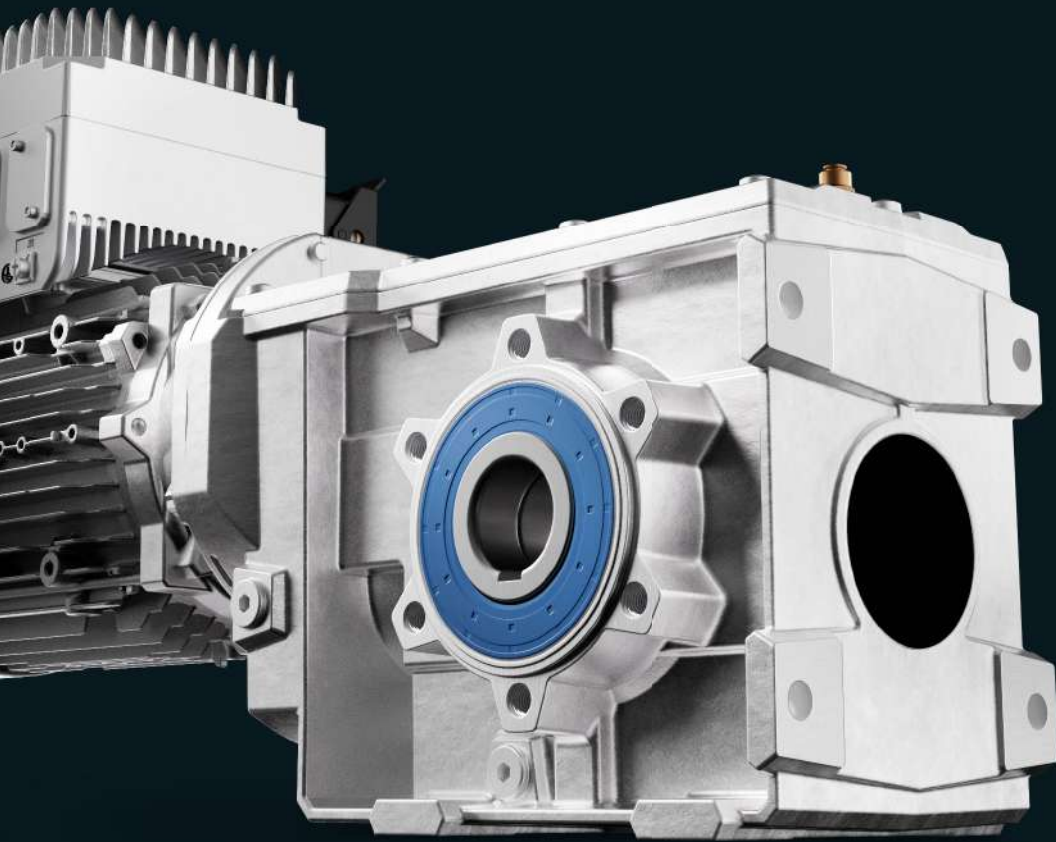


INNOMOTICS



Catalog D 50.15 | Edition 11/2024

Innomotics Moves!

SG G115D

Distributed drive system

innomotics.com/geared-motors

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Orders received as of **August 1, 2024**, will be confirmed exclusively with the product mark "**Innomotics**" regarding the concerned products and services.

Orders received by the Innomotics **SG Geared Motors** business unit from **June 1, 2024** onwards will be confirmed exclusively with the "**Innomotics**" product brand for the products and services involved.

Independent of the order date, all ordered products or services with **delivery** dates from **April 1, 2025**, will be delivered with the product mark "**Innomotics**".

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INNOMOTICS



Innomotics SG G115D

Distributed drive system

[Innomotics.com/geared-motors](https://www.innomotics.com/geared-motors)

Dear Customer,

We are happy to present the new Catalog D 50.15 Edition November 2024. The catalog provides a comprehensive overview of the 2KJ8 Innomotics SG G115D distributed drive system.

Innomotics offers a harmonized system combining gearbox, motor and G115D inverter. The drive system is integrated into the Siemens TIA portal. The assembled drive system consisting of geared motor and inverter comes from Innomotics, while SINAMICS G115D and the matching accessories are provided by Siemens.

Please contact your local Innomotics office if you want to obtain more information.

Current information about Innomotics SG Standard Geared Motors is available on the internet at www.innomotics.com/geared-motors

We hope that you will often use our Catalog D 50.15 · November 2024 as a selection and ordering reference document, and wish you every success with our products and solutions.

With kind regards,

Martin Prescher

Head of Product Portfolio Management

Innomotics GmbH, Geared Motors



Catalog D 50.15· November 2024

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For current updates of this catalog, refer to innomotics.com

Please contact your local Innomotics branch

Innomotics SG G115D

Distributed drive system

System overview

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Innomotics SG G115D distributed drive system

2

Innomotics SG geared motors for
Siemens Converter G115D

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Additional order options

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Dimensional drawings

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Innomotics Moves!

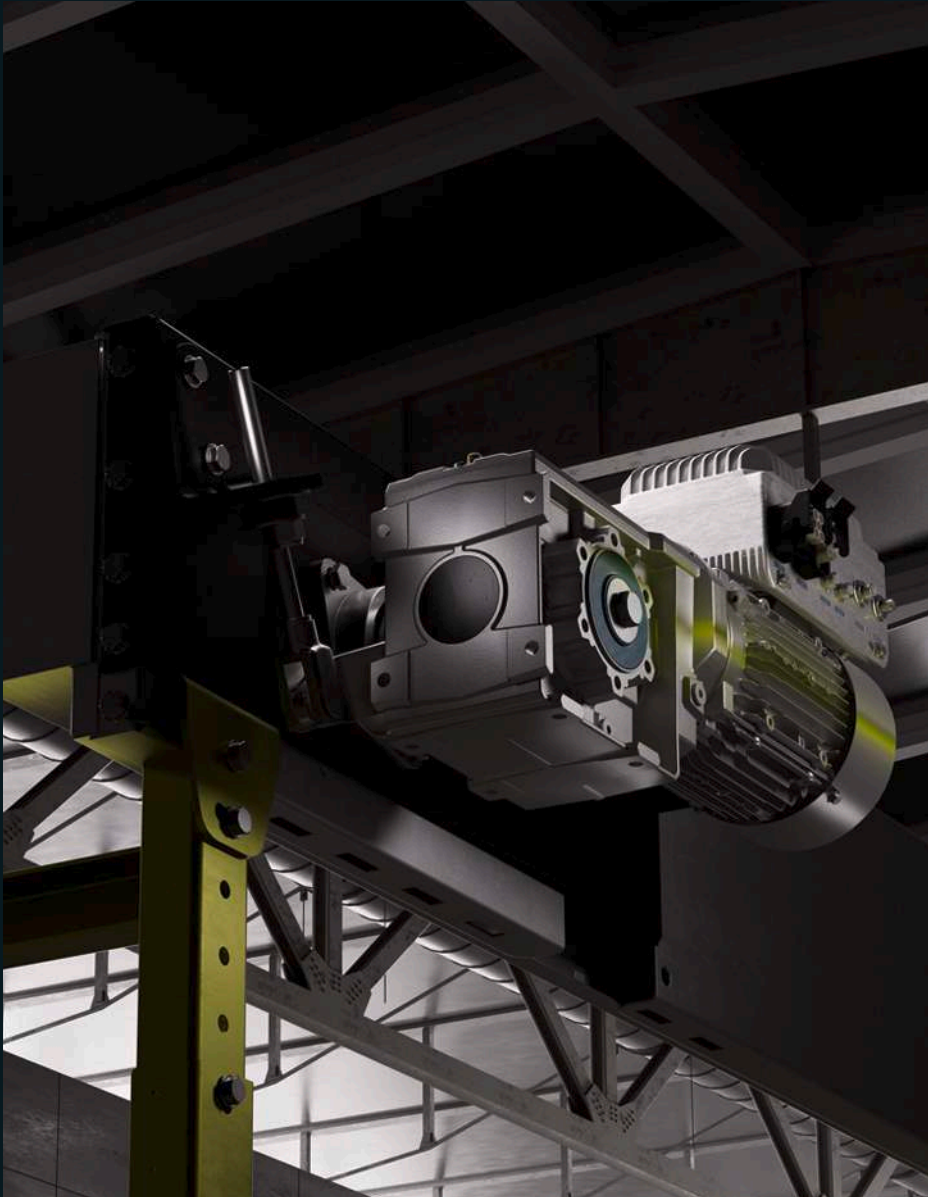
7

Appendix

8

System overview

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1 System overview

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- 1/20 Braking distance and positioning accuracy
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- 1/20 Rated torque and holding torque

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System overview

Distributed drive system

Overview

Innomatics offers a harmonized system combining gearbox, motor and G115D inverter. The drive system is integrated into the Siemens TIA portal. The assembled drive system consisting of geared motor and inverter comes from Innomatics, while SINAMICS G115D and the matching accessories are provided by Siemens.

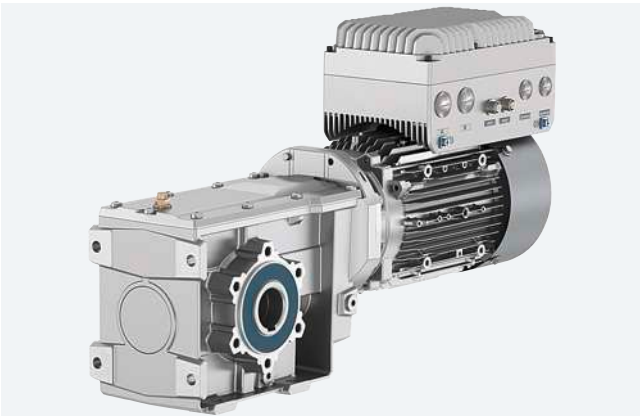
The Innomatics SG G115D distributed drive system provides fully preconfigured and ready-to-connect solutions in a modular concept that includes the converter, motor and gearbox. The converter supports Innomatics SG geared motors 2KJ8 with three-phase asynchronous motors with efficiency class IE3 or high-efficiency synchronous reluctance motors with efficiency class IE4.

It meets all requirements for horizontal conveyor system applications – from simple speed control to sophisticated encoderless vector control. Integrated functions such as fast/slow speed switchover, Quick Stop and limit position disconnecter make the Innomatics SG G115D particularly suitable for applications in conveyor systems.

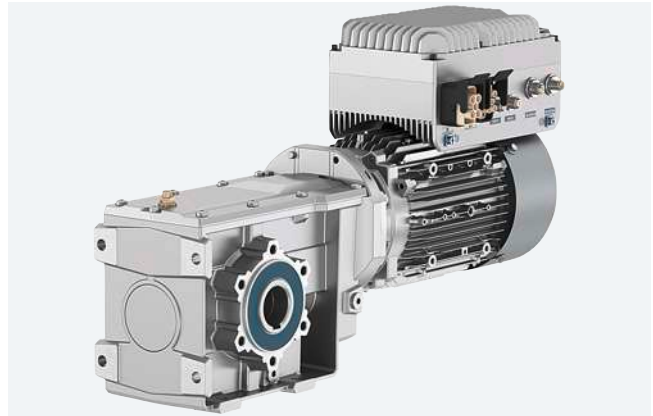
For applications that require safety technology, the Innomatics SG G115D offers the integrated STO (Safe Torque Off) function, which can be implemented without additional external components..

In addition, as of firmware V4.7 SP14 in conjunction with SINAMICS Startdrive from V18 SP1, the safety function SLS (Safely-Limited Speed) is available via Safety Extended license.

Innomatics SG G115D distributed drive system



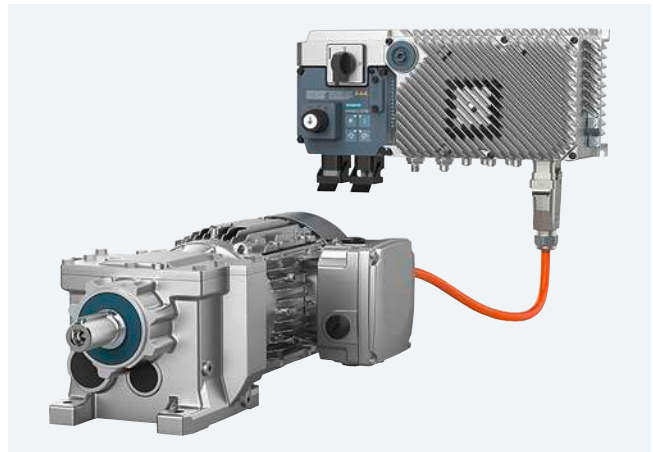
Example: Innomatics SG G115D distributed drive, PROFINET, version with cable gland, FSA, 1.5 kW, motor LE 90, gearbox B49, hollow shaft



Example: Innomatics SG G115D distributed drive, PROFINET, version with plug-in connection, FSA, 1.5 kW, motor LE 90, gearbox B49, hollow shaft

The Innomatics SG G115D with its different versions (frame sizes FSA to FSB) in a performance range from 0.37 kW to 4 kW is suitable for a large number of different applications. Thanks to the compact design with degree of protection IP65, it can be seamlessly integrated.

Innomatics SG distributed drive system Geared Motor with Siemens Converter SINAMICS G115D



Example: Distributed drive system, Innomatics SG geared motor, SINAMICS G115D, PROFINET, version with plug-in connection, FSA, 1.5 kW

The Siemens converter SINAMICS G115D with its different versions (frame sizes FSA to FSC) in a performance range from 0.37 kW to 7.5 kW is suitable for a large number of different applications. Thanks to the compact design with degree of protection IP65 (plug-in connection) or IP66 (cable gland), it can be seamlessly integrated.

Overview**Perfect combination with SIMATIC controllers and PROFINET**

Integration via PROFINET communication with PROFIsafe, AS-Interface, EtherNet/IP into a higher-level control system is very easy thanks to full TIA Portal integration, which provides a tool as well as an operating and data management concept. In addition, an optional web server module is available with the web server module SINAMICS G120 Smart Access (SAM) – a WLAN-based web server solution for simple and fast wireless setup with smartphone, tablet or laptop during commissioning and for diagnostics.

Reasons for using the Innomotics SG G115D distributed frequency converter

- _ User-friendly modular solution – pre-configured and ready for connection
- _ Versatile, robust and reliable system
- _ New design for quick and easy installation, cabling and commissioning
- _ The Innomotics SG G115D and the Siemens Converter G115D use the same platform
- _ No control cabinet required, thanks to the installation on the machine less space required and lower cooling requirements
- _ Long cables between the converters and the motors can be avoided (thus less power loss, reduced interference emissions, and lower costs for shielded cables and additional filters)
- _ Supports Innomotics SG geared motors with asynchronous motors and high-efficiency synchronous reluctance motors according to efficiency class IE4
- _ Worldwide use of the 2KJ8 geared motors independent of the line voltage
- _ Temperature range from -30 °C to 55 °C (suitable for installation in deep-freeze applications)
- _ Integrated safety, STO (Safe Torque Off) via fail-safe digital input F-DI or PROFIsafe and from firmware V4.7 SP14 in conjunction with SINAMICS Startdrive from V18 SP1, the function SLS (Safely-Limited Speed) via Safety Extended license
- _ Special properties for the intralogistics market (e.g. Safety Integrated, conveyor technology functions)

Hardware configuration

State-of-the-art IGBT technology with pulse width modulation (PWM) is used for extremely reliable and flexible motor operation. The closed-loop control electronics control and monitor the power electronics and the connected motor in several different control modes that can be selected.

The sensors of the conveyor element can be connected to the digital inputs of the converter.

These signals can be transmitted to the higher-level control for further processing via PROFINET, EtherNet/IP or AS-Interface.

Safety Integrated

The Innomotics SG G115D distributed drive system are already equipped with the Safety Integrated Function STO (Safe Torque Off), with certification according to IEC 61508 SIL 2 as well as ISO 13849-1 PL d and Category 3. This can be activated either via the PROFIsafe communication protocol or via the fail-safe digital input F-DI.

In addition, as of firmware V4.7 SP14 in conjunction with SINAMICS Startdrive from V18 SP1, the safety function SLS (Safely-Limited Speed) is available via Safety Extended license.

Siemens Product Configurator

The Siemens Product Configurator (SPC) helps you configure the optimum drive technology products for a number of applications – starting with geared motors, motors and converters as well as the associated options and components and ending with controllers, software licenses and connection systems.

The SPC can be used on the internet without requiring any installation. The SPC can be found at the following address: configurator.innomotics.com

SINAMICS Startdrive commissioning tool

SINAMICS Startdrive is a tool integrated into the TIA Portal for configuring, commissioning and diagnostics. The commissioning tool has been optimized in terms of simplicity, ease of use, and consistent use of the benefits of the TIA Portal to provide a uniform working environment for PLC, HMI and drives.

The SINAMICS Startdrive Basic commissioning tool is available for free on the internet at: www.siemens.com/startdrive

Drive dimensioning of the Innomotics SG G115D distributed frequency converters with the TIA Selection Tool

The Innomotics SG G115D distributed drive system are easily configured with the TIA Selection Tool under the Drive Dimensioning plug-in. It provides support when selecting the hardware and firmware components necessary to implement a drive task. The plug-in encompasses the configuration of the entire drive system and allows the handling of individual drives.

- _ Intuitive user interface, menu-based operation and help
- _ Configuration of the Innomotics SG G115D distributed drive system
- _ Adjustable load cycles and various mechanical systems integrated
- _ Interface to the TIA Portal and SiePortal

More information about the TIA Selection Tool is provided at www.siemens.com/tia-selection-tool

System overview

Structure of the Article No.

Overview

1

		Geared motors 2KJ8																			
		Position of the Article No.																			
		1	2	3	4	5	6	7	-	8	9	10	11	12	-	13	14	15	16	-	Z
		2	K	J	8																
Article No. supplements																					
Gearbox type, gearbox designation																					
Helical gearbox E, 1-stage					0																
Helical gearbox Z, 2-stage					1																
Helical gearbox D, 3-stage					2																
Parallel shaft gearbox FZ, 2-stage					3																
Parallel shaft gearbox FD, 3-stage					4																
Bevel gearbox B/K, 2-/3-stages					5																
Helical worm gearbox C, 2-stage					6																
Gearbox size																					
See Chapter 5 „Selection and ordering data“						0	0														
						1	...														
						4	8														
Motor type acc. to CE, UKCA, UL, KC, EAC ¹⁾																					
Asynchronous motor																				2	
Synchronous reluctance motor																				4	
Motor shaft height																					
Shaft height 71																					C
Shaft height 80																					E
Shaft height 90																					G
Shaft height 100																					J
Shaft height 112																					L
Shaft height 132																					N
Motor rated power																					
Rated power 1																					B
Rated power 2																					C
Rated power 3																					G
																					H
																					N
Motor temperature sensor																					
Without																					0
Pt1000																					1
Motor brake (brake voltage 180 V DC)																					
Without																					0
With standard torque (control range 1:5 and 1:8.7) / increased torque (control range 1:10)																					1
With reduced torque																					2
With increased torque (control range 1:5 and 1:8.7) / standard torque (control range 1:10)																					3
Converter / control range																					
Without / control range 1:5																					0
Without / control range 1:10																					1
Without / control range 1:8																					2
Mounted / control range 1:5																					3
Mounted / control range 1:10																					4
Mounted / control range 1:8																					5
Converter fieldbus communication																					
Geared motor for Siemens converter SINAMICS G115D																					A
Without fieldbus communication, cable gland																					B
Without fieldbus communication, plug-in connection																					C
AS-Interface, cable gland																					D
AS-Interface, plug-in connection																					E
PROFINET, EtherNet/IP, cable gland																					F
PROFINET, EtherNet/IP, plug-in connection																					G
Gearbox ratio																					
See Chapter 5 „Selection and ordering data“																					A
																					1
																					...
																					...
																					X
																					2

¹⁾ The Innomatics SG G115D drive system does not fall in the area of validity of the China Compulsory Certification (CCC). The 2KJ8 geared motors are designed exclusively for converter operation and the rated frequency of the asynchronous motors is not 50 Hz; therefore they do not fall in the area of validity of the China national standards GB 18613-2020 and CEL 007-2021 (China Energy Label).

Overview

		Geared motors 2KJ8																				
		Position of the Article No.																				
		1	2	3	4	5	6	7	-	8	9	10	11	12	-	13	14	15	16	-	Z	
		2	K	J	8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	Z	
Options with -Z and order code																						
Mounting position																						
<i>Standard</i>																						
M1																					D 0 1	
M2																						D 0 2
M3																						D 0 3
M4																						D 0 4
M5																						D 0 5
M6																						D 0 6
Permitted deviation from the mounting position																						
D 0 9																						
<i>Universal mounting position output side A (DE)</i>																						
M1-A																						D 1 1
M2-A																						D 1 2
M3-A																						D 1 3
M4-A																						D 1 4
M5-A																						D 1 5
M6-A																						D 1 6
<i>Universal mounting position output side B (NDE)</i>																						
M1-B																						D 2 1
M2-B																						D 2 2
M3-B																						D 2 3
M4-B																						D 2 4
M5-B																						D 2 5
M6-B																						D 2 6

1

Standard options for mandatory selection (e.g. the shaft designs) are displayed in the SPC.

For commissioning in the TIA Portal, the selection of the mounting position (e.g. order code **D01**) is important for the specification of the direction of rotation of the output shaft.

For more information and order see Chapter 4 „Additional Order options“.

System overview

Type designation

Overview

The Innomotics SG gearboxes are available as helical, parallel shaft, bevel, and helical worm geared motors.

Innomotics SG geared motors



Helical gearbox Z and D	Helical gearbox E	Parallel shaft gearbox FZ and FD	Bevel gearbox B	Bevel gearbox K	Helical worm gearbox C
Sizes					
Z19 ... Z 89 (2-stage) D19 ... D89 (3-stage)	E39 ... E89 (1-stage)	FZ29 ... FZ 89 (2-stage) FD29 ... FD89 (3-stage)	B19 ... B49 (2-stage)	K39 ... K109 (3-stage)	C29 ... C89 (2-stage)
Maximum input torque					
12 Nm ... 2110 Nm	9.8 Nm ... 245 Nm	25 Nm ... 2270 Nm	7.7 Nm ... 560 Nm	40 Nm ... 2900 Nm	14 Nm ... 1680 Nm
Gearbox ratio					
3.4 ... 60.97 (2-stage) 39.34 ... 330.23 (3-stage)	1.29 ... 9.7	3.57... 65.21 (2-stage) 46.36 ... 357 (3-stage)	3.47 ... 59.28	5.17 ... 244.25	6.2 ... 363
Maximum motor power for the Siemens Converter SINAMICS G115D					
7.5 kW	7.5 kW	7.5 kW	7.5 kW	7.5 kW	7.5 kW
Maximum motor power for the Innomotics SG G115D distributed drive system					
4 kW	4 kW	4 kW	4 kW	4 kW	4 kW

Type designation of the gearboxes

The type designation is a meaningful name for Innomotics SG geared motors. It provides information about the fundamental design of the geared motor and about its main technical features.

Example of gearbox type designation:		F	D	A	F	S	89
Gearbox type	Helical gearbox	-					
	Parallel shaft gearbox	F					
	Bevel gearbox 2-stage	B					
	Bevel gearbox 3-stage	K					
	Helical worm gearbox	C					
Stage	1-stage (for helical gearbox only)		E				
	2-stage		Z				
	3-stage		D				
Type							
Shaft	Solid shaft			-			
	Hollow shaft			A			
Mounting	Foot-mounted design				-		
	Foot/flange-mounted design				B		
	Flange-mounted design				F		
	Housing flange design				Z		
	Torque arm				D		
Connection	Feather key / without feather key					-	
	Shrink disk					S	
	Splined shaft					T	
Gearbox size	Helical gearbox 1-stage						39 ... 89
	Helical gearbox 2-/3-stage						19 ... 89
	Parallel shaft gearbox 2-/3-stage						29 ... 89
	Bevel gearbox 2-stage						19 ... 49
	Bevel gearbox 3-stage						39 ... 109
	Helical worm gearbox 2-stage						29 ... 89

Overview

Type designation of the motors for the Innomatics SG G115D distributed drive system

Example of motor type designation with the Innomatics SG G115D distributed drive system		LE	80	M	A	4	S	-	G	007	M	-	IO	-	HA
Motor															
Motor type	Three-phase motor	Aluminum housing	LE												
Motor frame size	Specified acc. to DIN EN 50347			71...132											
Overall length	Overall length specified acc. to DIN EN 50347				S, L, M										
	Packet length / power value					A, B, C									
Number of poles	4-pole						4								
Efficiency class	IE3 (Premium Efficiency)								P						
	IE4 (Super Premium Efficiency) synchronous reluctance motors								S						
Innomatics SG G115D															
Distributed converter										G					
Converter rated power	Without		not defined in motor type designation												
	Mounted		0.37 kW										003		
			0.55 kW										005		
			0.75 kW										007		
			1.1 kW										011		
			1.5 kW										015		
			2.2 kW										022		
			3 kW										030		
			4 kW										040		
			5.5 kW										055		
		7.5 kW										075			
Converter	Without												W		
	Mounted												M		
Fieldbus communication	Without fieldbus communication													IO	
	AS-Interface													ASi	
	PROFINET, EtherNet/IP													PN	
Options															
Motor brake	DC brake														L
	Enclosed brake														G
	Manual brake release														H
	Manual brake release with locking mechanism														HA
Canopy	With canopy														W

1

System overview

Determining the drive data

Overview

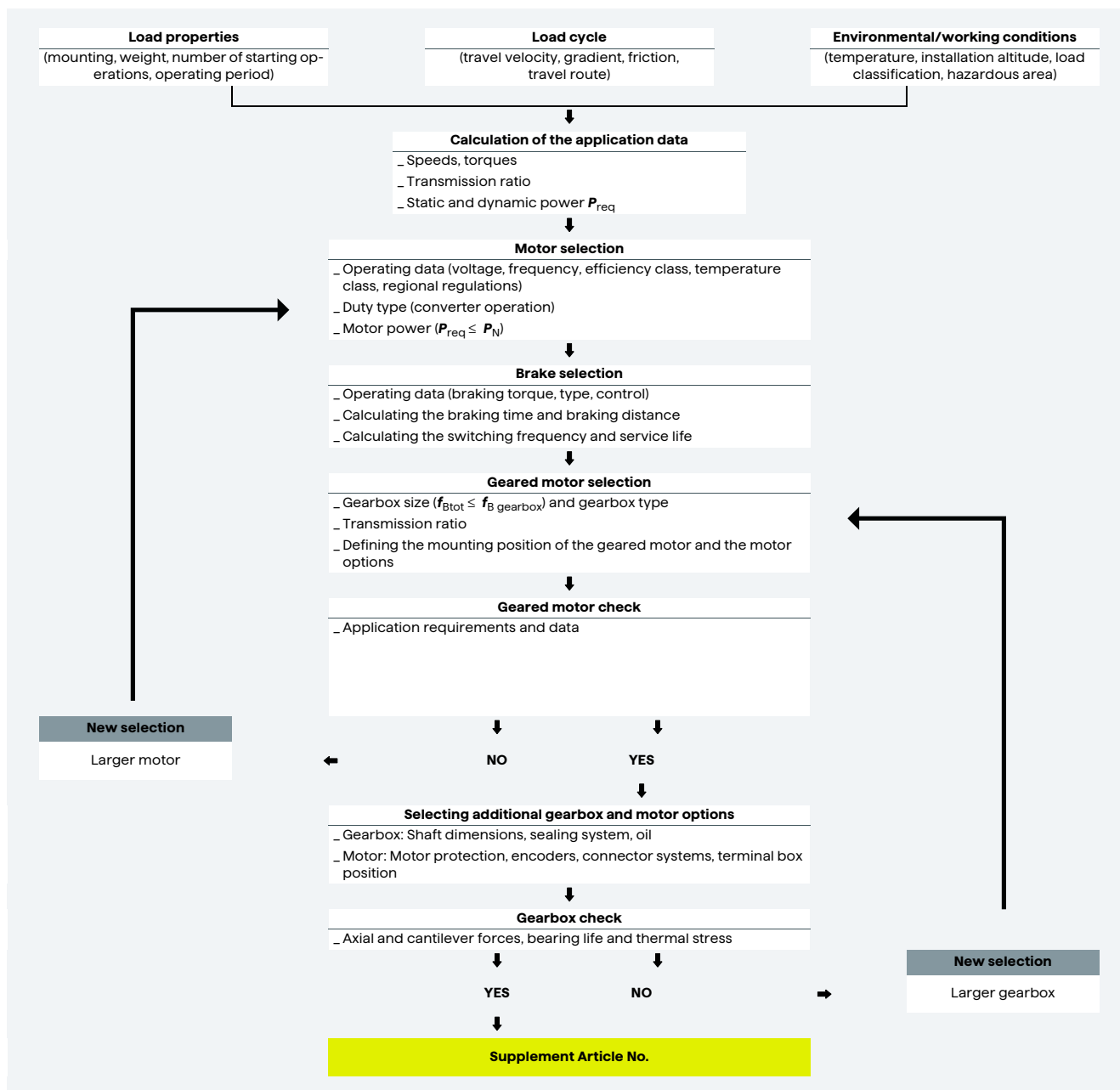
General configuring notes are provided for the standard versions in this catalog.

Innomotics SG geared motors permit individual solutions to be created for a wide range of drive applications. In order to select the correct drive, specific data for the application must initially be known or determined.

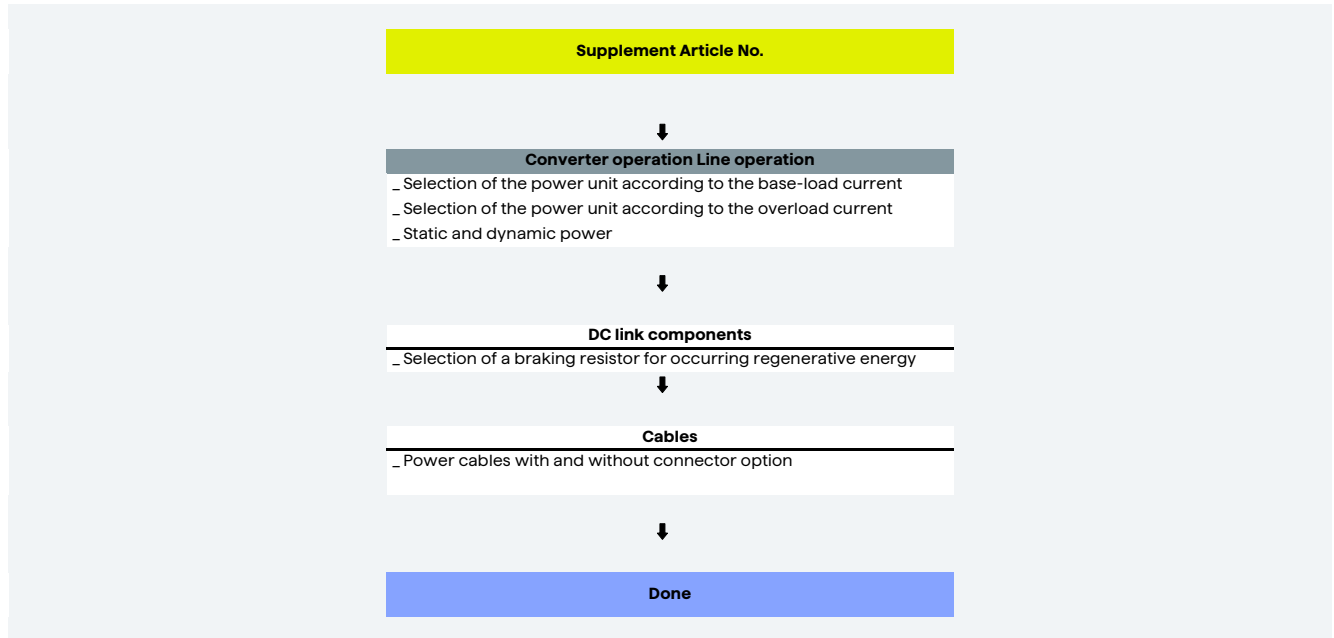
For drives operating under special conditions, e.g. frequent reversing, short-time or intermittent duty, abnormal temperatures, reversal braking, extreme cantilever forces at the gearbox output shaft, etc. please contact your Innomotics contact person with all of your technical questions.

More information is available on the internet at www.innomotics.com/geared-motors

The flow diagram illustrates the process for selecting and dimensioning a geared motor using a traction drive as an example. However, the specific requirements and constraints associated with the application in question must always be taken into account.



Overview



1

System overview

Configuring a gearbox

Standards

DIN/ISO	
DIN 743	Output shafts
ISO 281, ISO 76	Bearings
DIN 7190	Press-fit connection
DIN 6892	Parallel key connection
DIN 3990	Cylindrical gear toothing
DIN 3991	Bevel gear toothing
DIN 3996	Worm gear toothing

Calculation to AGMA available on request.

Gearbox efficiency

The efficiency of the gearbox is determined in part by the gear teeth, the rolling bearing friction, and the shaft seal friction.

Helical, parallel shaft and bevel gearboxes

Innomotics SG helical, parallel shaft, and bevel geared motors have a very high efficiency. Generally, efficiencies of 96 % (2-stage) and 94 % (3-stage) can be assumed. These gearbox types can be operated with energy-efficient motors to create an excellent solution.

Helical worm gearboxes

The first stage of the helical worm gearbox is designed as a helical stage. With the optimally tuned transmission ratios of the worm stage, the best possible overall efficiency is achieved, which is considerably higher than that of worm gearboxes alone.

Precise efficiency data can be found in the tables in chapter "Helical worm gearboxes".

Owing to the high degrees of efficiency, the Innomotics SG helical worm gearboxes are not self-locking.

Running-in period

The tooth flanks on new helical worm gearboxes will not yet be fully smoothed, meaning that the friction angle will be greater and efficiency lower during the running-in period. The higher the transmission ratio, the more pronounced the effect.

The running-in process should take approximately 24 hours of operation at full load. In most cases, the catalog values will then be reached.

Efficiency optimization

As a result of the large range of transmission ratios, in many cases, instead of a 3-stage gearbox, a 2-stage gearbox can be used.

This means that the efficiency is improved by approximately 2 % when compared to conventional drives.

Further, the efficiency can be improved by optimizing the mounting position and the input speed.

Splashing losses

For certain gearbox constructions, the first stage can be completely immersed in the gearbox oil. In the case of large gearboxes with a high input speed, particularly with vertical mounting positions, this may lead to increased splashing losses, which cannot be neglected.

If you wish to use gearboxes such as these, then please contact Innomotics. If at all possible, you should choose horizontal types of construction in order to keep splashing losses to a minimum.

Service factor

The service factor f_B is a safety factor for the gearboxes that takes the operating conditions of the drive into account.

The following applies to selecting a suitable drive:

$$f_B \geq f_{Breq}$$

The gearbox size or rated gearbox torque and the resulting service factor are not standardized and depend on the manufacturer.

Service factor (f_B)

The service factor is calculated from the drive data you selected and can be obtained from the SPC.

Determining the required service factor (f_{Breq})

In normal operation, i.e. with a uniform load provided by the driven machine, small masses to be accelerated, and a low number of switching operations, the service factor of $f_{Breq} = 1$ can be selected.

For operating conditions that deviate from this, the required service factor must be calculated using the following formulas.

For helical, parallel shaft and bevel gearboxes

$$f_{Breq} = f_{B1} \cdot f_{BT}$$

For helical worm and worm gearboxes

$$f_{Breq} = f_{B1} \cdot f_{B2} \cdot f_{BT}$$

Determining the service factor driven machine (f_{B1})

The service factor of the driven machine f_{B1} is determined from the load classification, switching frequency, and operating period per day.

Load groups of driven machines

Load classification	Mass acceleration factor (m_{AF})	Driven machine (examples)
I Almost shock-free	≤ 0.3	Electric generators, belt conveyors, apron conveyors, screw conveyors, lightweight elevators, electric hoists, machine tool feed drives, turbo blowers, centrifugal compressors, mixers and agitators when mixing materials with uniform density
II Moderate shock loads	≤ 3	Machine tool main drives, heavy elevators, slewing gear, cranes, shaft ventilators, mixers and agitators when mixing materials with non-uniform densities, reciprocating pumps with multiple cylinders, metering pumps
III Heavy shock loads	≤ 10	Punching presses, shears, rubber kneaders, machinery used in rolling mills and the iron and steel industry, mechanical shovels, heavy centrifuges, heavyweight metering pumps, rotary drilling rigs, briquetting presses, pug mills

Mass acceleration factor (m_{AF})

The mass acceleration factor m_{AF} is calculated as follows:

$$m_{AF} = \frac{J_x}{(J_{mot} + J_B + J_Z)}$$

All external moments of inertia are moments of inertia of the driven machine and the gearbox, which are to be reduced to the motor speed.

The conversion is made using the following formula:

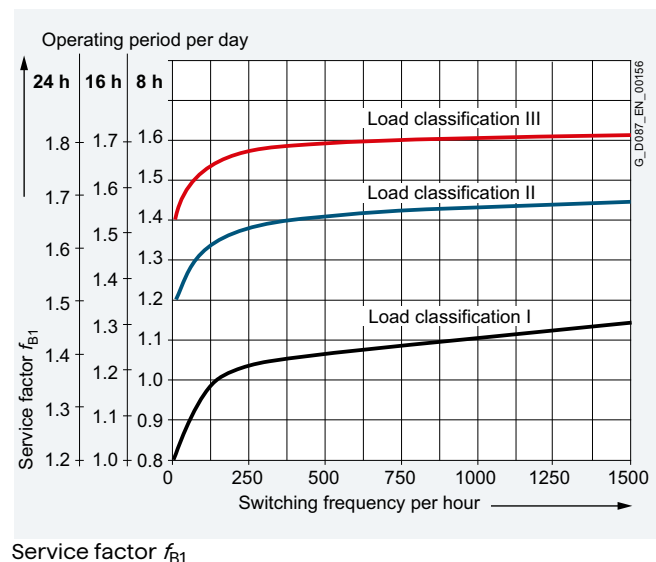
$$J_x = J_2 \left(\frac{n_2}{n_1} \right)^2 = \frac{J_2}{(i)^2}$$

In most cases the relatively insignificant moment of inertia of the gearbox can be ignored.

The mass acceleration factor m_{AF} is calculated as follows with reference to the gearbox and the adapter:

$$m_{AF} = \frac{J_x + J_G + J_{AD}}{(J_{mot} + J_B + J_Z)}$$

Code	Description	Unit
f_B	Service factor	-
f_{B1}	Service factor driven machine	-
f_{B2}	Service factor short-time duty	-
f_{Berf}	Required service factor	-
f_{BT}	Service factor ambient temperature	-
i	Transmission ratio	-
J_2	Moment of inertia of the load referred to the output speed of the gearbox	kgm ²
J_{AD}	Moment of inertia of the adapter referred to the input speed	kgm ²
J_B	Moment of inertia of the brake	kgm ²
J_G	Moment of inertia of the gearbox referred to the input speed	kgm ²
J_{mot}	Moment of inertia of the motor	kgm ²
J_x	Moment of inertia of the load referred to the input speed	kgm ²
m_{AF}	Mass acceleration factor	-
n_1	Input speed of the gearbox	rpm
n_2	Output speed of the gearbox	rpm



Service factor f_{B1}

System overview

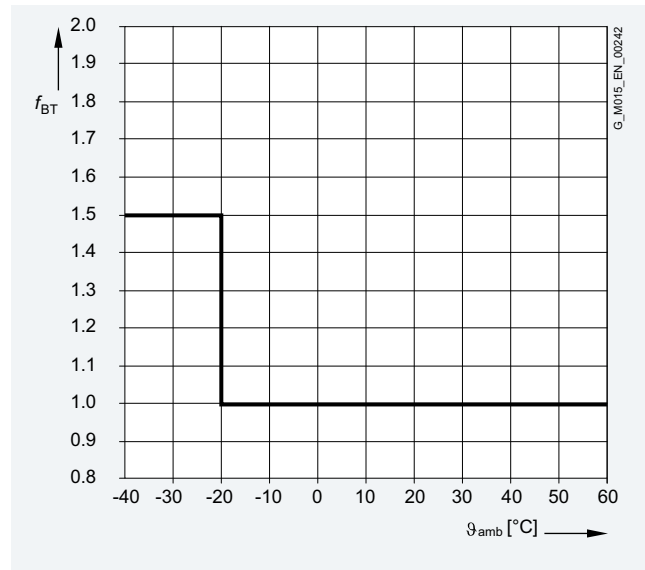
Configuring a gearbox

Service factor

Determining the service factor ambient temperature (f_{BT})

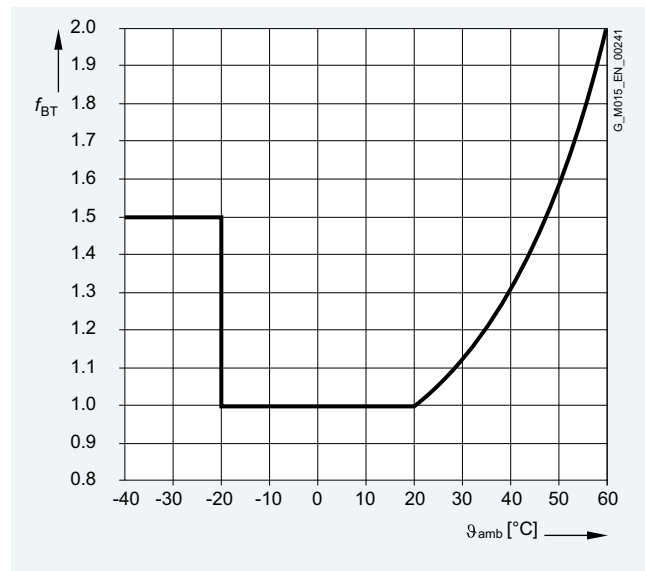
If the drive warms up to an operating temperature above -20 °C at max. 70 % load, $f_{BT} = 1$ can be set.

For helical, parallel shaft and bevel gearboxes



Service factor ambient temperature

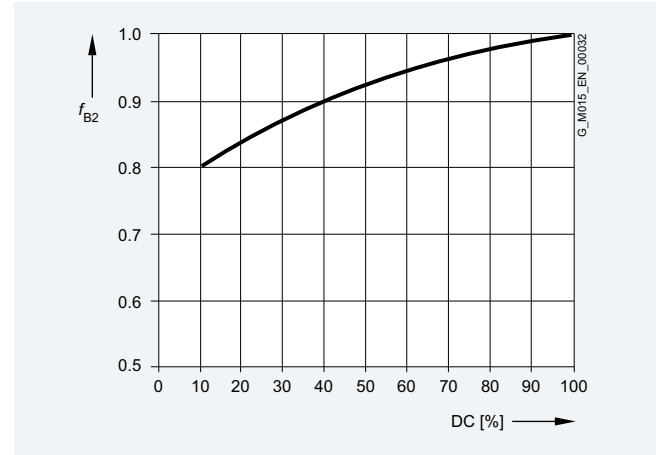
For helical worm and worm gearboxes



Service factor ambient temperature for worm gearboxes

Determining the service factor short-time duty (f_{B2})

For helical worm and worm gearboxes



Service factor short-time duty

Note:

When selecting and dimensioning drives with the following special application conditions, please contact Innomatics:

- _ Frequent reversing
- _ Short-time and intermittent operation
- _ Abnormal temperatures
- _ Reversal braking
- _ Extreme and/or circulating radial forces at the gearbox output shaft
- _ Fluctuating loads

Required torque

Once the load situation (drive data) and the service factor have been clarified, then the required output torque can be determined.

$$T_2 = \frac{P_{\text{mot}} \cdot 9550}{n_1 / (i \cdot \eta)} = \frac{P_{\text{mot}} \cdot 9550}{n_2} \cdot \eta$$

Maximum motor torque

The maximum output torque T_{2N} of the gearbox must not be exceeded. For this purpose, it must be checked that the maximum motor torque $T_{1\text{max}}$ is below the resulting output torque of the gearbox:

$$T_{1\text{max}} \leq \frac{T_{2N}}{i \cdot \eta}$$

This test is particularly important for small service factors $f_B < 1$, gearboxes with high transmission ratios and tandem gearboxes.

Code	Description	Unit
η	Gearbox efficiency	%
i	Transmission ratio	-
n_1	Input speed of the gearbox	rpm
n_2	Output speed of the gearbox	rpm
P_{mot}	Motor power	kW
$T_{1\text{max}}$	Maximum permissible motor torque	Nm
T_2	Required output torque of the driven machine	Nm
T_{2N}	Maximum output torque of the gearbox	Nm

Input Speed

For converter operation, the gearboxes are driven at variable speeds. When configuring the system, we recommend that the maximum input speed in continuous operation is maintained, wherever possible, at 1500 rpm.

At higher motor speeds above 1500 rpm you will generally experience higher noise levels and a lower bearing service life. This depends to a large extent on the transmission ratio and gearbox size in question. Furthermore, higher speeds additionally influence the thermal properties, the service life of the shaft sealing rings and the service intervals of the gearbox..

System overview

Configuring a gearbox

Gearbox fastening

Gearboxes and geared motors are normally secured by bolts of grade 8.8.

1

When the largest possible motor size is attached to the gearbox and with a higher load classification, elevated levels of vibration and/or smaller service factors, further measures need to be taken for flange-mounted designs of gearboxes and geared motors.

We recommend that you consider the following possibilities:

- _ Selection of a larger output flange
- _ Use of bolts of grade 10.9 with washer
- _ Use of an anaerobic adhesive to improve the friction lock between the gearbox and the mounting surface

Recommended bolt quality for DZ/ZZ and DF/ZF:

Helical gearboxes DZ/ZZ and DF/ZF with the smallest available output flanges must be bolted to the mounting surface with bolts of grade 10.9 (see table).

Gearbox type		Flange	Flange Strength class of bolt/nut
Helical gearbox			
DZ/ZZ29	DF/ZF29	A120	10.9 ¹⁾
DZ/ZZ39	DF/ZF39	A120	10.9 ¹⁾
DZ/ZZ49	DF/ZF49	A140	10.9
DZ/ZZ59	DF/ZF59	A160	10.9
DZ/ZZ69	DF/ZF69	A200	10.9
DZ/ZZ79	DF/ZF79	A250	10.9
DZ/ZZ89	DF/ZF89	A300	10.9

¹⁾ Use suitable washers underneath the bolt head.

Recommended bolt quality for FF/FAF, BF/BAF, KF/KAF and CF/CAF:

Parallel shaft gearboxes FF/FAF, bevel gearboxes BF/BAF and KF/KAF and helical worm gearboxes CF/CAF in combination with larger motors must be bolted to the mounting surface with bolts of grade 10.9 (see table).

Gearbox type		Flange	Motor size							
Parallel shaft gearbox	Bevel gearbox		Helical worm gearbox	63	71	80	90	100	112	132
FF/FAF39	BF/BAF39, KF/KAF39	CF/CAF39A	A160	8.8	10.9	10.9	10.9	10.9		
FF/FAF49	BF/BAF49, KF/KAF49	CF/CAF49, CF/CAF69	A200	8.8	8.8	8.8	8.8	10.9	10.9	
FF/FAF69	KF/KAF69	CF/CAF89	A250	8.8	8.8	8.8	8.8	8.8	8.8	10.9
FF/FAF79	KF/KAF79		A250	8.8	8.8	8.8	8.8	8.8	8.8	10.9
FF/FAF89	KF/KAF89		A300		8.8	8.8	8.8	10.9	10.9	10.9
	KF/KAF109		A350			8.8	8.8	8.8	8.8	10.9

Shaft load and bearing service life

Available radial force

The radial forces either come from the driven machine (mixer, hoisting gear) or they are caused by the transmission elements.

The available radial force F_{Ravail} at the output shaft is obtained as follows:

- The required geared motor output torque T_2
- Average diameter of the mounted transmission element d_0
- Transmission element type, e.g. chain wheel
- Ambient temperature

The transmission element type determines the additional factor C (see table).

The ambient temperature determines the additional factor T .

$$F_{Ravail} = 2000 \cdot \frac{T_2}{d_0} \cdot C \cdot T$$

Additional factor C for the transmission element type

Transmission element	Explanation	Additional factor C
Gear wheel	> 17 teeth	1.00
	≤ 17 teeth	1.15
Chain wheel	≥ 20 teeth	1.00
	14 ... 19 teeth	1.25
	≤ 13 teeth	1.40
Toothed belts	Preloading force	1.50
V-belts	Preloading force	2.00
Flat belts	Preloading force	2.50
Agitator/mixer	Rotating radial force	2.50

Additional factor T for ambient temperature

Temperature range	Low-temperature factor T
-20 °C ... +60 °C	1.0
-21 °C ... -40 °C	1.5

Zulässige Radialkraft

The permissible radial force F_{R2} is determined by the required bearing service life, among other things. The nominal service life L_{h10} is determined in accordance with ISO 281. Normally, calculating the nominal bearing service life is completely adequate.

The bearing service life can be calculated for special operating conditions and in special cases on request, based on the modified service life L_{na} .

The selection tables specify the permissible radial force F_{R2} for the output shafts of the foot-mounted design with solid shaft „1“ (see shaft designs from page 4/21). These table values refer to the force application point at the center of the shaft extension and are minimum values, which apply under the most unfavorable conditions (force application angle, mounting position, direction of rotation).

If the values in the table are not sufficient, or if other gearbox designs are being used, then please contact Innomotics.

Permissible axial force

If no radial force is present, then max. 50 % of the permissible radial force can be applied as a permissible axial force F_{ax} (tension or compression).

Higher permissible radial and axial forces

The permissible radial force load can be increased, taking the force application angle α and the direction of rotation into account. Installing reinforced bearings also means that higher loads are permitted on the output shaft.

If higher radial or axial forces or combined loads comprising radial and axial forces occur, then please contact Innomotics..

Note:

Bevel gearboxes B and K and helical worm gearboxes C in type of construction M1 with foot mounting on the face side: A maximum of 50 % of the radial force F_{R2} specified in the tables is permissible.

Note:

Helical geared motors ZB and DB in foot/flange-mounted designs:

When transmitting torque through the flange surface, a maximum of 50 % of the radial force F_{R2} specified in the tables is permissible.

Variables for defining shaft load and bearing service life

Code	Description	Unit
α	Force application angle	°
a	Gearbox constant	kNmm
b, d, l, y, z	Gearbox constants	mm
C	Additional factor to calculate the radial force	–
d_0	Average diameter of the mounted transmission element	mm
F_{ax}	Permissible axial force	N
F_x	Permissible radial force from out of center force application point	N
F_{xzul1}	Permissible radial force, limited by the bearing service life, at a distance of x from the shaft shoulder	N
F_{xzul2}	Permissible radial force, limited by the shaft strength, at a distance of x from the shaft shoulder	N
F_{Ravail}	Available radial force from the mounted transmission element	N
F_{R2}	Permissible radial force at the center of shaft extension (l/2)	N
L_{h10}	Nominal bearing service	h
L_{na}	Modified bearing service	h
T	Additional factor for ambient temperature	–
T_2	Geared motor output torque	Nm
x	Distance from the shaft shoulder up to the point where force is applied	mm

System overview

Configuring a gearbox

Shaft load and bearing service life

Definition of the point of application of radial and axial forces

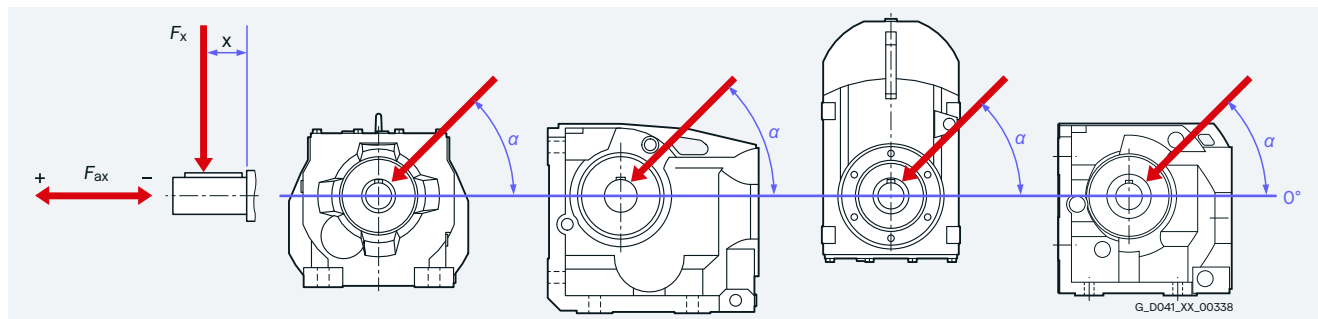


Diagram showing force application point

Radial force conversion for out-of-center force application point

If the force is not applied at the center of the shaft extension, the permissible radial force must be calculated using the following formula.

The lower value of F_{xperm1} (bearing service life) and F_{xperm2} (strength) is the permissible radial force. The calculation is applicable without axial force.

Permissible radial force according to the bearing service life

$$F_{xperm1} = F_{R2} \cdot \frac{y}{(z+x)}$$

Permissible radial force according to the shaft strength

$$F_{xperm2} = \frac{a}{(b+x)}$$

Gearbox constants for calculating the radial force

Gearbox size	Constants					
	y mm	z mm	a kNmm	b mm	d mm	l mm
Helical gearboxes Z and D						
19	91	71	52.8	12	20	40
29	104	79	137	12	25	50
39	116	91	109	0	25	50
49	138	108	260	15	30	60
59	143.5	108.5	414	19	35	70
69	169	134	385	0	35	70
79	172.5	132.5	536	0	40	80
89	212.5	162.5	929	0	50	100
Helical gearboxes E						
39	99.5	79.5	60	0	20	40
49	119.0	94.0	100	0	25	50
69	139.6	109.6	183	0	30	60
89	154.4	114.4	320	0	40	80
Parallel shaft gearboxes F						
29	108.5	83.5	159	0	25	50
39	123.5	98.5	146	0	25	50
49	154.5	124.5	239	0	30	60
69	175	140	378	0	35	70
79	191	151	544	0	40	80
89	226	176	884	0	50	100
Bevel gearboxes B						
19	97.5	77.5	38	0	20	40
29	117	97	83	0	20	40
39	143.5	113.5	209	0	30	60
49	175	140	392	0	35	70
Bevel gearboxes K						
39	123.5	98.5	152	0	25	50
49	154.5	124.5	235	0	30	60
69	175	140	378	0	35	70
79	191	151	556	0	40	80
89	226	176	916	0	50	100
109	256	196	1470	0	60	120
Helical worm gearboxes C						
29	117.5	97.5	84	0	20	40
39	123.5	98.5	157	0	25	50
49	154.5	124.5	236	0	30	60
69	171.5	136.5	410	0	35	70
89	220.0	175.0	736	0	45	90

Permissible torque for the ShaftMount assembly system

It is important to note that the maximum permissible torque is dependent on the selected machine shaft diameter.

Diameter of customer's shaft	Max. permissible torque T2					
	Nm					
	29	39	49	69	79	89
Metric shafts						
20	115					
25	150	205				
30		290	375			
35			480	460	840	
40				600	1000	1110
50						1750
Imperial shafts						
0.75"	100					
1"	150	205				
1.1875"		290	375			
1.25"		290	415			
1.375"			480	460	840	
1.4375"			480	500	915	
1.5"				545	1000	
1.625"				600	1000	1180
1.75"						1375
1.9375"						1680
2"						1750

Direction of rotation

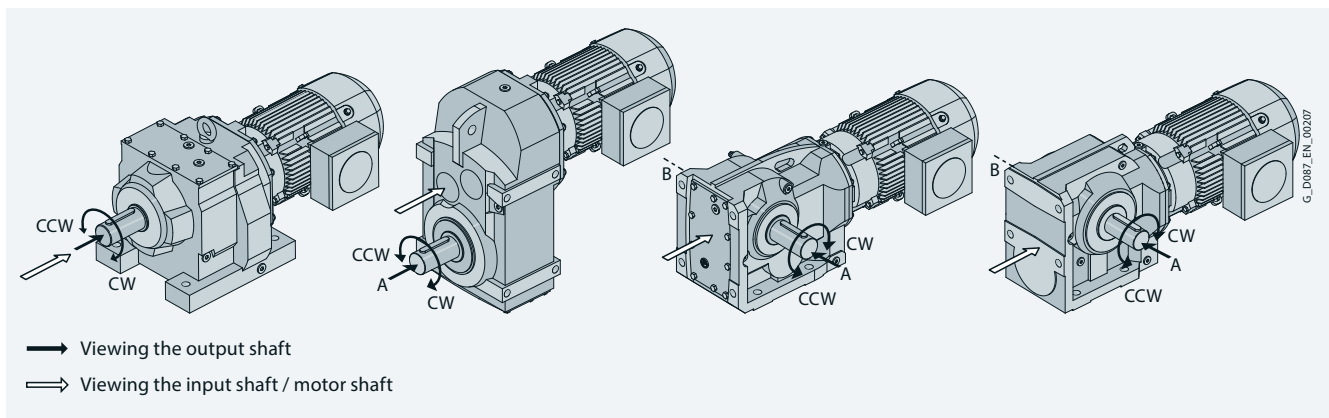
When the geared motors are commissioned in the TIA Portal with SINAMICS Startdrive, clockwise direction of rotation of the gearbox output shaft is set as standard. Counter Clock Wise rotation can be changed via the SINAMICS Startdrive.

Note:

For bevel gearboxes B and K and helical worm gearboxes C, the direction of rotation must be specified when viewing the DE (A) or NDE (B).

Direction of rotation, input to output

Gearbox type	Size	Gearbox stages	Output side	Direction of rotation Input shaft	Output shaft
Z	19 ... 89	2	-	CW	CW
D	19 ... 89	3	-	CCW	CW
FZ	29 ... 89	2	-	CW	CW
FD	29 ... 89	3	-	CCW	CW
B	19 ... 49	2	A	CW	CW
			B	CCW	CW
K	39 ... 109	3	A	CCW	CW
			B	CCW	CW
C	29 ... 89	2	A	CW	CW
			B	CCW	CW



Definition of the direction of rotation

System overview

Configuring a three-phase motor

Additional moments of inertia

The motor moment of inertia with standard fan is specified in the motor selection lists.

Motor protection

Temperature-dependent protective devices are integrated in the motor winding and can be implemented as temperature sensors (Pt1000).

The rated response temperatures of the protective devices depend on the thermal class of the motors.

Degrees of protection

The motors are supplied in IP55 to standard IEC 60034-5. They can be installed in dusty or humid environments. The motors are suitable for operation in tropical climates. Guide value below 60 % relative air humidity for a coolant temperature of +40 °C.

Other requirements on request.

First digit	Brief description	Second digit	Brief description
4	The motor is protected against solid objects larger than 1 mm.	4	The motor is protected against water splashed from all sides
5	The motor is protected against dust	5	The motor is protected against strong jets of water
6	The machine is dust-tight	6	The motor is protected against "heavy seas" or powerful jets of water.
		7	The motor is protected against immersion.
		8	The motor is protected against long periods of immersion under pressure.

The first digit of the degree of protection indicates the degree to which an enclosure provides protection against contact and the ingress of foreign bodies.

The second digit indicates the protection that an enclosure offers regarding the ingress of water.

Increased corrosion protection as well as additional protective measures for the winding (protection against moisture and acid, corrosion protection in the motor) can support the selected degree of protection.

The degree of protection only refers to the motor. When selecting higher degrees of protection, the equipment on the gearbox side should be taken into account (seals, vents).

Cooling and ventilation

When the geared motor is mounted and the air intake is restricted, you must ensure that a minimum clearance is maintained between the fan cover and the wall and that the cooling air is not immediately drawn in again.

Further, it must be guaranteed that the cooling air flow to the gearbox is not obstructed. As a consequence, the gearbox operating temperature can be further reduced.

Bearing system

The bearing service life of motors with horizontal mounting is 40000 hours if there is no additional axial loading at the coupling output and 20000 hours when utilized according to the maximum admissible load. This assumes that the motor is operated at 50 Hz. The nominal bearing service life is reduced for converter operation at higher frequencies.

In order to achieve the calculated lifetime in continuous operation, the admissible vibration values (measured at end shield) must be determined according to evaluation zones A and B stipulated in ISO 10816. If higher vibration velocities occur in operation, special measures must be taken.

Please contact Innomotics in this regard.

Overview

The brakes can be used as holding brakes. A holding brake is suitable for holding masses and loads at a fixed position.

The brakes are designed as spring-loaded brakes. When the brake is mounted, it increases the length of the motor. The dimensions are shown in the dimensional drawings.

The spring-loaded brakes are suitable for a standard ambient temperature range of -20 to $+45$ °C.

Optionally also possible for -20 to $+55$ °C with order code **K94** or for -30 to $+40$ °C with order code **K97**.

Variables

Code	Description	Unit
f_{br}	Braking torque correction factor	-
J_{AD}	Moment of inertia of the adapter	kgm ²
J_B	Moment of inertia of the brake	kgm ²
J_G	Moment of inertia of the gearbox	kgm ²
J_{mot}	Moment of inertia of the motor	kgm ²
J_x	Moment of inertia of the load referred to the motor shaft	kgm ²
k	Factor for taking into account operating conditions	-
L_N	Service life of the brake lining until readjustment	h
L_{nmax}	Service life of the brake lining until replacement	h
M_2	Rated braking torque of the brake, characteristic value at a relative speed of 100 rpm	Nm
M_4	Minimum holding torque of the brake without slippage (DIN VDE 0580)	Nm
n_{br}	Braking speed	rpm
η	Efficiency (drive)	%
Q_{perm}	Maximum permissible friction energy during cyclic switching, as a function of the switching frequency	J
s_{br}	Braking distance	m
t_1	Application time of the brake	ms
t_{br}	Braking time	s
T_{br}	Rated braking torque (rated torque M_2)	Nm
T_x	Reduced load torque on the motor shaft	Nm
v	Travel velocity	m/s
W_1	Friction energy per braking operation	J
W_{1max}	Maximum permissible friction energy with a single switching, thermal characteristic value of the brake	J
W_{ges}	Friction energy until the brake lining is replaced	MJ
W_V	Friction energy until the brake is readjusted	MJ
Z	Switching frequency	1/h

Determining the braking torque

The braking torque must be selected in accordance with the particular drive application. The following criteria are decisive when it comes to making the selection:

- _ Static safety
- _ Required braking time
- _ Permissible brake delay
- _ Possible braking distance
- _ Brake wear

The braking torque is determined using the safety factor k , which can be selected in the range from 1.0 to 2.5. As a general rule of thumb, the factor for horizontal motion is approx. 1.0 to 1.5 and for vertical motion approx. 2.0 to 2.5. However, the precise braking torque depends to a large extent on the particular operating conditions.

The rated braking torque M_2 is based on a speed of $n=100$ rpm and decreases with increasing motor speed. When calculating the braking torque, this is taken into account using the correction factor f_{br} . This means that the rated braking torque is applicable for most braking operations for converter operation.

For line operation, braking is directly from the motor speed. In addition, for vertical conveyors, the increased speed when moving downwards must be taken into account.

$$T_{br} > T_x \cdot k \cdot f_{br}$$

Braking torques as a function of the speed and permissible speed limits

The braking torque available decreases with increasing motor speed.

The maximum permissible speeds, which the emergency stops can be executed from, should be considered as guide values and must be checked for the specific operating conditions.

The maximum permissible friction energy depends on the switching frequency. Increased wear can be expected when the brakes are used for emergency stops.

Braking energy per braking operation

The braking energy W per braking operation comprises the energy of the moments of inertia to be braked and the energy which must be applied in order to brake against a load torque.

T_x is positive if the load torque is directed against the direction of motion, and thus has a decelerating effect (horizontal motion, upward vertical motion).

T_x is negative if the load torque is directed in the same direction as the motion, and thus has an accelerating effect (downward vertical motion).

The permissible operating energy Q_{perm} must be checked against the relevant switching frequency. This is of particular importance for emergency stop circuits.

$$W_1 = \frac{T_{br}}{T_{br} \pm T_x \cdot \eta} \cdot \frac{(J_G + J_{AD} + J_{mot} + J_Z + J_B + J_x \cdot \eta) \cdot n_{br}^2}{182.5}$$

$$W_1 < Q_{perm}$$

System overview

Configuring a brake

Service life of the brake lining

The service life of the brake lining L_N until the air gap has to be readjusted depends on various factors. The main influencing factors include the masses to be braked, the motor speed, the switching frequency, and, therefore, the temperature at the friction surfaces.

This means it is not possible to specify a value for the friction energy until readjustment that is valid for all operating conditions.

However, a wear calculation can be made according to the friction energy, so that the service life can be defined in normal operation.

Brake service life

The brake lining is subject to wear as a result of friction. As a consequence, the air gap increases and the brake application time lengthens. The air gap can be readjusted. The friction lining should be replaced after a certain number of readjustments.

Service life of the brake lining until readjustment

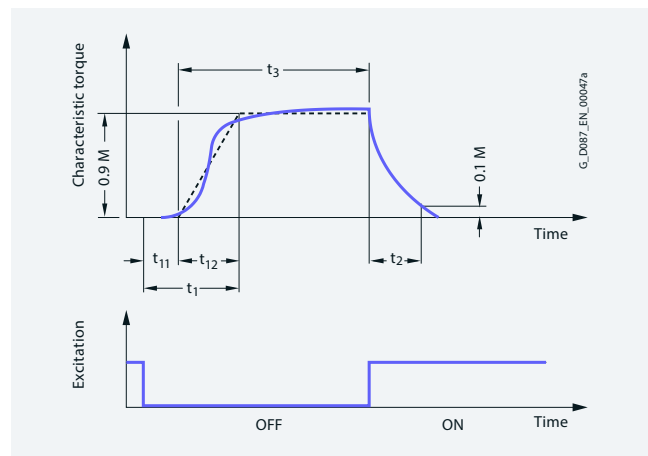
$$L_N = \frac{W_V}{W_1 \cdot Z}$$

Service life of the brake lining until replacement

$$L_{Nmax} = \frac{W_{ges}}{W_1 \cdot Z}$$

Brake control

Definition of switching times (VDI 2241)



Brake switching times

Switching times:

- t_1 Application time of the brake
- t_2 Disconnection time
- t_3 Slipping time
- t_{11} Response time
- t_{12} Rise time

Brake switching time

The total time it takes the motor to come to a standstill comprises the following times:

- _ Brake application time t_1
- _ Braking time t_{br}

The first is the time it takes the brake to reach 90 % of its braking torque. This time may be circuit- and control dependent.

The braking time is determined as follows:

$$T_{br} = \frac{(J_G + J_{AD} + J_{mot} + J_b + J_z + J_x \cdot \eta) \cdot n_{br}}{9.55 \cdot (T_{br} \pm T_x \cdot \eta)}$$

If T_x supports the braking operation, T_x is positive; otherwise it is negative.

Braking distance and positioning accuracy

Braking distance s_{br} is the distance traveled by the driven machine during braking time t_{br} and application time t_1 .

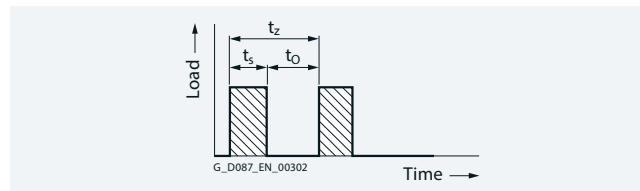
The formula below applies to horizontal motion and upward vertical motion.

$$s_{br} = v \cdot \left(\frac{t_1}{1000} + 0,5 \cdot t_{br} \right)$$

Cyclic duration factor

The cyclic duration factor DC is the ratio between the load duration and the cyclic duration. The cyclic duration is the sum of the ON times (operational periods) and the no-voltage periods.

$$DC = \frac{t_s}{t_s + t_o} \cdot 100$$



Cyclic duration factor

Code	Description	Unit
DC	Cyclic duration factor	%
t_s	Close time (on-load factor)	s
t_o	Open time (off-load factor)	s
t_z	Cycle time (duty cycle time)	s

Rated torque and holding torque

Rated torque

The rated torque M_2 is the switching torque assigned by the manufacturer of the brake for identification. This is indicated on the rating plate when selecting a working brake.

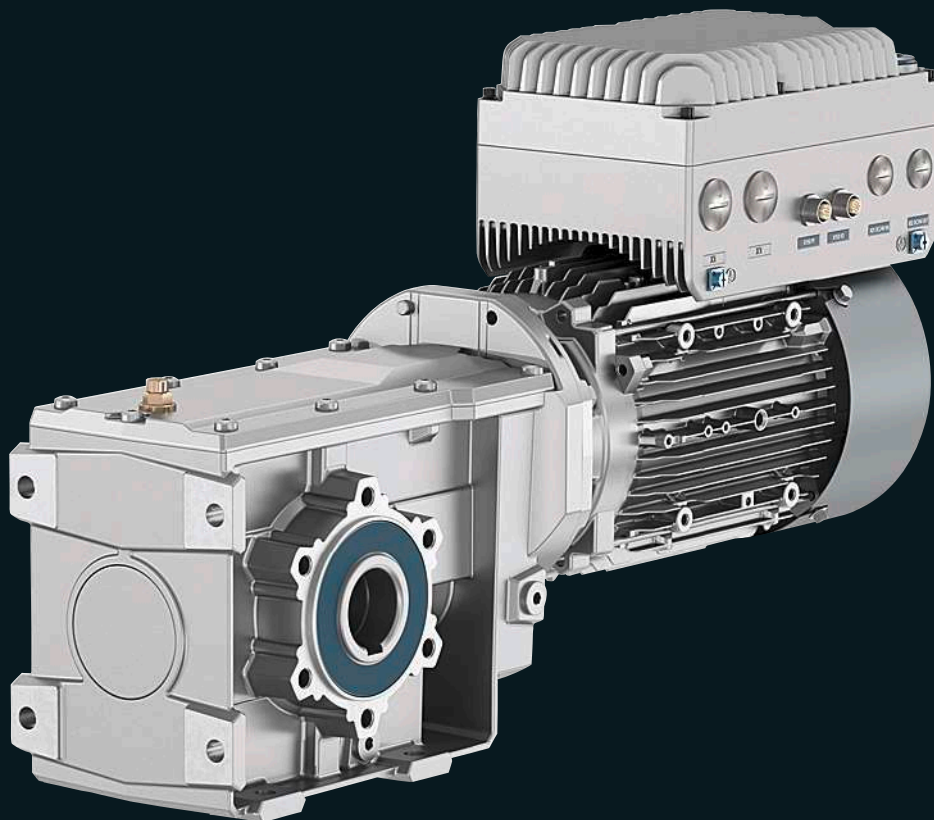
Holding torque

The holding torque M_4 is the highest torque with which the closed brake can be loaded without causing a slip. With the functionally safe holding brake, the holding torque M_4 is indicated on the rating plate.

In the case of functionally safe attachments (Functionally Safe Brake and Functionally Safe Rotary Encoder), the M_4 torque is specified on the rating plate, as the brake may only be used as a holding brake with an Emergency Stop function.

Distributed drive system

2



2

Innomotics SG G115D distributed drive system

0.37 kW to 4 kW

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0.37 kW to 4 kW

Innomotics SG G115D distributed drive system

Overview

The Innometrics SG G115D distributed drive system provides fully preconfigured and ready-to-connect solutions in a modular concept that includes the converter, motor and gearbox. It is available with the two efficiency classes IE3 and IE4.

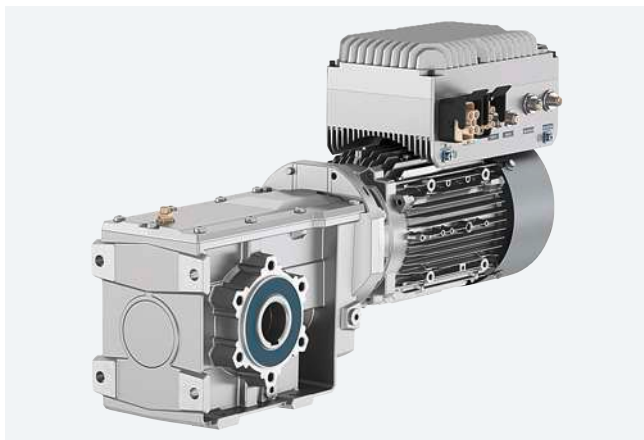
The converter frame sizes FSA and FSB in a performance range from 0.37 kW to 4 kW is suitable for a large number of different applications.

2

The integrated conveyor technology functions make the Innometrics SG G115D particularly suitable for applications in conveyor systems.



Example: Innometrics SG G115D distributed drive, PROFINET, version with cable gland, FSA, 1.5 kW, motor LE 90, gearbox B49, hollow shaft



Example: Innometrics SG G115D distributed drive, PROFINET, version with plug-in connection, FSA, 1.5 kW, motor LE 90, gearbox B49, hollow shaft

Benefits

Easy commissioning

- _ Pre-assembled and pre-commissioned system
- _ Connection from three sides possible (version with cable gland)
- _ Loop-through of 24 V DC and 380 to 480 V 3 AC and communication – no T distributors necessary
- _ Internal braking resistor – typical applications can be implemented without external braking resistor; optional external braking resistors are available for higher regenerative energy.
- _ Robust with degree of protection IP65/66, ambient temperature from -30 °C to 55 °C
- _ Quick and easy commissioning options:
 - _ via local DIP switches and potentiometers
 - _ via web server module SINAMICS G120 Smart Access (SAM) with web server and WLAN connection for using a smartphone, tablet or laptop in just a few steps
 - _ via TIA Portal with SINAMICS Startdrive for the use of a PC
- _ Wiring of the drive system either via screw connections or via plug connectors. Communication (PROFINET, EtherNet/IP or AS-Interface) generally via plug connectors
- _ Local diagnostics with LEDs
- _ Uploading, backup and cloning of the parameters with SD memory card

Full functionality

- _ Integrated communication: PROFINET, EtherNet/IP and AS-Interface
- _ Integrated Safety Functions (STO locally via fail-safe digital input F-DI or via PROFIsafe communication protocol) and from firmware V4.7 SP14 in conjunction with SINAMICS Startdrive from V18 SP1, the function SLS (Safely-Limited Speed) via Safety Extended license
- _ Basic PLC functions and additional functions for conveyor technology:
 - _ Horizontal conveyors: fast/slow, Quick Stop, 1 or 2 directions
 - _ Rotary table: fast/slow, Quick Stop, 2 or 3 positions and limit trip
 - _ Corner transfer conveyors lift drive: fast/slow, Quick Stop and limit trip
 - _ Traversing carriage: fast/slow, Quick Stop and limit trip
- _ Inputs/outputs can be used as distributed I/O of the PLC

Efficient engineering

- _ Full integration in Totally Integrated Automation (TIA) and TIA Portal
- _ Intuitive selection tools
 - _ SPC
 - _ TIA Selection Tool (TST)
- _ SINAMICS Startdrive as part of the TIA Portal offers complete integration for intuitive parameterization
- _ Automatic diagnostics in combination with SIMATIC control

Innomotics SG G115D distributed drive system

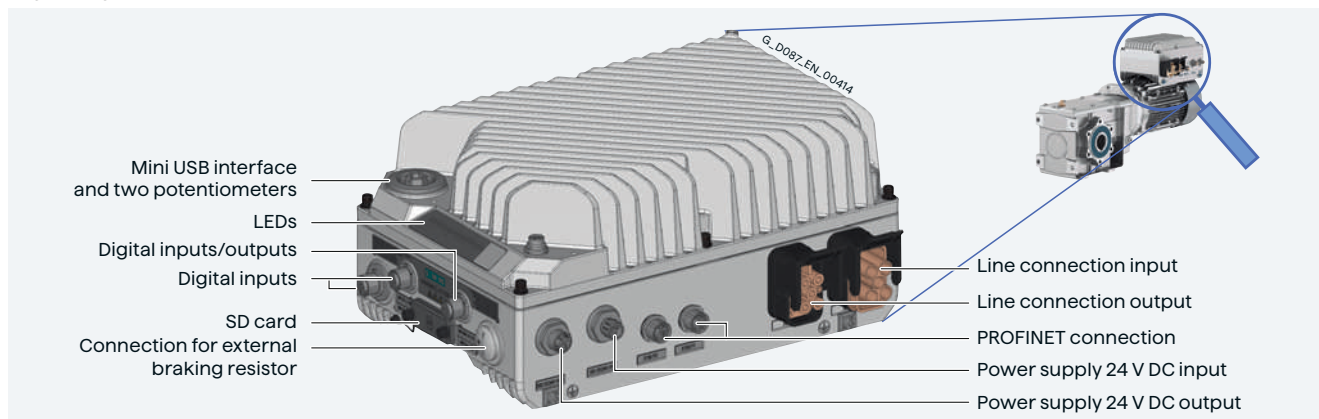
Benefits

Flexible commissioning functions

- _ Integrated conveyor technology functions:
 - _ Quick Stop function for fast reaction times for the sensors, e.g. roller conveyors, belt conveyors
 - _ Limit switch function, e.g. for rotary table, corner transfer unit
- _ Graphical commissioning of the conveyor technology functions in just a few steps
- _ Integrated inputs/outputs with variable assignment

Design

The converter is configurable regarding fieldbus communication (without, AS-Interface or PROFINET / EtherNet/IP) and connection system (cable gland or plug-in connection) as well as regarding the connection side.



Example: Innomotics SG G115D, version with plug-in connection

24 V DC power supply

The Innomotics SG G115D converter is available as a version with an integrated 24 V DC power supply.

SD memory card

The parameter settings of the converter and the firmware can be stored on the optional SD memory card. When service is required, the data are automatically downloaded from the memory card in the converter and the system is ready for use again without further interventions.

Supplementary system components

External braking resistors

Regenerative energy is converted to heat via the internal braking resistor integrated as standard. Optional external braking resistors are available for higher regenerative energy.

Installation kit

An installation kit with cable glands for the line supply (X1/X3), the 24 V DC power supply (X01/X02) and the digital inputs/digital outputs (X07/X08/X05) can be ordered for the connection.

Application

The Innomotics SG G115D distributed drive system is ideally suited for horizontal conveyor applications, e.g.:

- _ Roller, belt and chain conveyors
- _ Simple rotary tables
- _ Simple transverse shuttles

Reliable operation in harsh environments

The Innomotics SG G115D distributed frequency converters are suitable for use in harsh environments

- _ Degree of protection up to IP65
- _ Use in ambient temperatures from -30 °C to 55 °C
- _ Coated PCBs for increased resistance to humidity and dust (Class 3C2), operation according to EN 60721-3-3

Cover kit

The cover kit is used to protect the unused connector plugs for line supply, loop-through (X3) and 24 V DC loop-through (X02).

Connecting cables for communication

Flexible plug-in cables to transfer data between the PROFINET/Industrial Ethernet stations or AS-Interface stations, as well as for 24 V DC power supply.

Connecting cables for line supply, power loop-through and power bus distribution

Connector sets as well as pre-assembled cables for the line supply can be ordered as accessories.

PC converter connection kit 2 (mini USB interface cable) for communication with a PC

For controlling and commissioning a converter directly from a PC if the appropriate software (Siemens commissioning tool SINAMICS Startdrive V16 update 4 and higher) is installed.

0.37 kW to 4 kW

Innomotics SG G115D distributed drive system

Design

SINAMICS G120 Smart Access (SAM) web server module

Smart Access for the Innomotics SG G115D distributed drive system with web server for easy commissioning and diagnostics via WLAN with a smartphone, tablet or laptop in just a few steps.

Interface kit for SINAMICS G120 Smart Access (SAM) web server module

With the interface kit, the SINAMICS G120 Smart Access web server module can be connected to the Innomotics SG G115D converter.

Siemens training case

The Siemens training case is a convincing demonstration system thanks to its compact design. It is suitable for direct customer presentations as well as for testing in the technical department. The functions can be demonstrated and tested quickly and easily with this case.

Spare parts

Electronic Modules

The entire drive electronics is located in the Electronic Module. Thus, in most service cases only this module must be replaced. If a converter fails, this replacement can be performed easily and quickly.

Spare parts kit

A spare parts kit is available, which contains small parts such as seals, cover caps and screws.

Function

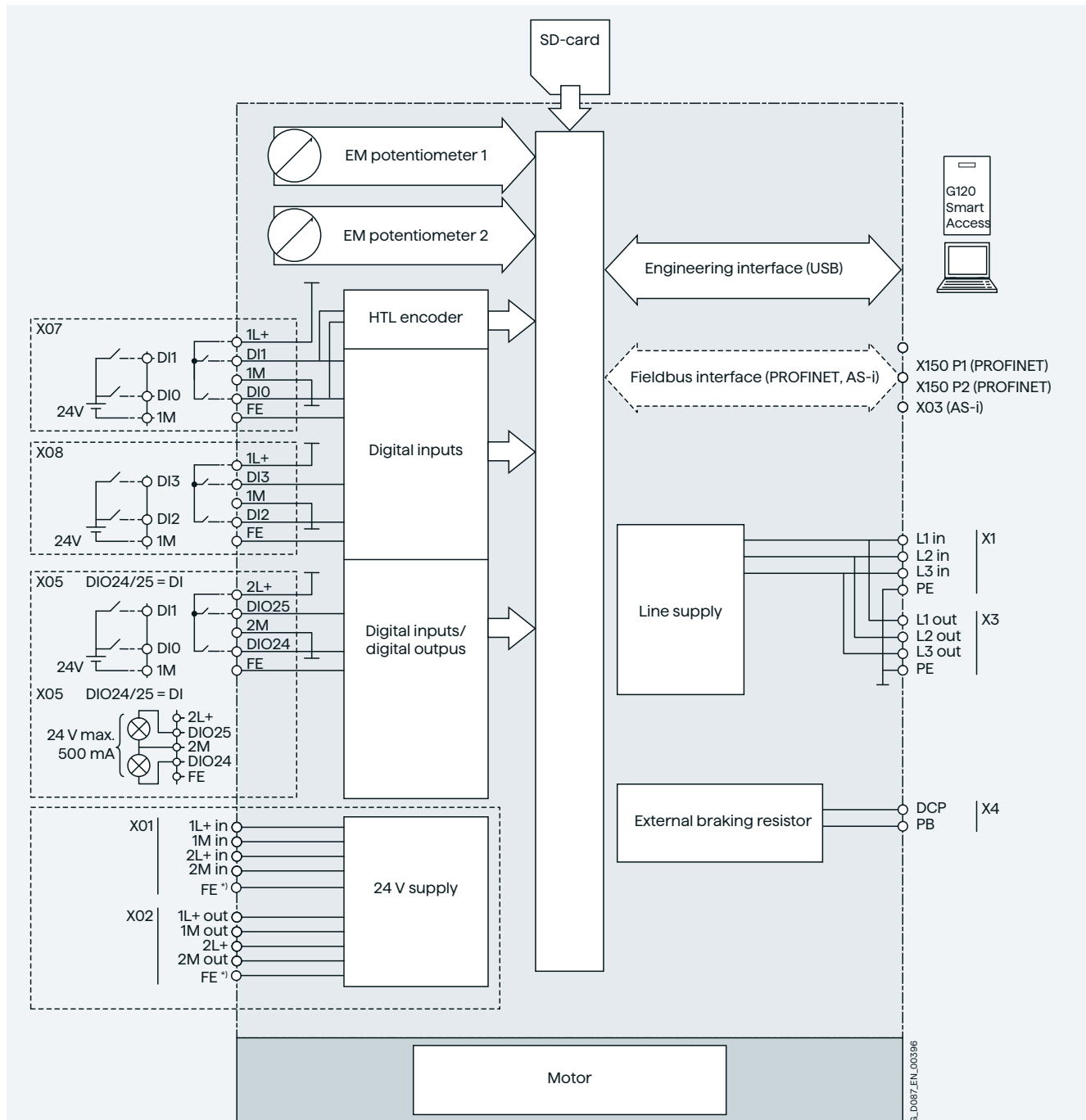
Technology functions

Specific functions for conveyor technology:

- _ Integrated communication: PROFINET / EtherNet/IP or AS-Interface
Furthermore, the "Without fieldbus communication (I/O Control)" version is available
- _ Integrated Safety Functions (STO locally via fail-safe digital input F-DI or via PROFIsafe communication protocol) and from firmware V4.7 SP14 in conjunction with SINAMICS Startdrive from V18 SP1, the function SLS (Safely-Limited Speed) via Safety Extended license
- _ Inputs/outputs can be used as distributed I/O of the PLC
- _ Basic PLC functions and additional functions for conveyor technology:
 - _ Chain and belt conveyors: fast/slow, Quick Stop, 1 or 2 directions
 - _ Rotary table: fast/slow, Quick Stop, 2 or 3 positions and limit trip
 - _ Corner transfer conveyors lift drive: fast/slow, Quick Stop and limit trip
 - _ Traversing carriage: fast/slow, Quick Stop and limit trip

Innomotics SG G115D distributed drive system

Integration



2

^{*)} The functional earth FE is not connected when using the connection type plug-in connection 7/8".

Connection example for Innomotics SG G115D.

0.37 kW to 4 kW

Innomotics SG G115D distributed drive system

General technical specifications

Innomotics SG G115D	
Mechanical specifications	
Maximum permissible vibration and shock load	ISO 20816-1 Zone A
Ambient conditions	
External 24 V supply According to IEC 60240-1	Touch-proof SELV or PELV power supply. The supply voltage must not exceed 60 V DC under single-fault conditions.
Protection class According to IEC 61800-5-1	Class I (with protective grounding conductor)
Degree of protection The degree of protection according to IEC 60034-5 (EN 60034-5) only refers to the motor	IP55 IP65, when selecting this higher degree of protection, the gearbox side should be taken into account (seals, vents) UL TEFC
Permissible ambient or coolant temperature (air) during operation	-30 ... +40 °C (-22 ... 104 °F) without Derating >40 ... 55 °C (104 ... 131 °F) see Derating characteristics
Air humidity	<95 %, condensation, icing and salt mist not permissible
Environmental class/harmful chemical substances Operation acc. to EN 60721-3-3	Class 3C2
Degree of pollution According to EN 61800-5-1	2
Permissible noise limits According to DIN EN 60034-9: 2008-01	Limit values for the motors on the converter are undershot. By increasing the clock frequency on the converter, the motor noises can also be reduced.
Standards	
Compliance with standards ¹⁾	UL 1004-1 and UL 1004-6 CSA-C22.2 No. 100 (E224884) The converters supplied with the motors in accordance with UL 61800-5-1 and CSA C22.2 No 274 CE, UKCA, EAC, KC
CE marking, according to	Machinery Directive 2006/42/EC Eco-design requirements of EU Directive 2019/1781 ³⁾ EMC Directive 2014/30/EU RoHS Directive 2011/65/EU

Converters	
Line voltage	380 V (-10 %) ... 480 V (+10 %) 3 AC
Line supply requirements	$u_K < 4 \% (R_{SC} > 25)$
Short-circuit power ratio R_{SC}	
Input frequency	45 ... 66 Hz
Output frequency	
_ Control mode U/f	0 ... 550 Hz
_ Control mode Vector	0 ... 240 Hz
Pulse frequency	4 kHz (standard); 4 ... 16 Hz (in steps of 2 kHz) see Derating data
Power factor	0.73 ... 0.90
Converter efficiency According to IEC 61800-9-2	96 ... 98 %
Efficiency class According to IEC 61800-9-2	IE2
Output voltage, max. as % of input voltage	87 ... 95 %
Overload capability	
_ High overload (HO)	2 × rated output current for 3 s, followed by 1.5 × rated output current for 57 s, over a cycle time of 300 s
Electromagnetic compatibility	
	Integrated line filter category C2 according to EN 61800-3 (corresponds to class A according to EN 55011)
Possible braking methods	
	Dynamic brake with internal braking resistor Dynamic brake with external braking resistors $R_{min} = 200 \Omega$ (for FSA), $R_{min} = 80 \Omega$ (for FSB) DC brake Integrated brake control supplies the DC supply voltage of the brake Disconnection on the DC side permits short brake application time (max. output current 0.8 A)
Degree of protection	IP65
Operating temperature	-30 ... +40 °C (-22 ... 104 °F) without Derating >40 ... 55 °C (104 ... 131 °F) see Derating characteristics
Storage temperature	-40 ... +70 °C (-40 ... +158 °F)
Permissible mounting positions	All
Relative air humidity	<95 %, condensation, icing and salt mist not permissible
Cooling	External cooling with motor fan
Installation altitude	Up to 1000 m (3281 ft) above sea level without Derating Over 1000 m (3281 ft) see Derating data
Short Circuit Current Rating (SCCR) ²⁾	65 kA
Protection functions	_ Undervoltage _ Phase failure detection _ Overvoltage _ Overload _ Ground fault _ Short-circuit _ Stall protection _ Motor blocking protection _ Motor overtemperature _ Converter overtemperature _ Parameter locking
Compliance with standards	UL 61800-5-1 (UL- list number E355661), CE, UKCA, EAC, KC
CE marking, according to	Low-Voltage Directive 2014/35/EU Eco-design requirements of EU Directive 2019/1781 ³⁾ Filtered variants also: EMC Directive 2014/30/EU

¹⁾ The Innomotics SG G115D drive system does not fall in the area of validity of the China Compulsory Certification (CCC). The 2K18 geared motors are designed exclusively for converter operation and the rated frequency of the asynchronous motors is not 50 Hz; therefore they do not fall in the area of validity of the China national standards GB 18613-2020 and CEL 007-2021 (China Energy Label).

²⁾ Applies to industrial control cabinet installations to NEC Article 409 or UL 508A.

³⁾ The distributed drive system Innomotics SG G115D motor-mounted is covered by the eco-design requirements of EU Directive 2019/1781; however, in this case the converter is regarded as a motor-integrated drive and the geared motor as a motor with an integrated frequency converter. Therefore, no efficiency requirements apply in this case.

Innomotics SG G115D distributed drive system

General technical specifications

Converters	I/O	AS-Interface	PROFINET, EtherNet/IP
Electrical specifications			
Operating voltage	External 24 V DC		
Current consumption (from the 24 V DC supply)			
_ With Power Module frame size FSA	250 mA	290 mA	290 mA
_ With Power Module frame size FSB	250 mA	290 mA	290 mA
Interfaces			
Digital inputs (not isolated)	4 programmable, PNP, SIMATIC compatible		
_ Optional for safe inputs, parameterizable	2 DI = 1F-DI		
_ Optionally usable as encoder inputs	2, for connection of an HTL encoder (A and B track)		
_ Conductor cross-section (only for version with cable gland)	0.25 ... 0.34 mm ² (24 ... 22 AWG) with end sleeves		
Digital outputs	2, switchable DI/DO		
_ Optional for safe inputs, parameterizable	-		
_ Conductor cross-section (only for version with cable gland)	0,25 ... 0,34 mm ² (24 ... 22 AWG) with end sleeves		
Bus interface			
Motor temperature sensor	1 input, sensors that can be connected: Pt1000	1 input, sensors that can be connected: Pt1000	1 input, sensors that can be connected: Pt1000
Control of a mechanical motor brake	✓	✓	✓
Slot for SD memory card	✓	✓	✓
Commissioning interface			
_ PROFINET	-	-	✓
_ Mini-USB	✓	✓	✓
Safety functions			
Integrated safety functions acc. to IEC 61508 SIL 2 and EN ISO 13849-1 PL d and Category 3	Safe Torque Off (STO) and Safely-Limited Speed (SLS – via Safety Extended license from firmware V4.7 SP14 in conjunction with SINAMICS Startdrive from V18 SP1)		
_ F-DI	✓	✓	✓
_ PROFIsafe	-	-	✓ (not with EtherNet/IP)
Open-loop/closed-loop control methods			
V/f linear/quadratic/parameterizable	✓		
V/f with flux current control (FCC)	✓		
Vector control, sensorless	✓		
Torque control, sensorless	✓		
Software functions			
Fixed frequencies	✓		
Signal interconnection with BICO technology	✓		
Automatic restart after line supply failure or operating fault	✓		
Slip compensation	✓		
Free function blocks (FFB) for logical and arithmetic operations	✓		
Ramp smoothing	✓		
4 selectable drive data sets	✓		
4 selectable command data sets (CDS) (manual/auto)	✓		
Flying restart	✓		
JOG	✓		
Cyclic recording of ramp-up and ramp-down	-	✓	✓
Technology controller (PID)	✓		
Conveyor technology functions	-	✓	✓
Thermal motor protection	✓		
Thermal converter protection	✓		
Setpoint input	✓		
Motor identification	✓		
Motor holding brake	✓		
Mechanical specifications and ambient conditions			
Degree of protection	IP65 IP55 (limited by motor), optionally IP65 / UL Type according to gear motor (compact system)		
Operating temperature	-30 ... +40 °C (-22 ... 104 °F) without Derating >40 ... 55 °C (104 ... 131 °F) see Derating characteristics		
Storage temperature	-40 ... +70 °C (-40 ... 158 °F)		
Relative air humidity	<95 %, condensation, icing and salt mist not permissible		

0.37 kW to 4 kW

Innomotics SG G115D distributed drive system

General technical specifications

Line voltage 380 ... 480 V 3 AC		Innomotics SG G115D				
Rated power for control range 1:5	kW	0.37	0.55	0.75	1.1	1.5
Rated pulse frequency	kHz	4	4	4	4	4
Efficiency η according to IEC 61800-9-2		96.31	96.81	97.23	97.42	97.49
Power loss ¹⁾ according to IEC 61800-9-2 at rated output current	kW	0.020	0.024	0.029	0.038	0.049
Internal braking resistor						
_ Continuous braking power P_{DB} (ambient temperature ≤ 40 °C (104 °F))	W	10	10	10	10	10
_ Peak power P_{max} (cycle time 12 s within 120 s (corre- sponds to 10 % on-load factor)) (ambient temperature ≤ 40 °C (104 °F))	W	100	100	100	100	100
Rated input current ²⁾	A	1.08	1.47	1.79	2.43	3.18
Line supply connection U1/L1, V1/L2, W1/L3, PE						
_ Conductor cross-section	mm ²	1.5 ... 4 14 ... 12 AWG	1.5 ... 4 14 ... 12 AWG	1.5 ... 4 14 ... 12 AWG	1.5 ... 4 14 ... 12 AWG	1.5 ... 4 14 ... 12 AWG
PE connection (external connection)						
_ Conductor cross-section (recommended)	mm ²	10	10	10	10	10
Degree of protection		up to IP65	up to IP65	up to IP65	up to IP65	up to IP65
Converter frame size		FSA	FSA	FSA	FSA	FSA
Dimensions and weight		see Chapter 5 „Ordering and selection data“ or Chapter 6 „Dimensional drawings“ of the helical geared motors, parallel shaft geared motors, bevel geared motors and helical worm geared motors				

Line voltage 380 ... 480 V 3 AC		Innomotics SG G115D		
2KJ8 ...		2JB ...-3 ...	2JG ...-3 ...	2LB ...-3 ...
Rated pulse frequency	kW	2.2	3	4
Efficiency η according to IEC 61800-9-2	kHz	4	4	4
Power loss ¹⁾ according to IEC 61800-9-2 at rated output current		97.66	97.67	97.62
Internal braking resistor	kW	0.064	0.086	0.115
_ Continuous braking power P_{DB} (ambient temperature ≤ 40 °C (104 °F))				
_ Peak power P_{max} (cycle time 12 s within 120 s (corre- sponds to 10 % on-load factor)) (ambient temperature ≤ 40 °C (104 °F))	W	10	10	10
Rated input current ²⁾	W	100	100	100
Line supply connection U1/L1, V1/L2, W1/L3, PE	A	4.65	6.23	8.16
_ Conductor cross-section				
PE connection (external connection)	mm ²	2.5 ... 4 13 ... 12 AWG	2.5 ... 4 13 ... 12 AWG	2.5 ... 4 13 ... 12 AWG
_ Conductor cross-section (recommended)				
Degree of protection	mm ²	10	10	10
Converter frame size		bis zu IP65	bis zu IP65	bis zu IP65
Dimensions and weight		FSB	FSB	FSB
Maße und Gewicht		see Chapter 5 „Ordering and selection data“ or Chapter 6 „Dimensional drawings“ of the helical geared motors, parallel shaft geared motors, bevel geared motors and helical worm geared motors		

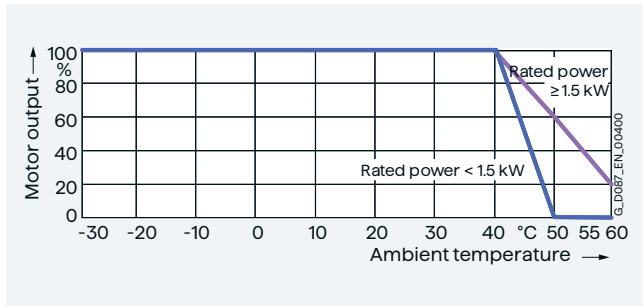
¹⁾ Typical values. More information can be found on the internet at <https://support.industry.siemens.com/cs/document/94059311>.

²⁾ The input current depends on the motor load and line impedance.
The input currents apply for load at rated power for a line impedance corresponding to $u_k = 4$ %.

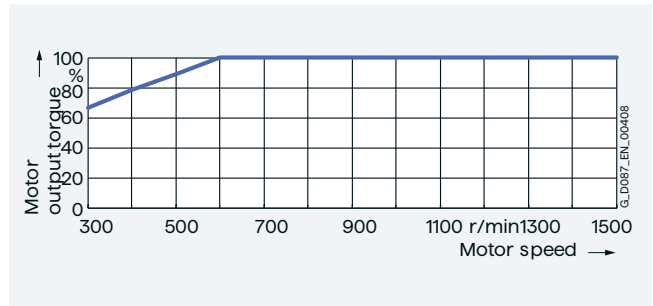
Innomotics SG G115D distributed drive system

Characteristic curves

Derating Innomotics SG geared motors with asynchronous motors IE3

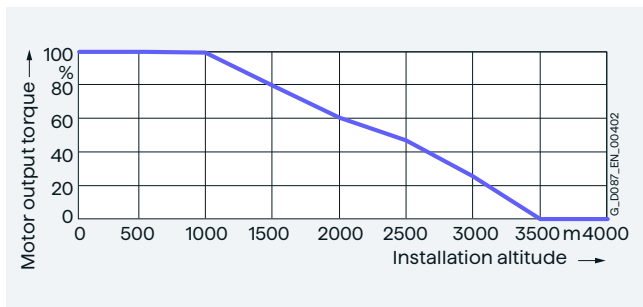


Derating of the torque as a function of the ambient temperature

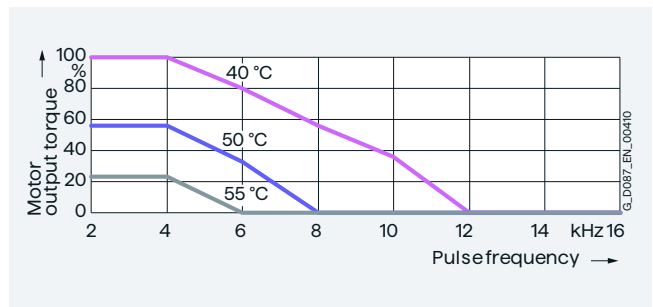


Derating of the torque as a function of the motor speed, without daisy chain

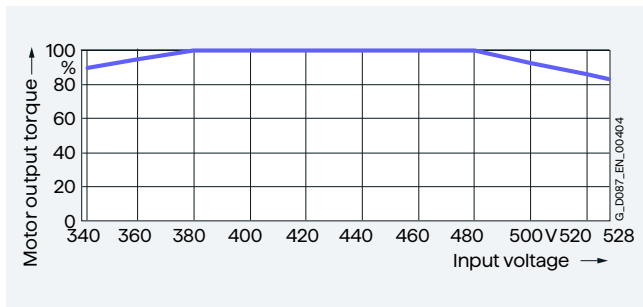
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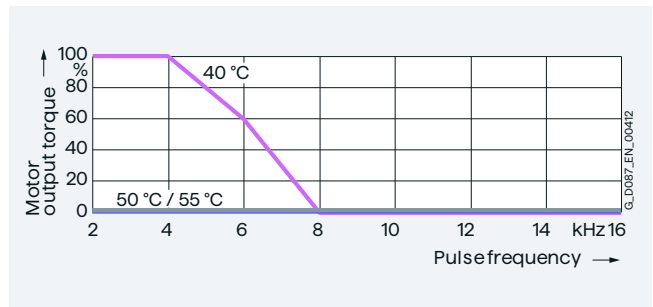
Derating of the torque as a function of the installation altitude



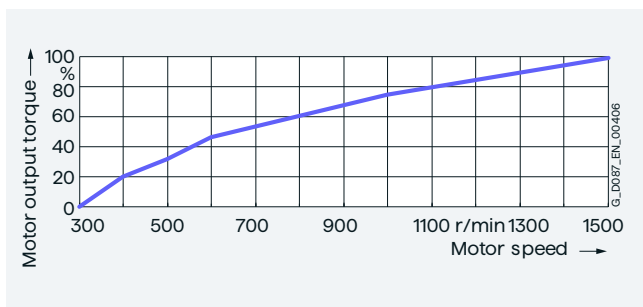
Derating of the torque as a function of the pulse frequency (rated power ≥ 1.5 kW)



Derating of the torque as a function of the input voltage



Derating of the torque as a function of the pulse frequency (rated power < 1.5 kW)



Derating of the torque as a function of the motor speed, with daisy chain

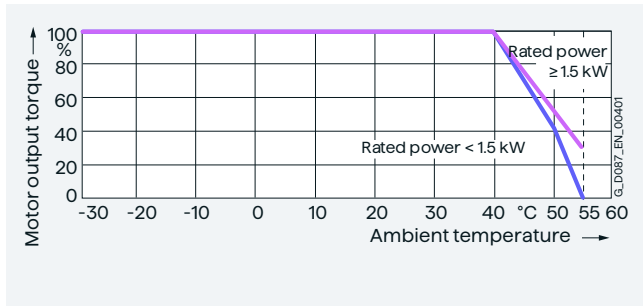
0.37 kW to 4 kW

Innomotics SG G115D distributed drive system

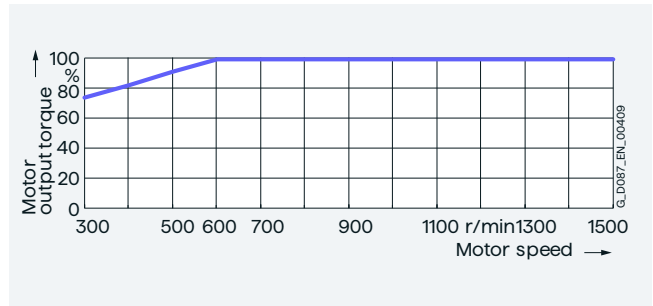
Characteristic curves

Derating Innomotics SG geared motors with synchronous reluctance motors IE4

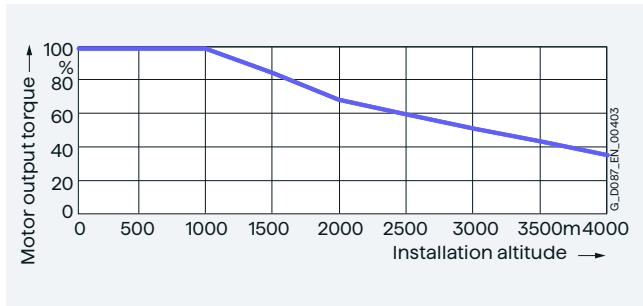
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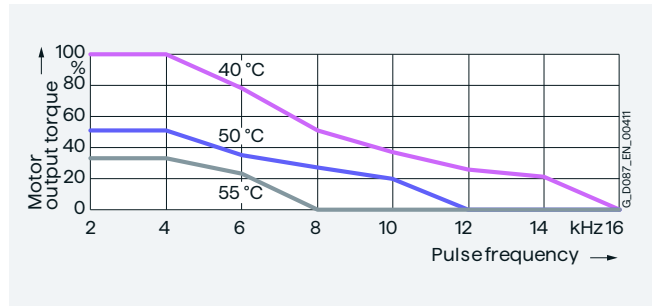
Derating of the torque as a function of the ambient temperature



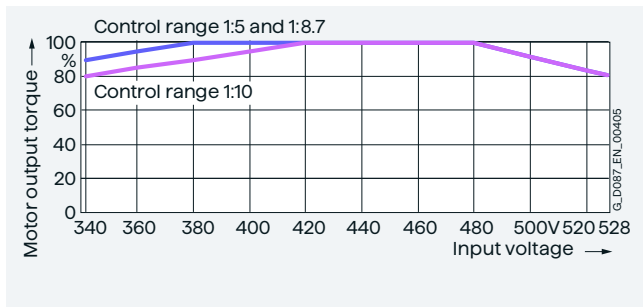
Derating of the torque as a function of the motor speed, without daisy chain



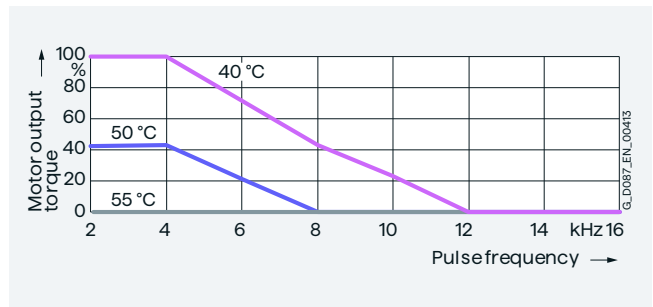
Derating of the torque as a function of the installation altitude



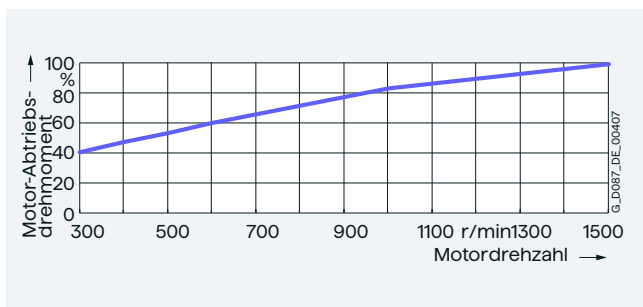
Derating of the torque as a function of the pulse frequency (rated power ≥ 1.5 kW)



Derating of the torque as a function of the input voltage



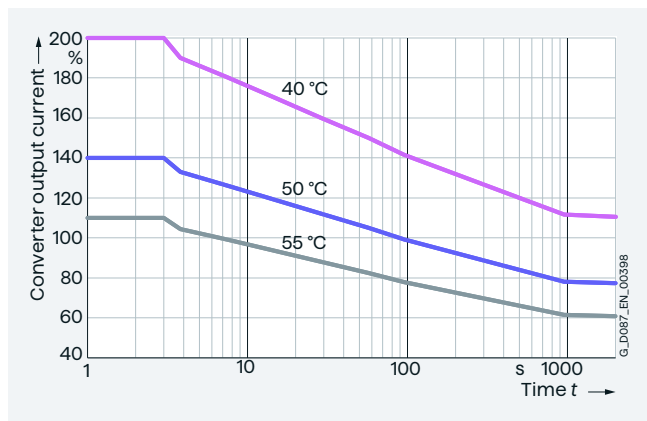
Derating of the torque as a function of the pulse frequency (rated power < 1.5 kW)



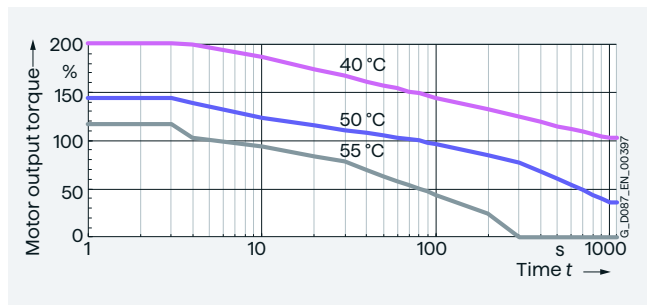
Derating of the torque as a function of the motor speed, with daisy chain

Characteristic curves

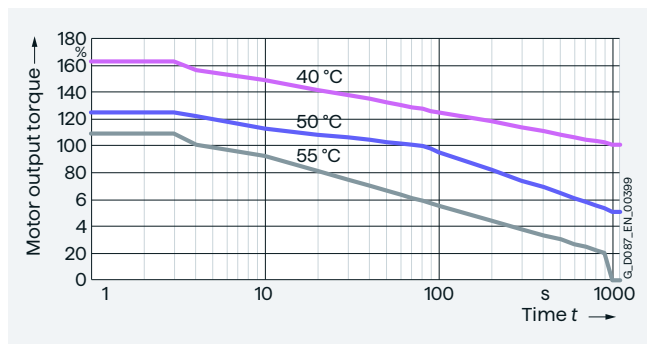
Permissible converter overload



I^2t overload capacity converter output current



I^2t overload capacity torque Innomotics SG geared motors with asynchronous motors IE3



I^2t overload capacity torque Innomotics SG geared motors with synchronous reluctance motors IE4

0.37 kW to 4 kW

Innomotics SG G115D distributed drive system

Motor type asynchronous motors IE3

Selection and ordering data

System rated power P_N kW	Drive rated torque T_N Nm	System input rated current I_N A	λ	Motor size		Converter size (Frame Size)	Article No. (Article No. supplements see below)
				Asynchronous motor	Efficiency class		
Control range 1:5 / Motor speed range 300 ... 1500 rpm							
0.37	2.36	1.20	0.73	LE71MB4P	IE3	FSA	2KJ8 ■■■ -2CG ■■ -3 ■■■ -Z
0.55	3.50	1.50	0.74	LE80MA4P	IE3	FSA	2KJ8 ■■■ -2EB ■■ -3 ■■■ -Z
0.75	4.77	1.64	0.83	LE80MB4P	IE3	FSA	2KJ8 ■■■ -2EG ■■ -3 ■■■ -Z
1.1	7.00	2.30	0.88	LE90S4P	IE3	FSA	2KJ8 ■■■ -2GB ■■ -3 ■■■ -Z
1.5	9.55	2.98	0.85	LE90L4P	IE3	FSA	2KJ8 ■■■ -2GG ■■ -3 ■■■ -Z
2.2	14.00	4.66	0.85	LE100LA4P	IE3	FSB	2KJ8 ■■■ -2JB ■■ -3 ■■■ -Z
3.0	19.10	6.31	0.90	LE100LB4P	IE3	FSB	2KJ8 ■■■ -2JB ■■ -3 ■■■ -Z
4.0	25.00	8.09	0.85	LE112MC4P	IE3	FSB	2KJ8 ■■■ -2LB ■■ -3 ■■■ -Z
Control range 1:10 / Motor speed range 300 ... 3000 rpm							
0.55	1.75	1.80	0.74	LE71MB4P	IE3	FSA	2KJ8 ■■■ -2CG ■■ -4 ■■■ -Z
0.75	2.36	2.10	0.83	LE80MA4P	IE3	FSA	2KJ8 ■■■ -2EG ■■ -4 ■■■ -Z
1.1	3.50	2.34	0.88	LE80MB4P	IE3	FSA	2KJ8 ■■■ -2EG ■■ -4 ■■■ -Z
1.5	4.77	2.93	0.85	LE90S4P	IE3	FSA	2KJ8 ■■■ -2GB ■■ -4 ■■■ -Z
2.2	7.00	4.09	0.85	LE90L4P	IE3	FSB	2KJ8 ■■■ -2GG ■■ -4 ■■■ -Z
3.0	9.55	6.47	0.90	LE100LA4P	IE3	FSB	2KJ8 ■■■ -2JB ■■ -4 ■■■ -Z
4.0	12.73	8.29	0.85	LE100LB4P	IE3	FSB	2KJ8 ■■■ -2JB ■■ -4 ■■■ -Z
Control range 1:8,7 / Motor speed range 300 ... 2610 rpm							
0.64	2.36	2.00	0.83	LE71MB4P	IE3	FSA	2KJ8 ■■■ -2CG ■■ -5 ■■■ -Z
0.95	3.50	2.60	0.88	LE80MA4P	IE3	FSA	2KJ8 ■■■ -2EB ■■ -5 ■■■ -Z
1.30	4.77	2.73	0.85	LE80MB4P	IE3	FSA	2KJ8 ■■■ -2EG ■■ -5 ■■■ -Z
1.90	7.00	3.62	0.85	LE90S4P	IE3	FSB	2KJ8 ■■■ -2GB ■■ -5 ■■■ -Z
2.60	9.55	4.82	0.90	LE90L4P	IE3	FSB	2KJ8 ■■■ -2GG ■■ -5 ■■■ -Z
3.81	14.00	8.14	0.85	LE100LA4P	IE3	FSB	2KJ8 ■■■ -2JB ■■ -5 ■■■ -Z

Article No. supplements			
Gearbox type	Helical gearbox E, 1-stage Helical gearbox Z, 2-stage Helical gearbox D, 3-stage Parallel shaft gearbox FZ, 2-stage Parallel shaft gearbox FD, 3-stage Bevel gearbox B/K, 2-/3-stage Helical worm gearbox C, 2-stage	0 1 2 3 4 5 6	
Gearbox size	See Chapter 5 „Selection and ordering data“	0 0 1 ... 4 8	
Motor temperature sensor	without Pt1000	0 1	
Motor brake	without (brake voltage 180 V DC) with standard torque (control range 1:5 and 1:8.7) / increased torque (control range 1:10) with reduced torque with increased torque (control range 1:5 and 1:8.7) / standard torque (control range 1:10)	0 1 2 3	
Converter fieldbus communication	Without fieldbus communication, cable gland Without fieldbus communication, cable gland AS-Interface, cable gland AS-Interface, plug-in connection PROFINET, EtherNet/IP, cable gland PROFINET, EtherNet/IP, plug-in connection		B C D E F G
Geared motor transmission ratio	See Chapter 5 „Selection and ordering data“		A1 ... X2
Special versions	Necessary ordering data _ Mounting position (order codes D01... D26) for the specification of the direction of rotation of the output shaft _ Configuration of the output shaft (order codes H31... H67) _ Configuration of the mounting type (order codes H71... H76) _ Configuration of the connection type of the converter (order codes V01... V81). More versions see Chapter 4 „Additional Order options“		Order codes ...+...+...+...

2

Innomotics SG G115D distributed drive system

Motor type synchronous reluctance motors IE4

Selection and ordering data

P_N kW	T_N Nm	I_N A	λ	Motor size Synchronous reluctance motor	Efficiency class	Converter size (Frame Size)	Article No. (Article No. supplements see below)
Control range 1:5 / Motor speed range 300 ... 1500 rpm							
0.55	3.50	1.64	0.74	LE80MA4S	IE4	FSA	2KJ8 ■■■ -4EC ■■ -3 ■■■ -Z
0.75	4.77	2.02	0.83	LE80MB4S	IE4	FSA	2KJ8 ■■■ -4EH ■■ -3 ■■■ -Z
1.1	7.00	2.15	0.88	LE90S4S	IE4	FSA	2KJ8 ■■■ -4GC ■■ -3 ■■■ -Z
1.5	9.55	2.83	0.85	LE90L4S	IE4	FSA	2KJ8 ■■■ -4GH ■■ -3 ■■■ -Z
2.2	14.00	4.37	0.85	LE112MA4S	IE4	FSB	2KJ8 ■■■ -4LC ■■ -3 ■■■ -Z
3.0	19.10	5.80	0.90	LE112MB4S	IE4	FSB	2KJ8 ■■■ -4LH ■■ -3 ■■■ -Z
4.0	25.46	7.01	0.85	LE112MC4S	IE4	FSB	2KJ8 ■■■ -4LN ■■ -3 ■■■ -Z
Control range 1:10 / Motor speed range 300 ... 3000 rpm							
0.75	2.36	1.77	0.83	LE80MA4S	IE4	FSA	2KJ8 ■■■ -4EC ■■ -4 ■■■ -Z
1.1	3.50	2.20	0.88	LE80MB4S	IE4	FSA	2KJ8 ■■■ -4EH ■■ -4 ■■■ -Z
1.5	4.77	2.73	0.85	LE90S4S	IE4	FSA	2KJ8 ■■■ -4GC ■■ -4 ■■■ -Z
2.2	7.00	4.24	0.85	LE90L4S	IE4	FSB	2KJ8 ■■■ -4GH ■■ -4 ■■■ -Z
3.0	9.55	5.13	0.90	LE112MA4S	IE4	FSB	2KJ8 ■■■ -4LC ■■ -4 ■■■ -Z
4.0	12.73	6.71	0.85	LE112MB4S	IE4	FSB	2KJ8 ■■■ -4LH ■■ -4 ■■■ -Z
Control range 1:8.7 / Motor speed range 300 ... 2610 rpm							
0.95	3.50	1.94	0.88	LE80MA4S	IE4	FSA	2KJ8 ■■■ -4EC ■■ -5 ■■■ -Z
1.30	4.77	2.39	0.85	LE80MB4S	IE4	FSA	2KJ8 ■■■ -4EH ■■ -5 ■■■ -Z
1.91	7.00	3.37	0.85	LE90S4S	IE4	FSB	2KJ8 ■■■ -4GC ■■ -5 ■■■ -Z
2.60	9.55	4.87	0.90	LE90L4S	IE4	FSB	2KJ8 ■■■ -4GH ■■ -5 ■■■ -Z
3.81	14.00	6.32	0.85	LE112MA4S	IE4	FSB	2KJ8 ■■■ -4LC ■■ -5 ■■■ -Z

2

Article No. supplements									
Gearbox type	Helical gearbox E, 1-stage Helical gearbox Z, 2-stage Helical gearbox D, 3-stage Parallel shaft gearbox FZ, 2-stage Parallel shaft gearbox FD, 3-stage Bevel gearbox B/K, 2-/3-stage Helical worm gearbox C, 2-stage	0 1 2 3 4 5 6							
Gearbox size	See Chapter 5 „Selection and ordering data“	0 1 4 8	0 1 ...						
Motor temperature sensor	without Pt1000			0 1					
Motor brake (brake voltage 180 V DC)	without with standard torque (control range 1:5 and 1:8.7) / increased torque (control range 1:10) with reduced torque with increased torque (control range 1:5 and 1:8.7) / standard torque (control range 1:10)				0 1 2 3				
Converter fieldbus communication	Without fieldbus communication, cable gland Without fieldbus communication, cable gland AS-Interface, cable gland AS-Interface, plug-in connection PROFINET, EtherNet/IP, cable gland PROFINET, EtherNet/IP, plug-in connection					B C D E F G			
Geared motor transmission ratio	See Chapter 5 „Selection and ordering data“						A1 ... X2		
Special versions	Necessary ordering data: _ Mounting position (order codes D01... D26) for the specification of the direction of rotation of the output shaft _ Configuration of the output shaft (order codes H31... H67) _ Configuration of the mounting type (order codes H71... H76) _ Configuration of the connection type of the converter (order codes V01... V81). More versions see Chapter 4 „Additional Order options“							Order codes ...+...+...+...	

0.37 kW to 4 kW

Innomotics SG G115D distributed drive system

Additional information for the basic configuration

Selection and ordering data

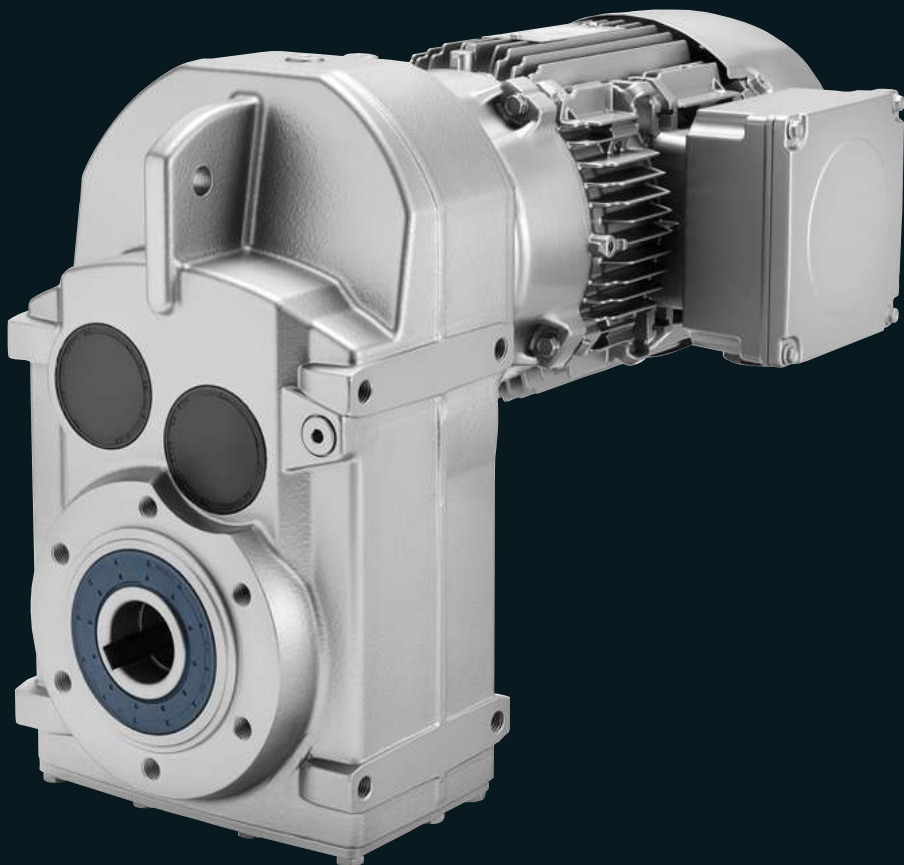
Type	Motor	Rated power	Rated torque	Maximum short-time torque	Efficiency	Efficiency class	Relative starting torque		Motor moment of inertia	Weight
		P_N kW	T_N Nm	T_{max} Nm	η 4/4 load %	acc. to IEC TS 60034-30-2	Standard	Max.	J_{mot} without brake	m_{mot} without brake
Control range 1:5 / Motor speed range 300 ... 1500 rpm										
Motor type asynchronous motors IE3										
2KJ8	■ ■ ■ ■ -2CG ■ ■ ■ -3 ■ ■ ■ ■ -Z	0.37	2.36	4.72	77.40	IE3	1.3	2.0	13.00	9.00
2KJ8	■ ■ ■ ■ -2EB ■ ■ ■ -3 ■ ■ ■ ■ -Z	0.55	3.50	7.00	82.10	IE3	1.3	2.0	29.00	11.00
2KJ8	■ ■ ■ ■ -2EG ■ ■ ■ -3 ■ ■ ■ ■ -Z	0.75	4.77	9.54	82.10	IE3	1.3	2.0	29.00	14.00
2KJ8	■ ■ ■ ■ -2GB ■ ■ ■ -3 ■ ■ ■ ■ -Z	1.1	7.00	14.00	82.40	IE3	1.3	2.0	36.00	16.00
2KJ8	■ ■ ■ ■ -2GG ■ ■ ■ -3 ■ ■ ■ ■ -Z	1.5	9.55	19.10	84.20	IE3	1.3	2.0	49.00	19.00
2KJ8	■ ■ ■ ■ -2JB ■ ■ ■ -3 ■ ■ ■ ■ -Z	2.2	14.00	28.00	87.10	IE3	1.3	2.0	140.00	25.00
2KJ8	■ ■ ■ ■ -2JG ■ ■ ■ -3 ■ ■ ■ ■ -Z	3.0	19.10	38.20	86.70	IE3	1.3	2.0	140.00	30.00
2KJ8	■ ■ ■ ■ -2LB ■ ■ ■ -3 ■ ■ ■ ■ -Z	4.0	25.00	50.00	88.20	IE3	1.3	2.0	170.00	34.00
Motor type synchronous reluctance motors IE4										
2KJ8	■ ■ ■ ■ -4EC ■ ■ ■ -3 ■ ■ ■ ■ -Z	0.55	3.50	7.00	81.90	IE4	1.3	2.0	20.00	12.00
2KJ8	■ ■ ■ ■ -4EH ■ ■ ■ -3 ■ ■ ■ ■ -Z	0.75	4.77	9.54	84.90	IE4	1.3	2.0	26.00	15.00
2KJ8	■ ■ ■ ■ -4GC ■ ■ ■ -3 ■ ■ ■ ■ -Z	1.10	7.00	14.00	85.60	IE4	1.3	2.0	34.00	18.00
2KJ8	■ ■ ■ ■ -4GH ■ ■ ■ -3 ■ ■ ■ ■ -Z	1.50	9.55	19.10	86.70	IE4	1.3	2.0	43.00	22.00
2KJ8	■ ■ ■ ■ -4LC ■ ■ ■ -3 ■ ■ ■ ■ -Z	2.20	14.00	28.00	90.00	IE4	1.3	2.0	92.00	34.00
2KJ8	■ ■ ■ ■ -4LH ■ ■ ■ -3 ■ ■ ■ ■ -Z	3.00	19.10	38.20	89.70	IE4	1.3	2.0	92.00	34.00
2KJ8	■ ■ ■ ■ -4LN ■ ■ ■ -3 ■ ■ ■ ■ -Z	4.00	25.46	50.92	90.60	IE4	1.3	2.0	114.00	39.00
Control range 1:10 / Motor speed range 300 ... 3000 rpm										
Motor type asynchronous motors IE3										
2KJ8	■ ■ ■ ■ -2CG ■ ■ ■ -4 ■ ■ ■ ■ -Z	0.55	1.75	3.50	79.50	IE3	1.3	2.0	13.00	9.00
2KJ8	■ ■ ■ ■ -2EB ■ ■ ■ -4 ■ ■ ■ ■ -Z	0.75	2.36	4.72	82.40	IE3	1.3	2.0	29.00	11.00
2KJ8	■ ■ ■ ■ -2EG ■ ■ ■ -4 ■ ■ ■ ■ -Z	1.10	3.50	7.00	84.00	IE3	1.3	2.0	29.00	14.00
2KJ8	■ ■ ■ ■ -2GB ■ ■ ■ -4 ■ ■ ■ ■ -Z	1.50	4.77	9.54	84.20	IE3	1.3	2.0	36.00	16.00
2KJ8	■ ■ ■ ■ -2GG ■ ■ ■ -4 ■ ■ ■ ■ -Z	2.20	7.00	14.00	86.90	IE3	1.3	2.0	49.00	19.00
2KJ8	■ ■ ■ ■ -2JB ■ ■ ■ -4 ■ ■ ■ ■ -Z	3.00	9.55	19.10	87.10	IE3	1.3	2.0	140.00	25.00
2KJ8	■ ■ ■ ■ -2JG ■ ■ ■ -4 ■ ■ ■ ■ -Z	4.00	12.73	25.46	88.70	IE3	1.3	2.0	140.00	30.00
Motor type synchronous reluctance motors IE4										
2KJ8	■ ■ ■ ■ -4EC ■ ■ ■ -4 ■ ■ ■ ■ -Z	0.75	2.36	4.72	84.30	IE4	1.3	2.0	20.00	12.00
2KJ8	■ ■ ■ ■ -4EH ■ ■ ■ -4 ■ ■ ■ ■ -Z	1.10	3.50	7.00	87.30	IE4	1.3	2.0	26.00	15.00
2KJ8	■ ■ ■ ■ -4GC ■ ■ ■ -4 ■ ■ ■ ■ -Z	1.50	4.77	9.54	87.00	IE4	1.3	2.0	34.00	18.00
2KJ8	■ ■ ■ ■ -4GH ■ ■ ■ -4 ■ ■ ■ ■ -Z	2.20	7.00	14.00	89.00	IE4	1.3	2.0	43.00	22.00
2KJ8	■ ■ ■ ■ -4LC ■ ■ ■ -4 ■ ■ ■ ■ -Z	3.00	9.55	19.10	89.40	IE4	1.3	2.0	92.00	34.00
2KJ8	■ ■ ■ ■ -4LH ■ ■ ■ -4 ■ ■ ■ ■ -Z	4.00	12.73	25.46	90.50	IE4	1.3	2.0	92.00	34.00
Control range 1:8,7 / Motor speed range 300 ... 2610 rpm										
Motor type asynchronous motors IE3										
2KJ8	■ ■ ■ ■ -2CG ■ ■ ■ -5 ■ ■ ■ ■ -Z	0.64	2.36	4.72	80.90	IE3	1.3	2.0	13.00	9.00
2KJ8	■ ■ ■ ■ -2EB ■ ■ ■ -5 ■ ■ ■ ■ -Z	0.95	3.50	7.00	84.30	IE3	1.3	2.0	29.00	11.00
2KJ8	■ ■ ■ ■ -2EG ■ ■ ■ -5 ■ ■ ■ ■ -Z	1.30	4.77	9.54	84.80	IE3	1.3	2.0	29.00	14.00
2KJ8	■ ■ ■ ■ -2GB ■ ■ ■ -5 ■ ■ ■ ■ -Z	1.90	7.00	14.00	85.70	IE3	1.3	2.0	36.00	16.00
2KJ8	■ ■ ■ ■ -2GG ■ ■ ■ -5 ■ ■ ■ ■ -Z	2.60	9.55	19.10	86.30	IE3	1.3	2.0	49.00	19.00
2KJ8	■ ■ ■ ■ -2JB ■ ■ ■ -5 ■ ■ ■ ■ -Z	3.81	14.00	28.00	88.00	IE3	1.3	2.0	140.00	25.00
Motor type synchronous reluctance motors IE4										
2KJ8	■ ■ ■ ■ -4EC ■ ■ ■ -5 ■ ■ ■ ■ -Z	0.95	3.50	7.00	85.40	IE4	1.3	2.0	20.00	12.00
2KJ8	■ ■ ■ ■ -4EH ■ ■ ■ -5 ■ ■ ■ ■ -Z	1.30	4.77	9.54	87.80	IE4	1.3	2.0	26.00	15.00
2KJ8	■ ■ ■ ■ -4GC ■ ■ ■ -5 ■ ■ ■ ■ -Z	1.90	7.00	14.00	88.30	IE4	1.3	2.0	34.00	18.00
2KJ8	■ ■ ■ ■ -4GH ■ ■ ■ -5 ■ ■ ■ ■ -Z	2.60	9.55	19.10	89.00	IE4	1.3	2.0	43.00	22.00
2KJ8	■ ■ ■ ■ -4LC ■ ■ ■ -5 ■ ■ ■ ■ -Z	3.81	14.00	28.00	90.80	IE4	1.3	2.0	92.00	34.00

2

Innomotics SG

Geared Motors

3



3

Innomotics SG geared motors for Siemens Converter G115D

0.37 kW to 7.5 kW

3/2	Overview	1
3/2	Benefits	
3/2	Technical specifications	
	Motor type asynchronous motors IE3	
3/3	Selection and ordering data	2
	Motor type synchronous reluctance motors IE4	
3/4	Selection and ordering data	
	Additional information for the basic configuration	
3/5	Selection and ordering data	3

1

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4

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8

0.37 kW to 7.5 kW

Innomotics SG geared motors for Siemens Converter G115D

Overview

With their wide range of transmission ratios, from very low up to very high, Innomotics SG geared motors provide the necessary flexibility for your drive application.

Together with the Innomotics with three-phase asynchronous motors with efficiency class up to IE3 or high-efficiency synchronous reluctance motors with efficiency class IE4, our geared motors allow a high amount of energy to be saved and reduce the stress on our environment.

Innomotics SG Geared Motors are available as helical, parallel shaft, bevel, helical worm geared motors.

Benefits

- _ High energy efficiency for a fast return on investment
- _ Extremely compact and low weight for easy handling in the machine or system in the smallest space
- _ Harmoniously coordinated modular system to provide the optimum solution for your particular drive task
- _ Fine ratio stages to always obtain the output speed required
- _ Intelligent sealing concept for a high degree of maintenance friendliness
- _ The MODULOG modular principle for outstanding flexibility

3

Technical specifications

General technical specifications	Innomotics SG Geared Motors 2KJ8 for Siemens Converter SINAMICS G115D
Mechanical specifications	
Vibratory load	
_ Transport acc. to EN 60721-3-2: 1997	-
_ Operation acc. to EN 60721-3-3: 1995	-
Maximum permissible vibration and shock load	ISO 20816-1 Zone A
Ambient conditions	
External 24 V supply According to IEC 60204-1	Touch-proof SELV or PELV power supply. The supply voltage must not exceed 60 V DC under single-fault conditions.
Protection class According to EN 61800-5-1	Class I (with protective grounding conductor)
Degree of protection The degree of protection according to IEC 60034-5 (EN 60034-5) only refers to the motor	IP55 IP56 ¹⁾ , IP65, when selecting these higher types of protection, ensure that the gearbox side is correctly sealed and vented. UL TEFC
Permissible ambient or coolant temperature (air) during operation	-30 ... +40 °C (-22 ... 104 °F) without Derating >40 ... 55 °C (104 ... 131 °F) see Derating characteristics
Relative air humidity	<95 %, condensation, icing and salt mist not permissible
Environmental class/ harmful chemical substances Operation acc. to EN 60721-3-3	Class 3C2
Degree of pollution According to EN 61800-5-1	2
Permissible noise limits According to DIN EN 60034-9: 2008-01	Limit values for the motors on the converter are undershot. By increasing the clock frequency on the converter, the motor noises can also be reduced.
Certification for fail-safe versions	
_ According to EN ISO 13849-1	-
_ According to IEC 61508	-
_ According to EN ISO 13849-1	-
_ PFH According to IEC 61800-5-2	-
_ PFD According to IEC 61508	-
_ Duration of assignment T1	-
Standards	
Compliance with standards ²⁾	UL 1004-1 and UL 1004-6 CSA-C22.2 No. 100, CE, UKCA, EAC
CE marking, according to	Machinery Directive 2006/42/EC Eco-design requirements of EU Directive 2019/1781 EMC Directive 2014/30/EU RoHS Directive 2011/65/EU
EMC Directive	
_ Frame sizes FSA to FSC with integrated line filter	-

¹⁾ No brake and no 10 or 12- pole plug possible.

Innomotics SG geared motors for Siemens Converter G115D

Motor type asynchronous motors IE3

Selection and ordering data

P _N kW	T _N Nm	Motor Asynchronous motor	Efficiency class	cos φ	Article No. (Article No. supplements see below)	Permissible Siemens Converter power SINAMICS G115D P _N kW
Control range 1:5 / Motor speed range 300 ... 1 500 rpm						
0.37	2.36	LE71MB4P	IE3	0.70	2KJ8 ■■■ -2CG ■■ -0A ■■ -Z	0.37; 0.55; 0.75
0.55	3.50	LE80MA4P	IE3	0.77	2KJ8 ■■■ -2EB ■■ -0A ■■ -Z	0.55; 0.75; 1.1
0.75	4.77	LE80MB4P	IE3	0.76	2KJ8 ■■■ -2EG ■■ -0A ■■ -Z	0.75; 1.1; 1.5
1.1	7.00	LE90S4P	IE3	0.79	2KJ8 ■■■ -2GB ■■ -0A ■■ -Z	1.1; 1.5; 2.2
1.5	9.55	LE90L4P	IE3	0.82	2KJ8 ■■■ -2GG ■■ -0A ■■ -Z	1.5; 2.2; 3.0
2.2	14.00	LE100LA4P	IE3	0.82	2KJ8 ■■■ -2JB ■■ -0A ■■ -Z	2.2; 3.0; 4.0
3.0	19.10	LE100LB4P	IE3	0.83	2KJ8 ■■■ -2JG ■■ -0A ■■ -Z	3.0; 4.0; 5.5
4.0	25.46	LE112MC4P	IE3	0.83	2KJ8 ■■■ -2LB ■■ -0A ■■ -Z	4.0; 5.5; 7.5
5.5	35.00	LE132S4P	IE3	0.82	2KJ8 ■■■ -2NB ■■ -0A ■■ -Z	5.5; 7.5
7.5	47.75	LE132M4P	IE3	0.78	2KJ8 ■■■ -2NG ■■ -0A ■■ -Z	7.5
Control range 1:10 / Motor speed range 300 ... 3 000 rpm						
0.55	1.75	LE71MB4P	IE3	0.67	2KJ8 ■■■ -2CG ■■ -1A ■■ -Z	0.55; 0.75; 1.1
0.75	2.36	LE80MA4P	IE3	0.73	2KJ8 ■■■ -2EB ■■ -1A ■■ -Z	0.75; 1.1; 1.5
1.1	3.50	LE80MB4P	IE3	0.73	2KJ8 ■■■ -2EG ■■ -1A ■■ -Z	1.1; 1.5; 2.2
1.5	4.77	LE90S4P	IE3	0.75	2KJ8 ■■■ -2GB ■■ -1A ■■ -Z	1.5; 2.2; 3.0
2.2	7.00	LE90L4P	IE3	0.80	2KJ8 ■■■ -2GG ■■ -1A ■■ -Z	2.2; 3.0; 4.0
3.0	9.55	LE100LA4P	IE3	0.80	2KJ8 ■■■ -2JB ■■ -1A ■■ -Z	3.0; 4.0; 5.5
4.0	12.73	LE100LB4P	IE3	0.80	2KJ8 ■■■ -2JG ■■ -1A ■■ -Z	4.0; 5.5; 7.5
5.5	17.50	LE112MC4P	IE3	0.81	2KJ8 ■■■ -2LB ■■ -1A ■■ -Z	5.5; 7.5
7.5	23.87	LE132S4P	IE3	0.81	2KJ8 ■■■ -2NB ■■ -1A ■■ -Z	7.5
Control range 1:8.7 / Motor speed range 300 ... 2 610 rpm						
0.64	2.36	LE71MB4P	IE3	0.67	2KJ8 ■■■ -2CG ■■ -2A ■■ -Z	0.75; 1.1; 1.5
0.95	3.50	LE80MA4P	IE3	0.76	2KJ8 ■■■ -2EB ■■ -2A ■■ -Z	1.1; 1.5; 2.2
1.30	4.77	LE80MB4P	IE3	0.73	2KJ8 ■■■ -2EG ■■ -2A ■■ -Z	1.5; 2.2; 3.0
1.90	7.00	LE90S4P	IE3	0.76	2KJ8 ■■■ -2GB ■■ -2A ■■ -Z	2.2; 3.0; 4.0
2.60	9.55	LE90L4P	IE3	0.80	2KJ8 ■■■ -2GG ■■ -2A ■■ -Z	3.0; 4.0; 5.5
3.81	14.00	LE100LA4P	IE3	0.82	2KJ8 ■■■ -2JB ■■ -2A ■■ -Z	4.0; 5.5; 7.5
5.20	19.10	LE100LB4P	IE3	0.81	2KJ8 ■■■ -2JG ■■ -2A ■■ -Z	5.5; 7.5
6.93	25.46	LE112MC4P	IE3	0.81	2KJ8 ■■■ -2LB ■■ -2A ■■ -Z	7.5

Article No. supplements						
Gearbox type	Helical gearbox E, 1-stage	0				
	Helical gearbox Z, 2-stage	1				
	Helical gearbox D, 3-stage	2				
	Parallel shaft gearbox FZ, 2-stage	3				
	Parallel shaft gearbox FD, 3-stage	4				
	Bevel gearbox B/K, 2-/3-stage	5				
	Helical worm gearbox C, 2-stage	6				
Gearbox size	See Chapter 5 „Selection and ordering data“	0 0				
		1 ...				
		4 8				
Motor temperature sensor	without		0			
	Pt1000		1			
Motor brake	without		0			
(brake voltage 180 V DC)	with standard torque (control range 1:5 and 1:8.7) /		1			
	increased torque (control range 1:10)					
	with reduced torque		2			
	with increased torque (control range 1:5 and 1:8.7) /		3			
	standard torque (control range 1:10)					
Geared motor transmission ratio	See Chapter 5 „Selection and ordering data“				A1	
					...	
					X2	
Special versions						Order codes
Necessary ordering data:						...+...+...+...
_ Mounting position (order codes D01... D26) for the specification of the direction of rotation of the output shaft						
_ Configuration of the output shaft (order codes H31... H67)						
_ Configuration of the mounting type (order codes H71... H76)						
More versions see Chapter 4 „Additional Order options“						

0.37 kW to 7.5 kW

Innomotics SG geared motors for Siemens Converter G115D

Motor type synchronous reluctance motors IE4

Selection and ordering data

P_N kW	T_N Nm	Motor Synchronous reluctance motor	Efficiency class	cos ϕ	Article No. (Article No. supplements see below)	Permissible Siemens Converter power SINAMICS G115D P_N kW
Control range 1:5 / Motor speed range 300 ... 1 500 rpm						
0.55	3.50	LE80MA4S	IE4	0.64	2KJ8 ■■■ -4EC ■■ -0A ■■ -Z	0.55; 0.75; 1.1
0.75	4.77	LE80MB4S	IE4	0.63	2KJ8 ■■■ -4EH ■■ -0A ■■ -Z	0.75; 1.1; 1.5
1.1	7.00	LE90S4S	IE4	0.66	2KJ8 ■■■ -4GC ■■ -0A ■■ -Z	1.1; 1.5; 2.2
1.5	9.55	LE90L4S	IE4	0.65	2KJ8 ■■■ -4GH ■■ -0A ■■ -Z	1.5; 2.2; 3.0
2.2	14.00	LE112MA4S	IE4	0.69	2KJ8 ■■■ -4LC ■■ -0A ■■ -Z	2.2; 3.0; 4.0
3.0	19.10	LE112MB4S	IE4	0.69	2KJ8 ■■■ -4LH ■■ -0A ■■ -Z	3.0; 4.0; 5.5
4.0	25.46	LE112MC4S	IE4	0.70	2KJ8 ■■■ -4LN ■■ -0A ■■ -Z	4.0; 5.5; 7.5
Control range 1:10 / Motor speed range 300 ... 3 000 rpm						
0.75	2.36	LE80MA4S	IE4	0.59	2KJ8 ■■■ -4EC ■■ -1A ■■ -Z	0.75; 1.1; 1.5
1.1	3.50	LE80MB4S	IE4	0.61	2KJ8 ■■■ -4EH ■■ -1A ■■ -Z	1.1; 1.5; 2.2
1.5	4.77	LE90S4S	IE4	0.62	2KJ8 ■■■ -4GC ■■ -1A ■■ -Z	1.5; 2.2; 3.0
2.2	7.00	LE90L4S	IE4	0.64	2KJ8 ■■■ -4GH ■■ -1A ■■ -Z	2.2; 3.0; 4.0
3.0	9.55	LE112MA4S	IE4	0.66	2KJ8 ■■■ -4LC ■■ -1A ■■ -Z	3.0; 4.0; 5.5
4.0	12.73	LE112MB4S	IE4	0.67	2KJ8 ■■■ -4LH ■■ -1A ■■ -Z	4.0; 5.5; 7.5
5.5	17.50	LE112MC4S	IE4	0.70	2KJ8 ■■■ -4LN ■■ -1A ■■ -Z	5.5; 7.5
Control range 1:8.7 / Motor speed range 300 ... 2 610 rpm						
0.95	3.50	LE80MA4S	IE4	0.61	2KJ8 ■■■ -4EC ■■ -2A ■■ -Z	1.1; 1.5; 2.2
1.30	4.77	LE80MB4S	IE4	0.61	2KJ8 ■■■ -4EH ■■ -2A ■■ -Z	1.5; 2.2; 3.0
1.90	7.00	LE90S4S	IE4	0.64	2KJ8 ■■■ -4GC ■■ -2A ■■ -Z	2.2; 3.0; 4.0
2.60	9.55	LE90L4S	IE4	0.64	2KJ8 ■■■ -4GH ■■ -2A ■■ -Z	3.0; 4.0; 5.5
3.81	14.00	LE112MA4S	IE4	0.68	2KJ8 ■■■ -4LC ■■ -2A ■■ -Z	4.0; 5.5; 7.5
5.2	19.10	LE112MB4S	IE4	0.70	2KJ8 ■■■ -4LH ■■ -2A ■■ -Z	5.5; 7.5
6.93	25.46	LE112MC4S	IE4	0.80	2KJ8 ■■■ -4LN ■■ -2A ■■ -Z	7.5

Article No. supplements

Gearbox type	Helical gearbox E, 1-stage Helical gearbox Z, 2-stage Helical gearbox D, 3-stage Parallel shaft gearbox FZ, 2-stage Parallel shaft gearbox FD, 3-stage Bevel gearbox B/K, 2-/3-stage Helical worm gearbox C, 2-stage	0 1 2 3 4 5 6			
Gearbox size	See Chapter 5 „Selection and ordering data“	0 0 1 ... 4 8			
Motor temperature sensor	without Pt1000		0 1		
Motor brake	without (brake voltage 180 V DC) with standard torque (control range 1:5 and 1:8.7) / increased torque (control range 1:10) with reduced torque with increased torque (control range 1:5 and 1:8.7) / standard torque (control range 1:10)		0 1 2 3		
Geared motor transmission ratio	See Chapter 5 „Selection and ordering data“			A1 ... X2	
Special versions	Necessary ordering data: _ Mounting position (order codes D01... D26) for the specification of the direction of rotation of the output shaft _ Configuration of the output shaft (order codes H31... H67) _ Configuration of the mounting type (order codes H71... H76) More versions see Chapter 4 „Additional Order options“				Order codes ...+...+...+...

3

Innomotics SG geared motors for Siemens Converter G115D

Additional information for the basic configuration

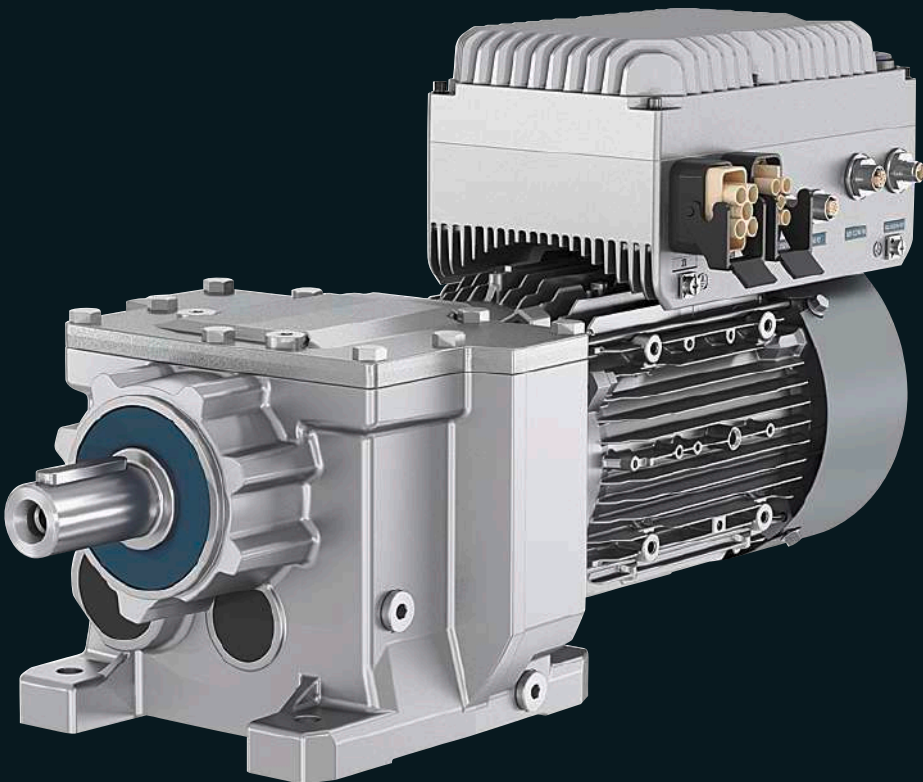
Selection and ordering data

Type	Motor	Rated power P_N	Rated torque T_N	Maximum short-time torque T_{max}	Efficiency η	Efficiency class	Relative starting torque T_{st}/T_N		Motor moment of inertia J_{mot} without brake	Weight m_{mot} without brake	
							Standard	Max.			
		kW	Nm	Nm	4/4 load %	acc. to IEC TS 60034-30-2	-	-			
Control range 1:5 / Motor speed range 300 ... 1500 rpm											
<i>Motor type asynchronous motors IE3</i>											
2KJ8	■■■■ -2CG ■■■ -0A ■■■ -Z	LE71MB4P	0.37	2.36	4.72	77.40	IE3	1.3	2.0	13.00	9.00
2KJ8	■■■■ -2EB ■■■ -0A ■■■ -Z	LE80MA4P	0.55	3.50	7.00	82.10	IE3	1.3	2.0	29.00	11.00
2KJ8	■■■■ -2EG ■■■ -0A ■■■ -Z	LE80MB4P	0.75	4.77	9.54	82.10	IE3	1.3	2.0	29.00	14.00
2KJ8	■■■■ -2GB ■■■ -0A ■■■ -Z	LE90S4P	1.10	7.00	14.00	82.40	IE3	1.3	2.0	36.00	16.00
2KJ8	■■■■ -2GG ■■■ -0A ■■■ -Z	LE90L4P	1.50	9.55	19.10	84.20	IE3	1.3	2.0	49.00	19.00
2KJ8	■■■■ -2JB ■■■ -0A ■■■ -Z	LE100LA4P	2.20	14.00	28.00	87.10	IE3	1.3	2.0	140.00	25.00
2KJ8	■■■■ -2JG ■■■ -0A ■■■ -Z	LE100LB4P	3.00	19.10	38.20	86.70	IE3	1.3	2.0	140.00	30.00
2KJ8	■■■■ -2LB ■■■ -0A ■■■ -Z	LE112MC4P	4.00	25.46	50.92	88.20	IE3	1.3	2.0	170.00	34.00
2KJ8	■■■■ -2NB ■■■ -0A ■■■ -Z	LE132S4P	5.50	35.00	70.00	89.20	IE3	1.3	2.0	340.00	61.00
2KJ8	■■■■ -2NG ■■■ -0A ■■■ -Z	LE132M4P	7.50	47.75	95.50	89.80	IE3	1.3	2.0	460.00	78.00
<i>Motor type synchronous reluctance motors IE4</i>											
2KJ8	■■■■ -4EC ■■■ -0A ■■■ -Z	LE80MA4S	0.55	3.50	7.00	81.90	IE4	1.3	2.0	20.00	12.00
2KJ8	■■■■ -4EH ■■■ -0A ■■■ -Z	LE80MB4S	0.75	4.77	9.54	84.90	IE4	1.3	2.0	26.00	15.00
2KJ8	■■■■ -4GC ■■■ -0A ■■■ -Z	LE90S4S	1.10	7.00	14.00	85.60	IE4	1.3	2.0	34.00	18.00
2KJ8	■■■■ -4GH ■■■ -0A ■■■ -Z	LE90L4S	1.50	9.55	19.10	86.70	IE4	1.3	2.0	43.00	22.00
2KJ8	■■■■ -4LC ■■■ -0A ■■■ -Z	LE112MA4S	2.20	14.00	28.00	90.00	IE4	1.3	2.0	92.00	34.00
2KJ8	■■■■ -4LH ■■■ -0A ■■■ -Z	LE112MB4S	3.00	19.10	38.20	89.70	IE4	1.3	2.0	92.00	34.00
2KJ8	■■■■ -4LN ■■■ -0A ■■■ -Z	LE112MC4S	4.00	25.46	50.92	90.60	IE4	1.3	2.0	114.00	39.00
Control range 1:10 / Motor speed range 300 ... 3000 rpm											
<i>Motor type asynchronous motors IE3</i>											
2KJ8	■■■■ -2CG ■■■ -1A ■■■ -Z	LE71MB4P	0.55	1.75	3.50	79.50	IE3	1.3	2.0	13.00	9.00
2KJ8	■■■■ -2EB ■■■ -1A ■■■ -Z	LE80MA4P	0.75	2.36	4.72	82.40	IE3	1.3	2.0	29.00	11.00
2KJ8	■■■■ -2EG ■■■ -1A ■■■ -Z	LE80MB4P	1.10	3.50	7.00	84.00	IE3	1.3	2.0	29.00	14.00
2KJ8	■■■■ -2GB ■■■ -1A ■■■ -Z	LE90S4P	1.50	4.77	9.54	84.20	IE3	1.3	2.0	36.00	16.00
2KJ8	■■■■ -2GG ■■■ -1A ■■■ -Z	LE90L4P	2.20	7.00	14.00	86.90	IE3	1.3	2.0	49.00	19.00
2KJ8	■■■■ -2JB ■■■ -1A ■■■ -Z	LE100LA4P	3.00	9.55	19.10	87.10	IE3	1.3	2.0	140.00	25.00
2KJ8	■■■■ -2JG ■■■ -1A ■■■ -Z	LE100LB4P	4.00	12.73	25.46	88.70	IE3	1.3	2.0	140.00	30.00
2KJ8	■■■■ -2LB ■■■ -1A ■■■ -Z	LE112MC4P	5.50	17.50	35.00	88.10	IE3	1.3	2.0	170.00	34.00
2KJ8	■■■■ -2NB ■■■ -1A ■■■ -Z	LE132S4P	7.50	23.87	47.74	89.50	IE3	1.3	2.0	355.00	61.00
<i>Motor type synchronous reluctance motors IE4</i>											
2KJ8	■■■■ -4EC ■■■ -1A ■■■ -Z	LE80MA4S	0.75	2.36	4.72	84.30	IE4	1.3	2.0	20.00	12.00
2KJ8	■■■■ -4EH ■■■ -1A ■■■ -Z	LE80MB4S	1.10	3.50	7.00	87.30	IE4	1.3	2.0	26.00	15.00
2KJ8	■■■■ -4GC ■■■ -1A ■■■ -Z	LE90S4S	1.50	4.77	9.54	87.00	IE4	1.3	2.0	34.00	18.00
2KJ8	■■■■ -4GH ■■■ -1A ■■■ -Z	LE100LA4S	2.20	7.00	14.00	89.00	IE4	1.3	2.0	43.00	22.00
2KJ8	■■■■ -4LC ■■■ -1A ■■■ -Z	LE112MA4S	3.00	9.55	19.10	89.40	IE4	1.3	2.0	92.00	34.00
2KJ8	■■■■ -4LH ■■■ -1A ■■■ -Z	LE112MB4S	4.00	12.73	25.46	90.50	IE4	1.3	2.0	92.00	34.00
2KJ8	■■■■ -4LN ■■■ -1A ■■■ -Z	LE112MC4S	5.50	17.50	35.00	91.50	IE4	1.3	2.0	114.00	39.00
Control range 1:8,7 / Motor speed range 300 ... 2610 rpm											
<i>Motor type asynchronous motors IE3</i>											
2KJ8	■■■■ -2CG ■■■ -2A ■■■ -Z	LE71MB4P	0.64	2.36	4.72	80.90	IE3	1.3	2.0	13.00	9.00
2KJ8	■■■■ -2EB ■■■ -2A ■■■ -Z	LE80MA4P	0.95	3.50	7.00	84.30	IE3	1.3	2.0	29.00	11.00
2KJ8	■■■■ -2EG ■■■ -2A ■■■ -Z	LE80MB4P	1.30	4.77	9.54	84.80	IE3	1.3	2.0	29.00	14.00
2KJ8	■■■■ -2GB ■■■ -2A ■■■ -Z	LE90S4P	1.90	7.00	14.00	85.70	IE3	1.3	2.0	36.00	16.00
2KJ8	■■■■ -2GG ■■■ -2A ■■■ -Z	LE90L4P	2.60	9.55	19.10	86.30	IE3	1.3	2.0	49.00	19.00
2KJ8	■■■■ -2JB ■■■ -2A ■■■ -Z	LE100LA4P	3.81	14.00	28.00	88.00	IE3	1.3	2.0	140.00	25.00
2KJ8	■■■■ -2JG ■■■ -2A ■■■ -Z	LE100LB4P	5.20	19.10	38.20	88.30	IE3	1.3	2.0	140.00	30.00
2KJ8	■■■■ -2LB ■■■ -2A ■■■ -Z	LE112MC4P	6.93	25.46	50.92	88.80	IE3	1.3	2.0	170.00	34.00
<i>Motor type synchronous reluctance motors IE4</i>											
2KJ8	■■■■ -4EC ■■■ -2A ■■■ -Z	LE80MA4S	0.95	3.50	7.00	85.40	IE4	1.3	2.0	20.00	12.00
2KJ8	■■■■ -4EH ■■■ -2A ■■■ -Z	LE80MB4S	1.30	4.77	9.54	87.80	IE4	1.3	2.0	26.00	15.00
2KJ8	■■■■ -4GC ■■■ -2A ■■■ -Z	LE90S4S	1.90	7.00	14.00	88.30	IE4	1.3	2.0	34.00	18.00
2KJ8	■■■■ -4GH ■■■ -2A ■■■ -Z	LE90L4S	2.60	9.55	19.10	89.00	IE4	1.3	2.0	43.00	22.00
2KJ8	■■■■ -4LC ■■■ -2A ■■■ -Z	LE112MA4S	3.81	14.00	28.00	90.80	IE4	1.3	2.0	92.00	34.00
2KJ8	■■■■ -4LH ■■■ -2A ■■■ -Z	LE112MB4S	5.20	19.10	38.20	91.10	IE4	1.3	2.0	92.00	34.00
2KJ8	■■■■ -4LN ■■■ -2A ■■■ -Z	LE112MC4S	6.93	25.46	50.92	91.90	IE4	1.3	2.0	114.00	39.00

Additional

order options

4



4 Additional order options

4/2 Converter options

- 4/2 Position of the connection sides
- 4/3 Connection types

4/4 Motor options

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- 4/4 Motor protection
- 4/4 Cooling and ventilation
- 4/5 Windings and insulation
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- 4/14 Canopy
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- 4/15 Condensation drain hole
- 4/15 Increased corrosion protection for mounted motor components

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- Mounting types
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4/30 General options

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- 4/30 Surface treatment
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- 4/35 Documentation
- 4/35 Extension of the liability for defects
- 4/36 Packaging options

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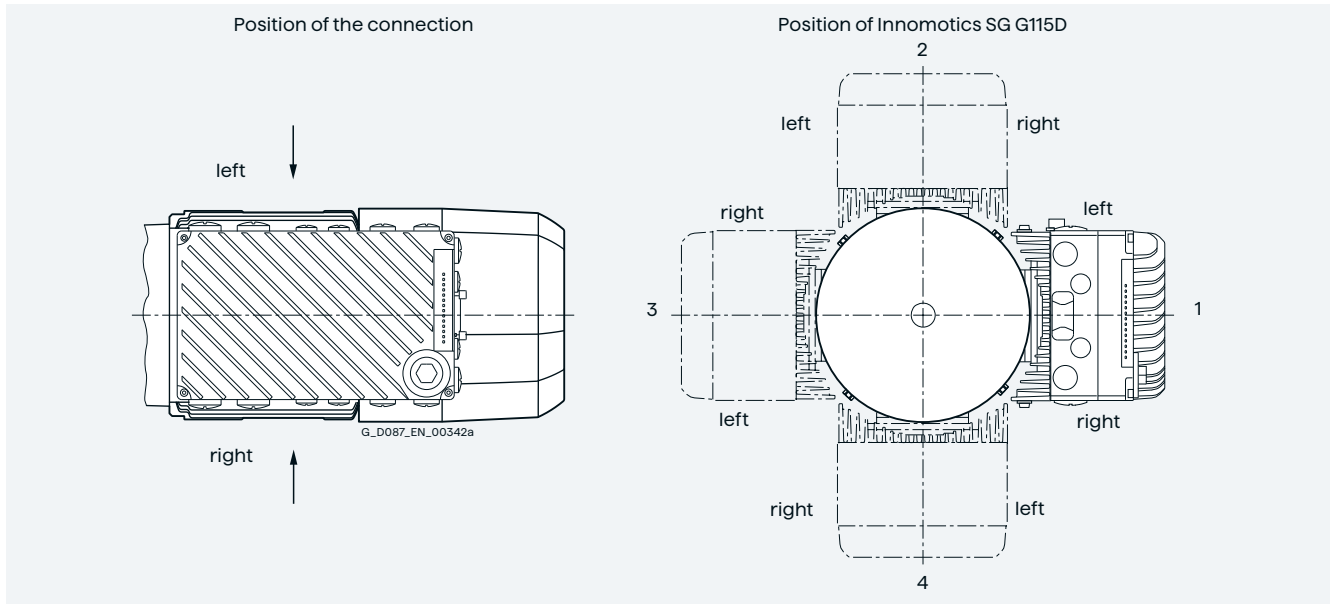
Additional order options

Position of the connection sides

The Innomotics SG G115D distributed drive system can be attached in four different positions. The connection sides left or right are available for the connection types of the converter. Configuration of the converter connection type (Order codes **V01** to **V82**).

The position of the connection sides left or right must always be viewed from the drive end (DE) of the motor.

Position of the Innomotics SG G115D distributed drive system	Additional identification code -Z with order code	Order code
1	2KJ8...-...-Z	M55
2		M59
3		M63
4		M67



Location and position of the Innomotics SG G115D distributed drive system

The Innomotics SG G115D distributed drive system must not be selected in the same position as that of the output side of the gearbox.

The following positions can be selected:

Possible position							
Gearbox type and size	Output side	Motor frame size					
		71	80	90	90	100	112
		Converter size					
		FSA	FSA	FSA	FSB	FSB	FSB
Helical geared motor 2 and 3-stage							
<i>Foot-mounted and housing flange design</i>							
Z./D.19 ... 39	-	No restrictions					
Z./D.49 ... 69	-	123	123	1234	1234	1234	1234
Z./D.79	-	123	1234	1234	1234	1234	1234
Z./D.89	-	2	1234	1234	1234	1234	1234
<i>Flange-mounted design</i>							
ZF/DF19 ... 89	-	No restrictions					
Helical geared motor 1-stage							
E.39 ... 89	-	No restrictions					
Parallel shaft geared motor 2 and 3-stage							
FZ./FD.29 ... 89	-	123	123	123	123	123	123
Bevel geared motor 2-stage							
B.19 ... 49	A	234	234	234	234	234	234

Possible position							
Gearbox type and size	Output side	Motor frame size					
		71	80	90	90	100	112
		Converter size					
		FSA	FSA	FSA	FSB	FSB	FSB
Bevel geared motor 3-stage							
<i>Foot-mounted, housing flange and shaft-mounted design</i>							
K.39	A	234	234	234	234	234	234
	B	124	124	124	124	124	124
K.49	A	234	234	234	234	23	234
	B	124	124	124	124	12	124
K.69 ... 89	A	234	234	234	234	234	234
	B	124	124	124	124	124	124
K.109	A	234	234	234	234	234	234
	B	124	124	124	124	124	124
<i>Flange-mounted design</i>							
KF39 ... 89	A	234	234	234	234	234	234
	B	124	124	124	124	124	124
KF109	A	234	234	234	234	234	234
	B	124	124	124	124	124	124
Helical worm geared motor 2-stage							
C.29 ... 89	A	234	234	234	234	234	234
	B	124	124	124	124	124	124

Connection types

Various connection types as well as connection sides can be selected for the respective fieldbus communications of the converter, as shown in the following table.

Connection types	Fieldbus communication	I/O	380 ... 480 V AC	24 V DC	Connection side (from the point of view of the motor shaft)	14th position of the Article No. 2KJ8 ... -Z	Additional identification code -Z with order code	Order code						
Without fieldbus communication (I/O Control)														
Cable gland with daisy chain	without	Cable gland			left	2KJ8 ... -Z	B ..	V01						
					right ²⁾	2KJ8 ... -Z	B ..	V06						
					M12	Cable gland	left	2KJ8 ... -Z	B ..	V04				
							right	2KJ8 ... -Z	B ..	V05				
		Cable gland	2 x Power M12	left	2KJ8 ... -Z	B ..	V07							
				right	2KJ8 ... -Z	B ..	V08							
				Plug-in connection without daisy chain	without	M12	Q4/2	7/8"	left	2KJ8 ... -Z	C ..	V10		
									right	2KJ8 ... -Z	C ..	V11		
Power M12	left	2KJ8 ... -Z	C ..	V12										
	right	2KJ8 ... -Z	C ..	V13										
Quickon ¹⁾	Power M12	left	2KJ8 ... -Z	C ..	V14									
		right	2KJ8 ... -Z	C ..	V15									
		MQ15 ¹⁾	Power M12	left	2KJ8 ... -Z	C ..	V16							
				right	2KJ8 ... -Z	C ..	V17							
Plug-in connection with daisy chain	without	M12	2 x Q4/2	2 x 7/8"	left	2KJ8 ... -Z	C ..	V20						
					right	2KJ8 ... -Z	C ..	V21						
					2 x Power M12	left	2KJ8 ... -Z	C ..	V22					
			right	2KJ8 ... -Z		C ..	V23							
			AS-Interface											
			Cable gland with daisy chain	M12	Cable gland		- ³⁾	left	2KJ8 ... -Z	D ..	V02			
right	2KJ8 ... -Z	D ..						V03						
M12	Cable gland	left			2KJ8 ... -Z			D ..	V04					
		right			2KJ8 ... -Z			D ..	V05					
Plug-in connection without daisy chain	M12	M12	Q4/2	- ³⁾	left	2KJ8 ... -Z	E ..	V10						
					right	2KJ8 ... -Z	E ..	V11						
			Quickon ¹⁾		left	2KJ8 ... -Z	E ..	V14						
					right	2KJ8 ... -Z	E ..	V15						
			MQ15 ¹⁾		- ³⁾	left	2KJ8 ... -Z	E ..	V16					
						right	2KJ8 ... -Z	E ..	V17					
Plug-in connection with daisy chain	M12	M12	2 x Q4/2	- ³⁾	left	2KJ8 ... -Z	E ..	V20						
					right	2KJ8 ... -Z	E ..	V21						
PROFINET, EtherNet/IP														
Cable gland with daisy chain	M12	Cable gland			left	2KJ8 ... -Z	F ..	V02						
					right	2KJ8 ... -Z	F ..	V03						
					M12	Cable gland	left	2KJ8 ... -Z	F ..	V04				
							right	2KJ8 ... -Z	F ..	V05				
		Cable gland			2 x Power M12	left	2KJ8 ... -Z	F ..	V07					
						right	2KJ8 ... -Z	F ..	V08					
						Plug-in connection without daisy chain	M12	M12	Q4/2	7/8"	left	2KJ8 ... -Z	G ..	V10
											right	2KJ8 ... -Z	G ..	V11
Power M12	left	2KJ8 ... -Z	G ..	V12										
	right	2KJ8 ... -Z	G ..	V13										
Quickon ¹⁾	Power M12	left	2KJ8 ... -Z	G ..	V14									
		right	2KJ8 ... -Z	G ..	V15									
		MQ15 ¹⁾	Power M12	left	2KJ8 ... -Z	G ..	V16							
				right	2KJ8 ... -Z	G ..	V17							
Plug-in connection with daisy chain	M12	M12	2 x Q4/2	2 x 7/8"	left	2KJ8 ... -Z	G ..	V20						
					right	2KJ8 ... -Z	G ..	V21						
					2 x Power M12	left	2KJ8 ... -Z	G ..	V22					
			right			2KJ8 ... -Z	G ..	V23						
			Power supply											
			Integrated power supply unit for 24 V DC power supply						2KJ8 ... -Z	..	V70			
24 V DC power supplies jumpered for DIO 24/25						2KJ8 ... -Z	..	V71						

¹⁾ Not suitable for UL application.

²⁾ The cable gland with daisy chain with the connection side to the right (order code **V06**) can only be selected with an integrated power supply unit for a 24 V DC power supply (order code **V70**).

³⁾ The 24 V DC power supply is established via the M12 plug-in connector for the fieldbus communication.

Additional order options

Electrical design

Motor protection

Pt1000 resistance thermometer

The resistance thermometer has a chip for a temperature sensor, the resistance of which changes in relation to temperature according to a series of reproducible basic values. The changes in resistance are transferred as changes in current. At 0 °C, the measurement resistances are adjusted to 1000 Ω for the Pt1000, and correspond to the accuracy class B (i.e. the relationship between resistance and temperature). The limit deviation is ±0,3 °C, and the admissible deviations are defined in EN 60751.

Pure metals undergo larger changes in resistance than alloys and have relatively constant temperature coefficients.

Temperatures for alarm and tripping can be set as required when using converters from Siemens that determine the motor temperature in accordance with the measuring principle described above. With these devices, the measured signal is evaluated directly in the converter.

4

Motor protection	11th position of the Article No.
Without motor protection	2KJ8 0 -Z
Pt1000 resistance thermometer	1

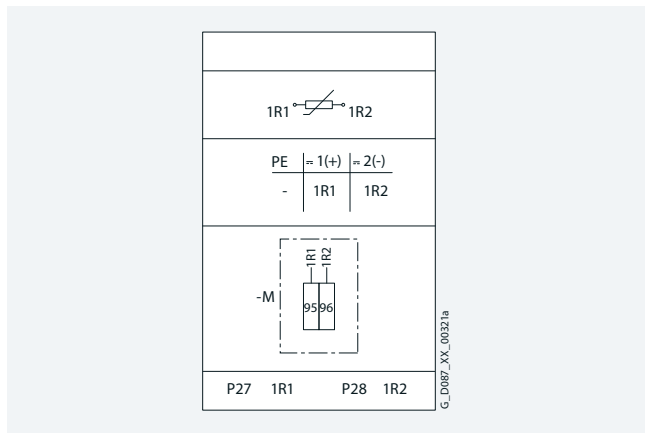
Degrees of protection

Note:

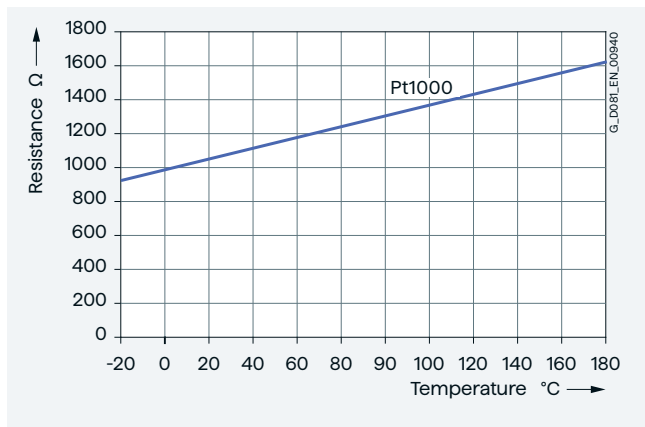
The degree of protection only applies to the electrical equipment (motor, brake). Depending on the application area, the applicable measures must be applied to the gearbox.

Available degrees of protection

Degree of protection	Additional identification code -Z with order code	Order code
IP55	2KJ8 -Z	K01
IP65 (No restrictions)		K03



Connection circuit diagram



Pt1000 resistance thermometer characteristic

Cooling and ventilation

Ventilation

The motors have radial-flow fans, which cool regardless of the direction of rotation of the motor (cooling method IC 411, IEC 60034-6). The air flows from the non-drive end (NDE) to the drive end (DE).

The motor fan can either be a standard fan or metal fan.

Note:

Standard fans made of plastic are not suitable for ambient temperatures under -25 °C. At lower temperatures, a metal fan (option **M21**) must be used.

Standard fan

As standard, the motors are equipped with a plastic fan. This can be used for the entire standard ambient temperature range.

Metal fan

As an alternative to the standard plastic fans, aluminum fans are available for the motors.

Metal fans are used for specific environmental conditions, e.g.:

- _ If there are solid or dirt particles, such as wood chips, textile fibers in the cooling air
- _ Special motor designs for increased ambient temperatures exceeding +60 °C
- _ At temperatures below -25 °C

Ventilation	Additional identification code -Z with order code	
	2KJ8 ... - ... - ... -Z	Order code
Metal fan		M21

Windings and insulation

Increased air humidity/temperature with 30 to 60 g water per m³ of air

The motors in the standard range are designed for up to 30 g water per m³. A design for increased air humidity in the range between 30 and 60 g water per m³ of air as a function of the temperature is possible, as shown in the following table.

Relative humidity	Temperature						
	+20 °C	+30 °C	+40 °C	+50 °C	+60 °C	+70 °C	+80 °C
10 %	2	3	5	8	13	20	29
15 %	3	5	8	12	19	30	44
20 %	3	6	10	17	26	39	58
25 %	4	8	13	21	32	49	
30 %	5	9	15	25	39	59	
35 %	6	11	18	29	45		
40 %	7	12	20	33	52		
45 %	8	14	23	38	58		
50 %	9	15	26	41			
55 %	10	17	28	46			
60 %	10	19	31	50			
65 %	11	20	33	54			
70 %	12	21	36	58			
75 %	13	23	38				
80 %	14	24	41				
85 %	15	26	43				
90 %	16	27	46				
95 %	16	29	49				

Increased air humidity/temperature with 30 to 60 g water per m³ of air

Windings and insulation	Additional identification code -Z with order code	
	2KJ8 ... - ... - ... -Z	Order code
Increased air humidity/temperature with 30 to 60 g water per m ³ of air		N54

Additional order options

Mechanical design - Order option only for geared motos without converter

Connection, circuit and terminal boxes

Location and position of the terminal box

The terminal box of the motor can be mounted in four different locations or positions. The position of the terminal box is always when viewing the drive end (DE) of the motor.

The standard position of the terminal box is on the right-hand side, with the cable entry from below (1A).

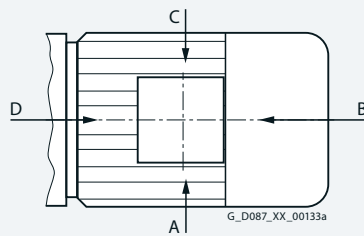
The terminal box is always located at the non-drive end (NDE) of the motor.

Selection data, cable entry

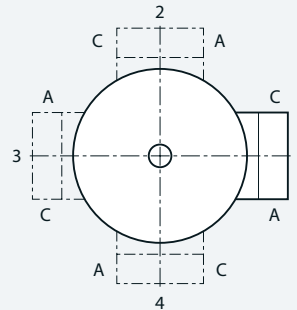
Terminal box position	Position of the cable entry	Additional identification code -Z with order code	Order code
Motor	LE71 ... 132	2KJ8 ... -Z	
1	A		M55
	B		M56
	C		M57
	D		M58
2	A		M59
	B		M60
	C		M61
	D		M62
3	A		M63
	B		M64
	C		M65
	D		M66
4	A		M67
	B		M68
	C		M69
	D		M70

4

Position of the cable entry



Terminal box position (when viewing DE)



Terminal box position and cable entry

Motor connection

Three-phase AC motors are connected to the three phase conductors L1, L2, and L3 of the converter.

When the three phases operate in sequence and are connected to the terminals of the motor in alphabetical order

U1, V1 and W1, the motor rotates clockwise when viewing the DE motor shaft.

The direction of rotation of the motor can be reversed if two connecting cables are interchanged. Labeled terminals are provided to connect the protective conductor.

The connections for a brake or thermal motor protection are also located in the terminal box.

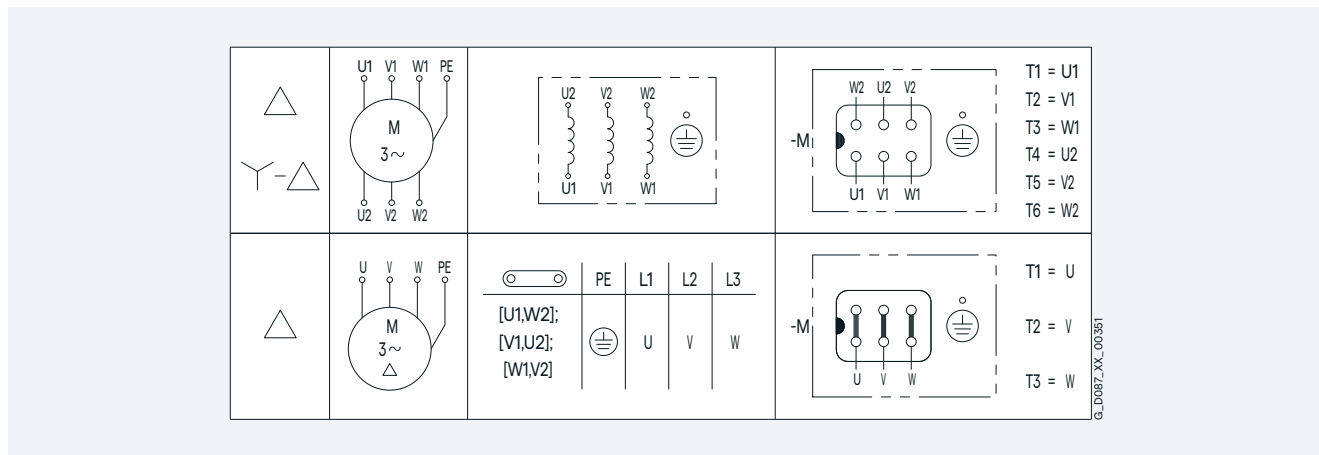
Note:

Different terminal box sizes are used depending on the connections required.

Additional notes see "Terminal box type" on page 4/8.

Connection, circuit and terminal boxes

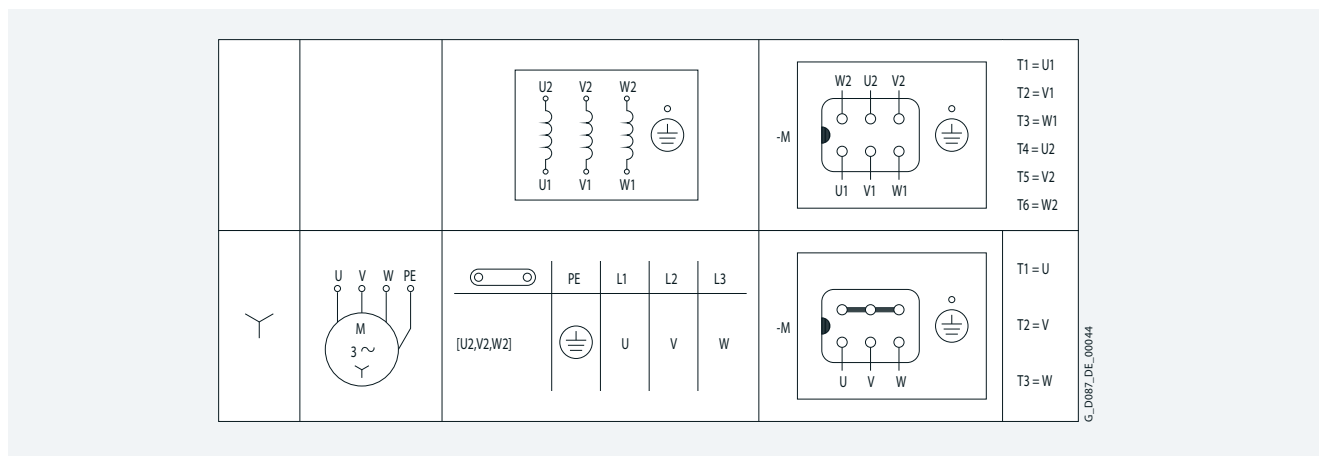
Motor connection Δ/Y



Connection circuit diagram, motor connection Δ/Y

- ① Motor connection
- ② Circuit diagram symbols
- ③ Winding arrangement in the motor
- ④ Comparison:
Terminal designation acc. to NEMA MG1/acc. to IEC 60034-8
- ⑤ Location of the jumpers on the terminal board and juxtaposition of the line connection with the motor connection

Motor connection Y



Connection circuit diagram, motor connection Y

Additional order options

Mechanical design - Order option only for geared motos without converter

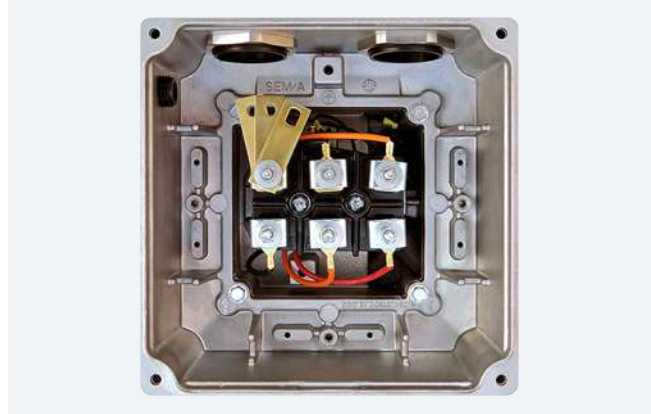
Connection, circuit and terminal boxes

Terminal box type

The terminal box contains all the electrical connections that are installed in the motor. Different terminal box sizes are used depending on the connections required..



Terminal box type gk030, TB1E00, TB1F00, TB1H00



Terminal box type gk127, TB1E10, TB1F10, TB1H10

Cable entry metric

Motor frame size	Brake	Terminal box type	
		Terminal box type	Cable entry metric
71	without	gk030	1 x M25 x 1.5 +
	with	gk127	1 x M20 x 1.5
80 ... 90	without	TB1E100	
	with	TB1E10	
100... 112	without	TB1F00	2 x M32 x 1.5
	with	TB1F10	
132	without	TB1H00	
	with	TB1H10	

External grounding

Maximum conductor connection for external grounding

Motor frame size	Thread size
71... 90	M4
100... 112	M5
132	M6

Additional order options

Mechanical design - Order option only for geared motos without converter

Motor plug

The motor connection (star or delta connection) depends on the choice of the control range:

- _ Control range 1:5 Y-connection
- _ Control range 1:8.7 D-connection
- _ Control range 1:10 D-connection

The specified motor connection is carried out by the customer in the mating connector. The motor plug is supplied ready for use, and replaces the terminal box with terminal board.

The motor plug is supplied in EMC design as standard.

In the basic design, the motor plug connection is in position B, see page 4/6. The dimensions depend on the motor frame size.

Particularly in cases where a brake with a manual release lever is used in the direction of the non-drive end (NDE), a check must be made to ensure that the motor plug does not collide with the manual release lever in the direction of the drive end (DE).

HAN 10E motor plug (Type 1 acc. to ISO 23570-3)

The motor plug is compatible with the products from the ECOFAST field device system. It is available for motor frame sizes 71 to 132 and can be used for line voltages at the motor plug ≤ 500 V and rated currents ≤ 16 A.

The motor plug can be used in the ambient temperature range from -40 up to $+60$ °C. A special design is required for higher temperatures.

The Y or D connection must be carried out by the customer.

The main advantages of a motor plug over a terminal box with terminals are as follows:

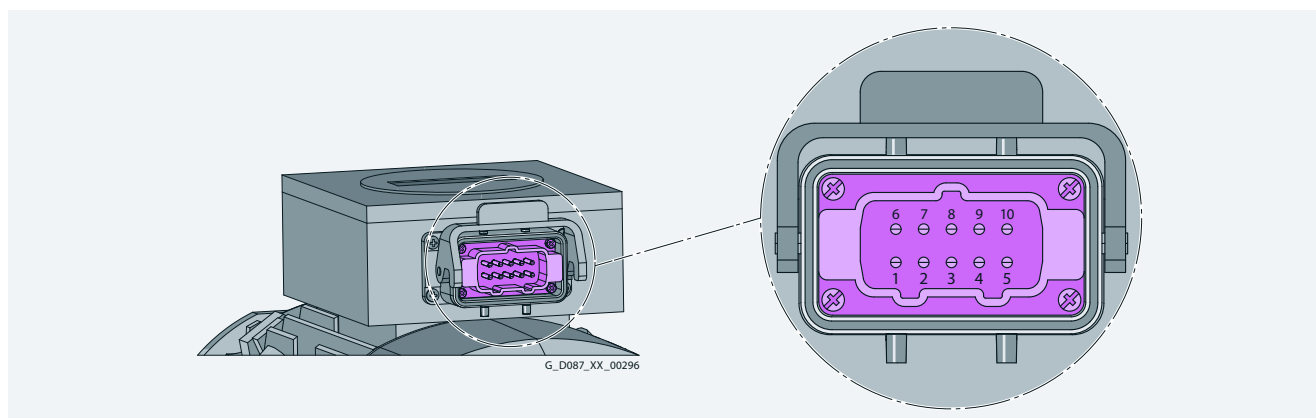
- _ Quick installation
- _ Reduction of installation and repair times for end users
- _ No wiring errors as a result of the plug system
- _ Replacement of a geared motor without having to make any intervention in the electronics

The winding connections and, optionally, the power supply for the brake and the signal cables for the temperature sensors are connected in the plug housing.

Technical specifications

Number of contacts	10 + Ⓞ
Max. voltage	500 V
Max. current load per PIN	16 A
Specifications	CE, UKCA, EAC, cUL-Rus
Degree of protection	IP65

Motor plug	Additional identification code -Z with order code	
	2KJ8 ... - ... - ... -Z	Order code
HAN 10E motor plug (2 brackets) EMC		N01
HAN 10E motor plug (1 bracket) EMC		N06
HAN 10E counter plug		N18



HAN 10E motor plug with pin assignments

Connection assignment

PIN	1	2	3	4	5	6	7	8	9	10	PE
Connection	U1	V1	W1	Brake	Brake	W2	U2	V2	Temperature-dependent winding protection		Protective conductor

Motor options

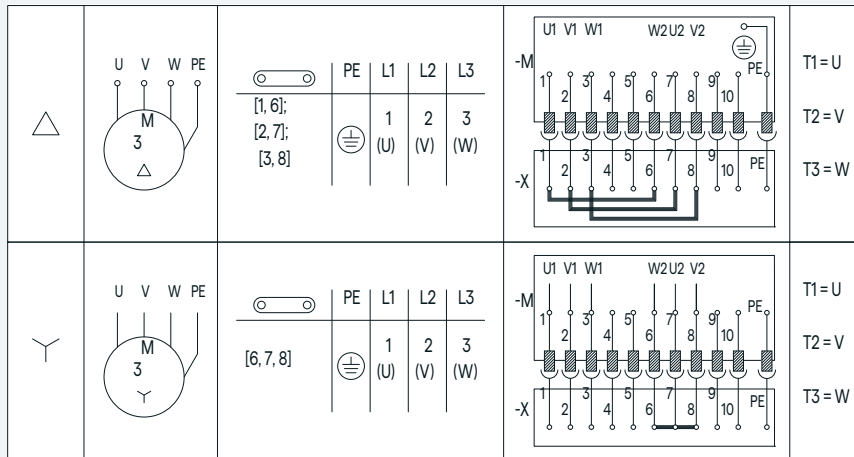
Additional order options

Mechanical design - Order option only for geared motos without converter

Motor plug

HAN 10E motor plug (Type 1 acc. to ISO 23570-3)

4



G_LD087_XX_00336

Connection circuit diagram for motor winding

Brake

Design and principle of operation

The spring-loaded brakes have two friction surfaces. When the brake is in a zero current state, a braking torque is generated using several springs..

The brake is released electromagnetically. When the motor brakes, the rotor, which can be axially shifted on the hub or the shaft, is pressed via the armature disk against the friction surface by means of the springs. In the braked state, there is a gap between the armature disk and the solenoid component.

To release the brake, the solenoid is energized with DC voltage. The resulting magnetic force attracts the armature disk onto the solenoid component against the spring force.

The spring force is then no longer applied to the rotor, which can now rotate freely.

Note:

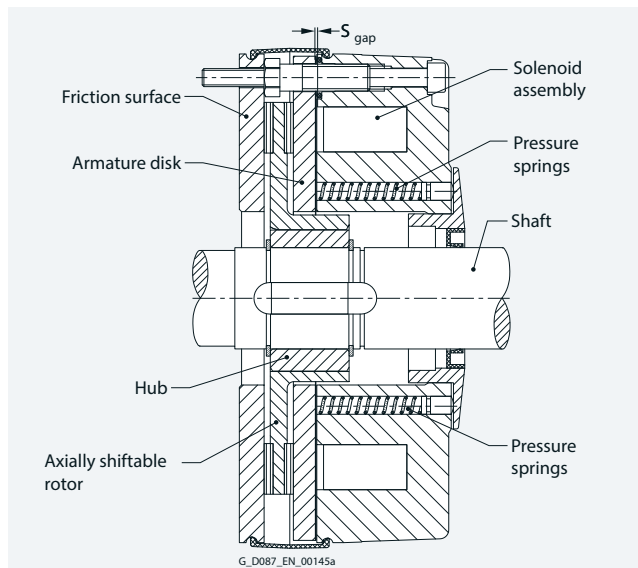
The standard design brakes are not suitable for ambient temperatures below -20 °C. Increased corrosion protection is used, when the motor is used at ambient temperatures of below -20 °C.

For ambient temperatures higher than 45 °C, the brakes must be considered in detail.

The following reduction of the max. permissible duty cycle must be observed during increased ambient temperatures:

Ambient temperature	Max. permissible duty cycle based on 10 min.
-30 °C ... +40 °C	100 %
+55 °C	75 %

You will find the configuring notes for the permissible duty cycle on page 1/20.



Brake

Selecting the brake

Brake assignment

2KJ8... Frame size	Motor type	Rated motor power kW			DC 180 V brake with reduced braking torque		DC 180 V brake with standard braking torque		DC 180 V brake with increased braking torque		Article No.
		Control range	1:5	1:8,7	1:10	-...2-...-Z Control range	-...2-...-Z Control range	-...1-...-Z Control range	-...3-...-Z Control range	-...3-...-Z Control range	
Asynchronous motor											
71	LE71MB4P	0.37	0.64	0.55	L4/2	L4/1,4	L4/4	L4/3	L8/5	L4/4	2KJ8...-2CG. ■ -...-Z
80	LE80MA4P	0.55	0.95	0.75	L4/3	L4/2	L8/5	L4	L8	L8/5	2KJ8...-2EB. ■ -...-Z
	LE80MB4P	0.75	1.3	1.1	L4	L4/3	L8/8	L8/5	L16/10	L8	2KJ8...-2EG. ■ -...-Z
90	LE90S4P	1.1	1.9	1.5	L8/5	L8/4	L16/10	L8	L16	L16/10	2KJ8...-2GB. ■ -...-Z
	LE90L4P	1.5	2.6	2.2	L8	L8/5	L16	L16/10	L16/20	L16/13	2KJ8...-2GG. ■ -...-Z
100	LE100LA4P	2.2	3.81	3	L16/10	L16/8	L16/20	L16/13	L32	L16/20	2KJ8...-2JB. ■ -...-Z
	LE100LB4P	3	5.2	4	L16	L16/10	L32	L16/20	L32/40	L32	2KJ8...-2JG. ■ -...-Z
112	LE112MC4P	4	6.93	5.5	L32/23	L32/14	L32/40	L32	L60/50	L32/40	2KJ8...-2LB. ■ -...-Z
132	LE132S4P	5.5	-	7.5	L80/25	L80/25	L80/50	L80/35	L80/63	L80/50	2KJ8...-2NB. ■ -...-Z
	LE132M4P	7.5	-	-	L80/35	-	L80/63	-	L80/100	-	2KJ8...-2NG. ■ -...-Z
Synchronous reluctance motor											
80	LE80MA4S	0.55	0.95	0.75	L4/3	L4/2	L8/5	L4/4	L8/8	L8/5	2KJ8...-4EC. ■ -...-Z
	LE80MB4S	0.75	1.3	1.1	L4	L4/3	L8	L8/5	L16/10	L8	2KJ8...-4EH. ■ -...-Z
90	LE90S4S	1.1	1.9	1.5	L8/5	L8/4	L16/10	L8/8	L16	L16/10	2KJ8...-4GC. ■ -...-Z
	LE90L4S	1.5	2.6	2.2	L8	L8/5	L16	L16/10	L16/20	L16/13	2KJ8...-4GH. ■ -...-Z
112	LE112MA4S	2.2	3.81	3	L32/14	-	L32/23	L32/14	L32	L32/23	2KJ8...-4LC. ■ -...-Z
	LE112MB4S	3	5.2	4	L32/18	L32/14	L32	L32/18	L32/40	L32	2KJ8...-4LH. ■ -...-Z
	LE112MC4S	4	6.93	5.5	L32/23	L32/14	L32/40	L32	L60/50	L32/40	2KJ8...-4LN. ■ -...-Z

Additional order options

Mounted components

Brake

Brake options

Manual brake release

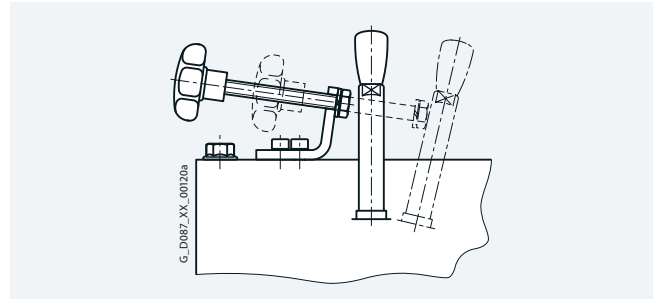
The brakes can be supplied with a manual brake release lever. The manual brake release lever can be used to release the brake at zero current. When the brake has been released, the motor shaft can rotate freely in order to bring the output shaft to a certain position or for use as an emergency release in the event of a power failure, for example.

The manual brake release lever can be fixed in the released position using an additional locking mechanism mounted on the brake.

The manual brake release lever can be mounted in various positions. The position of the manual brake release lever relates to the standard design of the motor. The standard position is „2“.

Note:

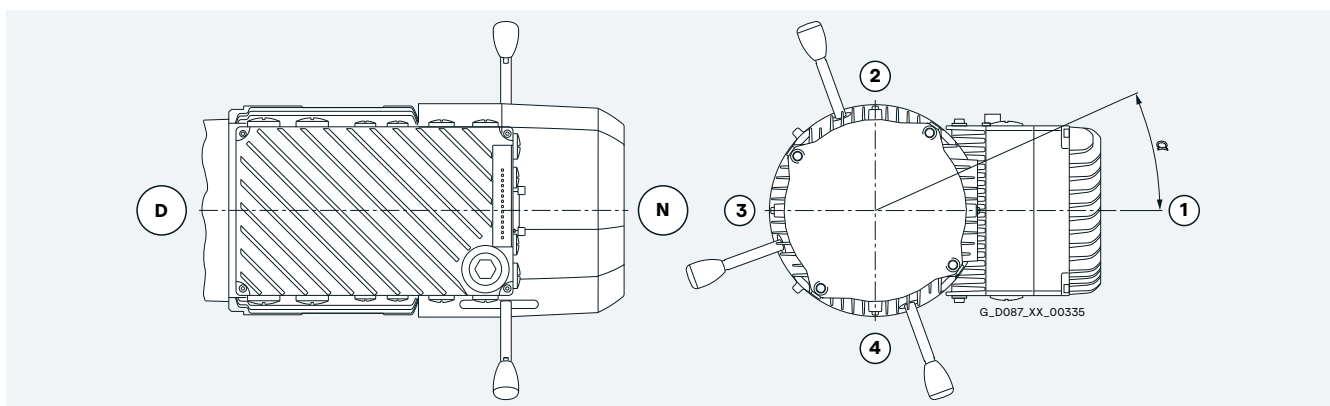
Terminal box and manual brake release lever with locking mechanism must not be in the same position.



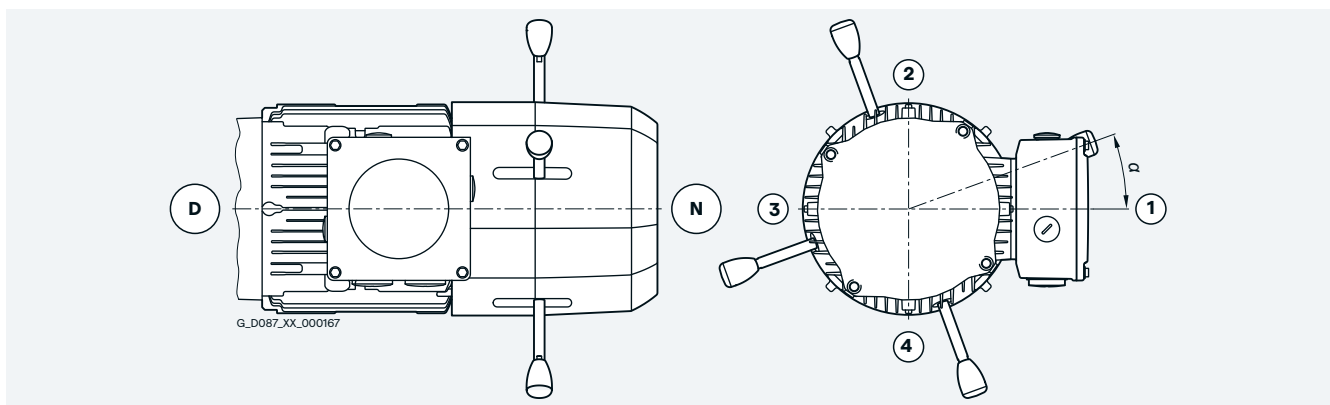
Example of manual brake release lever with locking mechanism for brake

4

Brake options	Additional identification code -Z with order code	Order code
Manual brake release lever	2KJ8...-...-Z	C02
Manual brake release lever with locking mechanism		C03



Manual brake release lever position with Innomotics SG G115D

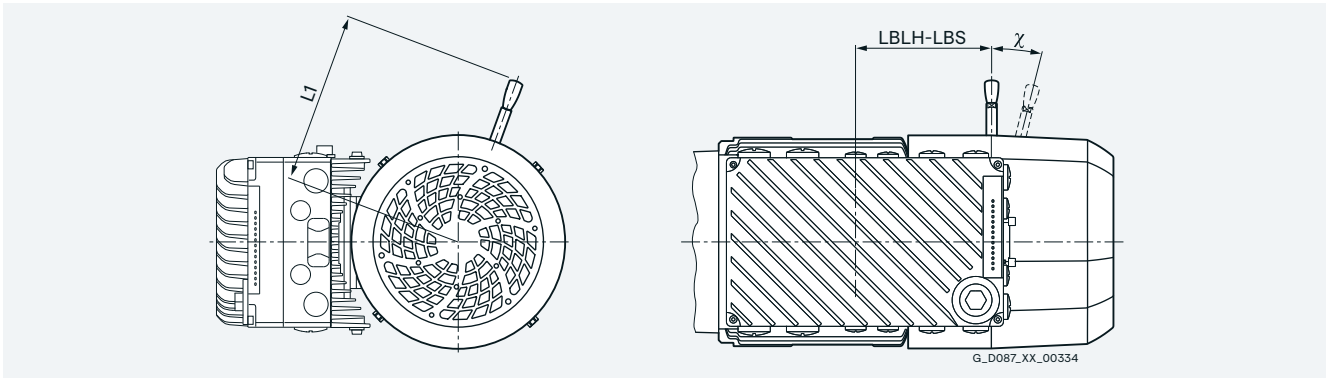


Manual brake release lever position with Innomotics SG geared motor without converter

Manual brake release lever position	Motor frame size for Innomotics SG G115D								Additional identification code -Z with order code	Order code
	71	63	71	80	90	100	112	112		
	Motor frame size for Innomotics SG geared motor without converter									
	71	63	71	80	90	100	112	132		
Angle α										
1	0°	0°	10°	0°	0°	0°	0°	0°	2KJ8...-...-Z	C26
2	90°	90°	100°	90°	90°	90°	90°	90°		C27
3	180°	180°	190°	180°	180°	180°	180°	180°		C28
4	-	270°	280°	270°	270°	270°	270°	270°		C29

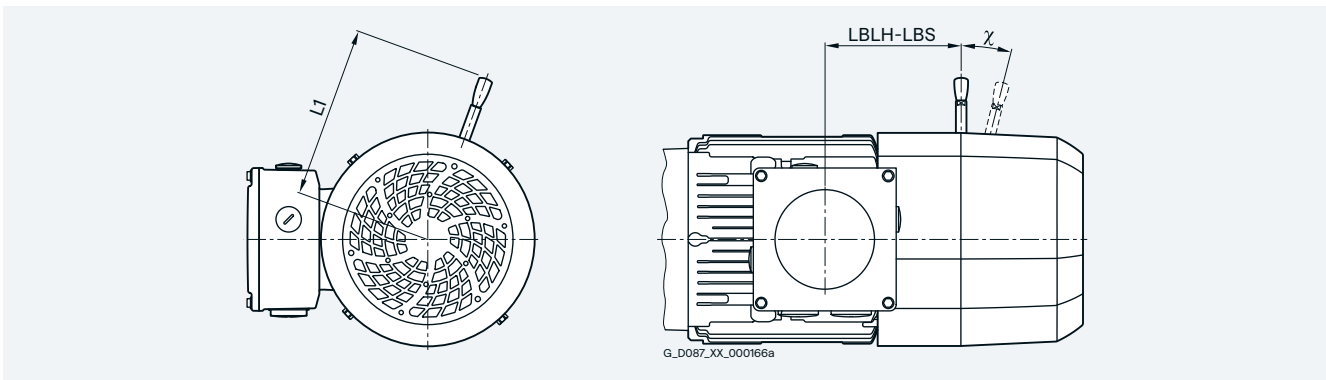
Brake

The dimensions of the manual brake release lever depend on the size.



Dimensions, manual brake release lever Innomotics SG G115D

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Dimensions, manual brake release lever Innomotics SG geared motor without converter

Motor frame size	Brake type	Terminal box position	Distance		Center of the terminal box up to the center of the manual brake release lever	Angle manual brake release lever With the brake released
			Without locking mechanism mm	With locking mechanism mm		
			L1	L1	LBLH-LBS	c
Innomotics SG G115D						
71	L4	1A, 2A, 3A, 4A	107	127	71.8	12°
80	L8	1A, 2A, 3A, 4A	116	136	97.8	10°
90	L16	1A, 2A, 3A, 4A	132	151	113.9	9°
100	L16	1A, 2A, 3A, 4A	132	151	126.9	9°
	L32	1A, 2A, 3A, 4A	161	161	128.9	10°
112	L32	1A, 2A, 3A, 4A	161	161	128.9	10°
Innomotics SG geared motor without converter						
71	L4	1A, 2A, 3A, 4A	107	127	71.8	12°
80	L8	1A, 2A, 3A, 4A	116	136	97.8	10°
90	L16	1A, 2A, 3A, 4A	132	151	113.9	9°
100	L16	1A, 2A, 3A, 4A	132	151	126.9	9°
	L32	1A, 2A, 3A, 4A	161	161	128.9	10°
112	L32	1A, 2A, 3A, 4A	161	161	128.9	10°
132	L80	1A, 2A, 3A, 4A	240	240	158.0	10°

Additional order options

Mounted components

Brake

Enclosed brake

The brakes can be supplied as enclosed brakes.

Enclosed brakes include a dust protection ring around the circumference and an integrated shaft sealing ring at the shaft outlet. This prevents the release and penetration of dust, moisture, and other pollution. Other advantages are reduced noise when applying the brake as well as, a reduced risk of the rotor freezing on the friction surfaces.

In addition, a condensation drain hole can be incorporated in the dust protection ring for the brakes.

The enclosed brake can also be shipped in combination with a manual brake release lever and a manual brake release lever with locking mechanism.

Brake options	Additional identification code -Z with order code	Order code
Enclosed brake	2KJ8...-.....-Z	C01

Reduced-noise rotor-hub connection

The brakes are supplied with a reduced-noise rotor-hub connection. This reduces rattling noise of the rotor, particularly at low speeds and in converter operation.

Technical data of the brake

The opening and closing times are calculated on the basis of the life cycle and total wear of the brake and should be taken into account when the system is configured.

Note:
Values refer to brake in its delivery state.

The values stated in parentheses are the values for new brakes calculated according to DIN VDE 0580.

Bracketype	Rated holding torque	Rated braking torque	Power consumption	Current consumption	Disconnection time	Application time ($t_1 = t_{11} + t_{12}$)			Maximum operating energy per brake operation	Entire operating energy until the maximum air gap is reached	Weight	Moment of inertia
						t_1	Response time	Rise time				
	T_{4br} +40 % Nm	T_{2br} -20 %/+20 % (at 100 rpm) Nm	at +20 °C W	$I_{br(BC)}$ at 180 VDC	t_2 Standard excitation ms	ms	t_{11} ms	t_{12} ms	W_{1max}	W_V	m	J_{br} 10 ⁻⁴ kgm ²
L4	3.2	4	20	0.112	53 (45)	28 (28)	(15)	(13)	3	36	0.85	0.15
L8/5	4	5	25	0.139	51 (35)	39 (40)	(24)	(16)	7.5	75.6	1.5	0.61
L8	6.4	8	25	0.139	71 (57)	39 (31)	(15)	(16)	7.5	64.8	1.5	0.61
L16/10	8	10	30	0.167	90 (48)	59 (58)	(35)	(23)	12	108	2.6	2
L16/13	10.4	13	30	0.167	97 (60)	53 (50)	(30)	(20)	12	108	2.6	2
L16	12.8	16	30	0.167	118 (76)	45 (47)	(28)	(19)	12	108	2.6	2
L16/20	16	20	30	0.167	123 (93)	42 (38)	(23)	(15)	12	80	2.6	2
L32/23	18.4	23	40	0.223	126 (82)	80 (75)	(40)	(35)	24	260	3.9	4.5
L32	25.6	32	40	0.223	186 (115)	66 (53)	(28)	(25)	24	212	3.9	4.5
L32/40	32	40	40	0.223	189 (140)	60 (45)	(24)	(21)	24	165	3.9	4.5
L80/50	40	50	55	0.306	178 (160)	149 (90)	(42)	(48)	36	396	8.4	15
L80/63	50.4	63	55	0.306	233 (170)	125 (72)	(34)	(38)	36	396	8.4	15
L80/25	20	25	55	0.306	150(95)	145(103)	(48)	(55)	36	396	8.4	15
L80/35	28	35	55	0.306	164(128)	147(73)	(34)	(39)	36	396	8.4	15
L80/50	40	50	55	0.306	178 (160)	147(73)	(42)	(48)	36	396	8.4	15
L80/63	50.4	63	55	0.306	233 (170)	125 (72)	(34)	(38)	36	396	8.4	15
L80/100	80	80	55	0.306	357(280)	80(49)	(24)	(25)	36	260	8.4	15

Canopy

Geared motors with a vertical mounting position (motor at the top) can also be fitted with a canopy. The canopy prevents small items from falling into the geared motor; in the case of outdoors installation, its primary function is to serve as a rain canopy.

If the motor is to be used or stored in the open air, we recommend that it is kept under additional cover to protect it from prolonged exposure to direct sunlight, rain, snow, ice, or dust.

Mounted components	Additional identification code -Z with order code	Order code
Canopy	2KJ8...-.....-Z	N22

Additional order options

Designs for special environmental conditions

Internal stator corrosion protection

For special applications, it may be necessary to apply a protective coating to the inner surfaces of the stator as well.

Designs for special environmental conditions	Additional identification code -Z with order code	Order code
Internal stator corrosion protection	2KJ8...-.....-Z	N41

Condensation drain hole

Condensation can accumulate inside the motor as the result of environmental effects. This can result in corrosion and lower clearances and creepage distances.

The condensation is drained to the outside through the condensation drain hole. Depending on the mounting position, the drain holes are located at the DE and/or NDE of the motor.

Designs for special environmental conditions	Additional identification code -Z with order code	Order code
Condensation drain hole	2KJ8...-.....-Z	N46

Note:

This order option is only available for Innomotics geared motors without inverter.

The option "condensation drain hole" can only be used for the following applications under certain conditions:

Motor	Gearbox type			Mounting position	
	D./Z.	E.	FD./FZ.	Possible	Not possible
LE71	19			M2	M1, M3, M4, M5, M6
LE71	19 ... 79	39 ... 89	29 ... 79	M4	M1, M2, M3, M5, M6
LE80	89	89	89	M2	M1, M3, M4, M5, M6
LE90 ... LE112	89	89	89	M1, M2, M3, M5, M6	M4
LE132	-				

Motor	Gearbox type			Mounting position	
	B	K	C	Possible	Not possible
LE71	19			M2	M1, M3, M4, M5, M6
LE71	19 ... 49	39 ... 89	29 ... 89	M4	M1, M2, M3, M5, M6
LE80		109		M2	M1, M3, M4, M5, M6
LE90 ... LE112				M1, M2, M3, M5, M6	M4
LE132	-				

Increased corrosion protection for mounted motor components

For motors with additional mounted components such as a brake, the "corrosion protection of mounted motor components" option can be selected for corrosivity category C3 and above. As a result, the internal surfaces of the mounted motor components as well as the fan cover are also coated from the inside..

Designs for special environmental conditions	Additional identification code -Z with order code	Order code
Increased corrosion protection for mounted motor components	2KJ8...-.....-Z	L06

Note:

This order option is only available for Innomotics geared motors without inverter.

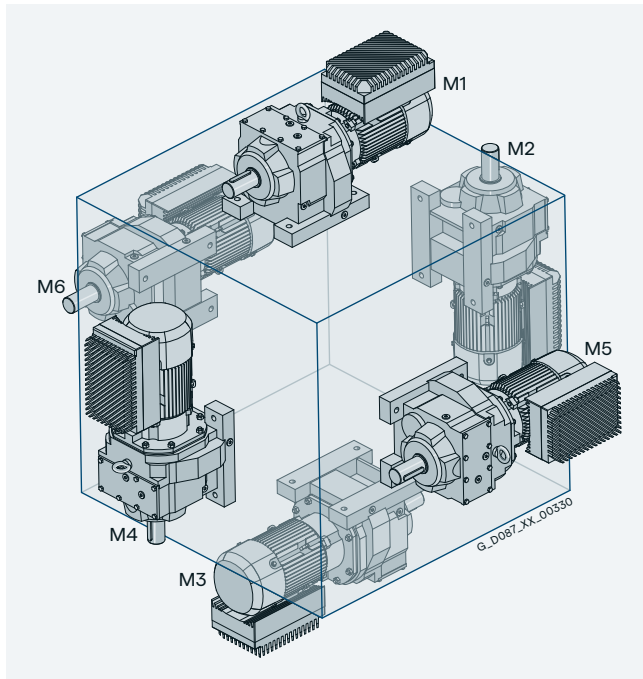
Additional order options

Mounting position

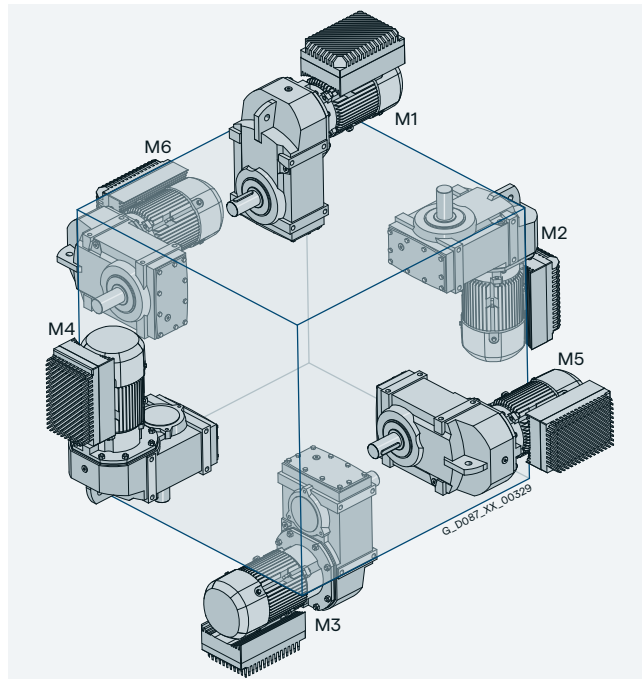
Overview

The mounting position must be specified when you place your order to ensure that the gearbox is supplied with the correct quantity of oil.

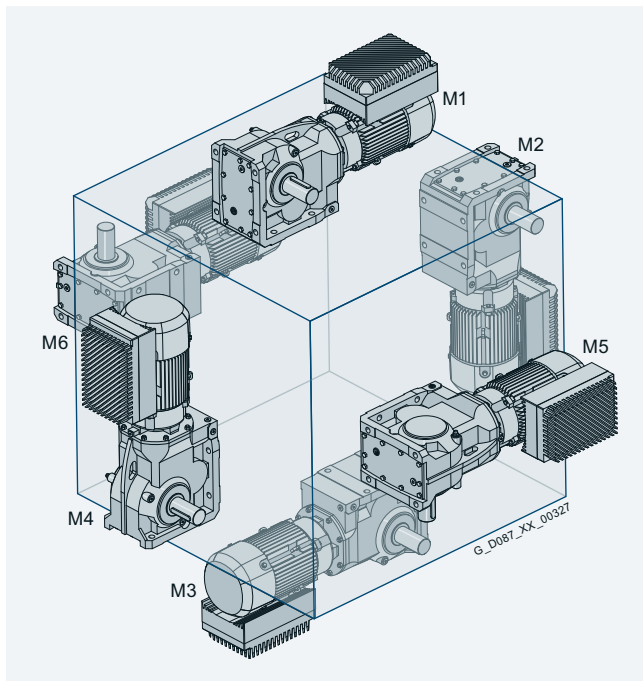
4



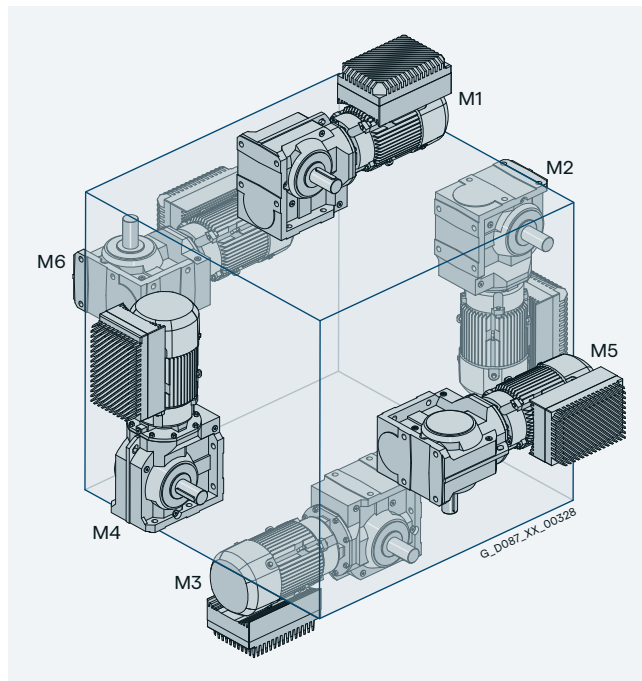
Helical geared motors



Parallel shaft geared motors



Bevel geared motors



Helical worm geared motors

Additional order options

Mounting position

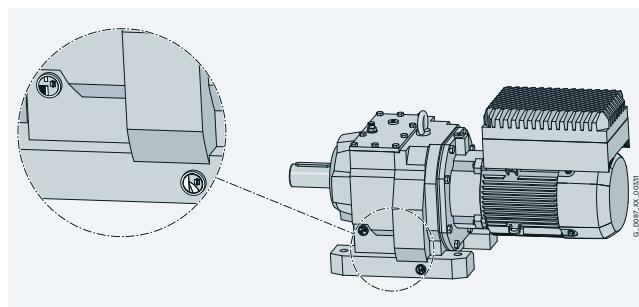
Overview

Mounting type	Mounting position	Additional identification code -Z with order code	Order code
Helical gearboxes and parallel shaft gearboxes			
Foot-mounted design	M1		D01
Flange-mounted design	M2		D02
Housing flange design	M3		D03
	M4		D04
	M5		D05
	M6		D06
Bevel gearboxes and helical worm gearboxes			
<i>Output side A</i>			
Foot-mounted design	M1-A		D11
Flange-mounted design	M2-A		D12
Housing flange design	M3-A		D13
	M4-A		D14
	M5-A		D15
	M6-A		D16
<i>Output side B</i>			
Foot-mounted design	M1-B		D21
Flange-mounted design	M2-B		D22
Housing flange design	M3-B		D23
	M4-B		D24
	M5-B		D25
	M6-B		D26

The SPC can be used to configure Innomotics SG geared motors. This can be used on the internet without requiring any installation.

The SPC can be found at the following address:
configurator.innomotics.com

For the selected mounting position, the 3D images show the exact position of the oil valves.



Dimensional drawing from SPC with details

Explanation of the symbols used to represent mounting positions

Symbol	
	Venting
	Oil drain
	Oil level checking screw

Additional order options

Mounting types

Overview

Design	Possible for						Additional identification code -Z with order code	Order code
	D, Z	E	F	B	K	C		
Foot-mounted design	✓	✓	✓	✓	✓	✓	2KJ8...-Z	-
Foot/flange-mounted design	✓ ¹⁾	-	-	-	-	-		H71
Flange-mounted design (A type)	✓	✓	✓	✓	✓	✓		H74
Housing flange (C type)	✓	✓	✓	✓	✓	✓		H76
Shaft-mounted design (torque arm)	-	-	✓	✓	✓	✓		H72

¹⁾ only for sizes 29 to 89.

Flange-mounted designs

The flange-mounted designs are available with different diameters.

Gearbox type	Flange diameter								Additional identification code -Z with order code	Order code	
	mm										
Helical gearboxes ZF 2-stage and DF 3-stage											
Gearbox size	19	29	39	49	59	69	79	89	2KJ81...-Z	2KJ82...-Z	
	120	120	120								H02
	140	140		140							H03
	160	160	160	160	160						H04
			200	200	200	200					H05
					250	250	250				H06
							300	300			H07
							350	350			H08
								450			H09
Helical gearboxes ZB 2-stage and DB 3-stage											
Gearbox size	29	39	49	59	69	79	89		2KJ81...-Z	2KJ82...-Z	
	120	120									H02
			140								H03
			160	160							H04
					200						H05
						250					H06
							300				H07
Helical gearboxes EF 1-stage											
Gearbox size	39		49		69		89		2KJ80...-Z		
	120										H02
	140										H03
	160		160								H04
	200		200		200						H05
			250		250		250				H06
							300				H07
							350				H08
Parallel shaft gearboxes F..F 2-stage and DB 3-stage											
Gearbox size	29	39	49	69	79	89			2KJ83...-Z	2KJ84...-Z	
	120										H02
	160	160									H04
			200								H05
				250	250						H06
						300					H07
Bevel gearboxes B.F 2-stage											
Gearbox size	19	29	39	49					2KJ85...-Z		
	120	120									H02
		160		160							H04
				200		200					H05
Bevel gearboxes K.F 3-stage											
Gearbox size	39	49	69	79	89	109			2KJ85...-Z		
	160										H04
		200									H05
			250	250							H06
					300						H07
						350					H08
Helical worm gearboxes C.F 2-stage											
Gearbox size	29	39	49	69	89				2KJ86...-Z		
	120										H02
	160	160									H04
			200	200							H05
					250						H06

Shaft-mounted design**Parallel shaft gearboxes F.AD. in a shaft-mounted design**

The rubber buffers (supplied loose) are used to flexibly support the gearbox on the housing plate provided.

When mounting, the rubber buffers must be pretensioned to the dimension specified in the dimensional drawing.

The elastomer used for support is manufactured out of natural rubber 70° ± 5 Shore A. The rubber buffers are suitable for all mounting positions and can withstand temperatures of between -40 and +60 °C.

The dimensions of the torque arm can be seen in the dimensional drawings.

Mounting type	Additional identification code -Z with order code	Order code
Shaft-mounted design	2KJ83 .. - .. - .. -Z	H72
	2KJ84 .. - .. - .. -Z	

Bevel gearboxes KAD. in a shaft-mounted design

The torque arm of bevel gearboxes K is mounted on the underside of the housing. The rubber buffers are used to flexibly support the gearbox on the torque arm.

The elastomer used for support is manufactured out of natural rubber of grade 60° Shore A. The rubber elastic buffers are suitable for all mounting positions and can withstand temperatures of between -40 and +60 °C.

The dimensions of the torque arm can be seen in the dimensional drawings.

Mounting type	Additional identification code -Z with order code	Order code
Shaft-mounted design	2KJ85 .. - .. - .. -Z	H72

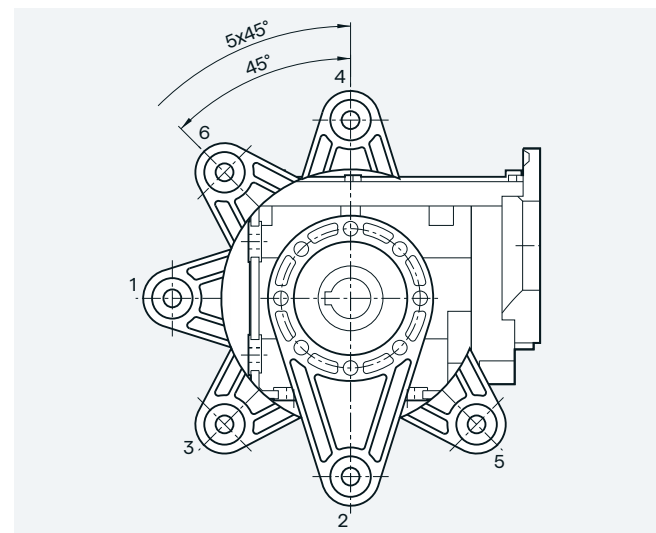
Bevel gearboxes BAD. in a shaft-mounted design

The torque arm can be screwed to the gearbox housing at various positions. When ordered, the torque arm is supplied loose.

Mounting type	Additional identification code -Z with order code	Order code
Shaft-mounted design	2KJ85 .. - .. - .. -Z	H72

Shaft-mounted design for sizes 19 and 29

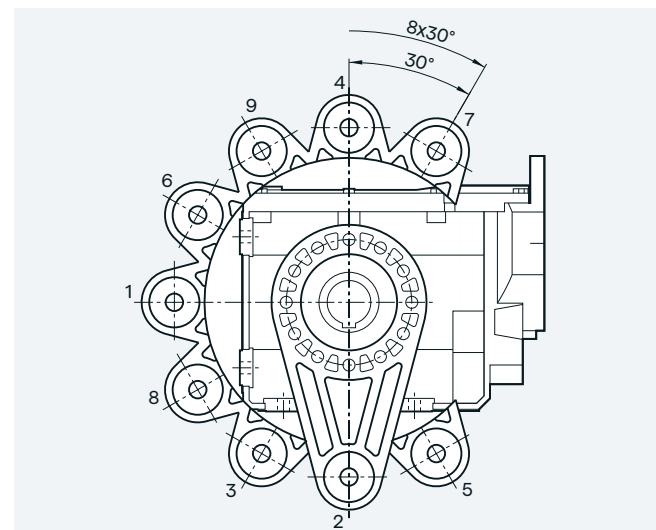
The elastomer used for support is manufactured out of natural rubber of grade 90° Shore A. The rubber elastic buffers are suitable for all mounting positions and can withstand temperatures of between -30 and +60 °C.



Bevel gearboxes BAD, sizes 19 and 29

Shaft-mounted design for sizes 39 and 49

The elastomer used for support is manufactured out of natural rubber of grade 60° Shore A. The rubber elastic buffers are suitable for all mounting positions and can withstand temperatures of between -40 and +60 °C.



Bevel gearboxes BAD, sizes 39 and 49.

Additional order options

Mounting types

Shaft-mounted design

Helical worm gearboxes CAD. in a shaft-mounted design

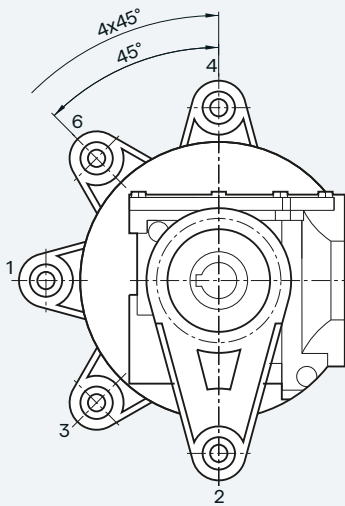
The torque arm can be screwed to the gearbox housing at various positions.

When ordered, the torque arm is supplied loose.

Mounting type	Additional identification code -Z with order code	Order code
Shaft-mounted design	2KJ86...-Z	H72

Shaft-mounted design for size 29

The elastomer used for support is manufactured out of natural rubber of grade 90° Shore A. The rubber elastic buffers are suitable for all mounting positions and can withstand temperatures of between -30 and +60 °C.

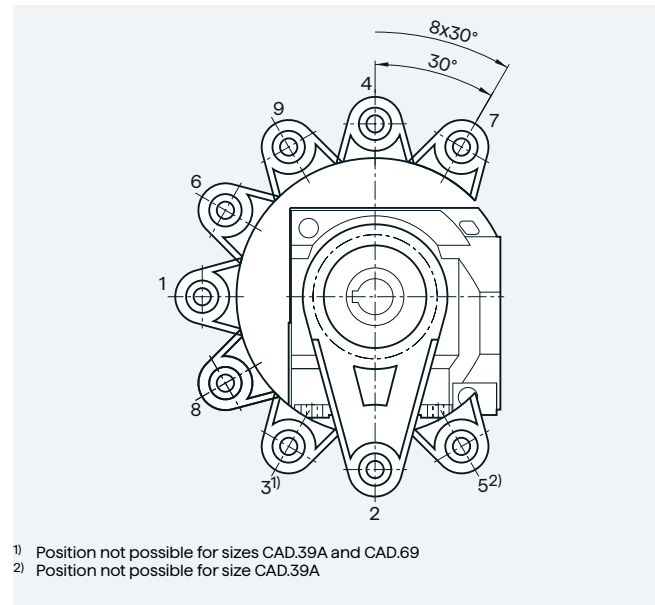


Helical worm gearboxes CAD, size 29

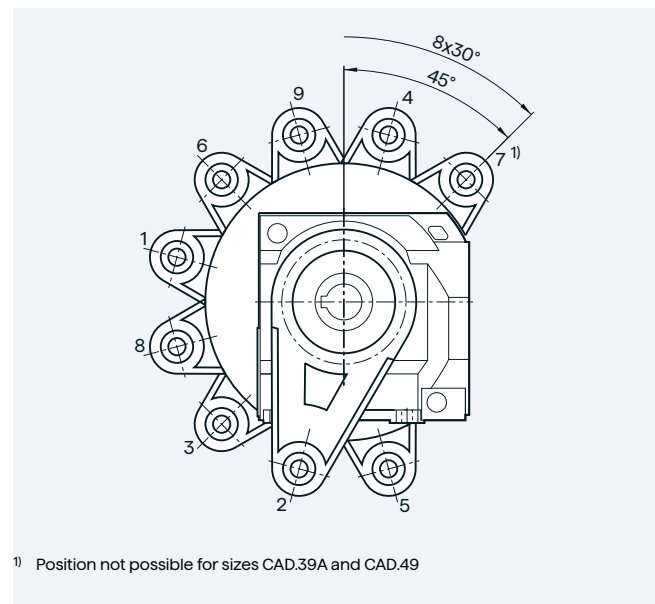
Shaft-mounted design for sizes 39 to 89

The elastomer used for support is manufactured out of natural rubber of grade 60° Shore A. The rubber elastic buffers are suitable for all mounting positions and can withstand temperatures of between -40 and +60 °C.

Shaft-mounted design	Additional identification code -Z with order code	Order code
Figure 1	2KJ86...-Z	G09
Figure 2		G10



Helical worm gearboxes CAD, Figure 1, sizes 39A to 89



Helical worm gearboxes CAD, Figure 2, sizes 39A to 89

Additional order options

Mounting types

Shaft designs

Shaft design	Dimensions mm						Ambient temperature range	Additional identification code -Z with order code	Order code
Helical gearboxes Z and D									
Gearbox size	19	29	39	49	59	69		2KJ81...-Z 2KJ82...-Z	
Solid shaft	V20 x 40	V25 x 50	V25 x 50	V30 x 60	V35 x 70	V35 x 70	-40 ... +60 °C		H31
	V16 x 28				V30 x 60				H32
	V16 x 40		V30 x 60		V40 x 80				H33
Solid shaft without feather key	VG20 x 40	VG25 x 50	VG25 x 50	VG30 x 60	VG35 x 70	VG35 x 70			H40
Solid shaft, inches	V0.75" x 1.57"	V1" x 1.97"	V1" x 1.97"	V1.25" x 2.36"	V1.375" x 2.76"	V1.375" x 2.76"			H66
Gearbox size	79	89						2KJ81...-Z 2KJ82...-Z	
Solid shaft	V40 x 80	V50 x 100					-40 ... +60 °C		H31
	V35 x 70								H32
	V50 x 100	V60 x 120							H33
Solid shaft without feather key ¹⁾	VG40 x 80	VG50 x 100							H40
Solid shaft, inches	V1.625" x 3.15"	V2.125" x 3.94"							H66
Helical gearboxes E									
Gearbox size	39	49	69	89				2KJ80...-Z	
Solid shaft	V20 x 40	V25 x 50	V30 x 60	V40 x 80			-40 ... +60 °C		H31
Solid shaft, inches	V0.75" x 1.57"	V1" x 1.97"	V1.25" x 2.36"	V1.625" x 3.15"					H66
Parallel shaft gearboxes F									
Gearbox size	29	39	49	69	79	89		2KJ83...-Z 2KJ84...-Z	
Solid shaft	V25 x 50	V25 x 50	V30 x 60	V35 x 70	V40 x 80	V50 x 100	-40 ... +60 °C		H31
		V35 x 70	V40 x 80		V50 x 100				H33
Solid shaft without feather key ¹⁾	VG25 x 50	VG25 x 50	VG30 x 60	VG35 x 70	VG40 x 80	VG50 x 100			H40
Solid shaft, both ends ¹⁾³⁾		VD25 x 50	VD30 x 60	VD35 x 70	VD40 x 80	VD50 x 100			H64
Solid shaft, both ends without feather key ¹⁾³⁾			VDG30 x 60	VDG35 x 70	VDG40 x 80	VDG50 x 100			H65
Solid shaft, inches	V1" x 1.97"	V1" x 1.97"	V1.25" x 2.36"	V1.375" x 2.76"	V1.625" x 3.15"	V2" x 3.94"			H66
Hollow shaft	H25	H30	H35	H40	H40	H50			H35
		H25	H30						H36
Hollow shaft, inches	H1"	H1.25"	H1.375"	H1.5"	H1.5"	H2"			H67
Hollow shaft with shrink disk	HS25	HS30	HS35	HS40	HS40	HS50			H50
ShaftMount assembly system, metric	HF25	HF30	HF35	HF40	HF40	HF50	-20 ... +60 °C		H53
	HF20	HF25	HF30	HF35	HF35	HF40			H54
ShaftMount assembly system, inches	HF1.0"	HF1.25"	HF1.375"	HF1.5"	HF1.5"	HF2.0"			H55
	HF0.75"	HF1.1875"	HF1.4375"	HF1.625"	HF1.625"	HF1.9375"			H56
		HF1.0"	HF1.25"	HF1.4375"	HF1.4375"	HF1.75"			H57
		HF1.1875"	HF1.375"	HF1.375"	HF1.375"	HF1.625"			H58
Splined hollow shaft		N30	N35	N35	N45	N50	-40 ... +60 °C		H61
Bevel gearboxes B									
Gearbox size	19	29	39	49				2KJ85...-Z	
Solid shaft	V20 x 40	V20 x 40	V30 x 60	V35 x 70			-40 ... +60 °C		H31
Solid shaft without feather key	VG20 x 40	VG20 x 40	VG30 x 60	VG35 x 70					H40
Solid shaft, both ends ²⁾	VD20 x 40	VD20 x 40	VD30 x 60	VD35 x 70					H64
Solid shaft, inches	V0.75" x 1.57"	V0.75" x 1.57"	V1" x 1.97"	V1.375" x 2.76"					H66
Hollow shaft	H20	H20	H30	H40					H35
		H25	H35	H35					H36
			H40						H37
Hollow shaft, inches	H0.75"	H0.75"	H1.25"	H1.5"					H67

¹⁾ Can only be selected in conjunction with foot-mounted or housing flange design.

²⁾ Can only be selected in conjunction with foot-mounted design.

³⁾ Restricted motor frame sizes in conjunction with shaft extensions at both ends; for precise dimensioning, use the functionality of the SPC.

Additional order options

Mounting types

Shaft designs

Shaft design	Dimensions mm						Ambient temperature range	Additional identification code -Z with order code
Bevel gearboxes B								
Gearbox size	19	29	39	49			2KJ85...-Z	Order code
Hollow shaft with shrink disk	HS20	HS20	HS35	HS40			-40 ... +60 °C	H50
ShaftMount assembly system, metric		HF25	HF30	HF35			-20 ... +60 °C	H53
		HF20	HF25	HF30				H54
				HF40				H60
ShaftMount assembly system, inches		HF1.0"	HF1.25"	HF1.375"				H55
		HF0.75"	HF1.1875"	HF1.4375"				H56
			HF1.0"	HF1.25"				H57
				HF1.1875"				H58
				HF1.625"				H59
Bevel gearboxes K								
Gearbox size	39	49	69	79	89	109		2KJ85...-Z
Solid shaft	V25 x 50	V30 x 60	V35 x 70	V40 x 80	V50 x 100	V60 x 120	-40 ... +60 °C	H31
	V35 x 70	V40 x 80		V50 x 100		V80 x 170		H33
Solid shaft without feather key	VG25 x 50	VG30 x 60	VG35 x 70	VG40 x 80	VG50 x 100	VG60 x 120		H40
Solid shaft, both ends ¹⁾	VD25 x 50	VD30 x 60	VD35 x 70	VD40 x 80	VD50 x 100	VD60 x 120		H64
Solid shaft, both ends without feather key ¹⁾		VDG30 x 60	VDG35 x 70	VDG40 x 80	VDG50 x 100	VDG60 x 120		H65
Solid shaft, inches	V1" x 1.97"	V1.25" x 2.36"	V1.375" x 2.76"	V1.625" x 3.15"	V2" x 3.94"	V2.375" x 4.72"		H66
Hollow shaft	H30	H35	H40	H40	H50	H60		H35
	H25	H30						H36
						H70		H37
Hollow shaft, inches	H1.25"	H1.375"	H1.5"	H1.5"	H2"	H2.375"		H67
Hollow shaft with shrink disk	HS30	HS35	HS40	HS40	HS50	HS65		H50
ShaftMount assembly system, metric	HF30	HF35	HF40	HF40	HF50	HF65	-20 ... +60 °C	H53
	HF25	HF30	HF35	HF35	HF40	HF60		H54
ShaftMount assembly system, inches	HF1.25"	HF1.375"	HF1.5"	HF1.5"	HF2.0"			H55
	HF1.1875"	HF1.4375"	HF1.625"	HF1.625"	HF1.9375"			H56
	HF1.0"	HF1.25"	HF1.4375"	HF1.4375"	HF1.75"			H57
		HF1.1875"	HF1.375"	HF1.375"	HF1.625"			H58
Splined hollow shaft	N30	N35	N35	N45	N50	N65	-40 ... +60 °C	H61
Helical worm gearboxes C								
Gearbox size	29	39	49	69	89			2KJ86...-Z
Solid shaft	V20 x 40	V25 x 50	V30 x 60	V35 x 70	V45 x 90		-40 ... +60 °C	H31
				V40 x 80 ¹⁾	V50 x 100 ¹⁾			H32
		V35 x 70 ¹⁾	V40 x 80 ¹⁾	V50 x 100 ¹⁾	V70 x 140 ¹⁾			H33
Solid shaft without feather key	VG20 x 40	VG25 x 50	VG30 x 60	VG35 x 70	VG45 x 90			H40
Solid shaft, both ends ²⁾	VD20 x 40	VD25 x 50	VD30 x 60	VD35 x 70	VD45 x 90			H64
Solid shaft, inches	V0.75" x 1.57"	V1" x 1.97"	V1.25" x 2.36"	V1.375" x 2.76"	V1.75" x 3.54"			H66
Hollow shaft	H20	H25	H30	H40	H50			H35
		H30	H35	H45	H60			H36
Hollow shaft, inches	H0.75"	H1.25"	H1.375"	H1.5"	H2"			H67
Hollow shaft with shrink disk	HS20	HS30	HS35	HS40	HS50			H50
				HS50	HS60			H52
ShaftMount assembly system, metric	HF25	HF30	HF35	HF40	HF50		-20 ... +60 °C	H53
	HF20	HF25	HF30	HF35	HF40			H54
ShaftMount assembly system, inches	HF1.0"	HF1.25"	HF1.375"	HF1.5"	HF2.0"			H55
	HF0.75"	HF1.1875"	HF1.4375"	HF1.625"	HF1.9375"			H56
		HF1.0"	HF1.25"	HF1.4375"	HF1.75"			H57
			HF1.1875"	HF1.375"	HF1.625"			H58

¹⁾ Can only be selected in conjunction with foot-mounted or housing flange design.

²⁾ Can only be selected in conjunction with foot-mounted design.

Shaft designs

Hollow shaft cover

Sealing cap

The bore of the hollow shaft is sealed using a plastic sealing cap.

Gearboxes in size 39 and larger with hollow shaft and shrink disk have a rotating protective cap.

The dimensions of the rotating protective cap can be seen in the dimensional drawings provided in the gearbox chapters.

For safety reasons, stationary protective covers may be required.

Protective cover

For sizes 19 to 89, a stationary protective cover for the hollow shaft or hollow shaft with shrink disk versions can be selected.

The dimensions of the protective cover can be seen in the separate dimensional drawing provided in the gearbox chapters.

Note:

Protective covers made of plastic are generally not painted.

Hollow shaft cover	Additional identification code -Z with order code	
	2KJ8 ... -Z	Order code
Protective cover		G60

Reinforced output shaft bearings

The gearboxes can be supplied with the standard design or with a reinforced output shaft bearing design. The reinforced bearings allow higher radial and combined forces (radial and axial) to be absorbed.

Design	Possible for								Additional identification code -Z with order code	Order code
Helical gearboxes Z and D										
Gearbox size	19	29	39	49	59	69	79	89	2KJ81 ... -Z	
									2KJ82 ... -Z	
Radially reinforced output shaft bearings						✓	✓	✓		G20
Parallel shaft gearboxes F										
Gearbox size	29	39	49	69	79	89			2KJ83 ... -Z	
									2KJ84 ... -Z	
Radially reinforced output shaft bearings			✓ ¹⁾	✓	✓	✓	✓			G20
Bevel gearboxes K										
Gearbox size	39	49	69	79	89	109			2KJ85 ... -Z	
Radially reinforced output shaft bearings		✓ ¹⁾	✓	✓	✓	✓	✓			G20

¹⁾ Not possible for flange-mounted design with solid shaft (gearbox type FZF, FDF, KF).

Additional order options

Lubrication and sealing

Overview

Gearboxes can be used for different applications. The following lubricants and sealing systems can be selected to ensure an optimum configuration.

The temperature rise of the gearbox during operation increases the oil sump temperature. When selecting the oil, pay attention to the upper limit of the recommended oil sump temperature.

Note:

- _ For ambient conditions with a high air humidity and salt-laden atmosphere, we recommend that only mineral or PAO oils are used.
- _ For gearboxes with CLP ISO PG oils for applications in the USA, the approval must be checked. Alternatively, a different type of oil must be used (e.g. CLP ISO PAO oil).

Lubrication

The gearboxes are initially filled at the factory with a high-quality lubricant. Lubricants permitted for the various gearbox types and applications are listed in the lubricant table.

Other oils from various lubricant manufacturers that have been approved by Innomatics can be found on the internet in the Service and Support pages in the List of approved and recommended gear lubricants NT 7300:

<https://www.innomatics.com/hub/en/109753864>

Oil quantities

The lubricant quantity depends on the gearbox type, size and mounting position. The corresponding oil quantities are specified in the operating instructions and on the rating plate of the geared motor.

Sealing

The standard models of gearbox are supplied with high quality radial shaft sealing rings with dust protection lips. This sealing design is reliable for a wide range of applications.

Special application areas and environmental conditions require special radial shaft sealing rings and materials, which are coordinated with the particular gearbox oil and environment. This coordinated sealing system results in a high reliability and availability of the plant.

When compared to standard sealing systems, the maintenance intervals can be extended. This therefore reduces maintenance costs.

Selection of lubricant

Applications	Oil type	Permissible oil sump temperature range in operation	Additional identification code -Z with order code	Order code	Ambient temperature range		
					Standard [°C]	Extended [°C]	[°C]
	Marking according to DIN 51502	[°C]	2KJ8...-Z		-	K97	K94
Helical gearboxes Z, D and E, parallel shaft gearboxes F and bevel gearboxes K							
					-15 ... +40	-30 ... +40	-20 ... +55
Standard	CLP ISO VG220	-15 ... +80		K06	✓		
	CLP ISO PAO VG220	-30... +100		K12	✓	✓	✓ ¹⁾
	CLP ISO PAO VG68	-40... +60		K13		✓	
	CLP ISO PG VG460	-25... +110		K08	✓		✓
	CLP ISO PG VG220	-25... +110		K07	✓		✓
Foodstuff area	CLP ISO H1 VG460	-25... +100		K11	✓		✓ ¹⁾
	CLP ISO H1 VG100	-30 ... +90		K14	✓	✓	✓ ¹⁾
Biodegradable oil	CLP ISO E VG220	-20... +100		K10	✓		✓ ¹⁾
Bevel gearboxes B and helical worm gearboxes C							
					-15 ... +40	-30 ... +40	-20 ... +55
Standard	CLP ISO PG VG220	-25 ... +110		K07	✓		
	CLP ISO PAO VG220	-30... +100		K12	✓	✓	✓ ¹⁾
	CLP ISO PAO VG460	-25... +110		K16	✓		✓
	CLP ISO PAO VG68	-40... +60		K13		✓	
	CLP ISO PG VG460	-25... +110		K08	✓		✓
Foodstuff area	CLP ISO H1 VG460	-25 ... +100		K11	✓		✓ ¹⁾
	CLP ISO H1 VG100	-30 ... +90		K14	✓		✓ ¹⁾

CLP = mineral oil
 CLP PG = polyglycol oil
 E = ester oil, organic oil (bio oil / risk of water pollution, class WGK1)
 PAO = poly-alpha-olefin oil
 CLP H1 = physiologically safe oil (USDA-H1 approval)

¹⁾ Observe the thermal load.

Additional order options

Lubrication and sealing

Roller bearing greases for gearboxes and motors

The roller bearings of gearboxes and motors are lubricated in the factory with a roller bearing grease that is coordinated with the selected application area. The quantity of grease between the rolling elements and the space in front of the bearing depends on the operating conditions and the gearbox mounting position. For operation in the selected application areas, it is not necessary to relubricate the roller bearings.

We recommend that the grease filling of the roller bearings is also changed when the oil or shaft sealing rings are replaced.

Other greases supplied by different lubricant manufacturers that have been approved by Innomatics are specified in the List of approved and recommended gearbox lubricants NT 7300.

Sealing system

Overview

Output shaft sealing	Description	Ambient condition	Additional identification code -Z with order code	Order code
Normal environmental stress				
Standard seal	High-quality NBR radial shaft sealing ring with dust protection lip.	Environment with low dust and pollution levels with low moisture.	2KJ8 ... - ... -Z	-
Longer service life				
Seal with longer service life	The radial shaft sealing ring with protective lip is designed with an additional seal on the internal gearbox side. The sealing system has a high degree of reliability due to its resistance to impurities in the oil.	Environment with low dust and pollution levels with low moisture.		G23
Longer service life and increased environmental stress				
Seal for increased environmental stress	This seal is equipped with an additional fiber disk. In addition to the longer service life, it also provides increased protection against higher environmental stress as a result of dust and dirt deposits. As a consequence, the sealing system has a high degree of reliability. For additional environmental stress, e.g. water jets or significant levels of pollution as a result of production materials, please contact your local Innomatics office.	Environments with increased pollution and dust levels as well as low moisture. Typical applications: Production areas with increased pollution and dust, such as wood chips, dusts or granulate as well as occasional spray water.		G24
High temperature-resistant				
Seal for high temperatures	High-quality FKM radial shaft sealing ring with dust protection lip.	Environment with low dust and pollution levels with low moisture.		G25

Selection of seal

Seal	Permissible oil sump temperature range in operation [°C]	Additional identification code -Z with order code		Ambient temperature range		
		2KJ8 ... - ... -Z	Order code	Standard [°C]	Extended [°C]	[°C]
Helical gearboxes Z, D and E, parallel shaft gearboxes F and bevel gearboxes K						
Standard seal	-40... +80		-	-15 ... +40	-30 ... +40	-20 ... +55
Seal for a longer service life	-40... +100		G23	✓	✓	✓
Seal for increased environmental stress	-40... +80		G24 ¹⁾	✓	✓	✓
Seal, high temperature-resistant	-25... +110		G25	✓	-	✓
Bevel gearboxes B and helical worm gearboxes C						
Standard seal	-40... +80		-	-15 ... +40	-30 ... +40	-20 ... +55
Seal for a longer service life	-40... +100		G23 ²⁾	✓	✓	✓
Seal for increased environmental stress	-40... +80		G24 ^{1) 2)}	✓	-	✓
Seal, high temperature-resistant	-25... +110		G25	✓	-	✓

¹⁾ Not admissible in conjunction with food oils and biodegradable oils.

²⁾ Not possible with bevel gearbox B19.

Additional order options

Venting and oil level control

Venting

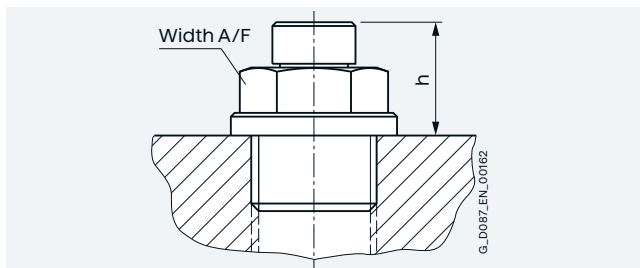
Pressure breather valve

Gearboxes from size 39 are supplied with an installed pressure breather valve; this is suitable for both indoor and outdoor use.

Gearbox sizes 19 and 29 can be operated in mounting positions M1, M3, M5, and M6 without requiring a pressure breather valve. For mounting positions M2 and M4, they are equipped with a pressure breather valve.

A stainless-steel version of the pressure breather valve is also available for use in special ambient conditions.

Venting	Additional identification code -Z with order code	Order code
Pressure breather valve	2KJ8...-Z	G45
Pressure breather valve stainless steel		G49



Pressure breather valve

Technical specifications

Size	Width across flats Width A/F	Thread	Dimension h mm
Helical gearboxes Z and D			
19 ... 39	12	G 1/8 A	17
49 ... 79	13	G 1/4 A	17
89	17	G 3/8 A	17
Helical gearboxes E			
39	12	G 1/8 A	17
49 ... 69	13	G 1/4 A	17
89	17	G 3/8 A	17
Parallel shaft gearboxes F			
29, 39	12	G 1/8 A	17
49 ... 79	13	G 1/4 A	17
89	17	G 3/8 A	17
Bevel gearboxes B			
19 ... 39	12	G 1/8 A	17
49	13	G 1/4 A	17
Bevel gearboxes K			
39	12	G 1/8 A	17
49 ... 89	13	G 1/4 A	17
109	17	G 3/8 A	17
Helical worm gearboxes C			
29, 39	12	G 1/8 A	17
49 ... 89	13	G 1/4 A	17

Additional order options

Venting and oil level control

Venting

Oil expansion unit

The oil expansion unit increases the expansion space for the lubricant. For certain types of construction and at high operating temperatures, this avoids that lubricant escapes.

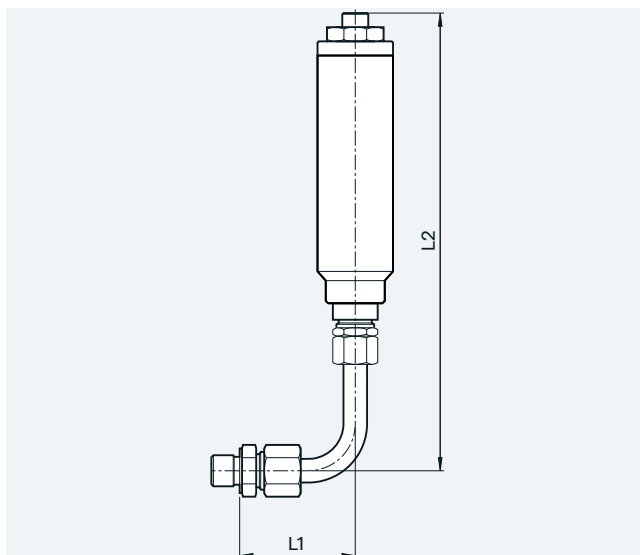
The oil expansion unit is supplied as a mounting kit, and can be mounted onto the geared motor vertically or at an angle.

The oil expansion unit can be used at the following ambient temperatures:

_ Oil expansion unit type 1-40 to +120 °C

For different ambient temperatures, please contact Innomatics.

Venting	Additional identification code -Z with order code	
	2KJ8 ... - ... -Z	Order code
Oil expansion unit		G47



Oil expansion unit type 1

Technical specifications

Size	Motor frame size	Width across flats Width A/F	Thread	Dimension L1 mm	Dimension L2 mm
Helical gearboxes Z and D					
39	71...90	17/19	G1/8A	49	194
	100			71	172
49 ... 69	71...112	19/19	G1/4A	49	194
	132			71	172
79	80...90	19/19	G1/4A	49	194
	100...132			71	172
89	100...132	22/19	G3/8A	49	194
Helical gearboxes E					
39	71...90	17/19	G1/8A	49	194
	100...112			71	172
49	71...112	19/19	G1/4A	49	194
	132			71	172
69	71...90	19/19	G1/4A	49	194
	100...112			71	172
89	100...132	22/19	G3/8A	49	194
				99	194
Parallel shaft gearboxes F					
39	71...90	17/19	G1/8A	49	194
	100...112			71	172
49 ... 69	71...112	19/19	G1/4A	49	194
	132			71	172
79	80...90	19/19	G1/4A	49	194
	100...132			71	172
89	100...132	22/19	G3/8A	49	194
Bevel gearboxes B					
29	71...90	17/19	G1/8A	49	194
	100			71	172
39	71...90	17/19	G1/8A	49	194
	100...112			71	172
49	71...112	19/19	G1/4A	49	194
	132			71	172
Bevel gearboxes K					
39	71...90	17/19	G1/8A	49	194
	100...112			71	172
49	71...112	19/19	G1/4A	49	194
69	71...112	19/19	G1/4A	49	194
	132			71	172
79	71...90	19/19	G1/4A	49	194
	100...132			71	172
89	80...90	19/19	G1/4A	49	194
	100...132			71	172
109	100...132	22/19	G 3/8A	49	194
	160			71	172
	180			71	172
Helical worm gearboxes C					
39	71...90	17/19	G1/8A	49	194
	100			71	172
49 ... 69	71...112	19/19	G1/4A	49	194
	132			71	172
89	80...112	19/19	G1/4A	49	194
	132			71	172

Additional order options

Venting and oil level control

Oil level control

Oil drain

Magnetic oil drain screw

For gearboxes from size 39, a magnetic oil drain screw is available that is inserted in the oil drain hole. This serves to collect any metal particles in the gearbox oil.

Oil level control	Additional identification code -Z with order code	
	2KJ8 ... - ... -Z	Order code
Magnetic oil drain screw		G53

Oil drain valve

For gearboxes from size 39, an oil drain valve is available in either a straight or angled design.

The oil drain valve is supplied complete with screw plug as kit.

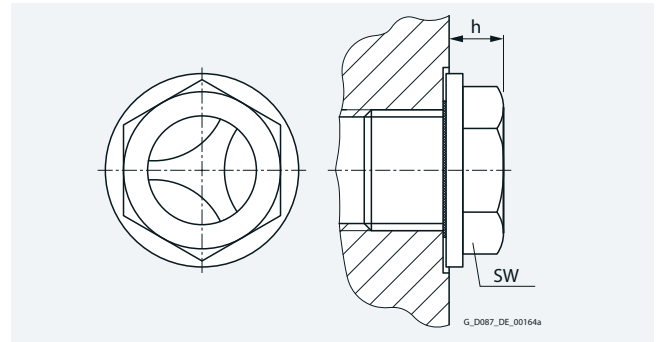
Oil level control	Additional identification code -Z with order code	
	2KJ8 ... - ... -Z	Order code
Oil drain valve, straight		G54
Oil drain valve, angled		G55

Oil level checking screw

For gearboxes from size 49, the oil level is checked using the oil level checking screw. The oil sight glass is available with a reflector for visual monitoring.

The oil sight glass on both sides is also available for the bevel gearbox and helical worm gearbox in mounting position M2 and M4.

Oil level control	Additional identification code -Z with order code	
	2KJ8 ... - ... -Z	Order code
Oil sight glass with reflector		G34
Oil sight glass with reflector on both sides		G35



Oil sight glass with reflector

Technical specifications

Size	Width across flats Width A/F	Thread	Dimension h mm
Helical gearboxes Z and D			
49 ... 79	16	G 1/4 A	10
89	19	G 3/8 A	9
Helical gearboxes E			
49 ... 69	16	G 1/4 A	10
89	19	G 3/8 A	9
Parallel shaft gearboxes F			
49 ... 79	16	G 1/4 A	10
89	19	G 3/8 A	9
Bevel gearboxes B			
49	16	G 1/4 A	10
Bevel gearboxes K			
49 ... 89	16	G 1/4 A	10
109	19	G 3/8 A	9
Helical worm gearboxes C			
49 ... 89	16	G 1/4 A	10

Reduced-backlash version

Gearboxes with reduced backlash are required to perform high-precision positioning tasks and to achieve a high level of control quality. A minimal torsional backlash also has a favorable effect on torque spikes during startup and on load switching in the drive train. With this version, all machine elements in the gearbox that are in the power flow are designed with reduced backlash. As a result, this version also has the option "Shrink-glued output gearwheel".

To ensure that the entire driven machine can be designed with minimum possible backlash, it is advisable to select the solution with integral motor mounting (without adapter), output shafts with shrink disk connection or with smooth shafts (without feather key). In this case, only backlash-free power transmission elements should be used.

The specified torsional backlash in minutes of the angle ['] is based on the maximum rotation angle of the output shaft (no load, max. 1 % of rated output torque) with stationary input shaft.

For the exact values, refer to the torque tables. If no values are specified in the tables, this means that a reduced-backlash version is not available for the specific version.

The dimensions of the reduced-backlash gearboxes are identical to those of the standard versions.

Special version	Additional identification code -Z with order code
Reduced-backlash version 1)	2KJ8 ... - - -Z Order code G99

Shrink-glued output gearwheel

The gearbox output stage is subjected to particular high levels of mechanical stress during rigorous reversing duty or acceleration of high mass moments of inertia. The shrink-glued output gearwheel option ensures the load-bearing capacity of the shaft/hub connection in the event of dynamic load.

Special version	Additional identification code -Z with order code
Shrink-glued output gearwheel 1)	2KJ8 ... - - -Z Order code G97

1) Cannot be selected for helical worm gearboxes.

Additional order options

Surface treatment and preservation

Surface treatment

To protect the drives against corrosion and external influences, five high-quality paint systems are available in various colors.

The corrosion protection system is designed in accordance with the corrosivity categories of Standard EN ISO 12944-2.

Geared motors, frame size 49 and higher, are painted in RAL 7016 (anthracite gray) to corrosivity category C1 as standard. This ensures that they are protected against corrosion for indoor use.

Geared motors, frame sizes 09 to 39 with an aluminum housing, are supplied unpainted as standard.

The shaft extensions and bare surfaces are treated with corrosion protection for 6 months.

The converters of the SINAMICS G115D system are made of high quality aluminum (EN AC 44300) with good corrosion resistance and are not painted.

Note:

Corrosivity category C1 is not suitable for ambient temperatures under $-20\text{ }^{\circ}\text{C}$.

Note:

Parts made of plastic are generally not painted.

Surface pretreatment

For especially demanding applications, the drives can also be pretreated in order to ensure an optimum paint finish even in areas that are hidden or difficult to access.

Oberflächenvorbehandlung	Additional identification code -Z with order code	Order code
	2KJ8 ... - -Z	L19
Spezielle Vorbehandlung		

4

Corrosivity category	Paint system			Description	Additional identification code -Z with order code	Order code
	Base coat	Intermediate coat	Top coat			
Surface protection						
<i>Aluminum gearbox housing¹⁾</i>						
Unpainted (standard)	-	-	-	_ Indoor installation _ Heated buildings with neutral atmospheres		L00
C1 Normal environmental stress	-	-	1-component hydro paint	_ Resistant to greases, conditionally resistant to mineral oils, _ Standard paint		L02
<i>Cast iron gearbox housing²⁾</i>						
C1 Normal environmental stress	-	-	1-component hydro paint	_ Indoor installation _ Heated buildings with neutral atmospheres _ Resistant to greases, conditionally resistant to mineral oils, _ Standard paint		L02
<i>All geared motors</i>						
C2 Low environmental stress	2-component epoxy zinc phosphate	-	2-component polyurethane	_ Indoor and outdoor installation _ Unheated buildings with condensation, production areas with low humidity, e.g. warehouses and sports facilities _ Atmospheres with little pollution, rural areas		L03
C3 Average environmental stress	2-component epoxy zinc phosphate	-	2-component polyurethane	_ Indoor and outdoor installation _ Production areas with high humidity and some air pollution, e.g. food production areas, dairies, laundries, and breweries _ Urban and industrial atmospheres, moderate contamination from sulfur dioxide, coastal areas with low salt levels		L04
Primer						
Ability to be painted						
C2 G	2-component polyurethane	-	-	_ 2-component polyurethane paint, 2-component epoxy paint and acid-hardening paint, 2-component acrylic paint		L01
Unpainted	-	-	-	_ Plastic paint, synthetic resin paint, oil paint, 2-component polyurethane paint, 2-component epoxy paint		L00

¹⁾ Helical gearboxes D/Z19 to D/Z39, parallel shaft gearboxes F29 and bevel gearboxes B29 and B39

²⁾ The bevel gearbox B49 is supplied painted

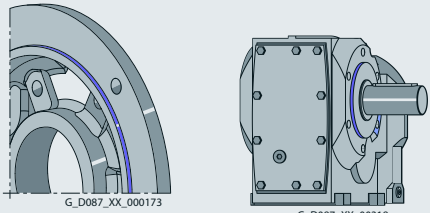
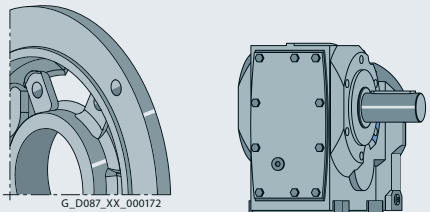
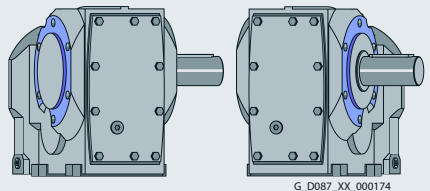
Additional order options

Surface treatment and preservation

Surface treatment






Painting flange surfaces

For flange-mounted or housing flange designs, the flange surface and centering are not painted at the selected output end. The versions listed in the table can be optionally selected.

Design	Possible for	Figure	Additional identification code -Z with order code	Order code
Centering not painted	_ Flange-mounted design _ Housing flange design	Surfaces marked blue are not painted  G_D087_XX_000173 G_D087_XX_00318	2KJ8...-...-...-Z	L11
Flange completely painted	_ Flange-mounted design _ Housing flange design	 G_D087_XX_000172 G_D087_XX_00319		L12
Centering flange not painted on both sides	_ Housing flange design for bevel gearbox and helical worm gearbox	 G_D087_XX_000174		L27

Colors

In addition to anthracite gray (RAL 7016), you can select from other standard colors.

RAL color	Designation	Color, example	Additional identification code -Z with order code	Order code
RAL 7016	Anthracite gray (standard)		2KJ8...-...-...-Z	L75
RAL 5015	Sky blue			L50
RAL 7030	Stone gray			L55
RAL 7031	Blue gray			L53
RAL 7012	Basalt gray			L83

You can find additional colors in the.

Note:

For light colors in corrosivity category C1 we recommend selection of surface treatment in the corrosivity category one level higher to ensure adequate and uniform coloring for the geared motor.

Additional order options

Surface treatment and preservation

Preservation

All gearboxes and geared motors are preserved as standard for 6 months.

Long-term preservation up to 36 months

If the gearboxes are stored for longer than 6 months, then we recommend the "Long-term preservation" option. A VCI corrosion inhibitor (volatile corrosion inhibitor) is added to the gearbox oil.

Until commissioning, it is not permissible that the gearbox is opened, as otherwise the VCI corrosion inhibitor will vaporize. The oil level must be checked before commissioning. Corrosion protection is also applied to the flange contact surfaces and shaft extensions. We recommend that the gearbox is stored in the appropriate mounting position.

Storage conditions

Geared motors, stored in dry, dust free and evenly tempered rooms do not require any special packaging.

In all other areas, the units must be packaged in foil with desiccant and moisture indicator. If required, protection must be provided against mold and insects. The storage location must be vibration- and shock-free. The storage conditions must be regularly checked.

Preservation	Additional identification code -Z with order code	Order code
Long-term preservation up to 36 months	2KJ8...-.....-Z	K17

For information about storage and commissioning please refer to the operating instructions.

Additional order options

Rating plate

The rating plates on the gearboxes and geared motors are normally manufactured out of coated aluminum foil. They are covered with a special masking film which ensures permanent

resistance to UV radiation and media of all kinds (oils, greases, salt water, cleaning agents, etc.).

The adhesive and the material ensure firm adhesion and long-term legibility within the operating temperature range from -40 to +155 °C.

For geared motors, the rating plate is attached to a stainless steel plate on the motor.

For specific designs, additional rating plates are attached to the motor.

Innomotics SG G115D

INNOMOTICS			IE4	
SG G115D 400V FSA				IEC TS 60034-30-2
1P 2KJ8102-4EC11-4GA1-Z+D01+V14				-15°<=TAMB<=40°C
S FDUMN/253146201		Refer to user manual		
Z29-LE80MA4S-G007M-PN-L8				
K.ID:xxxxxxxxxxxxxxxxxxxxxxxxx 2020		Importeur UK:		
i:3.47	0.2L OIL CLP VG220	Innomotics Ltd.		
SR1:10 (D)	Br:4.0Nm(M4)	Manchester M20 2UR		
G:86-865r/min	M1	R-R-S49-		
G:8.3Nm	32kg	G115DA4M		
3AC380Y/220V-480Y/277V-+10%		45-66Hz INVERTER DUTY ONLY VPWM		
For use on industrial machinery		10:0.59A		
1.98-1.57A	Use in PD2 and OVCIII env. only	Th.Cl.155(F)		
Mot:300-3000r/min	Mot:0.75kW	Mot:2.36Nm		
Innomotics GmbH, Bahnhofstr. 40, DE-72072 Tuebingen / Made in Germany		TEFC		

INNOMOTICS							
1							6
2							
3		5					7
4							8
9			20	21	22	23	
10	14						
11	15						
12	16	18		24	25	26	
13	17	19					
27				28		29	
30						36	
31	33					37	39
32	34		35			38	
Innomotics GmbH, Bahnhofstr. 40, DE-72072 Tuebingen /							40

4

Example, rating plate on helical geared motor

General data

- | | | | |
|----|--|----|---|
| 1 | Equipment name | 25 | KC approval logo |
| 2 | Article No.,
Dxx - Order code for mounting position
Vxx - Order code for converter options
(Required identification code) | 26 | KC registration number |
| 3 | Factory ID. (FID) | 27 | Input phase number and input voltage range of converter |
| 4 | Type designation | 28 | Input frequency range of converter f [Hz] |
| 5 | QR-Code | 29 | Duty type |
| 6 | IE class (in accordance with IEC TS 60034-30-2) | 30 | Specification of rated conditions |
| 7 | Permissible ambient temperature | 31 | Rated input current of converter [A] |
| 8 | Reference to operating instructions | 32 | Rated speed range of motor [rpm] |
| 9 | Customer ID | 33 | Pollution degree and overvoltage category |
| 10 | Transmission ratio i | 34 | Motor rated power [kW] |
| 11 | Speed range SR | 35 | Motor rated torque [Nm] |
| 12 | Gearbox output speed range [rpm] | 36 | Stall current of converter I0 |
| 13 | Rated output torque of the geared motor [Nm] | 37 | Temperature class Th. Cl. |
| 14 | Oil quantity [l], oil type,
oil viscosity ISO VG class according to DIN 51519 / ISO 3448 | 38 | Ventilation type |
| 15 | M4-braking torque [Nm], Cyclic Duration Factor | 39 | cURus approval logo |
| 16 | Mounting position | 40 | Manufacturer's address and country of origin |
| 17 | Weight m [kg] | | |
| 18 | Thermal motor protection | | |
| 19 | Degree of protection acc. to IEC 60034-5 | | |
| 20 | Year of manufacture | | |
| 21 | EAC approval logo | | |
| 22 | UKCA approval logo | | |
| 23 | Importer's address UK | | |
| 24 | CE approval logo | | |

When ordering a replacement/spare part, always specify the factory ID (serial No.)

- 1) The customer-specific data are used to specify the customer ID/serial number. The following data are not permissible:
- _ Technical specifications for the geared motor (e.g. ambient temperature, voltage data, etc.)
 - _ Details of Innomatics Article No. (MLFB)
 - _ Unlawful texts

General options

Additional order options

Rating plate

Innomotics SG geared motors without converter

INNOMOTICS 1P 2KJ8102-4EC10-0AB1-Z+D01 S FDUMN/253146201 Z29-LE80MA4S-G005W QR Code IEC TS 60034-30-2 -15°C<=TAMB<=40°C Refer to user manual K.ID:xxxxxxxxxxxxxxxxxxxxxxxxxxxxx i:4 Q.2L OIL CLP VG220 SR1:5 (Y) Br:4.0Nm(M4) G:75-375r/min M1 TP-PT1000 G:14.0Nm 16kg IP55 3AC 385V 50Hz 1.44A Mot:300-1500r/min Mot:0.55kW Mot:3.50Nm Innomotics GmbH, Bahnhofstr. 40, DE-72072 Tuebingen / Made in Germany		IE4 IEC TS 60034-30-2 -15°C<=TAMB<=40°C Refer to user manual UK CA Importer UK: Siemens plc Manchester M20 2UR INVERTER DUTY ONLY VPWM IO:2.88A Th.Cl.155(F) TEFC cURus	INNOMOTICS 5 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 Innomotics GmbH, Bahnhofstr. 40, DE-72072 Tuebingen /
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Example, rating plate on helical geared motor

4

General data

- 1 Article No., Dxx - Order code for mounting position (Required identification code)
- 2 Factory ID (FID)
- 3 Type designation
- 4 QR-Code
- 5 IE class (in accordance with IEC TS 60034-30-2)
- 6 Ambient temperature
- 7 Reference to operating instructions
- 8 Customer ID
- 9 Transmission ratio i
- 10 Speed range SR
- 11 Gearbox output speed range [rpm]
- 12 Rated output torque of the geared motor [Nm]
- 13 Oil quantity [l], oil type, oil viscosity ISO VG class according to DIN 51519 / ISO 3448
- 14 M4-braking torque [Nm], cyclic duration factor
- 15 Mounting position
- 16 Weight m [kg]
- 17 Thermal motor protection
- 18 Degree of protection acc. to IEC 60034-5
- 19 EAC approval logo
- 20 CE approval logo
- 21 UKCA approval logo
- 22 Importer's address UK

- 23 Input phase number and motor rated voltage
- 24 Duty type
- 25 Motor rated current [A]
- 26 Motor rated speed range [rpm]
- 27 Motor rated power [kW]
- 28 Motor rated torque [Nm]
- 29 Motor stall current I0
- 30 Temperature class Th. Cl.
- 31 Ventilation type
- 32 cURus approval
- 33 Manufacturer's address and country of origin

When ordering a replacement/spare part, always specify the factory ID (serial No.)

- 1) The customer-specific data are used to specify the customer ID/serial number. The following data are not permissible:
- _ Technical specifications for the geared motor (e.g. ambient temperature, voltage data, etc.)
 - _ Details of Innomotics Article No. (MLFB)
 - _ Unlawful texts

Second rating plate

For the geared motors, an additional rating plate can be supplied loose.

When requested, the second rating plate can be attached to the motor.

Second rating plate	Additional identification code -Z with order code	
	2KJ8...-...-Z	Order code
Second rating plate, supplied loose		K41
Second rating plate, attached		K68

Documentation

Safety instruction sheet and operating instructions

The geared motors are shipped with a multi-language safety instruction sheet for each delivery batch.

A printed compact operating instruction in German, English and Chinese is included in the scope of delivery for the Innomotics SG G115D.

You can find the operating instructions in digital form on the Innomotics Download Center:

<https://www.innomotics.com/hub/en/109827529>

The operating instructions include the following documents:

- _ Replacement part drawings and lists
- _ Installation instructions
- _ Declaration of incorporation of partly completed machinery according to the EC Machinery Directive 2006/42/EC (gearboxes)
- _ EC Declaration of Conformity according to Directive 2014/35/EU (motors)

The latest versions of the operating instructions, the declaration of incorporation and the declarations of conformity are available in the Innomotics Download Center:

<https://innomotics.com/hub/en/search/entrypages/product-information>

Test certificates

On request, the following documents are available by email:

Additional documentation	The following is checked	Additional identification code -Z with order code	Order code
Declaration of compliance with the order EN 10204-2.1 and factory test report EN 10204-2.2, geared motor	-	2KJ8 ... - ... - ... -Z	On request
Factory test report EN 10204-2.2 material	-		On request
Acceptance test certificate EN 10204-3.1 for the motor	<ul style="list-style-type: none"> _ Winding resistance _ No-load current of the 3 phases _ Power loss for no-load operation _ High-voltage test _ No-load speed 		W10
Acceptance test certificate EN 10204-3.1 for gearboxes	<ul style="list-style-type: none"> _ Output shaft diameter _ Input shaft diameter (for gearboxes with adapter A only) _ No-load speed _ Noise (subjective assessment) 		W11
Acceptance test certificate EN 10204-3.1 for paint finish	<ul style="list-style-type: none"> _ Paint film thickness 		W12

Extension of the liability for defects

For our Innomotics SG geared motors, we give you the option of extending existing liabilities for defects beyond the standard period of liability.

The standard liability for defects period, as listed in our standard conditions for the supply of services and products, is 12 months.

It is possible to select the extended period of liability for defects in connection with all of the geared motors and their options listed here in the catalog.

Extension of the liability for defects	Additional identification code -Z with order code	Order code
Extension of the liability for defects by 12 months to a total of 24 months from delivery	2KJ8 ... - ... - ... -Z	W80
Extension of the liability for defects by 24 months to a total of 36 months from delivery		W82

Additional order options

Packaging options

The geared motors are sent in a box as standard.

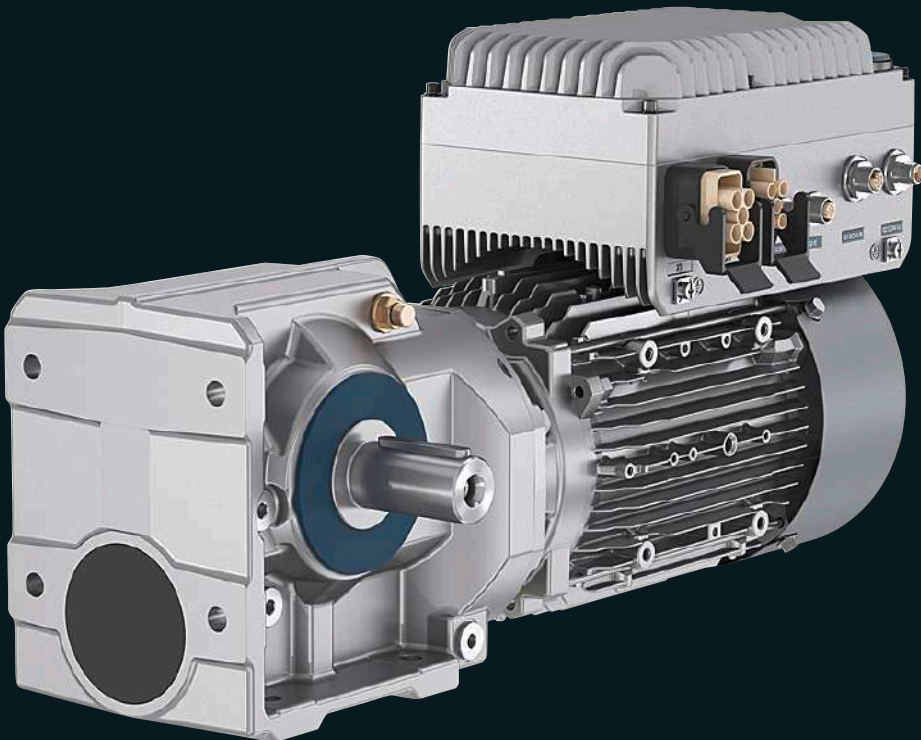
For countries that cannot be supplied by truck, geared motors up to frame size 89 are shipped in a carton suitable for sea and air freight.

The following packaging options are available.

Packaging options	Gearbox size	Can be selected for the following countries	Can be selected for the following countries	Additional identification code -Z with order code	Order code
Individual packaging					
Box	19 ... 89	Albania, Austria, Belgium, Bulgaria, Bosnia and Herzegovina, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Great Britain, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Kosovo, Malta, the Netherlands, Poland, Portugal, Romania, Serbia, Slovakia, Republic of Srpska, Sweden, Switzerland, Slovenia, Spain	-	2KJ8 ... -Z	W40
VCI corrosion inhibiting film	19 ... 89	Albania, Austria, Belgium, Bulgaria, Bosnia and Herzegovina, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Great Britain, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Kosovo, Malta, the Netherlands, Poland, Portugal, Romania, Serbia, Slovakia, Republic of Srpska, Sweden, Switzerland, Slovenia, Spain	-		W47
Collective packaging					
Overseas	19 ... 89	Worldwide	-		W46
VCI corrosion inhibiting film	19 ... 89	Albania, Austria, Belgium, Bulgaria, Bosnia and Herzegovina, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Great Britain, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Kosovo, Malta, the Netherlands, Poland, Portugal, Romania, Serbia, Slovakia, Republic of Srpska, Sweden, Switzerland, Slovenia, Spain	-		W52
Neutral packaging ocean freight	19 ... 89	Worldwide	-		W49

Selection and ordering data

5



5

Selection and ordering data

5/2 0.37 kW to 4 kW

- 5/2 Overview
- 5/2 Structure of the tables for gearbox selection

5/3 Helical geared motors

- 5/3 Control range 1:5
- 5/26 Control range 1:10
- 5/46 Control range 1:8.7

5/63 Parallel shaft geared motors

- 5/63 Control range 1:5
- 5/78 Control range 1:10
- 5/92 Control range 1:8.7

5/103 Bevel geared motors

- 5/103 Control range 1:5
- 5/123 Control range 1:10
- 5/141 Control range 1:8.7

5/156 Helical worm geared motors

- 5/156 Control range 1:5
- 5/167 Control range 1:10
- 5/178 Control range 1:8.7

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0.37 kW to 4 kW

Selection and ordering data

Overview

Structure of the tables for gearbox selection

In the selection tables of the Innomatics SG geared motors you will find the most frequently used versions and combinations sorted according to the motor power.

Additional combinations are available in the SPC.

This can be used on the internet without requiring any installation. The SPC can be found at the following address: configurator.innomatics.com

The power ratings and torques specified in the catalog refer to mounting position M1 and comparable types of construction, where the input stage does not run completely immersed in oil.

Further, standard equipment and standard lubrication of the geared motors as well as normal ambient conditions are assumed.

Innomatics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm									
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3	m	Geared motors with synchronous reluctance motors IE4	m	
kW	rpm	Nm	-	-	Article No. (Article No. supplements see below)	kg	Article No. (Article No. supplements see below)	kg	
0,75	D.89-LE80MB.								
	0.96 ... 4.8	1480	311.6	1.1	2KJ8208-2EG ■ ■ -3 ■ S1 -Z	71	2KJ8208-4EH ■ ■ -3 ■ S1 -Z	74	
	1.1 ... 5.3	1350	283.28	1.2	2KJ8208-2EG ■ ■ -3 ■ R1 -Z	71	2KJ8208-4EH ■ ■ -3 ■ R1 -Z	74	
	1.2 ... 5.9	1210	254.09	1.4	2KJ8208-2EG ■ ■ -3 ■ Q1 -Z	71	2KJ8208-4EH ■ ■ -3 ■ Q1 -Z	74	
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
Article No. supplements						Order code	Order code		
Motor temperature sensor		without		0			0		
		with Pt1000		1			1		
Motor brake (brake voltage 180 V DC)		without		0			0		
		with standard torque (control range 1:5 and 1:8.7) / increased torque (control range 1:10)		1			1		
		with reduced torque		2			2		
		with increased torque (control range 1:5 and 1:8.7) / standard torque (control range 1:10)		3			3		
Converter fieldbus communication									
Without fieldbus communication, cable gland						B			B
Without fieldbus communication, plug-in connection						C			C
AS-Interface, cable gland						D			D
AS-Interface, plug-in connection						E			E
PROFINET, EtherNet/IP, cable gland						F			F
PROFINET, EtherNet/IP, plug-in connection						G			G
Special versions									
Necessary ordering data						...+...			...+...
Mounting position (order codes D01 ... D26) for the specification of the direction of rotation of the output shaft									
Configuration of the output shaft (order codes H31 ... H67)									
Configuration of the mounting type (order codes H71 ... H76)									
Configuration of the connection type of the converter (order codes V01 ... V81).									
More versions see Chapter 4 „Additional Order options“									

- (1) Rated motor power at 50 Hz
- (2) Geared motor output speed
- (3) Geared motor output torque
- (4) Transmission ratio
- (5) Service factor
- (6) Article No. for geared motors with asynchronous motors
- (7) Drive weight without any oil with asynchronous motors
- (8) Article No. for geared motors with synchronous reluctance motors
- (9) Drive weight without any oil with synchronous reluctance motors

Selection and ordering data

Control range 1:5

Innomatics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

P _N	n ₂	T ₂	i	f _B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
0.37	D.79-LE71MB.							
0.91 ... 4.5	775	330.23	1.1	1.1	2KJ8207-2CG	44	-	-
1 ... 5	705	300.21	1.2	1.2	2KJ8207-2CG	44	-	-
1.2 ... 5.9	600	255.33	1.4	1.4	2KJ8207-2CG	44	-	-
1.3 ... 6.5	545	232.12	1.5	1.5	2KJ8207-2CG	44	-	-
1.4 ... 7.2	485	207.1	1.7	1.7	2KJ8207-2CG	44	-	-
1.6 ... 8.1	435	185.7	1.9	1.9	2KJ8207-2CG	44	-	-
1.8 ... 9	390	167.39	2.1	2.1	2KJ8207-2CG	44	-	-
1.9 ... 9.7	360	154.51	2.3	2.3	2KJ8207-2CG	44	-	-
2.1 ... 10.6	330	141.04	2.5	2.5	2KJ8207-2CG	44	-	-
2.6 ... 12.8	275	117.03	3	3	2KJ8207-2CG	44	-	-
D.69-LE71MB.	D.69-LE71MB.							
1 ... 5.1	685	292.08	0.87	0.87	2KJ8206-2CG	34	-	-
1.2 ... 5.8	600	256.46	0.99	0.99	2KJ8206-2CG	34	-	-
1.3 ... 6.4	545	233.14	1.1	1.1	2KJ8206-2CG	34	-	-
1.5 ... 7.5	470	199.47	1.3	1.3	2KJ8206-2CG	34	-	-
1.7 ... 8.3	425	181.33	1.4	1.4	2KJ8206-2CG	34	-	-
1.9 ... 9.4	375	160.29	1.6	1.6	2KJ8206-2CG	34	-	-
2.1 ... 10.3	340	145.71	1.7	1.7	2KJ8206-2CG	34	-	-
2.4 ... 11.8	300	127.63	2	2	2KJ8206-2CG	34	-	-
2.5 ... 12.7	275	117.82	2.2	2.2	2KJ8206-2CG	34	-	-
2.9 ... 14.4	245	104.31	2.4	2.4	2KJ8206-2CG	34	-	-
3.5 ... 17.3	205	86.82	2.9	2.9	2KJ8206-2CG	34	-	-
3.7 ... 18.4	192	81.71	3.1	3.1	2KJ8206-2CG	34	-	-
D.59-LE71MB.	D.59-LE71MB.							
1.3 ... 6.3	565	239.7	0.8	0.8	2KJ8205-2CG	30	-	-
1.4 ... 6.9	510	217.91	0.88	0.88	2KJ8205-2CG	30	-	-
1.6 ... 8	435	186.43	1	1	2KJ8205-2CG	30	-	-
1.8 ... 8.9	395	169.48	1.1	1.1	2KJ8205-2CG	30	-	-
2 ... 10	350	149.81	1.3	1.3	2KJ8205-2CG	30	-	-
2.2 ... 11	320	136.19	1.4	1.4	2KJ8205-2CG	30	-	-
2.5 ... 12.6	280	119.3	1.6	1.6	2KJ8205-2CG	30	-	-
2.7 ... 13.6	255	110.12	1.7	1.7	2KJ8205-2CG	30	-	-
3.1 ... 15.4	230	97.5	2	2	2KJ8205-2CG	30	-	-
3.7 ... 18.5	191	81.15	2.4	2.4	2KJ8205-2CG	30	-	-
3.9 ... 19.6	180	76.38	2.5	2.5	2KJ8205-2CG	30	-	-
4.4 ... 22	161	68.43	2.8	2.8	2KJ8205-2CG	30	-	-
D.49-LE71MB.	D.49-LE71MB.							
1.8 ... 8.8	400	170.57	0.8	0.8	2KJ8204-2CG	27	-	-
1.9 ... 9.7	365	155.06	0.88	0.88	2KJ8204-2CG	27	-	-
2.2 ... 10.9	320	137.06	0.99	0.99	2KJ8204-2CG	27	-	-
2.4 ... 12	290	124.6	1.1	1.1	2KJ8204-2CG	27	-	-
2.7 ... 13.7	255	109.14	1.2	1.2	2KJ8204-2CG	27	-	-
3 ... 14.9	235	100.75	1.3	1.3	2KJ8204-2CG	27	-	-
3.4 ... 16.8	210	89.2	1.5	1.5	2KJ8204-2CG	27	-	-
4 ... 20	175	74.24	1.8	1.8	2KJ8204-2CG	27	-	-
4.3 ... 21	165	69.88	1.9	1.9	2KJ8204-2CG	27	-	-
D.49-LE71MB.	D.49-LE71MB.							
4.8 ... 24	147	62.61	2.2	2.2	2KJ8204-2CG	27	-	-
Z.49-LE71MB.	Z.49-LE71MB.							
5.8 ... 29	123	52.14	2.6	2.6	2KJ8104-2CG	27	-	-
6.3 ... 32	112	47.4	2.9	2.9	2KJ8104-2CG	27	-	-
D.39-LE71MB.	D.39-LE71MB.							
3 ... 14.9	235	100.44	0.85	0.85	2KJ8203-2CG	17	-	-
3.4 ... 16.8	210	89.51	0.95	0.95	2KJ8203-2CG	17	-	-
3.6 ... 18.2	195	82.63	1	1	2KJ8203-2CG	17	-	-
4.1 ... 21	170	72.34	1.2	1.2	2KJ8203-2CG	17	-	-
4.7 ... 24	149	63.43	1.3	1.3	2KJ8203-2CG	17	-	-

Article No. supplements

Motor temperature sensor	without	0	|	Order code	|	0	|	Order code
	with Pt1000	1						
Motor brake	without	0	|	Order code	|	0	|	Order code
(brake voltage 180 V DC)	with see page 5/2	1, 2 or 3						
Converter fieldbus communication	see page 5/2	B, C, D, E, F or G	|	Order code	|	B, C, D, E, F or G	|	Order code
Special versions	see Chapter 4 „Additional Order options“	...+...						

5

Helical geared motors

Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm											
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4			
kW	rpm	Nm	-	-	Article No.	m	Article No.	m			
					(Article No. supplements see below)	kg	(Article No. supplements see below)	kg			
0.37	Z.39-LE71MB.										
	5.4 ... 27	132	55.95	1.5	2KJ8103-2CG ■ ■ -3 ■ A2 -Z	17	-	-	-	-	
	6 ... 30	117	49.75	1.7	2KJ8103-2CG ■ ■ -3 ■ X1 -Z	17	-	-	-	-	
	6.9 ... 34	103	43.68	1.9	2KJ8103-2CG ■ ■ -3 ■ W1 -Z	17	-	-	-	-	
	7.6 ... 38	94	39.71	2.1	2KJ8103-2CG ■ ■ -3 ■ V1 -Z	17	-	-	-	-	
	8.8 ... 44	80	33.97	2.5	2KJ8103-2CG ■ ■ -3 ■ U1 -Z	17	-	-	-	-	
	9.7 ... 49	73	30.88	2.7	2KJ8103-2CG ■ ■ -3 ■ T1 -Z	17	-	-	-	-	
	11 ... 55	64	27.3	3.1	2KJ8103-2CG ■ ■ -3 ■ S1 -Z	17	-	-	-	-	
	D.29-LE71MB.										
	4.6 ... 23	154	65.52	0.91	2KJ8202-2CG ■ ■ -3 ■ E1 -Z	16	-	-	-	-	
	5.3 ... 26	134	56.93	1	2KJ8202-2CG ■ ■ -3 ■ D1 -Z	16	-	-	-	-	
	5.8 ... 29	121	51.4	1.2	2KJ8202-2CG ■ ■ -3 ■ C1 -Z	16	-	-	-	-	
	6.2 ... 31	114	48.37	1.2	2KJ8202-2CG ■ ■ -3 ■ B1 -Z	16	-	-	-	-	
	Z.29-LE71MB.										
	7.2 ... 36	98	41.4	1.4	2KJ8102-2CG ■ ■ -3 ■ A2 -Z	16	-	-	-	-	
	8.2 ... 41	86	36.72	1.6	2KJ8102-2CG ■ ■ -3 ■ X1 -Z	16	-	-	-	-	
	9.4 ... 47	75	31.86	1.9	2KJ8102-2CG ■ ■ -3 ■ W1 -Z	16	-	-	-	-	
	10.4 ... 52	68	28.96	2.1	2KJ8102-2CG ■ ■ -3 ■ V1 -Z	16	-	-	-	-	
	12.1 ... 60	58	24.84	2.4	2KJ8102-2CG ■ ■ -3 ■ U1 -Z	16	-	-	-	-	
	13.3 ... 66	53	22.58	2.6	2KJ8102-2CG ■ ■ -3 ■ T1 -Z	16	-	-	-	-	
	15.2 ... 76	47	19.8	3	2KJ8102-2CG ■ ■ -3 ■ S1 -Z	16	-	-	-	-	
	17 ... 85	42	17.67	3.4	2KJ8102-2CG ■ ■ -3 ■ R1 -Z	16	-	-	-	-	
	21 ... 103	34	14.54	3.5	2KJ8102-2CG ■ ■ -3 ■ P1 -Z	16	-	-	-	-	
	D.19-LE71MB.										
	6.2 ... 31	114	48.3	0.88	2KJ8201-2CG ■ ■ -3 ■ D1 -Z	14	-	-	-	-	
	6.9 ... 34	103	43.61	0.97	2KJ8201-2CG ■ ■ -3 ■ C1 -Z	14	-	-	-	-	
	7.3 ... 37	97	41.04	1	2KJ8201-2CG ■ ■ -3 ■ B1 -Z	14	-	-	-	-	
	Z.19-LE71MB.										
	8.6 ... 43	82	34.97	1.2	2KJ8101-2CG ■ ■ -3 ■ W1 -Z	14	-	-	-	-	
	9.7 ... 48	73	30.97	1.4	2KJ8101-2CG ■ ■ -3 ■ V1 -Z	14	-	-	-	-	
	11.1 ... 56	63	26.91	1.6	2KJ8101-2CG ■ ■ -3 ■ U1 -Z	14	-	-	-	-	
	12.3 ... 61	58	24.46	1.7	2KJ8101-2CG ■ ■ -3 ■ T1 -Z	14	-	-	-	-	
	14.4 ... 72	49	20.82	2	2KJ8101-2CG ■ ■ -3 ■ S1 -Z	14	-	-	-	-	
	15.9 ... 79	45	18.92	2.2	2KJ8101-2CG ■ ■ -3 ■ R1 -Z	14	-	-	-	-	
	18.2 ... 91	39	16.5	2.5	2KJ8101-2CG ■ ■ -3 ■ Q1 -Z	14	-	-	-	-	
	20 ... 102	35	14.77	2.7	2KJ8101-2CG ■ ■ -3 ■ P1 -Z	14	-	-	-	-	
	Z.19-LE71MB.										
	23 ... 114	31	13.12	2.9	2KJ8101-2CG ■ ■ -3 ■ N1 -Z	14	-	-	-	-	
	25 ... 124	28	12.11	3.1	2KJ8101-2CG ■ ■ -3 ■ M1 -Z	14	-	-	-	-	
	29 ... 143	25	10.52	3.3	2KJ8101-2CG ■ ■ -3 ■ L1 -Z	14	-	-	-	-	
	33 ... 164	22	9.14	3.6	2KJ8101-2CG ■ ■ -3 ■ K1 -Z	14	-	-	-	-	
	48 ... 240	15	6.25	3.8	2KJ8101-2CG ■ ■ -3 ■ F1 -Z	14	-	-	-	-	
	E.39-LE71MB.										
	33 ... 163	22	9.22	1.4	2KJ8001-2CG ■ ■ -3 ■ S1 -Z	18	-	-	-	-	
	37 ... 183	19	8.2	1.8	2KJ8001-2CG ■ ■ -3 ■ R1 -Z	18	-	-	-	-	
	42 ... 208	17	7.2	2.4	2KJ8001-2CG ■ ■ -3 ■ Q1 -Z	18	-	-	-	-	
	46 ... 229	15	6.55	2.6	2KJ8001-2CG ■ ■ -3 ■ P1 -Z	18	-	-	-	-	
	54 ... 268	13	5.6	3	2KJ8001-2CG ■ ■ -3 ■ N1 -Z	18	-	-	-	-	
	59 ... 295	12	5.09	3.3	2KJ8001-2CG ■ ■ -3 ■ M1 -Z	18	-	-	-	-	
	0.55	D.89-LE80MA.									
		0.96 ... 4.8	1090	311.6	1.5	2KJ8208-2EB ■ ■ -3 ■ S1 -Z	72	2KJ8208-4EC ■ ■ -3 ■ S1 -Z	72		
		1.1 ... 5.3	990	283.28	1.7	2KJ8208-2EB ■ ■ -3 ■ R1 -Z	72	2KJ8208-4EC ■ ■ -3 ■ R1 -Z	72		
		1.2 ... 5.9	890	254.09	1.9	2KJ8208-2EB ■ ■ -3 ■ Q1 -Z	72	2KJ8208-4EC ■ ■ -3 ■ Q1 -Z	72		
		1.3 ... 6.6	800	228.45	2.1	2KJ8208-2EB ■ ■ -3 ■ P1 -Z	72	2KJ8208-4EC ■ ■ -3 ■ P1 -Z	72		
		1.5 ... 7.3	720	206.62	2.3	2KJ8208-2EB ■ ■ -3 ■ N1 -Z	72	2KJ8208-4EC ■ ■ -3 ■ N1 -Z	72		
		1.6 ... 7.9	665	190.73	2.5	2KJ8208-2EB ■ ■ -3 ■ M1 -Z	72	2KJ8208-4EC ■ ■ -3 ■ M1 -Z	72		
		1.7 ... 8.6	610	174.71	2.7	2KJ8208-2EB ■ ■ -3 ■ L1 -Z	72	2KJ8208-4EC ■ ■ -3 ■ L1 -Z	72		
		Article No. supplements									
		Motor temperature sensor	without		0				Order code		
		with Pt1000		1							
	Motor brake	without		0				Order code			
	(brake voltage 180 V DC)	with see page 5/2		1, 2 or 3							
	Converter fieldbus communication	see page 5/2		B, C, D, E, F or G							
	Special versions	see Chapter 4 „Additional Order options“						...			

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Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm										
P _N	n ₂	T ₂	i	f _B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
					Article No.	m		Article No.	m	
kW	rpm	Nm	-	-	(Article No. supplements see below)	kg		(Article No. supplements see below)	kg	
0.55	D.79-LE80MA.									
	1 ... 5	1050	300.21	0.8	2KJ8207-2EB	49		2KJ8207-4EC	49	
	1.2 ... 5.9	890	255.33	0.94	2KJ8207-2EB	49	Q1	2KJ8207-4EC	49	Q1
	1.3 ... 6.5	810	232.12	1	2KJ8207-2EB	49	P1	2KJ8207-4EC	49	P1
	1.4 ... 7.2	725	207.1	1.2	2KJ8207-2EB	49	N1	2KJ8207-4EC	49	N1
	1.6 ... 8.1	650	185.7	1.3	2KJ8207-2EB	49	M1	2KJ8207-4EC	49	M1
	1.8 ... 9	585	167.39	1.4	2KJ8207-2EB	49	L1	2KJ8207-4EC	49	L1
	1.9 ... 9.7	540	154.51	1.6	2KJ8207-2EB	49	K1	2KJ8207-4EC	49	K1
	2.1 ... 10.6	490	141.04	1.7	2KJ8207-2EB	49	J1	2KJ8207-4EC	49	J1
	2.6 ... 12.8	410	117.03	2	2KJ8207-2EB	49	H1	2KJ8207-4EC	49	H1
	2.9 ... 14.4	360	104.03	2.3	2KJ8207-2EB	49	F1	2KJ8207-4EC	49	F1
	2.7 ... 13.6	385	110.14	2.2	2KJ8207-2EB	49	G1	2KJ8207-4EC	49	G1
	3.4 ... 16.9	310	88.52	2.7	2KJ8207-2EB	49	E1	2KJ8207-4EC	49	E1
	D.69-LE80MA.									
	1.5 ... 7.5	695	199.47	0.86	2KJ8206-2EB	39	N1	2KJ8206-4EC	39	N1
	1.7 ... 8.3	635	181.33	0.94	2KJ8206-2EB	39	M1	2KJ8206-4EC	39	M1
	1.9 ... 9.4	560	160.29	1.1	2KJ8206-2EB	39	L1	2KJ8206-4EC	39	L1
	2.1 ... 10.3	510	145.71	1.2	2KJ8206-2EB	39	K1	2KJ8206-4EC	39	K1
	2.4 ... 11.8	445	127.63	1.3	2KJ8206-2EB	39	J1	2KJ8206-4EC	39	J1
	2.5 ... 12.7	410	117.82	1.5	2KJ8206-2EB	39	H1	2KJ8206-4EC	39	H1
	2.9 ... 14.4	365	104.31	1.6	2KJ8206-2EB	39	G1	2KJ8206-4EC	39	G1
	3.5 ... 17.3	300	86.82	2	2KJ8206-2EB	39	F1	2KJ8206-4EC	39	F1
	3.7 ... 18.4	285	81.71	2.1	2KJ8206-2EB	39	E1	2KJ8206-4EC	39	E1
	4.1 ... 20	255	73.22	2.3	2KJ8206-2EB	39	D1	2KJ8206-4EC	39	D1
	Z.69-LE80MA.									
	4.9 ... 25	210	60.97	2.8	2KJ8106-2EB	38	A2	2KJ8106-4EC	38	A2
	5.4 ... 27	194	55.43	3.1	2KJ8106-2EB	38	X1	2KJ8106-4EC	38	X1
	D.59-LE80MA.									
	2 ... 10	525	149.81	0.86	2KJ8205-2EB	34	L1	2KJ8205-4EC	34	L1
	2.2 ... 11	475	136.19	0.94	2KJ8205-2EB	34	K1	2KJ8205-4EC	34	K1
	2.5 ... 12.6	415	119.3	1.1	2KJ8205-2EB	34	J1	2KJ8205-4EC	34	J1
	2.7 ... 13.6	385	110.12	1.2	2KJ8205-2EB	34	H1	2KJ8205-4EC	34	H1
	3.1 ... 15.4	340	97.5	1.3	2KJ8205-2EB	34	G1	2KJ8205-4EC	34	G1
3.7 ... 18.5	280	81.15	1.6	2KJ8205-2EB	34	F1	2KJ8205-4EC	34	F1	
3.9 ... 19.6	265	76.38	1.7	2KJ8205-2EB	34	E1	2KJ8205-4EC	34	E1	
4.4 ... 22	240	68.43	1.9	2KJ8205-2EB	34	D1	2KJ8205-4EC	34	D1	
Z.59-LE80MA.										
5.3 ... 26	200	56.99	2.3	2KJ8105-2EB	34	A2	2KJ8105-4EC	34	A2	
5.8 ... 29	181	51.81	2.5	2KJ8105-2EB	34	X1	2KJ8105-4EC	34	X1	
6.8 ... 34	154	44.06	2.9	2KJ8105-2EB	34	W1	2KJ8105-4EC	34	W1	
7.5 ... 37	140	40.06	3.2	2KJ8105-2EB	34	V1	2KJ8105-4EC	34	V1	
D.49-LE80MA.										
2.7 ... 13.7	380	109.14	0.84	2KJ8204-2EB	32	J1	2KJ8204-4EC	32	J1	
3 ... 14.9	350	100.75	0.91	2KJ8204-2EB	32	H1	2KJ8204-4EC	32	H1	
3.4 ... 16.8	310	89.2	1	2KJ8204-2EB	32	G1	2KJ8204-4EC	32	G1	
4 ... 20	260	74.24	1.2	2KJ8204-2EB	32	F1	2KJ8204-4EC	32	F1	
4.3 ... 21	245	69.88	1.3	2KJ8204-2EB	32	E1	2KJ8204-4EC	32	E1	
4.8 ... 24	215	62.61	1.5	2KJ8204-2EB	32	D1	2KJ8204-4EC	32	D1	
Z.49-LE80MA.										
5.8 ... 29	183	52.14	1.8	2KJ8104-2EB	32	B2	2KJ8104-4EC	32	B2	
6.3 ... 32	166	47.4	1.9	2KJ8104-2EB	32	A2	2KJ8104-4EC	32	A2	
7.4 ... 37	141	40.31	2.3	2KJ8104-2EB	32	X1	2KJ8104-4EC	32	X1	
8.2 ... 41	128	36.65	2.5	2KJ8104-2EB	32	W1	2KJ8104-4EC	32	W1	
9.2 ... 46	115	32.7	2.8	2KJ8104-2EB	32	V1	2KJ8104-4EC	32	V1	
10.2 ... 51	103	29.32	3.1	2KJ8104-2EB	32	U1	2KJ8104-4EC	32	U1	
D.39-LE80MA.										
4.7 ... 24	220	63.43	0.9	2KJ8203-2EB	22	E1	2KJ8203-4EC	22	E1	
5.2 ... 26	200	57.54	0.99	2KJ8203-2EB	22	D1	2KJ8203-4EC	22	D1	
Article No. supplements										
Motor temperature sensor		without	0	Order code		0		Order code		
		with Pt1000	1			1				
Motor brake		without	0			0				
(brake voltage 180 V DC)		with see page 5/2	1, 2 or 3			1, 2 or 3				
Converter fieldbus communication see page 5/2			B, C, D, E, F or G			B, C, D, E, F or G				
Special versions see Chapter 4 „Additional Order options“			...+...			...+...				

5

Helical geared motors

Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm										
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	Article No.	m
					(Article No. supplements see below)			(Article No. supplements see below)		
0.55	Z.39-LE80MA.									
6 ... 30	174	49.75	1.1	1.1	2KJ8103-2EB	21	2KJ8103-4EC	22		
6.9 ... 34	153	43.68	1.3	1.3	2KJ8103-2EB	21	2KJ8103-4EC	22		
7.6 ... 38	139	39.71	1.4	1.4	2KJ8103-2EB	21	2KJ8103-4EC	22		
8.8 ... 44	119	33.97	1.7	1.7	2KJ8103-2EB	21	2KJ8103-4EC	22		
9.7 ... 49	108	30.88	1.8	1.8	2KJ8103-2EB	21	2KJ8103-4EC	22		
11 ... 55	96	27.3	2.1	2.1	2KJ8103-2EB	21	2KJ8103-4EC	22		
12.1 ... 60	87	24.82	2.3	2.3	2KJ8103-2EB	21	2KJ8103-4EC	22		
13.8 ... 69	76	21.74	2.6	2.6	2KJ8103-2EB	21	2KJ8103-4EC	22		
14.9 ... 75	70	20.07	2.8	2.8	2KJ8103-2EB	21	2KJ8103-4EC	22		
16.9 ... 84	62	17.77	3.2	3.2	2KJ8103-2EB	21	2KJ8103-4EC	22		
	D.29-LE80MA.									
6.2 ... 31	169	48.37	0.83	0.83	2KJ8202-2EB	20	2KJ8202-4EC	20		
7.1 ... 36	148	42.17	0.95	0.95	2KJ8202-2EB	20	2KJ8202-4EC	20		
	Z.29-LE80MA.									
8.2 ... 41	129	36.72	1.1	1.1	2KJ8102-2EB	20	2KJ8102-4EC	20		
9.4 ... 47	112	31.86	1.3	1.3	2KJ8102-2EB	20	2KJ8102-4EC	20		
10.4 ... 52	101	28.96	1.4	1.4	2KJ8102-2EB	20	2KJ8102-4EC	20		
12.1 ... 60	87	24.84	1.6	1.6	2KJ8102-2EB	20	2KJ8102-4EC	20		
13.3 ... 66	79	22.58	1.8	1.8	2KJ8102-2EB	20	2KJ8102-4EC	20		
15.2 ... 76	69	19.8	2	2	2KJ8102-2EB	20	2KJ8102-4EC	20		
17 ... 85	62	17.67	2.3	2.3	2KJ8102-2EB	20	2KJ8102-4EC	20		
19 ... 95	55	15.75	2.5	2.5	2KJ8102-2EB	20	2KJ8102-4EC	20		
21 ... 103	51	14.54	2.4	2.4	2KJ8102-2EB	20	2KJ8102-4EC	20		
24 ... 118	45	12.73	3.1	3.1	2KJ8102-2EB	20	2KJ8102-4EC	20		
27 ... 134	39	11.16	3.6	3.6	2KJ8102-2EB	20	2KJ8102-4EC	20		
43 ... 217	24	6.92	3.1	3.1	2KJ8102-2EB	20	2KJ8102-4EC	20		
	Z.19-LE80MA.									
9.7 ... 48	108	30.97	0.92	0.92	2KJ8101-2EB	18	2KJ8101-4EC	18		
11.1 ... 56	94	26.91	1.1	1.1	2KJ8101-2EB	18	2KJ8101-4EC	18		
12.3 ... 61	86	24.46	1.2	1.2	2KJ8101-2EB	18	2KJ8101-4EC	18		
14.4 ... 72	73	20.82	1.4	1.4	2KJ8101-2EB	18	2KJ8101-4EC	18		
15.9 ... 79	66	18.92	1.5	1.5	2KJ8101-2EB	18	2KJ8101-4EC	18		
18.2 ... 91	58	16.5	1.7	1.7	2KJ8101-2EB	18	2KJ8101-4EC	18		
20 ... 102	52	14.77	1.8	1.8	2KJ8101-2EB	18	2KJ8101-4EC	18		
23 ... 114	46	13.12	2	2	2KJ8101-2EB	18	2KJ8101-4EC	18		
25 ... 124	42	12.11	2.1	2.1	2KJ8101-2EB	18	2KJ8101-4EC	18		
29 ... 143	37	10.52	2.3	2.3	2KJ8101-2EB	18	2KJ8101-4EC	18		
33 ... 164	32	9.14	2.4	2.4	2KJ8101-2EB	18	2KJ8101-4EC	18		
36 ... 182	29	8.25	2.6	2.6	2KJ8101-2EB	18	2KJ8101-4EC	18		
39 ... 193	27	7.76	2.7	2.7	2KJ8101-2EB	18	2KJ8101-4EC	18		
44 ... 222	24	6.77	2.9	2.9	2KJ8101-2EB	18	2KJ8101-4EC	18		
48 ... 240	22	6.25	2.6	2.6	2KJ8101-2EB	18	2KJ8101-4EC	18		
55 ... 276	19	5.43	2.8	2.8	2KJ8101-2EB	18	2KJ8101-4EC	18		
64 ... 318	16	4.71	3	3	2KJ8101-2EB	18	2KJ8101-4EC	18		
70 ... 352	15	4.26	3.2	3.2	2KJ8101-2EB	18	2KJ8101-4EC	18		
75 ... 374	14	4.01	3.3	3.3	2KJ8101-2EB	18	2KJ8101-4EC	18		
86 ... 430	12	3.49	3.5	3.5	2KJ8101-2EB	18	2KJ8101-4EC	18		
	E.69-LE80MA.									
32 ... 161	33	9.3	3.7	3.7	2KJ8003-2EB	35	2KJ8003-4EC	35		
36 ... 178	30	8.45	3.5	3.5	2KJ8003-2EB	35	2KJ8003-4EC	35		
	E.49-LE80MA.									
31 ... 155	34	9.7	2.5	2.5	2KJ8002-2EB	28	2KJ8002-4EC	28		
34 ... 170	31	8.82	3.5	3.5	2KJ8002-2EB	28	2KJ8002-4EC	28		
	E.39-LE80MA.									
37 ... 183	29	8.2	1.2	1.2	2KJ8001-2EB	22	2KJ8001-4EC	22		
42 ... 208	25	7.2	1.6	1.6	2KJ8001-2EB	22	2KJ8001-4EC	22		
46 ... 229	23	6.55	1.7	1.7	2KJ8001-2EB	22	2KJ8001-4EC	22		
54 ... 268	20	5.6	2	2	2KJ8001-2EB	22	2KJ8001-4EC	22		

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see page 5/2	1, 2 or 3	1, 2 or 3
Converter fieldbus communication	see page 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions see Chapter 4 „Additional Order options“		...+...	...+...

Selection and ordering data

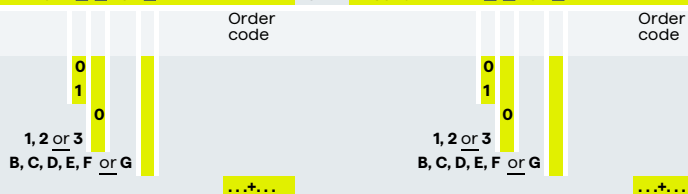
Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

P _N	n ₂	T ₂	i	f _B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
					Article No.	m		Article No.	m	
kW	rpm	Nm	-	-	(Article No. supplements see below)	kg		(Article No. supplements see below)	kg	
0.55	E.39-LE80MA.									
59 ... 295	18	5.09	2.2		2KJ8001-2EB	22		2KJ8001-4EC	22	
67 ... 333	16	4.5	3		2KJ8001-2EB	22		2KJ8001-4EC	22	
73 ... 367	14	4.09	3.4		2KJ8001-2EB	22		2KJ8001-4EC	22	
0.75	D.89-LE80MB.									
0.96 ... 4.8	1480	311.6	1.1		2KJ8208-2EG	71		2KJ8208-4EH	74	
1.1 ... 5.3	1350	283.28	1.2		2KJ8208-2EG	71		2KJ8208-4EH	74	
1.2 ... 5.9	1210	254.09	1.4		2KJ8208-2EG	71		2KJ8208-4EH	74	
1.3 ... 6.6	1090	228.45	1.5		2KJ8208-2EG	71		2KJ8208-4EH	74	
1.5 ... 7.3	985	206.62	1.7		2KJ8208-2EG	71		2KJ8208-4EH	74	
1.6 ... 7.9	910	190.73	1.8		2KJ8208-2EG	71		2KJ8208-4EH	74	
1.7 ... 8.6	830	174.71	2		2KJ8208-2EG	71		2KJ8208-4EH	74	
2 ... 10.2	700	146.59	2.4		2KJ8208-2EG	71		2KJ8208-4EH	74	
2.2 ... 10.9	655	137.97	2.6		2KJ8208-2EG	71		2KJ8208-4EH	74	
2.4 ... 11.9	600	126.58	2.8		2KJ8208-2EG	71		2KJ8208-4EH	74	
	D.79-LE80MB.									
1.4 ... 7.2	985	207.1	0.85		2KJ8207-2EG	48		2KJ8207-4EH	51	
1.6 ... 8.1	885	185.7	0.95		2KJ8207-2EG	48		2KJ8207-4EH	51	
1.8 ... 9	795	167.39	1.1		2KJ8207-2EG	48		2KJ8207-4EH	51	
1.9 ... 9.7	735	154.51	1.1		2KJ8207-2EG	48		2KJ8207-4EH	51	
2.1 ... 10.6	670	141.04	1.2		2KJ8207-2EG	48		2KJ8207-4EH	51	
2.6 ... 12.8	555	117.03	1.5		2KJ8207-2EG	48		2KJ8207-4EH	51	
2.9 ... 14.4	495	104.03	1.7		2KJ8207-2EG	48		2KJ8207-4EH	51	
2.7 ... 13.6	525	110.14	1.6		2KJ8207-2EG	48		2KJ8207-4EH	51	
3.4 ... 16.9	420	88.52	2		2KJ8207-2EG	48		2KJ8207-4EH	51	
4 ... 19.8	360	75.83	2.3		2KJ8207-2EG	48		2KJ8207-4EH	51	
4.5 ... 22	315	66.67	2.6		2KJ8207-2EG	48		2KJ8207-4EH	51	
5.3 ... 27	265	56.25	3.1		2KJ8207-2EG	48		2KJ8207-4EH	51	
	D.69-LE80MB.									
2.1 ... 10.3	695	145.71	0.86		2KJ8206-2EG	38		2KJ8206-4EH	41	
2.4 ... 11.8	605	127.63	0.98		2KJ8206-2EG	38		2KJ8206-4EH	41	
2.5 ... 12.7	560	117.82	1.1		2KJ8206-2EG	38		2KJ8206-4EH	41	
2.9 ... 14.4	495	104.31	1.2		2KJ8206-2EG	38		2KJ8206-4EH	41	
3.5 ... 17.3	415	86.82	1.4		2KJ8206-2EG	38		2KJ8206-4EH	41	
3.7 ... 18.4	390	81.71	1.5		2KJ8206-2EG	38		2KJ8206-4EH	41	
4.1 ... 20	350	73.22	1.7		2KJ8206-2EG	38		2KJ8206-4EH	41	
	Z.69-LE80MB.									
4.9 ... 25	290	60.97	2.1		2KJ8106-2EG	37		2KJ8106-4EH	40	
5.4 ... 27	265	55.43	2.3		2KJ8106-2EG	37		2KJ8106-4EH	40	
6.4 ... 32	225	47.14	2.7		2KJ8106-2EG	37		2KJ8106-4EH	40	
7 ... 35	205	42.86	2.9		2KJ8106-2EG	37		2KJ8106-4EH	40	
	D.59-LE80MB.									
2.7 ... 13.6	525	110.12	0.86		2KJ8205-2EG	33		2KJ8205-4EH	36	
3.1 ... 15.4	465	97.5	0.97		2KJ8205-2EG	33		2KJ8205-4EH	36	
3.7 ... 18.5	385	81.15	1.2		2KJ8205-2EG	33		2KJ8205-4EH	36	
3.9 ... 19.6	365	76.38	1.2		2KJ8205-2EG	33		2KJ8205-4EH	36	
4.4 ... 22	325	68.43	1.4		2KJ8205-2EG	33		2KJ8205-4EH	36	
	Z.59-LE80MB.									
5.3 ... 26	270	56.99	1.7		2KJ8105-2EG	33		2KJ8105-4EH	36	
5.8 ... 29	245	51.81	1.8		2KJ8105-2EG	33		2KJ8105-4EH	36	
6.8 ... 34	210	44.06	2.1		2KJ8105-2EG	33		2KJ8105-4EH	36	
7.5 ... 37	191	40.06	2.4		2KJ8105-2EG	33		2KJ8105-4EH	36	
8.4 ... 42	171	35.74	2.6		2KJ8105-2EG	33		2KJ8105-4EH	36	
9.4 ... 47	153	32.05	2.9		2KJ8105-2EG	33		2KJ8105-4EH	36	
10.4 ... 52	138	28.89	3.3		2KJ8105-2EG	33		2KJ8105-4EH	36	
	D.49-LE80MB.									
4 ... 20	350	74.24	0.9		2KJ8204-2EG	31		2KJ8204-4EH	34	
4.3 ... 21	330	69.88	0.96		2KJ8204-2EG	31		2KJ8204-4EH	34	
4.8 ... 24	295	62.61	1.1		2KJ8204-2EG	31		2KJ8204-4EH	34	

Article No. supplements

Motor temperature sensor	without	0
	with Pt1000	1
Motor brake	without	0
(brake voltage 180 V DC)	with see page 5/2	1, 2 or 3
Converter fieldbus communication	see page 5/2	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...



Helical geared motors

Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm										
P _N	n ₂	T ₂	i	f _B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
					Article No.	m		Article No.	m	
kW	rpm	Nm	-	-	(Article No. supplements see below)	kg		(Article No. supplements see below)	kg	
0.75	Z.49-LE80MB.									
5.8 ... 29	245	52.14	1.3		2KJ8104-2EG	31		2KJ8104-4EH	34	
6.3 ... 32	225	47.4	1.4		2KJ8104-2EG	31		2KJ8104-4EH	34	
7.4 ... 37	192	40.31	1.7		2KJ8104-2EG	31		2KJ8104-4EH	34	
8.2 ... 41	175	36.65	1.8		2KJ8104-2EG	31		2KJ8104-4EH	34	
9.2 ... 46	156	32.7	2		2KJ8104-2EG	31		2KJ8104-4EH	34	
10.2 ... 51	140	29.32	2.3		2KJ8104-2EG	31		2KJ8104-4EH	34	
11.4 ... 57	126	26.43	2.5		2KJ8104-2EG	31		2KJ8104-4EH	34	
12.3 ... 62	116	24.39	2.7		2KJ8104-2EG	31		2KJ8104-4EH	34	
13.5 ... 67	106	22.27	3		2KJ8104-2EG	31		2KJ8104-4EH	34	
	Z.39-LE80MB.									
6 ... 30	235	49.75	0.84		2KJ8103-2EG	20		2KJ8103-4EH	23	
6.9 ... 34	205	43.68	0.96		2KJ8103-2EG	20		2KJ8103-4EH	23	
7.6 ... 38	190	39.71	1.1		2KJ8103-2EG	20		2KJ8103-4EH	23	
8.8 ... 44	162	33.97	1.2		2KJ8103-2EG	20		2KJ8103-4EH	23	
9.7 ... 49	147	30.88	1.4		2KJ8103-2EG	20		2KJ8103-4EH	23	
11 ... 55	130	27.3	1.5		2KJ8103-2EG	20		2KJ8103-4EH	23	
12.1 ... 60	119	24.82	1.7		2KJ8103-2EG	20		2KJ8103-4EH	23	
13.8 ... 69	104	21.74	1.9		2KJ8103-2EG	20		2KJ8103-4EH	23	
14.9 ... 75	96	20.07	2.1		2KJ8103-2EG	20		2KJ8103-4EH	23	
16.9 ... 84	85	17.77	2.4		2KJ8103-2EG	20		2KJ8103-4EH	23	
20 ... 101	71	14.79	2.7		2KJ8103-2EG	20		2KJ8103-4EH	23	
22 ... 108	66	13.92	2.8		2KJ8103-2EG	20		2KJ8103-4EH	23	
24 ... 120	60	12.47	3		2KJ8103-2EG	20		2KJ8103-4EH	23	
28 ... 141	51	10.62	3.3		2KJ8103-2EG	20		2KJ8103-4EH	23	
33 ... 165	44	9.1	3.6		2KJ8103-2EG	20		2KJ8103-4EH	23	
	Z.29-LE80MB.									
8.2 ... 41	175	36.72	0.8		2KJ8102-2EG	19		2KJ8102-4EH	22	
9.4 ... 47	152	31.86	0.92		2KJ8102-2EG	19		2KJ8102-4EH	22	
10.4 ... 52	138	28.96	1		2KJ8102-2EG	19		2KJ8102-4EH	22	
12.1 ... 60	119	24.84	1.2		2KJ8102-2EG	19		2KJ8102-4EH	22	
13.3 ... 66	108	22.58	1.3		2KJ8102-2EG	19		2KJ8102-4EH	22	
15.2 ... 76	94	19.8	1.5		2KJ8102-2EG	19		2KJ8102-4EH	22	
17 ... 85	84	17.67	1.7		2KJ8102-2EG	19		2KJ8102-4EH	22	
19 ... 95	75	15.75	1.9		2KJ8102-2EG	19		2KJ8102-4EH	22	
21 ... 103	69	14.54	1.7		2KJ8102-2EG	19		2KJ8102-4EH	22	
24 ... 118	61	12.73	2.3		2KJ8102-2EG	19		2KJ8102-4EH	22	
27 ... 134	53	11.16	2.6		2KJ8102-2EG	19		2KJ8102-4EH	22	
30 ... 148	48	10.12	2.9		2KJ8102-2EG	19		2KJ8102-4EH	22	
31 ... 157	46	9.53	3.1		2KJ8102-2EG	19		2KJ8102-4EH	22	
36 ... 179	40	8.4	3.4		2KJ8102-2EG	19		2KJ8102-4EH	22	
41 ... 206	35	7.29	3.7		2KJ8102-2EG	19		2KJ8102-4EH	22	
43 ... 217	33	6.92	3.7		2KJ8102-2EG	19		2KJ8102-4EH	22	
50 ... 248	29	6.06	3.5		2KJ8102-2EG	19		2KJ8102-4EH	22	
56 ... 282	25	5.31	3.6		2KJ8102-2EG	19		2KJ8102-4EH	22	
62 ... 311	23	4.82	3.7		2KJ8102-2EG	19		2KJ8102-4EH	22	
66 ... 330	22	4.54	3.9		2KJ8102-2EG	19		2KJ8102-4EH	22	
75 ... 375	19	4	4		2KJ8102-2EG	19		2KJ8102-4EH	22	
	Z.19-LE80MB.									
12.3 ... 61	117	24.46	0.86		2KJ8101-2EG	17		2KJ8101-4EH	20	
14.4 ... 72	99	20.82	1		2KJ8101-2EG	17		2KJ8101-4EH	20	
15.9 ... 79	90	18.92	1.1		2KJ8101-2EG	17		2KJ8101-4EH	20	
18.2 ... 91	79	16.5	1.3		2KJ8101-2EG	17		2KJ8101-4EH	20	
20 ... 102	70	14.77	1.3		2KJ8101-2EG	17		2KJ8101-4EH	20	
23 ... 114	63	13.12	1.5		2KJ8101-2EG	17		2KJ8101-4EH	20	
25 ... 124	58	12.11	1.5		2KJ8101-2EG	17		2KJ8101-4EH	20	
29 ... 143	50	10.52	1.7		2KJ8101-2EG	17		2KJ8101-4EH	20	
33 ... 164	44	9.14	1.8		2KJ8101-2EG	17		2KJ8101-4EH	20	
36 ... 182	39	8.25	1.9		2KJ8101-2EG	17		2KJ8101-4EH	20	

Article No. supplements										
Motor temperature sensor	without	0							0	
	with Pt1000	1							1	
Motor brake	without	0							0	
(brake voltage 180 V DC)	with see page 5/2	1, 2 or 3							1, 2 or 3	
Converter fieldbus communication	see page 5/2	B, C, D, E, F or G							B, C, D, E, F or G	
Special versions	see Chapter 4 „Additional Order options“	...							...

Selection and ordering data

Control range 1:5

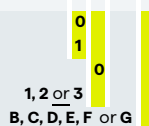
Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B -	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
					Article No. (Article No. supplements see below)	m kg		Article No. (Article No. supplements see below)	m kg	
0.75										
Z.19-LE80MB.										
39 ... 193		37	7.76	2	2KJ8101-2EG	■ ■ -3 ■ H1 -Z	17	2KJ8101-4EH	■ ■ -3 ■ H1 -Z	20
44 ... 222		32	6.77	2.1	2KJ8101-2EG	■ ■ -3 ■ G1 -Z	17	2KJ8101-4EH	■ ■ -3 ■ G1 -Z	20
48 ... 240		30	6.25	1.9	2KJ8101-2EG	■ ■ -3 ■ F1 -Z	17	2KJ8101-4EH	■ ■ -3 ■ F1 -Z	20
55 ... 276		26	5.43	2	2KJ8101-2EG	■ ■ -3 ■ E1 -Z	17	2KJ8101-4EH	■ ■ -3 ■ E1 -Z	20
64 ... 318		22	4.71	2.2	2KJ8101-2EG	■ ■ -3 ■ D1 -Z	17	2KJ8101-4EH	■ ■ -3 ■ D1 -Z	20
70 ... 352		20	4.26	2.3	2KJ8101-2EG	■ ■ -3 ■ C1 -Z	17	2KJ8101-4EH	■ ■ -3 ■ C1 -Z	20
75 ... 374		19	4.01	2.4	2KJ8101-2EG	■ ■ -3 ■ B1 -Z	17	2KJ8101-4EH	■ ■ -3 ■ B1 -Z	20
86 ... 430		17	3.49	2.6	2KJ8101-2EG	■ ■ -3 ■ A1 -Z	17	2KJ8101-4EH	■ ■ -3 ■ A1 -Z	20
E.69-LE80MB.										
32 ... 161		44	9.3	2.7	2KJ8003-2EG	■ ■ -3 ■ S1 -Z	34	2KJ8003-4EH	■ ■ -3 ■ S1 -Z	37
36 ... 178		40	8.45	2.6	2KJ8003-2EG	■ ■ -3 ■ R1 -Z	34	2KJ8003-4EH	■ ■ -3 ■ R1 -Z	37
E.49-LE80MB.										
31 ... 155		46	9.7	1.9	2KJ8002-2EG	■ ■ -3 ■ S1 -Z	27	2KJ8002-4EH	■ ■ -3 ■ S1 -Z	30
34 ... 170		42	8.82	2.6	2KJ8002-2EG	■ ■ -3 ■ R1 -Z	27	2KJ8002-4EH	■ ■ -3 ■ R1 -Z	30
40 ... 200		36	7.5	3	2KJ8002-2EG	■ ■ -3 ■ Q1 -Z	27	2KJ8002-4EH	■ ■ -3 ■ Q1 -Z	30
44 ... 220		33	6.82	3.2	2KJ8002-2EG	■ ■ -3 ■ P1 -Z	27	2KJ8002-4EH	■ ■ -3 ■ P1 -Z	30
49 ... 247		29	6.08	3.6	2KJ8002-2EG	■ ■ -3 ■ N1 -Z	27	2KJ8002-4EH	■ ■ -3 ■ N1 -Z	30
E.39-LE80MB.										
37 ... 183		39	8.2	0.87	2KJ8001-2EG	■ ■ -3 ■ R1 -Z	21	2KJ8001-4EH	■ ■ -3 ■ R1 -Z	24
42 ... 208		34	7.2	1.2	2KJ8001-2EG	■ ■ -3 ■ Q1 -Z	21	2KJ8001-4EH	■ ■ -3 ■ Q1 -Z	24
46 ... 229		31	6.55	1.3	2KJ8001-2EG	■ ■ -3 ■ P1 -Z	21	2KJ8001-4EH	■ ■ -3 ■ P1 -Z	24
54 ... 268		27	5.6	1.5	2KJ8001-2EG	■ ■ -3 ■ N1 -Z	21	2KJ8001-4EH	■ ■ -3 ■ N1 -Z	24
59 ... 295		24	5.09	1.6	2KJ8001-2EG	■ ■ -3 ■ M1 -Z	21	2KJ8001-4EH	■ ■ -3 ■ M1 -Z	24
67 ... 333		22	4.5	2.2	2KJ8001-2EG	■ ■ -3 ■ L1 -Z	21	2KJ8001-4EH	■ ■ -3 ■ L1 -Z	24
73 ... 367		20	4.09	2.5	2KJ8001-2EG	■ ■ -3 ■ K1 -Z	21	2KJ8001-4EH	■ ■ -3 ■ K1 -Z	24
84 ... 419		17	3.58	3.4	2KJ8001-2EG	■ ■ -3 ■ J1 -Z	21	2KJ8001-4EH	■ ■ -3 ■ J1 -Z	24
91 ... 453		16	3.31	3.7	2KJ8001-2EG	■ ■ -3 ■ H1 -Z	21	2KJ8001-4EH	■ ■ -3 ■ H1 -Z	24
1.1										
D.89-LE90S.										
1.1 ... 5.3		1980	283.28	0.85	2KJ8208-2GB	■ ■ -3 ■ R1 -Z	73	2KJ8208-4GC	■ ■ -3 ■ R1 -Z	77
1.2 ... 5.9		1770	254.09	0.94	2KJ8208-2GB	■ ■ -3 ■ Q1 -Z	73	2KJ8208-4GC	■ ■ -3 ■ Q1 -Z	77
1.3 ... 6.6		1600	228.45	1.1	2KJ8208-2GB	■ ■ -3 ■ P1 -Z	73	2KJ8208-4GC	■ ■ -3 ■ P1 -Z	77
1.5 ... 7.3		1440	206.62	1.2	2KJ8208-2GB	■ ■ -3 ■ N1 -Z	73	2KJ8208-4GC	■ ■ -3 ■ N1 -Z	77
1.6 ... 7.9		1330	190.73	1.3	2KJ8208-2GB	■ ■ -3 ■ M1 -Z	73	2KJ8208-4GC	■ ■ -3 ■ M1 -Z	77
1.7 ... 8.6		1220	174.71	1.4	2KJ8208-2GB	■ ■ -3 ■ L1 -Z	73	2KJ8208-4GC	■ ■ -3 ■ L1 -Z	77
2 ... 10.2		1020	146.59	1.6	2KJ8208-2GB	■ ■ -3 ■ K1 -Z	73	2KJ8208-4GC	■ ■ -3 ■ K1 -Z	77
2.2 ... 10.9		965	137.97	1.7	2KJ8208-2GB	■ ■ -3 ■ J1 -Z	73	2KJ8208-4GC	■ ■ -3 ■ J1 -Z	77
2.4 ... 11.9		885	126.58	1.9	2KJ8208-2GB	■ ■ -3 ■ H1 -Z	73	2KJ8208-4GC	■ ■ -3 ■ H1 -Z	77
2.7 ... 13.6		770	110.57	2.2	2KJ8208-2GB	■ ■ -3 ■ G1 -Z	73	2KJ8208-4GC	■ ■ -3 ■ G1 -Z	77
3 ... 15.2		690	98.99	2.4	2KJ8208-2GB	■ ■ -3 ■ F1 -Z	73	2KJ8208-4GC	■ ■ -3 ■ F1 -Z	77
3.5 ... 17.3		605	86.56	2.8	2KJ8208-2GB	■ ■ -3 ■ E1 -Z	73	2KJ8208-4GC	■ ■ -3 ■ E1 -Z	77
D.79-LE90S.										
2.1 ... 10.6		985	141.04	0.85	2KJ8207-2GB	■ ■ -3 ■ J1 -Z	50	2KJ8207-4GC	■ ■ -3 ■ J1 -Z	54
2.6 ... 12.8		820	117.03	1	2KJ8207-2GB	■ ■ -3 ■ H1 -Z	50	2KJ8207-4GC	■ ■ -3 ■ H1 -Z	54
2.9 ... 14.4		725	104.03	1.2	2KJ8207-2GB	■ ■ -3 ■ F1 -Z	50	2KJ8207-4GC	■ ■ -3 ■ F1 -Z	54
2.7 ... 13.6		770	110.14	1.1	2KJ8207-2GB	■ ■ -3 ■ G1 -Z	50	2KJ8207-4GC	■ ■ -3 ■ G1 -Z	54
3.4 ... 16.9		620	88.52	1.4	2KJ8207-2GB	■ ■ -3 ■ E1 -Z	50	2KJ8207-4GC	■ ■ -3 ■ E1 -Z	54
4 ... 19.8		530	75.83	1.6	2KJ8207-2GB	■ ■ -3 ■ D1 -Z	50	2KJ8207-4GC	■ ■ -3 ■ D1 -Z	54
4.5 ... 22		465	66.67	1.8	2KJ8207-2GB	■ ■ -3 ■ C1 -Z	50	2KJ8207-4GC	■ ■ -3 ■ C1 -Z	54
Z.79-LE90S.										
5.5 ... 28		380	54.47	2.2	2KJ8107-2GB	■ ■ -3 ■ A2 -Z	49	2KJ8107-4GC	■ ■ -3 ■ A2 -Z	53
6.1 ... 30		345	49.52	2.4	2KJ8107-2GB	■ ■ -3 ■ X1 -Z	49	2KJ8107-4GC	■ ■ -3 ■ X1 -Z	53
6.8 ... 34		310	44.42	2.7	2KJ8107-2GB	■ ■ -3 ■ W1 -Z	49	2KJ8107-4GC	■ ■ -3 ■ W1 -Z	53
7.5 ... 38		280	39.94	3	2KJ8107-2GB	■ ■ -3 ■ V1 -Z	49	2KJ8107-4GC	■ ■ -3 ■ V1 -Z	53
D.69-LE90S.										
2.9 ... 14.4		730	104.31	0.82	2KJ8206-2GB	■ ■ -3 ■ G1 -Z	38	2KJ8206-4GC	■ ■ -3 ■ G1 -Z	42
3.5 ... 17.3		605	86.82	0.99	2KJ8206-2GB	■ ■ -3 ■ F1 -Z	38	2KJ8206-4GC	■ ■ -3 ■ F1 -Z	42
3.7 ... 18.4		570	81.71	1	2KJ8206-2GB	■ ■ -3 ■ E1 -Z	38	2KJ8206-4GC	■ ■ -3 ■ E1 -Z	42
4.1 ... 20		510	73.22	1.2	2KJ8206-2GB	■ ■ -3 ■ D1 -Z	38	2KJ8206-4GC	■ ■ -3 ■ D1 -Z	42

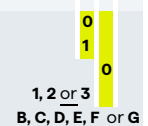
Article No. supplements

Motor temperature sensor	without with Pt1000	0 1
Motor brake (brake voltage 180 V DC)	without with see page 5/2	0 1, 2 or 3
Converter fieldbus communication	see page 5/2	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...

Order code



Order code



Helical geared motors

Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

P _N	n ₂	T ₂	i	f _B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4			
					Article No.	m		Article No.	m		
kW	rpm	Nm	-	-	(Article No. supplements see below)	kg		(Article No. supplements see below)	kg		
1.1	Z.69-LE90S.										
	4.9 ... 25	425	60.97	1.4	2KJ8106-2GB	38		2KJ8106-4GC	42		
	5.4 ... 27	385	55.43	1.5	2KJ8106-2GB	38	X1 -Z	2KJ8106-4GC	42	X1 -Z	
	6.4 ... 32	330	47.14	1.8	2KJ8106-2GB	38	W1 -Z	2KJ8106-4GC	42	W1 -Z	
	7 ... 35	300	42.86	2	2KJ8106-2GB	38	V1 -Z	2KJ8106-4GC	42	V1 -Z	
	7.8 ... 39	265	38.24	2.2	2KJ8106-2GB	38	U1 -Z	2KJ8106-4GC	42	U1 -Z	
	8.7 ... 44	240	34.29	2.5	2KJ8106-2GB	38	T1 -Z	2KJ8106-4GC	42	T1 -Z	
	9.7 ... 49	215	30.9	2.8	2KJ8106-2GB	38	S1 -Z	2KJ8106-4GC	42	S1 -Z	
	10.5 ... 53	200	28.53	3	2KJ8106-2GB	38	R1 -Z	2KJ8106-4GC	42	R1 -Z	
	11.5 ... 58	182	26.04	3.3	2KJ8106-2GB	38	Q1 -Z	2KJ8106-4GC	42	Q1 -Z	
	D.59-LE90S.										
	3.9 ... 19.6	535	76.38	0.84	2KJ8205-2GB	34	E1 -Z	2KJ8205-4GC	38	E1 -Z	
	4.4 ... 22	475	68.43	0.94	2KJ8205-2GB	34	D1 -Z	2KJ8205-4GC	38	D1 -Z	
	Z.59-LE90S.										
	5.3 ... 26	395	56.99	1.1	2KJ8105-2GB	33	A2 -Z	2KJ8105-4GC	37	A2 -Z	
	5.8 ... 29	360	51.81	1.2	2KJ8105-2GB	33	X1 -Z	2KJ8105-4GC	37	X1 -Z	
	6.8 ... 34	305	44.06	1.5	2KJ8105-2GB	33	W1 -Z	2KJ8105-4GC	37	W1 -Z	
	7.5 ... 37	280	40.06	1.6	2KJ8105-2GB	33	V1 -Z	2KJ8105-4GC	37	V1 -Z	
	8.4 ... 42	250	35.74	1.8	2KJ8105-2GB	33	U1 -Z	2KJ8105-4GC	37	U1 -Z	
9.4 ... 47	220	32.05	2	2KJ8105-2GB	33	T1 -Z	2KJ8105-4GC	37	T1 -Z		
10.4 ... 52	200	28.89	2.2	2KJ8105-2GB	33	S1 -Z	2KJ8105-4GC	37	S1 -Z		
11.3 ... 56	187	26.66	2.4	2KJ8105-2GB	33	R1 -Z	2KJ8105-4GC	37	R1 -Z		
12.3 ... 62	170	24.34	2.6	2KJ8105-2GB	33	Q1 -Z	2KJ8105-4GC	37	Q1 -Z		
14.9 ... 74	141	20.2	3.2	2KJ8105-2GB	33	P1 -Z	2KJ8105-4GC	37	P1 -Z		
15.8 ... 79	133	19.01	3.4	2KJ8105-2GB	33	N1 -Z	2KJ8105-4GC	37	N1 -Z		
Z.49-LE90S.											
5.8 ... 29	365	52.14	0.88	2KJ8104-2GB	31	B2 -Z	2KJ8104-4GC	35	B2 -Z		
6.3 ... 32	330	47.4	0.96	2KJ8104-2GB	31	A2 -Z	2KJ8104-4GC	35	A2 -Z		
7.4 ... 37	280	40.31	1.1	2KJ8104-2GB	31	X1 -Z	2KJ8104-4GC	35	X1 -Z		
8.2 ... 41	255	36.65	1.2	2KJ8104-2GB	31	W1 -Z	2KJ8104-4GC	35	W1 -Z		
9.2 ... 46	225	32.7	1.4	2KJ8104-2GB	31	V1 -Z	2KJ8104-4GC	35	V1 -Z		
10.2 ... 51	205	29.32	1.6	2KJ8104-2GB	31	U1 -Z	2KJ8104-4GC	35	U1 -Z		
11.4 ... 57	185	26.43	1.7	2KJ8104-2GB	31	T1 -Z	2KJ8104-4GC	35	T1 -Z		
12.3 ... 62	171	24.39	1.9	2KJ8104-2GB	31	S1 -Z	2KJ8104-4GC	35	S1 -Z		
13.5 ... 67	156	22.27	2.1	2KJ8104-2GB	31	R1 -Z	2KJ8104-4GC	35	R1 -Z		
16.2 ... 81	129	18.48	2.5	2KJ8104-2GB	31	Q1 -Z	2KJ8104-4GC	35	Q1 -Z		
17.3 ... 86	122	17.39	2.6	2KJ8104-2GB	31	P1 -Z	2KJ8104-4GC	35	P1 -Z		
18.3 ... 91	115	16.42	2.8	2KJ8104-2GB	31	N1 -Z	2KJ8104-4GC	35	N1 -Z		
21 ... 107	98	13.98	3.3	2KJ8104-2GB	31	M1 -Z	2KJ8104-4GC	35	M1 -Z		
Z.39-LE90S.											
8.8 ... 44	235	33.97	0.84	2KJ8103-2GB	22	U1 -Z	2KJ8103-4GC	26	U1 -Z		
9.7 ... 49	215	30.88	0.92	2KJ8103-2GB	22	T1 -Z	2KJ8103-4GC	26	T1 -Z		
11 ... 55	191	27.3	1	2KJ8103-2GB	22	S1 -Z	2KJ8103-4GC	26	S1 -Z		
12.1 ... 60	174	24.82	1.2	2KJ8103-2GB	22	R1 -Z	2KJ8103-4GC	26	R1 -Z		
13.8 ... 69	152	21.74	1.3	2KJ8103-2GB	22	Q1 -Z	2KJ8103-4GC	26	Q1 -Z		
14.9 ... 75	141	20.07	1.4	2KJ8103-2GB	22	P1 -Z	2KJ8103-4GC	26	P1 -Z		
16.9 ... 84	124	17.77	1.6	2KJ8103-2GB	22	N1 -Z	2KJ8103-4GC	26	N1 -Z		
20 ... 101	104	14.79	1.9	2KJ8103-2GB	22	M1 -Z	2KJ8103-4GC	26	M1 -Z		
22 ... 108	98	13.92	1.9	2KJ8103-2GB	22	L1 -Z	2KJ8103-4GC	26	L1 -Z		
24 ... 120	87	12.47	2.1	2KJ8103-2GB	22	K1 -Z	2KJ8103-4GC	26	K1 -Z		
28 ... 141	74	10.62	2.3	2KJ8103-2GB	22	J1 -Z	2KJ8103-4GC	26	J1 -Z		
33 ... 165	64	9.1	2.5	2KJ8103-2GB	22	H1 -Z	2KJ8103-4GC	26	H1 -Z		
38 ... 191	55	7.84	2.7	2KJ8103-2GB	22	G1 -Z	2KJ8103-4GC	26	G1 -Z		
46 ... 232	45	6.46	3.2	2KJ8103-2GB	22	F1 -Z	2KJ8103-4GC	26	F1 -Z		
49 ... 247	43	6.08	3.5	2KJ8103-2GB	22	E1 -Z	2KJ8103-4GC	26	E1 -Z		
55 ... 275	38	5.45	3.7	2KJ8103-2GB	22	D1 -Z	2KJ8103-4GC	26	D1 -Z		
65 ... 323	32	4.64	4	2KJ8103-2GB	22	C1 -Z	2KJ8103-4GC	26	C1 -Z		

Article No. supplements		Order code		Order code
Motor temperature sensor	without	0		0
	with Pt1000	1		1
Motor brake	without	0		0
(brake voltage 180 V DC)	with see page 5/2	1, 2 or 3		1, 2 or 3
Converter fieldbus communication	see page 5/2	B, C, D, E, F or G		B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...		...

Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm										
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	Article No.	m
					(Article No. supplements see below)			(Article No. supplements see below)		
1.1										
Z.29-LE90S.										
12.1 ... 60	174	24.84	0.8	0.8	2KJ8102-2GB	21	2KJ8102-4GC	25		
13.3 ... 66	158	22.58	0.89	0.89	2KJ8102-2GB	21	2KJ8102-4GC	25		
15.2 ... 76	139	19.8	1	1	2KJ8102-2GB	21	2KJ8102-4GC	25		
17 ... 85	124	17.67	1.1	1.1	2KJ8102-2GB	21	2KJ8102-4GC	25		
19 ... 95	110	15.75	1.3	1.3	2KJ8102-2GB	21	2KJ8102-4GC	25		
21 ... 103	102	14.54	1.2	1.2	2KJ8102-2GB	21	2KJ8102-4GC	25		
24 ... 118	89	12.73	1.6	1.6	2KJ8102-2GB	21	2KJ8102-4GC	25		
27 ... 134	78	11.16	1.8	1.8	2KJ8102-2GB	21	2KJ8102-4GC	25		
30 ... 148	71	10.12	2	2	2KJ8102-2GB	21	2KJ8102-4GC	25		
31 ... 157	67	9.53	2.1	2.1	2KJ8102-2GB	21	2KJ8102-4GC	25		
36 ... 179	59	8.4	2.3	2.3	2KJ8102-2GB	21	2KJ8102-4GC	25		
41 ... 206	51	7.29	2.5	2.5	2KJ8102-2GB	21	2KJ8102-4GC	25		
43 ... 217	48	6.92	1.5	1.5	2KJ8102-2GB	21	2KJ8102-4GC	25		
50 ... 248	42	6.06	2.4	2.4	2KJ8102-2GB	21	2KJ8102-4GC	25		
56 ... 282	37	5.31	2.4	2.4	2KJ8102-2GB	21	2KJ8102-4GC	25		
62 ... 311	34	4.82	2.5	2.5	2KJ8102-2GB	21	2KJ8102-4GC	25		
66 ... 330	32	4.54	2.6	2.6	2KJ8102-2GB	21	2KJ8102-4GC	25		
75 ... 375	28	4	2.7	2.7	2KJ8102-2GB	21	2KJ8102-4GC	25		
86 ... 432	24	3.47	2.9	2.9	2KJ8102-2GB	21	2KJ8102-4GC	25		
E.69-LE90S.										
32 ... 161	65	9.3	1.8	1.8	2KJ8003-2GB	34	2KJ8003-4GC	38		
36 ... 178	59	8.45	1.8	1.8	2KJ8003-2GB	34	2KJ8003-4GC	38		
44 ... 220	48	6.82	3.6	3.6	2KJ8003-2GB	34	2KJ8003-4GC	38		
E.49-LE90S.										
31 ... 155	68	9.7	1.3	1.3	2KJ8002-2GB	27	2KJ8002-4GC	31		
34 ... 170	62	8.82	1.7	1.7	2KJ8002-2GB	27	2KJ8002-4GC	31		
40 ... 200	52	7.5	2	2	2KJ8002-2GB	27	2KJ8002-4GC	31		
44 ... 220	48	6.82	2.2	2.2	2KJ8002-2GB	27	2KJ8002-4GC	31		
49 ... 247	43	6.08	2.4	2.4	2KJ8002-2GB	27	2KJ8002-4GC	31		
55 ... 275	38	5.45	2.7	2.7	2KJ8002-2GB	27	2KJ8002-4GC	31		
61 ... 305	34	4.92	3	3	2KJ8002-2GB	27	2KJ8002-4GC	31		
66 ... 330	32	4.54	3.2	3.2	2KJ8002-2GB	27	2KJ8002-4GC	31		
72 ... 362	29	4.14	3.5	3.5	2KJ8002-2GB	27	2KJ8002-4GC	31		
87 ... 436	24	3.44	4.2	4.2	2KJ8002-2GB	27	2KJ8002-4GC	31		
E.39-LE90S.										
46 ... 229	46	6.55	0.87	0.87	2KJ8001-2GB	23	2KJ8001-4GC	27		
54 ... 268	39	5.6	1	1	2KJ8001-2GB	23	2KJ8001-4GC	27		
59 ... 295	36	5.09	1.1	1.1	2KJ8001-2GB	23	2KJ8001-4GC	27		
67 ... 333	32	4.5	1.5	1.5	2KJ8001-2GB	23	2KJ8001-4GC	27		
73 ... 367	29	4.09	1.7	1.7	2KJ8001-2GB	23	2KJ8001-4GC	27		
84 ... 419	25	3.58	2.3	2.3	2KJ8001-2GB	23	2KJ8001-4GC	27		
91 ... 453	23	3.31	2.5	2.5	2KJ8001-2GB	23	2KJ8001-4GC	27		
102 ... 512	20	2.93	3.2	3.2	2KJ8001-2GB	23	2KJ8001-4GC	27		
123 ... 615	17	2.44	3.8	3.8	2KJ8001-2GB	23	2KJ8001-4GC	27		
131 ... 655	16	2.29	4.1	4.1	2KJ8001-2GB	23	2KJ8001-4GC	27		
1.5										
D.89-LE90L.										
1.5 ... 7.3	1970	206.62	0.85	0.85	2KJ8208-2GG	76	2KJ8208-4GH	79		
1.6 ... 7.9	1820	190.73	0.92	0.92	2KJ8208-2GG	76	2KJ8208-4GH	79		
1.7 ... 8.6	1660	174.71	1	1	2KJ8208-2GG	76	2KJ8208-4GH	79		
2 ... 10.2	1400	146.59	1.2	1.2	2KJ8208-2GG	76	2KJ8208-4GH	79		
2.2 ... 10.9	1310	137.97	1.3	1.3	2KJ8208-2GG	76	2KJ8208-4GH	79		
2.4 ... 11.9	1200	126.58	1.4	1.4	2KJ8208-2GG	76	2KJ8208-4GH	79		
2.7 ... 13.6	1050	110.57	1.6	1.6	2KJ8208-2GG	76	2KJ8208-4GH	79		
3 ... 15.2	945	98.99	1.8	1.8	2KJ8208-2GG	76	2KJ8208-4GH	79		
3.5 ... 17.3	825	86.56	2	2	2KJ8208-2GG	76	2KJ8208-4GH	79		
4 ... 20	710	74.3	2.4	2.4	2KJ8208-2GG	76	2KJ8208-4GH	79		
4.6 ... 23	625	65.67	2.7	2.7	2KJ8208-2GG	76	2KJ8208-4GH	79		
Article No. supplements					Order code					
Motor temperature sensor	without with Pt1000				0 1					
Motor brake (brake voltage 180 V DC)	without with see page 5/2				0 1, 2 or 3					
Converter fieldbus communication see page 5/2					B, C, D, E, F or G					
Special versions see Chapter 4 „Additional Order options“					...					

Helical geared motors

Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm										
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	Article No.	m
					(Article No. supplements see below)			(Article No. supplements see below)		
1.5	Z.89-LE90L.									
	5.2 ... 26	545	57.36	3.1	2KJ8108-2GG	75	2KJ8108-4GH	78		
	D.79-LE90L.									
	2.9 ... 14.4	990	104.03	0.85	2KJ8207-2GG	53	2KJ8207-4GH	56		
	2.7 ... 13.6	1050	110.14	0.8	2KJ8207-2GG	53	2KJ8207-4GH	56		
	3.4 ... 16.9	845	88.52	0.99	2KJ8207-2GG	53	2KJ8207-4GH	56		
	4 ... 19.8	720	75.83	1.2	2KJ8207-2GG	53	2KJ8207-4GH	56		
	4.5 ... 22	635	66.67	1.3	2KJ8207-2GG	53	2KJ8207-4GH	56		
	Z.79-LE90L.									
	5.5 ... 28	520	54.47	1.6	2KJ8107-2GG	52	2KJ8107-4GH	55		
	6.1 ... 30	470	49.52	1.8	2KJ8107-2GG	52	2KJ8107-4GH	55		
	6.8 ... 34	420	44.42	2	2KJ8107-2GG	52	2KJ8107-4GH	55		
	7.5 ... 38	380	39.94	2.2	2KJ8107-2GG	52	2KJ8107-4GH	55		
	8.3 ... 42	345	36.12	2.4	2KJ8107-2GG	52	2KJ8107-4GH	55		
	9 ... 45	315	33.34	2.6	2KJ8107-2GG	52	2KJ8107-4GH	55		
	9.8 ... 49	290	30.54	2.9	2KJ8107-2GG	52	2KJ8107-4GH	55		
	D.69-LE90L.									
	4.1 ... 20	695	73.22	0.86	2KJ8206-2GG	41	2KJ8206-4GH	44		
	Z.69-LE90L.									
	4.9 ... 25	580	60.97	1	2KJ8106-2GG	41	2KJ8106-4GH	44		
	5.4 ... 27	525	55.43	1.1	2KJ8106-2GG	41	2KJ8106-4GH	44		
	6.4 ... 32	450	47.14	1.3	2KJ8106-2GG	41	2KJ8106-4GH	44		
	7 ... 35	405	42.86	1.5	2KJ8106-2GG	41	2KJ8106-4GH	44		
	7.8 ... 39	365	38.24	1.6	2KJ8106-2GG	41	2KJ8106-4GH	44		
	8.7 ... 44	325	34.29	1.8	2KJ8106-2GG	41	2KJ8106-4GH	44		
	9.7 ... 49	295	30.9	2	2KJ8106-2GG	41	2KJ8106-4GH	44		
	10.5 ... 53	270	28.53	2.2	2KJ8106-2GG	41	2KJ8106-4GH	44		
	11.5 ... 58	245	26.04	2.4	2KJ8106-2GG	41	2KJ8106-4GH	44		
	13.9 ... 69	205	21.61	2.9	2KJ8106-2GG	41	2KJ8106-4GH	44		
	14.7 ... 74	194	20.34	3.1	2KJ8106-2GG	41	2KJ8106-4GH	44		
	15.6 ... 78	183	19.21	3.3	2KJ8106-2GG	41	2KJ8106-4GH	44		
	Z.59-LE90L.									
	5.3 ... 26	540	56.99	0.83	2KJ8105-2GG	36	2KJ8105-4GH	39		
	5.8 ... 29	495	51.81	0.91	2KJ8105-2GG	36	2KJ8105-4GH	39		
	6.8 ... 34	420	44.06	1.1	2KJ8105-2GG	36	2KJ8105-4GH	39		
	7.5 ... 37	380	40.06	1.2	2KJ8105-2GG	36	2KJ8105-4GH	39		
	8.4 ... 42	340	35.74	1.3	2KJ8105-2GG	36	2KJ8105-4GH	39		
	9.4 ... 47	305	32.05	1.5	2KJ8105-2GG	36	2KJ8105-4GH	39		
	10.4 ... 52	275	28.89	1.6	2KJ8105-2GG	36	2KJ8105-4GH	39		
	11.3 ... 56	255	26.66	1.8	2KJ8105-2GG	36	2KJ8105-4GH	39		
	12.3 ... 62	230	24.34	1.9	2KJ8105-2GG	36	2KJ8105-4GH	39		
	14.9 ... 74	193	20.2	2.3	2KJ8105-2GG	36	2KJ8105-4GH	39		
	15.8 ... 79	182	19.01	2.5	2KJ8105-2GG	36	2KJ8105-4GH	39		
	16.7 ... 84	171	17.95	2.6	2KJ8105-2GG	36	2KJ8105-4GH	39		
	19.6 ... 98	146	15.27	3.1	2KJ8105-2GG	36	2KJ8105-4GH	39		
	Z.49-LE90L.									
	7.4 ... 37	385	40.31	0.83	2KJ8104-2GG	34	2KJ8104-4GH	37		
	8.2 ... 41	350	36.65	0.91	2KJ8104-2GG	34	2KJ8104-4GH	37		
	9.2 ... 46	310	32.7	1	2KJ8104-2GG	34	2KJ8104-4GH	37		
	10.2 ... 51	280	29.32	1.1	2KJ8104-2GG	34	2KJ8104-4GH	37		
	11.4 ... 57	250	26.43	1.3	2KJ8104-2GG	34	2KJ8104-4GH	37		
	12.3 ... 62	230	24.39	1.4	2KJ8104-2GG	34	2KJ8104-4GH	37		
	13.5 ... 67	210	22.27	1.5	2KJ8104-2GG	34	2KJ8104-4GH	37		
	16.2 ... 81	176	18.48	1.8	2KJ8104-2GG	34	2KJ8104-4GH	37		
	17.3 ... 86	166	17.39	1.9	2KJ8104-2GG	34	2KJ8104-4GH	37		
	18.3 ... 91	157	16.42	2	2KJ8104-2GG	34	2KJ8104-4GH	37		
	21 ... 107	134	13.98	2.4	2KJ8104-2GG	34	2KJ8104-4GH	37		
	25 ... 125	114	11.97	2.8	2KJ8104-2GG	34	2KJ8104-4GH	37		
	28 ... 142	101	10.53	3.2	2KJ8104-2GG	34	2KJ8104-4GH	37		

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	
Motor brake (brake voltage 180 V DC)	without with see page 5/2	0 1, 2 or 3	
Converter fieldbus communication	see page 5/2	B, C, D, E, F or G	
Special versions	see Chapter 4 „Additional Order options“	...	

5

Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
1.5	Z.39-LE90L.							
	12.1 ... 60	235	24.82	0.84	2KJ8103-2GG	25	2KJ8103-4GH	28
	13.8 ... 69	205	21.74	0.96	2KJ8103-2GG	25	2KJ8103-4GH	28
	14.9 ... 75	192	20.07	1	2KJ8103-2GG	25	2KJ8103-4GH	28
	16.9 ... 84	170	17.77	1.2	2KJ8103-2GG	25	2KJ8103-4GH	28
	20 ... 101	141	14.79	1.4	2KJ8103-2GG	25	2KJ8103-4GH	28
	22 ... 108	133	13.92	1.4	2KJ8103-2GG	25	2KJ8103-4GH	28
	24 ... 120	119	12.47	1.5	2KJ8103-2GG	25	2KJ8103-4GH	28
	28 ... 141	101	10.62	1.7	2KJ8103-2GG	25	2KJ8103-4GH	28
	33 ... 165	87	9.1	1.8	2KJ8103-2GG	25	2KJ8103-4GH	28
	38 ... 191	75	7.84	2	2KJ8103-2GG	25	2KJ8103-4GH	28
	46 ... 232	62	6.46	2.4	2KJ8103-2GG	25	2KJ8103-4GH	28
	49 ... 247	58	6.08	2.5	2KJ8103-2GG	25	2KJ8103-4GH	28
	55 ... 275	52	5.45	2.7	2KJ8103-2GG	25	2KJ8103-4GH	28
	65 ... 323	44	4.64	2.9	2KJ8103-2GG	25	2KJ8103-4GH	28
	75 ... 377	38	3.98	3.2	2KJ8103-2GG	25	2KJ8103-4GH	28
	87 ... 437	33	3.43	3.4	2KJ8103-2GG	25	2KJ8103-4GH	28
	Z.29-LE90L.							
	17 ... 85	169	17.67	0.83	2KJ8102-2GG	24	2KJ8102-4GH	27
	19 ... 95	150	15.75	0.93	2KJ8102-2GG	24	2KJ8102-4GH	27
	21 ... 103	139	14.54	0.86	2KJ8102-2GG	24	2KJ8102-4GH	27
	24 ... 118	122	12.73	1.2	2KJ8102-2GG	24	2KJ8102-4GH	27
	27 ... 134	107	11.16	1.3	2KJ8102-2GG	24	2KJ8102-4GH	27
	30 ... 148	97	10.12	1.4	2KJ8102-2GG	24	2KJ8102-4GH	27
	31 ... 157	91	9.53	1.5	2KJ8102-2GG	24	2KJ8102-4GH	27
	36 ... 179	80	8.4	1.7	2KJ8102-2GG	24	2KJ8102-4GH	27
	41 ... 206	70	7.29	1.9	2KJ8102-2GG	24	2KJ8102-4GH	27
	43 ... 217	66	6.92	1.1	2KJ8102-2GG	24	2KJ8102-4GH	27
	50 ... 248	58	6.06	1.7	2KJ8102-2GG	24	2KJ8102-4GH	27
	56 ... 282	51	5.31	1.8	2KJ8102-2GG	24	2KJ8102-4GH	27
	62 ... 311	46	4.82	1.9	2KJ8102-2GG	24	2KJ8102-4GH	27
	66 ... 330	43	4.54	1.9	2KJ8102-2GG	24	2KJ8102-4GH	27
	75 ... 375	38	4	2	2KJ8102-2GG	24	2KJ8102-4GH	27
	86 ... 432	33	3.47	2.1	2KJ8102-2GG	24	2KJ8102-4GH	27
	E.89-LE90L.							
31 ... 155	92	9.67	3	2KJ8004-2GG	53	2KJ8004-4GH	56	
34 ... 172	83	8.73	3.4	2KJ8004-2GG	53	2KJ8004-4GH	56	
38 ... 189	76	7.92	3.7	2KJ8004-2GG	53	2KJ8004-4GH	56	
41 ... 205	70	7.31	3.7	2KJ8004-2GG	53	2KJ8004-4GH	56	
E.69-LE90L.								
32 ... 161	89	9.3	1.4	2KJ8003-2GG	37	2KJ8003-4GH	40	
36 ... 178	81	8.45	1.3	2KJ8003-2GG	37	2KJ8003-4GH	40	
40 ... 198	72	7.58	2.8	2KJ8003-2GG	37	2KJ8003-4GH	40	
44 ... 220	65	6.82	2.6	2KJ8003-2GG	37	2KJ8003-4GH	40	
49 ... 243	59	6.17	3.5	2KJ8003-2GG	37	2KJ8003-4GH	40	
53 ... 264	54	5.69	3	2KJ8003-2GG	37	2KJ8003-4GH	40	
E.49-LE90L.								
31 ... 155	93	9.7	0.93	2KJ8002-2GG	30	2KJ8002-4GH	33	
34 ... 170	84	8.82	1.3	2KJ8002-2GG	30	2KJ8002-4GH	33	
40 ... 200	72	7.5	1.5	2KJ8002-2GG	30	2KJ8002-4GH	33	
44 ... 220	65	6.82	1.6	2KJ8002-2GG	30	2KJ8002-4GH	33	
49 ... 247	58	6.08	1.8	2KJ8002-2GG	30	2KJ8002-4GH	33	
55 ... 275	52	5.45	2	2KJ8002-2GG	30	2KJ8002-4GH	33	
61 ... 305	47	4.92	2.2	2KJ8002-2GG	30	2KJ8002-4GH	33	
66 ... 330	43	4.54	2.4	2KJ8002-2GG	30	2KJ8002-4GH	33	
72 ... 362	40	4.14	2.6	2KJ8002-2GG	30	2KJ8002-4GH	33	
87 ... 436	33	3.44	3.1	2KJ8002-2GG	30	2KJ8002-4GH	33	
93 ... 463	31	3.24	3.3	2KJ8002-2GG	30	2KJ8002-4GH	33	
98 ... 490	29	3.06	3.5	2KJ8002-2GG	30	2KJ8002-4GH	33	

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see page 5/2	1, 2 or 3	1, 2 or 3
Converter fieldbus communication	see page 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions see Chapter 4 „Additional Order options“		...+...	...+...

Helical geared motors

Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm										
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	Article No.	m
					(Article No. supplements see below)	kg	(Article No. supplements see below)	kg	(Article No. supplements see below)	kg
1.5										
E.49-LE90L.										
115 ... 577		25	2.6	4.1	2KJ8002-2GG	30	2KJ8002-4GH	33		
E.39-LE90L.										
59 ... 295	49	5.09	0.82		2KJ8001-2GG	26	2KJ8001-4GH	29		
67 ... 333	43	4.5	1.1		2KJ8001-2GG	26	2KJ8001-4GH	29		
73 ... 367	39	4.09	1.2		2KJ8001-2GG	26	2KJ8001-4GH	29		
84 ... 419	34	3.58	1.7		2KJ8001-2GG	26	2KJ8001-4GH	29		
91 ... 453	32	3.31	1.8		2KJ8001-2GG	26	2KJ8001-4GH	29		
102 ... 512	28	2.93	2.3		2KJ8001-2GG	26	2KJ8001-4GH	29		
123 ... 615	23	2.44	2.8		2KJ8001-2GG	26	2KJ8001-4GH	29		
131 ... 655	22	2.29	3		2KJ8001-2GG	26	2KJ8001-4GH	29		
146 ... 728	20	2.06	3.4		2KJ8001-2GG	26	2KJ8001-4GH	29		
171 ... 857	17	1.75	3.9		2KJ8001-2GG	26	2KJ8001-4GH	29		
200 ... 1000	14	1.5	4.3		2KJ8001-2GG	26	2KJ8001-4GH	29		
233 ... 1163	12	1.29	4.4		2KJ8001-2GG	26	2KJ8001-4GH	29		
2.2										
D.89-LE100LA.										
2 ... 10.2	2050	146.59	0.82		2KJ8208-2JB	94	-	-		
2.2 ... 10.9	1930	137.97	0.87		2KJ8208-2JB	94	-	-		
2.4 ... 11.9	1770	126.58	0.95		2KJ8208-2JB	94	-	-		
2.7 ... 13.6	1540	110.57	1.1		2KJ8208-2JB	94	-	-		
3 ... 15.2	1380	98.99	1.2		2KJ8208-2JB	94	-	-		
3.5 ... 17.3	1210	86.56	1.4		2KJ8208-2JB	94	-	-		
4 ... 20	1040	74.3	1.6		2KJ8208-2JB	94	-	-		
4.6 ... 23	920	65.67	1.8		2KJ8208-2JB	94	-	-		
D.89-LE112MA.										
2 ... 10.2	2050	146.59	0.82		-	-	2KJ8208-4LC	97		
2.2 ... 10.9	1930	137.97	0.87		-	-	2KJ8208-4LC	97		
2.4 ... 11.9	1770	126.58	0.95		-	-	2KJ8208-4LC	97		
2.7 ... 13.6	1540	110.57	1.1		-	-	2KJ8208-4LC	97		
3 ... 15.2	1380	98.99	1.2		-	-	2KJ8208-4LC	97		
3.5 ... 17.3	1210	86.56	1.4		-	-	2KJ8208-4LC	97		
4 ... 20	1040	74.3	1.6		-	-	2KJ8208-4LC	97		
4.6 ... 23	920	65.67	1.8		-	-	2KJ8208-4LC	97		
Z.89-LE100LA.										
5.2 ... 26	800	57.36	2.1		2KJ8108-2JB	93	-	-		
5.8 ... 29	725	51.78	2.3		2KJ8108-2JB	93	-	-		
6.4 ... 32	655	46.97	2.6		2KJ8108-2JB	93	-	-		
6.9 ... 35	605	43.36	2.8		2KJ8108-2JB	93	-	-		
7.6 ... 38	550	39.41	3		2KJ8108-2JB	93	-	-		
Z.89-LE112MA.										
5.2 ... 26	800	57.36	2.1		-	-	2KJ8108-4LC	96		
5.8 ... 29	725	51.78	2.3		-	-	2KJ8108-4LC	96		
6.4 ... 32	655	46.97	2.6		-	-	2KJ8108-4LC	96		
6.9 ... 35	605	43.36	2.8		-	-	2KJ8108-4LC	96		
7.6 ... 38	550	39.41	3		-	-	2KJ8108-4LC	96		
D.79-LE100LA.										
4.5 ... 22	930	66.67	0.9		2KJ8207-2JB	71	-	-		
5.3 ... 27	785	56.25	1.1		2KJ8207-2JB	71	-	-		
6.1 ... 31	685	49.02	1.2		2KJ8207-2JB	71	-	-		
D.79-LE112MA.										
4.5 ... 22	930	66.67	0.9		-	-	2KJ8207-4LC	75		
5.3 ... 27	785	56.25	1.1		-	-	2KJ8207-4LC	75		
6.1 ... 31	685	49.02	1.2		-	-	2KJ8207-4LC	75		
Z.79-LE100LA.										
6.8 ... 34	620	44.42	1.4		2KJ8107-2JB	70	-	-		
7.5 ... 38	555	39.94	1.5		2KJ8107-2JB	70	-	-		
8.3 ... 42	505	36.12	1.7		2KJ8107-2JB	70	-	-		
9 ... 45	465	33.34	1.8		2KJ8107-2JB	70	-	-		
9.8 ... 49	425	30.54	2		2KJ8107-2JB	70	-	-		
Article No. supplements										
Motor temperature sensor	without				0					
	with Pt1000				1					
Motor brake	without				0					
(brake voltage 180 V DC)	with see page 5/2				1, 2 or 3					
Converter fieldbus communication	see page 5/2				B, C, D, E, F or G					
Special versions	see Chapter 4 „Additional Order options“				...					
						Order code		Order code		

Selection and ordering data

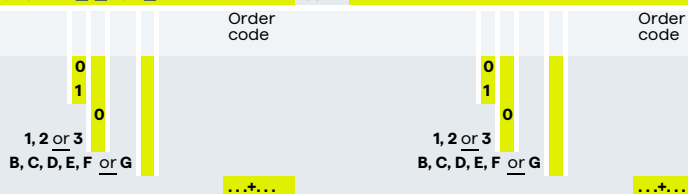
Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B -	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
					Article No. (Article No. supplements see below)	m kg		Article No. (Article No. supplements see below)	m kg	
2.2	Z.79-LE100LA.									
11.7 ... 59	355	25.62	2.3		2KJ8107-2JB	■ ■ -3 ■ R1 -Z	70	-		-
12.4 ... 62	335	24.12	2.5		2KJ8107-2JB	■ ■ -3 ■ Q1 -Z	70	-		-
13.6 ... 68	310	22.13	2.7		2KJ8107-2JB	■ ■ -3 ■ P1 -Z	70	-		-
15.5 ... 78	270	19.33	3.1		2KJ8107-2JB	■ ■ -3 ■ N1 -Z	70	-		-
Z.79-LE112MA.										
6.8 ... 34	620	44.42	1.4		-		-	2KJ8107-4LC	■ ■ -3 ■ W1 -Z	74
7.5 ... 38	555	39.94	1.5		-		-	2KJ8107-4LC	■ ■ -3 ■ V1 -Z	74
8.3 ... 42	505	36.12	1.7		-		-	2KJ8107-4LC	■ ■ -3 ■ U1 -Z	74
9 ... 45	465	33.34	1.8		-		-	2KJ8107-4LC	■ ■ -3 ■ T1 -Z	74
9.8 ... 49	425	30.54	2		-		-	2KJ8107-4LC	■ ■ -3 ■ S1 -Z	74
11.7 ... 59	355	25.62	2.3		-		-	2KJ8107-4LC	■ ■ -3 ■ R1 -Z	74
12.4 ... 62	335	24.12	2.5		-		-	2KJ8107-4LC	■ ■ -3 ■ Q1 -Z	74
13.6 ... 68	310	22.13	2.7		-		-	2KJ8107-4LC	■ ■ -3 ■ P1 -Z	74
15.5 ... 78	270	19.33	3.1		-		-	2KJ8107-4LC	■ ■ -3 ■ N1 -Z	74
D.69-LE100LA.										
5.6 ... 28	745	53.43	0.8		2KJ8206-2JB	■ ■ -3 ■ B1 -Z	61	-		-
6.5 ... 33	640	46.01	0.93		2KJ8206-2JB	■ ■ -3 ■ A1 -Z	61	-		-
D.69-LE112MA.										
5.6 ... 28	745	53.43	0.8		-		-	2KJ8206-4LC	■ ■ -3 ■ B1 -Z	65
6.5 ... 33	640	46.01	0.93		-		-	2KJ8206-4LC	■ ■ -3 ■ A1 -Z	65
Z.69-LE100LA.										
7.8 ... 39	535	38.24	1.1		2KJ8106-2JB	■ ■ -3 ■ U1 -Z	61	-		-
8.7 ... 44	480	34.29	1.2		2KJ8106-2JB	■ ■ -3 ■ T1 -Z	61	-		-
9.7 ... 49	430	30.9	1.4		2KJ8106-2JB	■ ■ -3 ■ S1 -Z	61	-		-
10.5 ... 53	400	28.53	1.5		2KJ8106-2JB	■ ■ -3 ■ R1 -Z	61	-		-
11.5 ... 58	365	26.04	1.6		2KJ8106-2JB	■ ■ -3 ■ Q1 -Z	61	-		-
13.9 ... 69	300	21.61	2		2KJ8106-2JB	■ ■ -3 ■ P1 -Z	61	-		-
14.7 ... 74	285	20.34	2.1		2KJ8106-2JB	■ ■ -3 ■ N1 -Z	61	-		-
15.6 ... 78	265	19.21	2.2		2KJ8106-2JB	■ ■ -3 ■ M1 -Z	61	-		-
18.4 ... 92	225	16.34	2.6		2KJ8106-2JB	■ ■ -3 ■ L1 -Z	61	-		-
21 ... 107	196	14	3.1		2KJ8106-2JB	■ ■ -3 ■ K1 -Z	61	-		-
24 ... 122	172	12.31	3.5		2KJ8106-2JB	■ ■ -3 ■ J1 -Z	61	-		-
35 ... 176	119	8.5	3.7		2KJ8106-2JB	■ ■ -3 ■ F1 -Z	61	-		-
Z.69-LE112MA.										
7.8 ... 39	535	38.24	1.1		-		-	2KJ8106-4LC	■ ■ -3 ■ U1 -Z	65
8.7 ... 44	480	34.29	1.2		-		-	2KJ8106-4LC	■ ■ -3 ■ T1 -Z	65
9.7 ... 49	430	30.9	1.4		-		-	2KJ8106-4LC	■ ■ -3 ■ S1 -Z	65
10.5 ... 53	400	28.53	1.5		-		-	2KJ8106-4LC	■ ■ -3 ■ R1 -Z	65
11.5 ... 58	365	26.04	1.6		-		-	2KJ8106-4LC	■ ■ -3 ■ Q1 -Z	65
13.9 ... 69	300	21.61	2		-		-	2KJ8106-4LC	■ ■ -3 ■ P1 -Z	65
14.7 ... 74	285	20.34	2.1		-		-	2KJ8106-4LC	■ ■ -3 ■ N1 -Z	65
15.6 ... 78	265	19.21	2.2		-		-	2KJ8106-4LC	■ ■ -3 ■ M1 -Z	65
18.4 ... 92	225	16.34	2.6		-		-	2KJ8106-4LC	■ ■ -3 ■ L1 -Z	65
Z.69-LE112MA.										
21 ... 107	196	14	3.1		-		-	2KJ8106-4LC	■ ■ -3 ■ K1 -Z	65
24 ... 122	172	12.31	3.5		-		-	2KJ8106-4LC	■ ■ -3 ■ J1 -Z	65
35 ... 176	119	8.5	3.7		-		-	2KJ8106-4LC	■ ■ -3 ■ F1 -Z	65
Z.59-LE100LA.										
8.4 ... 42	500	35.74	0.9		2KJ8105-2JB	■ ■ -3 ■ U1 -Z	56	-		-
9.4 ... 47	445	32.05	1		2KJ8105-2JB	■ ■ -3 ■ T1 -Z	56	-		-
10.4 ... 52	405	28.89	1.1		2KJ8105-2JB	■ ■ -3 ■ S1 -Z	56	-		-
11.3 ... 56	370	26.66	1.2		2KJ8105-2JB	■ ■ -3 ■ R1 -Z	56	-		-
12.3 ... 62	340	24.34	1.3		2KJ8105-2JB	■ ■ -3 ■ Q1 -Z	56	-		-
14.9 ... 74	280	20.2	1.6		2KJ8105-2JB	■ ■ -3 ■ P1 -Z	56	-		-
15.8 ... 79	265	19.01	1.7		2KJ8105-2JB	■ ■ -3 ■ N1 -Z	56	-		-
16.7 ... 84	250	17.95	1.8		2KJ8105-2JB	■ ■ -3 ■ M1 -Z	56	-		-
19.6 ... 98	210	15.27	2.1		2KJ8105-2JB	■ ■ -3 ■ L1 -Z	56	-		-
23 ... 115	183	13.09	2.5		2KJ8105-2JB	■ ■ -3 ■ K1 -Z	56	-		-

Article No. supplements

- Motor temperature sensor** without / with Pt1000
- Motor brake** (brake voltage 180 V DC) without / with see page 5/2
- Converter fieldbus communication** see page 5/2
- Special versions** see Chapter 4 „Additional Order options“



Helical geared motors

Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm										
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	Article No.	m
					(Article No. supplements see below)			(Article No. supplements see below)		
2.2	Z.59-LE100LA.									
26 ... 130		161	11.51	2.8	2KJ8105-2JB	56	-	-	-	-
31 ... 154		136	9.71	3.3	2KJ8105-2JB	56	-	-	-	-
37 ... 186		113	8.07	3.6	2KJ8105-2JB	56	-	-	-	-
Z.59-LE112MA.										
8.4 ... 42		500	35.74	0.9	-	-	2KJ8105-4LC	60	-	-
9.4 ... 47		445	32.05	1	-	-	2KJ8105-4LC	60	-	-
10.4 ... 52		405	28.89	1.1	-	-	2KJ8105-4LC	60	-	-
11.3 ... 56		370	26.66	1.2	-	-	2KJ8105-4LC	60	-	-
12.3 ... 62		340	24.34	1.3	-	-	2KJ8105-4LC	60	-	-
14.9 ... 74		280	20.2	1.6	-	-	2KJ8105-4LC	60	-	-
15.8 ... 79		265	19.01	1.7	-	-	2KJ8105-4LC	60	-	-
16.7 ... 84		250	17.95	1.8	-	-	2KJ8105-4LC	60	-	-
19.6 ... 98		210	15.27	2.1	-	-	2KJ8105-4LC	60	-	-
23 ... 115		183	13.09	2.5	-	-	2KJ8105-4LC	60	-	-
26 ... 130		161	11.51	2.8	-	-	2KJ8105-4LC	60	-	-
31 ... 154		136	9.71	3.3	-	-	2KJ8105-4LC	60	-	-
37 ... 186		113	8.07	3.6	-	-	2KJ8105-4LC	60	-	-
Z.49-LE100LA.										
11.4 ... 57		370	26.43	0.86	2KJ8104-2JB	54	-	-	-	-
12.3 ... 62		340	24.39	0.94	2KJ8104-2JB	54	-	-	-	-
13.5 ... 67		310	22.27	1	2KJ8104-2JB	54	-	-	-	-
16.2 ... 81		255	18.48	1.2	2KJ8104-2JB	54	-	-	-	-
17.3 ... 86		240	17.39	1.3	2KJ8104-2JB	54	-	-	-	-
18.3 ... 91		230	16.42	1.4	2KJ8104-2JB	54	-	-	-	-
21 ... 107		196	13.98	1.6	2KJ8104-2JB	54	-	-	-	-
25 ... 125		168	11.97	1.9	2KJ8104-2JB	54	-	-	-	-
28 ... 142		147	10.53	2.2	2KJ8104-2JB	54	-	-	-	-
34 ... 169		124	8.88	2.6	2KJ8104-2JB	54	-	-	-	-
39 ... 194		108	7.74	3	2KJ8104-2JB	54	-	-	-	-
39 ... 196		107	7.64	2.8	2KJ8104-2JB	54	-	-	-	-
42 ... 208		101	7.21	2.9	2KJ8104-2JB	54	-	-	-	-
49 ... 244		86	6.14	3.1	2KJ8104-2JB	54	-	-	-	-
Z.49-LE100LA.										
57 ... 285		74	5.26	3.3	2KJ8104-2JB	54	-	-	-	-
65 ... 325		65	4.62	3.5	2KJ8104-2JB	54	-	-	-	-
77 ... 385		55	3.9	3.8	2KJ8104-2JB	54	-	-	-	-
88 ... 441		48	3.4	4	2KJ8104-2JB	54	-	-	-	-
Z.49-LE112MA.										
11.4 ... 57		370	26.43	0.86	-	-	2KJ8104-4LC	58	-	-
12.3 ... 62		340	24.39	0.94	-	-	2KJ8104-4LC	58	-	-
13.5 ... 67		310	22.27	1	-	-	2KJ8104-4LC	58	-	-
16.2 ... 81		255	18.48	1.2	-	-	2KJ8104-4LC	58	-	-
17.3 ... 86		240	17.39	1.3	-	-	2KJ8104-4LC	58	-	-
18.3 ... 91		230	16.42	1.4	-	-	2KJ8104-4LC	58	-	-
21 ... 107		196	13.98	1.6	-	-	2KJ8104-4LC	58	-	-
25 ... 125		168	11.97	1.9	-	-	2KJ8104-4LC	58	-	-
28 ... 142		147	10.53	2.2	-	-	2KJ8104-4LC	58	-	-
34 ... 169		124	8.88	2.6	-	-	2KJ8104-4LC	58	-	-
39 ... 194		108	7.74	3	-	-	2KJ8104-4LC	58	-	-
39 ... 196		107	7.64	2.8	-	-	2KJ8104-4LC	58	-	-
42 ... 208		101	7.21	2.9	-	-	2KJ8104-4LC	58	-	-
49 ... 244		86	6.14	3.1	-	-	2KJ8104-4LC	58	-	-
57 ... 285		74	5.26	3.3	-	-	2KJ8104-4LC	58	-	-
65 ... 325		65	4.62	3.5	-	-	2KJ8104-4LC	58	-	-
77 ... 385		55	3.9	3.8	-	-	2KJ8104-4LC	58	-	-
88 ... 441		48	3.4	4	-	-	2KJ8104-4LC	58	-	-

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see page 5/2	0 1, 2 or 3	0 1, 2 or 3
Converter fieldbus communication	see page 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...	...+...

5

Selection and ordering data

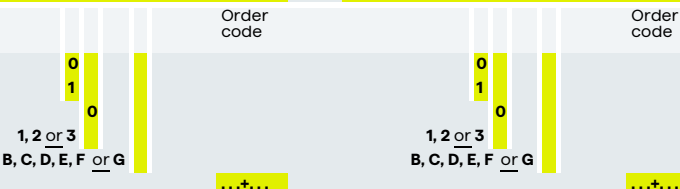
Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B -	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
					Article No. (Article No. supplements see below)	m kg		Article No. (Article No. supplements see below)	m kg	
2.2										
Z.39-LE100LA.										
16.9 ... 84	245	17.77	0.8	0.8	2KJ8103-2JB	■ ■ -3 ■ M1 -Z	42	-	-	-
20 ... 101	205	14.79	0.93	0.93	2KJ8103-2JB	■ ■ -3 ■ M1 -Z	42	-	-	-
22 ... 108	195	13.92	0.97	0.97	2KJ8103-2JB	■ ■ -3 ■ L1 -Z	42	-	-	-
24 ... 120	175	12.47	1	1	2KJ8103-2JB	■ ■ -3 ■ K1 -Z	42	-	-	-
28 ... 141	149	10.62	1.1	1.1	2KJ8103-2JB	■ ■ -3 ■ J1 -Z	42	-	-	-
33 ... 165	127	9.1	1.2	1.2	2KJ8103-2JB	■ ■ -3 ■ H1 -Z	42	-	-	-
38 ... 191	110	7.84	1.3	1.3	2KJ8103-2JB	■ ■ -3 ■ G1 -Z	42	-	-	-
46 ... 232	90	6.46	1.6	1.6	2KJ8103-2JB	■ ■ -3 ■ F1 -Z	42	-	-	-
49 ... 247	85	6.08	1.7	1.7	2KJ8103-2JB	■ ■ -3 ■ E1 -Z	42	-	-	-
55 ... 275	76	5.45	1.8	1.8	2KJ8103-2JB	■ ■ -3 ■ D1 -Z	42	-	-	-
65 ... 323	65	4.64	2	2	2KJ8103-2JB	■ ■ -3 ■ C1 -Z	42	-	-	-
75 ... 377	56	3.98	2.2	2.2	2KJ8103-2JB	■ ■ -3 ■ B1 -Z	42	-	-	-
87 ... 437	48	3.43	2.3	2.3	2KJ8103-2JB	■ ■ -3 ■ A1 -Z	42	-	-	-
Z.29-LE100LA.										
27 ... 134	156	11.16	0.9	0.9	2KJ8102-2JB	■ ■ -3 ■ M1 -Z	40	-	-	-
30 ... 148	142	10.12	0.99	0.99	2KJ8102-2JB	■ ■ -3 ■ L1 -Z	40	-	-	-
31 ... 157	133	9.53	1	1	2KJ8102-2JB	■ ■ -3 ■ K1 -Z	40	-	-	-
36 ... 179	118	8.4	1.2	1.2	2KJ8102-2JB	■ ■ -3 ■ J1 -Z	40	-	-	-
41 ... 206	102	7.29	1.3	1.3	2KJ8102-2JB	■ ■ -3 ■ H1 -Z	40	-	-	-
50 ... 248	85	6.06	1.2	1.2	2KJ8102-2JB	■ ■ -3 ■ F1 -Z	40	-	-	-
56 ... 282	74	5.31	1.2	1.2	2KJ8102-2JB	■ ■ -3 ■ E1 -Z	40	-	-	-
62 ... 311	68	4.82	1.3	1.3	2KJ8102-2JB	■ ■ -3 ■ D1 -Z	40	-	-	-
66 ... 330	64	4.54	1.3	1.3	2KJ8102-2JB	■ ■ -3 ■ C1 -Z	40	-	-	-
75 ... 375	56	4	1.4	1.4	2KJ8102-2JB	■ ■ -3 ■ B1 -Z	40	-	-	-
86 ... 432	49	3.47	1.4	1.4	2KJ8102-2JB	■ ■ -3 ■ A1 -Z	40	-	-	-
E.89-LE100LA.										
31 ... 155	135	9.67	2.1	2.1	2KJ8004-2JB	■ ■ -3 ■ T1 -Z	71	-	-	-
34 ... 172	122	8.73	2.3	2.3	2KJ8004-2JB	■ ■ -3 ■ S1 -Z	71	-	-	-
38 ... 189	111	7.92	2.5	2.5	2KJ8004-2JB	■ ■ -3 ■ R1 -Z	71	-	-	-
41 ... 205	102	7.31	2.5	2.5	2KJ8004-2JB	■ ■ -3 ■ Q1 -Z	71	-	-	-
45 ... 226	93	6.64	2.8	2.8	2KJ8004-2JB	■ ■ -3 ■ P1 -Z	71	-	-	-
57 ... 284	74	5.29	2.8	2.8	2KJ8004-2JB	■ ■ -3 ■ M1 -Z	71	-	-	-
E.89-LE112MA.										
31 ... 155	135	9.67	2.1	-	-	-	-	2KJ8004-4LC	■ ■ -3 ■ T1 -Z	74
34 ... 172	122	8.73	2.3	-	-	-	-	2KJ8004-4LC	■ ■ -3 ■ S1 -Z	74
38 ... 189	111	7.92	2.5	-	-	-	-	2KJ8004-4LC	■ ■ -3 ■ R1 -Z	74
41 ... 205	102	7.31	2.5	-	-	-	-	2KJ8004-4LC	■ ■ -3 ■ Q1 -Z	74
45 ... 226	93	6.64	2.8	-	-	-	-	2KJ8004-4LC	■ ■ -3 ■ P1 -Z	74
57 ... 284	74	5.29	2.8	-	-	-	-	2KJ8004-4LC	■ ■ -3 ■ M1 -Z	74
E.69-LE100LA.										
40 ... 198	106	7.58	1.9	1.9	2KJ8003-2JB	■ ■ -3 ■ Q1 -Z	57	-	-	-
44 ... 220	96	6.82	1.8	1.8	2KJ8003-2JB	■ ■ -3 ■ P1 -Z	57	-	-	-
49 ... 243	86	6.17	2.4	2.4	2KJ8003-2JB	■ ■ -3 ■ N1 -Z	57	-	-	-
53 ... 264	80	5.69	2.1	2.1	2KJ8003-2JB	■ ■ -3 ■ M1 -Z	57	-	-	-
58 ... 288	73	5.21	2.7	2.7	2KJ8003-2JB	■ ■ -3 ■ L1 -Z	57	-	-	-
68 ... 342	61	4.38	3.3	3.3	2KJ8003-2JB	■ ■ -3 ■ K1 -Z	57	-	-	-
73 ... 364	58	4.12	2.9	2.9	2KJ8003-2JB	■ ■ -3 ■ J1 -Z	57	-	-	-
79 ... 397	53	3.78	3.8	3.8	2KJ8003-2JB	■ ■ -3 ■ H1 -Z	57	-	-	-
E.69-LE112MA.										
40 ... 198	106	7.58	1.9	-	-	-	-	2KJ8003-4LC	■ ■ -3 ■ Q1 -Z	61
44 ... 220	96	6.82	1.8	-	-	-	-	2KJ8003-4LC	■ ■ -3 ■ P1 -Z	61
49 ... 243	86	6.17	2.4	-	-	-	-	2KJ8003-4LC	■ ■ -3 ■ N1 -Z	61
53 ... 264	80	5.69	2.1	-	-	-	-	2KJ8003-4LC	■ ■ -3 ■ M1 -Z	61
58 ... 288	73	5.21	2.7	-	-	-	-	2KJ8003-4LC	■ ■ -3 ■ L1 -Z	61
68 ... 342	61	4.38	3.3	-	-	-	-	2KJ8003-4LC	■ ■ -3 ■ K1 -Z	61
73 ... 364	58	4.12	2.9	-	-	-	-	2KJ8003-4LC	■ ■ -3 ■ J1 -Z	61
79 ... 397	53	3.78	3.8	-	-	-	-	2KJ8003-4LC	■ ■ -3 ■ H1 -Z	61

Article No. supplements

- Motor temperature sensor without with Pt1000
- Motor brake (brake voltage 180 V DC) without with see page 5/2
- Converter fieldbus communication see page 5/2
- Special versions see Chapter 4 „Additional Order options“



Helical geared motors

Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm										
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	Article No.	m
					(Article No. supplements see below)			(Article No. supplements see below)		
2.2										
E.49-LE100LA.										
49 ... 247	85	6.08	6.08	1.2	2KJ8002-2JB	50	-	-	-	-
55 ... 275	76	5.45	5.45	1.3	2KJ8002-2JB	50	-	-	-	-
61 ... 305	69	4.92	4.92	1.5	2KJ8002-2JB	50	-	-	-	-
66 ... 330	64	4.54	4.54	1.6	2KJ8002-2JB	50	-	-	-	-
72 ... 362	58	4.14	4.14	1.8	2KJ8002-2JB	50	-	-	-	-
87 ... 436	48	3.44	3.44	2.1	2KJ8002-2JB	50	-	-	-	-
93 ... 463	45	3.24	3.24	2.2	2KJ8002-2JB	50	-	-	-	-
98 ... 490	43	3.06	3.06	2.4	2KJ8002-2JB	50	-	-	-	-
115 ... 577	36	2.6	2.6	2.8	2KJ8002-2JB	50	-	-	-	-
135 ... 673	31	2.23	2.23	3.3	2KJ8002-2JB	50	-	-	-	-
153 ... 765	28	1.96	1.96	3.8	2KJ8002-2JB	50	-	-	-	-
182 ... 909	23	1.65	1.65	4.5	2KJ8002-2JB	50	-	-	-	-
E.49-LE112MA.										
49 ... 247	85	6.08	6.08	1.2	-	-	2KJ8002-4LC	54	-	54
55 ... 275	76	5.45	5.45	1.3	-	-	2KJ8002-4LC	54	-	54
61 ... 305	69	4.92	4.92	1.5	-	-	2KJ8002-4LC	54	-	54
66 ... 330	64	4.54	4.54	1.6	-	-	2KJ8002-4LC	54	-	54
72 ... 362	58	4.14	4.14	1.8	-	-	2KJ8002-4LC	54	-	54
87 ... 436	48	3.44	3.44	2.1	-	-	2KJ8002-4LC	54	-	54
93 ... 463	45	3.24	3.24	2.2	-	-	2KJ8002-4LC	54	-	54
98 ... 490	43	3.06	3.06	2.4	-	-	2KJ8002-4LC	54	-	54
115 ... 577	36	2.6	2.6	2.8	-	-	2KJ8002-4LC	54	-	54
135 ... 673	31	2.23	2.23	3.3	-	-	2KJ8002-4LC	54	-	54
153 ... 765	28	1.96	1.96	3.8	-	-	2KJ8002-4LC	54	-	54
182 ... 909	23	1.65	1.65	4.5	-	-	2KJ8002-4LC	54	-	54
E.39-LE112MA.										
73 ... 367	57	4.09	4.09	0.84	-	-	2KJ8001-4LC	49	-	49
84 ... 419	50	3.58	3.58	1.2	-	-	2KJ8001-4LC	49	-	49
91 ... 453	46	3.31	3.31	1.3	-	-	2KJ8001-4LC	49	-	49
102 ... 512	41	2.93	2.93	1.6	-	-	2KJ8001-4LC	49	-	49
123 ... 615	34	2.44	2.44	1.9	-	-	2KJ8001-4LC	49	-	49
131 ... 655	32	2.29	2.29	2.1	-	-	2KJ8001-4LC	49	-	49
146 ... 728	29	2.06	2.06	2.3	-	-	2KJ8001-4LC	49	-	49
171 ... 857	24	1.75	1.75	2.7	-	-	2KJ8001-4LC	49	-	49
200 ... 1000	21	1.5	1.5	2.9	-	-	2KJ8001-4LC	49	-	49
233 ... 1163	18	1.29	1.29	3	-	-	2KJ8001-4LC	49	-	49
E.39-LE100LA.										
73 ... 367	57	4.09	4.09	0.84	2KJ8001-2JB	43	-	-	-	-
84 ... 419	50	3.58	3.58	1.2	2KJ8001-2JB	43	-	-	-	-
91 ... 453	46	3.31	3.31	1.3	2KJ8001-2JB	43	-	-	-	-
102 ... 512	41	2.93	2.93	1.6	2KJ8001-2JB	43	-	-	-	-
123 ... 615	34	2.44	2.44	1.9	2KJ8001-2JB	43	-	-	-	-
131 ... 655	32	2.29	2.29	2.1	2KJ8001-2JB	43	-	-	-	-
146 ... 728	29	2.06	2.06	2.3	2KJ8001-2JB	43	-	-	-	-
171 ... 857	24	1.75	1.75	2.7	2KJ8001-2JB	43	-	-	-	-
200 ... 1000	21	1.5	1.5	2.9	2KJ8001-2JB	43	-	-	-	-
233 ... 1163	18	1.29	1.29	3	2KJ8001-2JB	43	-	-	-	-
3										
D.89-LE112MB.										
2.7 ... 13.6	2110	110.57	110.57	0.8	-	-	2KJ8208-4LH	97	-	97
3 ... 15.2	1890	98.99	98.99	0.89	-	-	2KJ8208-4LH	97	-	97
3.5 ... 17.3	1650	86.56	86.56	1	-	-	2KJ8208-4LH	97	-	97
4 ... 20	1410	74.3	74.3	1.2	-	-	2KJ8208-4LH	97	-	97
4.6 ... 23	1250	65.67	65.67	1.3	-	-	2KJ8208-4LH	97	-	97
D.89-LE100LB.										
2.7 ... 13.6	2110	110.57	110.57	0.8	2KJ8208-2JG	94	-	-	-	-
3 ... 15.2	1890	98.99	98.99	0.89	2KJ8208-2JG	94	-	-	-	-
3.5 ... 17.3	1650	86.56	86.56	1	2KJ8208-2JG	94	-	-	-	-
4 ... 20	1410	74.3	74.3	1.2	2KJ8208-2JG	94	-	-	-	-
Article No. supplements					Order code					
Motor temperature sensor	without	0			0					
	with Pt1000	1			1					
Motor brake	without	0			0					
(brake voltage 180 V DC)	with see page 5/2	1, 2 or 3			1, 2 or 3					
Converter fieldbus communication	see page 5/2	B, C, D, E, F or G			B, C, D, E, F or G					
Special versions	see Chapter 4 „Additional Order options“	...			...	

Selection and ordering data

Control range 1:5

Innomatics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B -	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4		
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg	
3	D.89-LE100LB.								
	4.6 ... 23	1250	65.67	1.3	2KJ8208-2JG	■ ■ -3 ■ C1 -Z	94	-	
	Z.89-LE100LB.								
	5.2 ... 26	1090	57.36	1.5	2KJ8108-2JG	■ ■ -3 ■ A2 -Z	93	-	
	5.8 ... 29	985	51.78	1.7	2KJ8108-2JG	■ ■ -3 ■ X1 -Z	93	-	
	6.4 ... 32	895	46.97	1.9	2KJ8108-2JG	■ ■ -3 ■ W1 -Z	93	-	
	6.9 ... 35	825	43.36	2	2KJ8108-2JG	■ ■ -3 ■ V1 -Z	93	-	
	7.6 ... 38	750	39.41	2.2	2KJ8108-2JG	■ ■ -3 ■ U1 -Z	93	-	
	9 ... 45	635	33.38	2.6	2KJ8108-2JG	■ ■ -3 ■ T1 -Z	93	-	
	9.6 ... 48	600	31.41	2.8	2KJ8108-2JG	■ ■ -3 ■ S1 -Z	93	-	
	10.3 ... 52	550	29.01	3	2KJ8108-2JG	■ ■ -3 ■ R1 -Z	93	-	
	Z.89-LE112MB.								
	5.2 ... 26	1090	57.36	1.5	-	-	2KJ8108-4LH	■ ■ -3 ■ A2 -Z	96
	5.8 ... 29	985	51.78	1.7	-	-	2KJ8108-4LH	■ ■ -3 ■ X1 -Z	96
	6.4 ... 32	895	46.97	1.9	-	-	2KJ8108-4LH	■ ■ -3 ■ W1 -Z	96
	6.9 ... 35	825	43.36	2	-	-	2KJ8108-4LH	■ ■ -3 ■ V1 -Z	96
	7.6 ... 38	750	39.41	2.2	-	-	2KJ8108-4LH	■ ■ -3 ■ U1 -Z	96
	9 ... 45	635	33.38	2.6	-	-	2KJ8108-4LH	■ ■ -3 ■ T1 -Z	96
	9.6 ... 48	600	31.41	2.8	-	-	2KJ8108-4LH	■ ■ -3 ■ S1 -Z	96
	10.3 ... 52	550	29.01	3	-	-	2KJ8108-4LH	■ ■ -3 ■ R1 -Z	96
	D.79-LE112MB.								
	6.1 ... 31	935	49.02	0.9	-	-	2KJ8207-4LH	■ ■ -3 ■ A1 -Z	75
	D.79-LE100LB.								
	6.1 ... 31	935	49.02	0.9	-	-	2KJ8207-2JG	■ ■ -3 ■ A1 -Z	71
	Z.79-LE112MB.								
	6.8 ... 34	845	44.42	0.99	-	-	2KJ8107-4LH	■ ■ -3 ■ W1 -Z	74
	7.5 ... 38	760	39.94	1.1	-	-	2KJ8107-4LH	■ ■ -3 ■ V1 -Z	74
	8.3 ... 42	690	36.12	1.2	-	-	2KJ8107-4LH	■ ■ -3 ■ U1 -Z	74
	9 ... 45	635	33.34	1.3	-	-	2KJ8107-4LH	■ ■ -3 ■ T1 -Z	74
	9.8 ... 49	580	30.54	1.4	-	-	2KJ8107-4LH	■ ■ -3 ■ S1 -Z	74
	11.7 ... 59	485	25.62	1.7	-	-	2KJ8107-4LH	■ ■ -3 ■ R1 -Z	74
	12.4 ... 62	460	24.12	1.8	-	-	2KJ8107-4LH	■ ■ -3 ■ Q1 -Z	74
	13.6 ... 68	420	22.13	2	-	-	2KJ8107-4LH	■ ■ -3 ■ P1 -Z	74
	15.5 ... 78	365	19.33	2.3	-	-	2KJ8107-4LH	■ ■ -3 ■ N1 -Z	74
	17.3 ... 87	330	17.31	2.5	-	-	2KJ8107-4LH	■ ■ -3 ■ M1 -Z	74
	19.8 ... 99	285	15.13	2.9	-	-	2KJ8107-4LH	■ ■ -3 ■ L1 -Z	74
	23 ... 115	245	12.99	3.4	-	-	2KJ8107-4LH	■ ■ -3 ■ K1 -Z	74
	Z.79-LE100LB.								
	6.8 ... 34	845	44.42	0.99	-	-	2KJ8107-2JG	■ ■ -3 ■ W1 -Z	70
	7.5 ... 38	760	39.94	1.1	-	-	2KJ8107-2JG	■ ■ -3 ■ V1 -Z	70
	8.3 ... 42	690	36.12	1.2	-	-	2KJ8107-2JG	■ ■ -3 ■ U1 -Z	70
	9 ... 45	635	33.34	1.3	-	-	2KJ8107-2JG	■ ■ -3 ■ T1 -Z	70
	9.8 ... 49	580	30.54	1.4	-	-	2KJ8107-2JG	■ ■ -3 ■ S1 -Z	70
	11.7 ... 59	485	25.62	1.7	-	-	2KJ8107-2JG	■ ■ -3 ■ R1 -Z	70
	12.4 ... 62	460	24.12	1.8	-	-	2KJ8107-2JG	■ ■ -3 ■ Q1 -Z	70
	13.6 ... 68	420	22.13	2	-	-	2KJ8107-2JG	■ ■ -3 ■ P1 -Z	70
	15.5 ... 78	365	19.33	2.3	-	-	2KJ8107-2JG	■ ■ -3 ■ N1 -Z	70
	17.3 ... 87	330	17.31	2.5	-	-	2KJ8107-2JG	■ ■ -3 ■ M1 -Z	70
	19.8 ... 99	285	15.13	2.9	-	-	2KJ8107-2JG	■ ■ -3 ■ L1 -Z	70
	23 ... 115	245	12.99	3.4	-	-	2KJ8107-2JG	■ ■ -3 ■ K1 -Z	70
Z.69-LE100LB.									
7.8 ... 39	730	38.24	0.82	-	-	2KJ8106-2JG	■ ■ -3 ■ U1 -Z	61	
8.7 ... 44	655	34.29	0.92	-	-	2KJ8106-2JG	■ ■ -3 ■ T1 -Z	61	
9.7 ... 49	590	30.9	1	-	-	2KJ8106-2JG	■ ■ -3 ■ S1 -Z	61	
10.5 ... 53	545	28.53	1.1	-	-	2KJ8106-2JG	■ ■ -3 ■ R1 -Z	61	
11.5 ... 58	495	26.04	1.2	-	-	2KJ8106-2JG	■ ■ -3 ■ Q1 -Z	61	
13.9 ... 69	410	21.61	1.5	-	-	2KJ8106-2JG	■ ■ -3 ■ P1 -Z	61	
14.7 ... 74	385	20.34	1.5	-	-	2KJ8106-2JG	■ ■ -3 ■ N1 -Z	61	
15.6 ... 78	365	19.21	1.6	-	-	2KJ8106-2JG	■ ■ -3 ■ M1 -Z	61	

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see page 5/2	0 1, 2 or 3	0 1, 2 or 3
Converter fieldbus communication	see page 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...	...+...

5

Helical geared motors

Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm										
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	Article No.	m
					(Article No. supplements see below)			(Article No. supplements see below)		
3	Z.69-LE100LB.									
18.4 ... 92	310	16.34	1.9	2KJ8106-2JG	■ ■ -3	■ L1	-Z	61	-	-
21 ... 107	265	14	2.2	2KJ8106-2JG	■ ■ -3	■ K1	-Z	61	-	-
24 ... 122	235	12.31	2.6	2KJ8106-2JG	■ ■ -3	■ J1	-Z	61	-	-
29 ... 144	198	10.39	3	2KJ8106-2JG	■ ■ -3	■ H1	-Z	61	-	-
33 ... 166	173	9.05	3.4	2KJ8106-2JG	■ ■ -3	■ G1	-Z	61	-	-
35 ... 176	162	8.5	2.7	2KJ8106-2JG	■ ■ -3	■ F1	-Z	61	-	-
41 ... 207	138	7.23	3.2	2KJ8106-2JG	■ ■ -3	■ E1	-Z	61	-	-
48 ... 242	118	6.2	3.8	2KJ8106-2JG	■ ■ -3	■ D1	-Z	61	-	-
Z.69-LE112MB.										
7.8 ... 39	730	38.24	0.82	-	-	2KJ8106-4LH	■ ■ -3	■ U1	-Z	65
8.7 ... 44	655	34.29	0.92	-	-	2KJ8106-4LH	■ ■ -3	■ T1	-Z	65
9.7 ... 49	590	30.9	1	-	-	2KJ8106-4LH	■ ■ -3	■ S1	-Z	65
10.5 ... 53	545	28.53	1.1	-	-	2KJ8106-4LH	■ ■ -3	■ R1	-Z	65
11.5 ... 58	495	26.04	1.2	-	-	2KJ8106-4LH	■ ■ -3	■ Q1	-Z	65
13.9 ... 69	410	21.61	1.5	-	-	2KJ8106-4LH	■ ■ -3	■ P1	-Z	65
14.7 ... 74	385	20.34	1.5	-	-	2KJ8106-4LH	■ ■ -3	■ N1	-Z	65
15.6 ... 78	365	19.21	1.6	-	-	2KJ8106-4LH	■ ■ -3	■ M1	-Z	65
18.4 ... 92	310	16.34	1.9	-	-	2KJ8106-4LH	■ ■ -3	■ L1	-Z	65
21 ... 107	265	14	2.2	-	-	2KJ8106-4LH	■ ■ -3	■ K1	-Z	65
24 ... 122	235	12.31	2.6	-	-	2KJ8106-4LH	■ ■ -3	■ J1	-Z	65
29 ... 144	198	10.39	3	-	-	2KJ8106-4LH	■ ■ -3	■ H1	-Z	65
33 ... 166	173	9.05	3.4	-	-	2KJ8106-4LH	■ ■ -3	■ G1	-Z	65
35 ... 176	162	8.5	2.7	-	-	2KJ8106-4LH	■ ■ -3	■ F1	-Z	65
41 ... 207	138	7.23	3.2	-	-	2KJ8106-4LH	■ ■ -3	■ E1	-Z	65
48 ... 242	118	6.2	3.8	-	-	2KJ8106-4LH	■ ■ -3	■ D1	-Z	65
Z.59-LE100LB.										
10.4 ... 52	550	28.89	0.82	2KJ8105-2JG	■ ■ -3	■ S1	-Z	56	-	-
11.3 ... 56	505	26.66	0.88	2KJ8105-2JG	■ ■ -3	■ R1	-Z	56	-	-
12.3 ... 62	465	24.34	0.97	2KJ8105-2JG	■ ■ -3	■ Q1	-Z	56	-	-
14.9 ... 74	385	20.2	1.2	2KJ8105-2JG	■ ■ -3	■ P1	-Z	56	-	-
15.8 ... 79	360	19.01	1.2	2KJ8105-2JG	■ ■ -3	■ N1	-Z	56	-	-
16.7 ... 84	340	17.95	1.3	2KJ8105-2JG	■ ■ -3	■ M1	-Z	56	-	-
19.6 ... 98	290	15.27	1.5	2KJ8105-2JG	■ ■ -3	■ L1	-Z	56	-	-
23 ... 115	250	13.09	1.8	2KJ8105-2JG	■ ■ -3	■ K1	-Z	56	-	-
26 ... 130	220	11.51	2	2KJ8105-2JG	■ ■ -3	■ J1	-Z	56	-	-
31 ... 154	185	9.71	2.4	2KJ8105-2JG	■ ■ -3	■ H1	-Z	56	-	-
35 ... 177	162	8.46	2.8	2KJ8105-2JG	■ ■ -3	■ G1	-Z	56	-	-
37 ... 186	154	8.07	2.7	2KJ8105-2JG	■ ■ -3	■ F1	-Z	56	-	-
44 ... 219	131	6.86	3.1	2KJ8105-2JG	■ ■ -3	■ E1	-Z	56	-	-
51 ... 255	112	5.88	3.7	2KJ8105-2JG	■ ■ -3	■ D1	-Z	56	-	-
Z.59-LE112MB.										
10.4 ... 52	550	28.89	0.82	-	-	2KJ8105-4LH	■ ■ -3	■ S1	-Z	60
11.3 ... 56	505	26.66	0.88	-	-	2KJ8105-4LH	■ ■ -3	■ R1	-Z	60
12.3 ... 62	465	24.34	0.97	-	-	2KJ8105-4LH	■ ■ -3	■ Q1	-Z	60
14.9 ... 74	385	20.2	1.2	-	-	2KJ8105-4LH	■ ■ -3	■ P1	-Z	60
15.8 ... 79	360	19.01	1.2	-	-	2KJ8105-4LH	■ ■ -3	■ N1	-Z	60
16.7 ... 84	340	17.95	1.3	-	-	2KJ8105-4LH	■ ■ -3	■ M1	-Z	60
19.6 ... 98	290	15.27	1.5	-	-	2KJ8105-4LH	■ ■ -3	■ L1	-Z	60
23 ... 115	250	13.09	1.8	-	-	2KJ8105-4LH	■ ■ -3	■ K1	-Z	60
26 ... 130	220	11.51	2	-	-	2KJ8105-4LH	■ ■ -3	■ J1	-Z	60
31 ... 154	185	9.71	2.4	-	-	2KJ8105-4LH	■ ■ -3	■ H1	-Z	60
35 ... 177	162	8.46	2.8	-	-	2KJ8105-4LH	■ ■ -3	■ G1	-Z	60
37 ... 186	154	8.07	2.7	-	-	2KJ8105-4LH	■ ■ -3	■ F1	-Z	60
44 ... 219	131	6.86	3.1	-	-	2KJ8105-4LH	■ ■ -3	■ E1	-Z	60
51 ... 255	112	5.88	3.7	-	-	2KJ8105-4LH	■ ■ -3	■ D1	-Z	60
Z.49-LE100LB.										
16.2 ... 81	350	18.48	0.91	2KJ8104-2JG	■ ■ -3	■ Q1	-Z	54	-	-
17.3 ... 86	330	17.39	0.96	2KJ8104-2JG	■ ■ -3	■ P1	-Z	54	-	-

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see page 5/2	0 1, 2 or 3	0 1, 2 or 3
Converter fieldbus communication	see page 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...	...+...

Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
3	Z.49-LE100LB.							
	18.3 ... 91	310	16.42	1	2KJ8104-2JG	54	-	-
	21 ... 107	265	13.98	1.2	2KJ8104-2JG	54	-	-
	25 ... 125	225	11.97	1.4	2KJ8104-2JG	54	-	-
	28 ... 142	200	10.53	1.6	2KJ8104-2JG	54	-	-
	34 ... 169	170	8.88	1.9	2KJ8104-2JG	54	-	-
	39 ... 194	148	7.74	2.2	2KJ8104-2JG	54	-	-
	39 ... 196	146	7.64	2	2KJ8104-2JG	54	-	-
	42 ... 208	138	7.21	2.1	2KJ8104-2JG	54	-	-
	49 ... 244	117	6.14	2.3	2KJ8104-2JG	54	-	-
	57 ... 285	100	5.26	2.4	2KJ8104-2JG	54	-	-
	65 ... 325	88	4.62	2.5	2KJ8104-2JG	54	-	-
	77 ... 385	74	3.9	2.8	2KJ8104-2JG	54	-	-
	88 ... 441	65	3.4	2.9	2KJ8104-2JG	54	-	-
	Z.49-LE112MB.							
	16.2 ... 81	350	18.48	0.91	-	-	2KJ8104-4LH	58
	17.3 ... 86	330	17.39	0.96	-	-	2KJ8104-4LH	58
	18.3 ... 91	310	16.42	1	-	-	2KJ8104-4LH	58
	21 ... 107	265	13.98	1.2	-	-	2KJ8104-4LH	58
	25 ... 125	225	11.97	1.4	-	-	2KJ8104-4LH	58
	28 ... 142	200	10.53	1.6	-	-	2KJ8104-4LH	58
	34 ... 169	170	8.88	1.9	-	-	2KJ8104-4LH	58
	39 ... 194	148	7.74	2.2	-	-	2KJ8104-4LH	58
	39 ... 196	146	7.64	2	-	-	2KJ8104-4LH	58
	42 ... 208	138	7.21	2.1	-	-	2KJ8104-4LH	58
	49 ... 244	117	6.14	2.3	-	-	2KJ8104-4LH	58
	57 ... 285	100	5.26	2.4	-	-	2KJ8104-4LH	58
	65 ... 325	88	4.62	2.5	-	-	2KJ8104-4LH	58
	77 ... 385	74	3.9	2.8	-	-	2KJ8104-4LH	58
	88 ... 441	65	3.4	2.9	-	-	2KJ8104-4LH	58
	Z.39-LE100LB.							
	28 ... 141	200	10.62	0.83	2KJ8103-2JG	42	-	-
	33 ... 165	174	9.1	0.91	2KJ8103-2JG	42	-	-
	38 ... 191	150	7.84	0.99	2KJ8103-2JG	42	-	-
	46 ... 232	123	6.46	1.2	2KJ8103-2JG	42	-	-
	49 ... 247	116	6.08	1.3	2KJ8103-2JG	42	-	-
	55 ... 275	104	5.45	1.3	2KJ8103-2JG	42	-	-
	65 ... 323	89	4.64	1.5	2KJ8103-2JG	42	-	-
	75 ... 377	76	3.98	1.6	2KJ8103-2JG	42	-	-
	87 ... 437	66	3.43	1.7	2KJ8103-2JG	42	-	-
	Z.29-LE100LB.							
	36 ... 179	160	8.4	0.86	2KJ8102-2JG	40	-	-
	41 ... 206	139	7.29	0.93	2KJ8102-2JG	40	-	-
	50 ... 248	116	6.06	0.86	2KJ8102-2JG	40	-	-
	56 ... 282	101	5.31	0.9	2KJ8102-2JG	40	-	-
	62 ... 311	92	4.82	0.93	2KJ8102-2JG	40	-	-
	66 ... 330	87	4.54	0.97	2KJ8102-2JG	40	-	-
	75 ... 375	76	4	0.99	2KJ8102-2JG	40	-	-
	86 ... 432	66	3.47	1.1	2KJ8102-2JG	40	-	-
	E.89-LE100LB.							
	31 ... 155	185	9.67	1.5	2KJ8004-2JG	71	-	-
	34 ... 172	167	8.73	1.7	2KJ8004-2JG	71	-	-
	38 ... 189	151	7.92	1.9	2KJ8004-2JG	71	-	-
	41 ... 205	140	7.31	1.9	2KJ8004-2JG	71	-	-
	45 ... 226	127	6.64	2.1	2KJ8004-2JG	71	-	-
	53 ... 267	107	5.62	3	2KJ8004-2JG	71	-	-
	57 ... 284	101	5.29	2.1	2KJ8004-2JG	71	-	-
	61 ... 307	93	4.89	3.9	2KJ8004-2JG	71	-	-

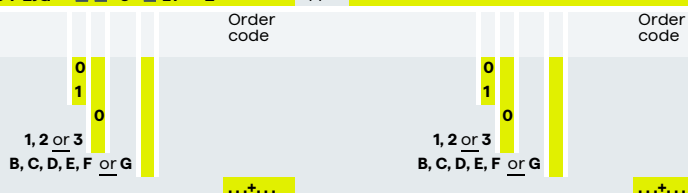
Article No. supplements

Motor temperature sensor without
with Pt1000

Motor brake without
(brake voltage 180 V DC) with see page 5/2

Converter fieldbus communication see page 5/2

Special versions see Chapter 4 „Additional Order options“



Helical geared motors

Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm											
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4			
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	Article No.	m	
3					(Article No. supplements see below)	kg	(Article No. supplements see below)	kg	(Article No. supplements see below)	kg	
E.89-LE112MB.											
31 ... 155	185	9.67	1.5	-	-	-	2KJ8004-4LH	■ ■ -3	■ T1	-Z	74
34 ... 172	167	8.73	1.7	-	-	-	2KJ8004-4LH	■ ■ -3	■ S1	-Z	74
38 ... 189	151	7.92	1.9	-	-	-	2KJ8004-4LH	■ ■ -3	■ R1	-Z	74
41 ... 205	140	7.31	1.9	-	-	-	2KJ8004-4LH	■ ■ -3	■ Q1	-Z	74
45 ... 226	127	6.64	2.1	-	-	-	2KJ8004-4LH	■ ■ -3	■ P1	-Z	74
53 ... 267	107	5.62	3	-	-	-	2KJ8004-4LH	■ ■ -3	■ N1	-Z	74
57 ... 284	101	5.29	2.1	-	-	-	2KJ8004-4LH	■ ■ -3	■ M1	-Z	74
61 ... 307	93	4.89	3.9	-	-	-	2KJ8004-4LH	■ ■ -3	■ L1	-Z	74
E.69-LE100LB.											
40 ... 198	145	7.58	1.4	-	2KJ8003-2JG	■ ■ -3	■ Q1	-Z	-	-	
44 ... 220	130	6.82	1.3	-	2KJ8003-2JG	■ ■ -3	■ P1	-Z	-	-	
49 ... 243	118	6.17	1.7	-	2KJ8003-2JG	■ ■ -3	■ N1	-Z	-	-	
53 ... 264	109	5.69	1.5	-	2KJ8003-2JG	■ ■ -3	■ M1	-Z	-	-	
58 ... 288	100	5.21	2	-	2KJ8003-2JG	■ ■ -3	■ L1	-Z	-	-	
68 ... 342	84	4.38	2.4	-	2KJ8003-2JG	■ ■ -3	■ K1	-Z	-	-	
73 ... 364	79	4.12	2.1	-	2KJ8003-2JG	■ ■ -3	■ J1	-Z	-	-	
79 ... 397	72	3.78	2.8	-	2KJ8003-2JG	■ ■ -3	■ H1	-Z	-	-	
91 ... 455	63	3.3	3.2	-	2KJ8003-2JG	■ ■ -3	■ G1	-Z	-	-	
102 ... 508	56	2.95	3.5	-	2KJ8003-2JG	■ ■ -3	■ F1	-Z	-	-	
116 ... 581	49	2.58	4	-	2KJ8003-2JG	■ ■ -3	■ E1	-Z	-	-	
E.69-LE112MB.											
40 ... 198	145	7.58	1.4	-	-	-	2KJ8003-4LH	■ ■ -3	■ Q1	-Z	61
44 ... 220	130	6.82	1.3	-	-	-	2KJ8003-4LH	■ ■ -3	■ P1	-Z	61
49 ... 243	118	6.17	1.7	-	-	-	2KJ8003-4LH	■ ■ -3	■ N1	-Z	61
53 ... 264	109	5.69	1.5	-	-	-	2KJ8003-4LH	■ ■ -3	■ M1	-Z	61
58 ... 288	100	5.21	2	-	-	-	2KJ8003-4LH	■ ■ -3	■ L1	-Z	61
68 ... 342	84	4.38	2.4	-	-	-	2KJ8003-4LH	■ ■ -3	■ K1	-Z	61
73 ... 364	79	4.12	2.1	-	-	-	2KJ8003-4LH	■ ■ -3	■ J1	-Z	61
79 ... 397	72	3.78	2.8	-	-	-	2KJ8003-4LH	■ ■ -3	■ H1	-Z	61
91 ... 455	63	3.3	3.2	-	-	-	2KJ8003-4LH	■ ■ -3	■ G1	-Z	61
102 ... 508	56	2.95	3.5	-	-	-	2KJ8003-4LH	■ ■ -3	■ F1	-Z	61
116 ... 581	49	2.58	4	-	-	-	2KJ8003-4LH	■ ■ -3	■ E1	-Z	61
E.49-LE100LB.											
49 ... 247	116	6.08	0.9	-	2KJ8002-2JG	■ ■ -3	■ N1	-Z	-	-	
55 ... 275	104	5.45	0.99	-	2KJ8002-2JG	■ ■ -3	■ M1	-Z	-	-	
61 ... 305	94	4.92	1.1	-	2KJ8002-2JG	■ ■ -3	■ L1	-Z	-	-	
66 ... 330	87	4.54	1.2	-	2KJ8002-2JG	■ ■ -3	■ K1	-Z	-	-	
72 ... 362	79	4.14	1.3	-	2KJ8002-2JG	■ ■ -3	■ J1	-Z	-	-	
87 ... 436	66	3.44	1.5	-	2KJ8002-2JG	■ ■ -3	■ H1	-Z	-	-	
93 ... 463	62	3.24	1.6	-	2KJ8002-2JG	■ ■ -3	■ G1	-Z	-	-	
98 ... 490	58	3.06	1.7	-	2KJ8002-2JG	■ ■ -3	■ F1	-Z	-	-	
115 ... 577	50	2.6	2.1	-	2KJ8002-2JG	■ ■ -3	■ E1	-Z	-	-	
135 ... 673	43	2.23	2.4	-	2KJ8002-2JG	■ ■ -3	■ D1	-Z	-	-	
153 ... 765	37	1.96	2.8	-	2KJ8002-2JG	■ ■ -3	■ C1	-Z	-	-	
182 ... 909	32	1.65	3.3	-	2KJ8002-2JG	■ ■ -3	■ B1	-Z	-	-	
208 ... 1042	28	1.44	3.7	-	2KJ8002-2JG	■ ■ -3	■ A1	-Z	-	-	
E.49-LE112MB.											
49 ... 247	116	6.08	0.9	-	-	-	2KJ8002-4LH	■ ■ -3	■ N1	-Z	54
55 ... 275	104	5.45	0.99	-	-	-	2KJ8002-4LH	■ ■ -3	■ M1	-Z	54
61 ... 305	94	4.92	1.1	-	-	-	2KJ8002-4LH	■ ■ -3	■ L1	-Z	54
66 ... 330	87	4.54	1.2	-	-	-	2KJ8002-4LH	■ ■ -3	■ K1	-Z	54
72 ... 362	79	4.14	1.3	-	-	-	2KJ8002-4LH	■ ■ -3	■ J1	-Z	54
87 ... 436	66	3.44	1.5	-	-	-	2KJ8002-4LH	■ ■ -3	■ H1	-Z	54
93 ... 463	62	3.24	1.6	-	-	-	2KJ8002-4LH	■ ■ -3	■ G1	-Z	54
98 ... 490	58	3.06	1.7	-	-	-	2KJ8002-4LH	■ ■ -3	■ F1	-Z	54
115 ... 577	50	2.6	2.1	-	-	-	2KJ8002-4LH	■ ■ -3	■ E1	-Z	54
135 ... 673	43	2.23	2.4	-	-	-	2KJ8002-4LH	■ ■ -3	■ D1	-Z	54
153 ... 765	37	1.96	2.8	-	-	-	2KJ8002-4LH	■ ■ -3	■ C1	-Z	54

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see page 5/2	1, 2 or 3	1, 2 or 3
Converter fieldbus communication	see page 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...	...+...

Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4			
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg		
3	E.49-LE112MB.									
	182 ... 909	32	1.65	3.3	-	-	2KJ8002-4LH	■ ■ -3 ■ B1 -Z	54	
	208 ... 1042	28	1.44	3.7	-	-	2KJ8002-4LH	■ ■ -3 ■ A1 -Z	54	
	E.39-LE112MB.									
	84 ... 419	68	3.58	0.85	-	-	2KJ8001-4LH	■ ■ -3 ■ J1 -Z	49	
	91 ... 453	63	3.31	0.92	-	-	2KJ8001-4LH	■ ■ -3 ■ H1 -Z	49	
	102 ... 512	56	2.93	1.2	-	-	2KJ8001-4LH	■ ■ -3 ■ G1 -Z	49	
	123 ... 615	47	2.44	1.4	-	-	2KJ8001-4LH	■ ■ -3 ■ F1 -Z	49	
	131 ... 655	44	2.29	1.5	-	-	2KJ8001-4LH	■ ■ -3 ■ E1 -Z	49	
	146 ... 728	39	2.06	1.7	-	-	2KJ8001-4LH	■ ■ -3 ■ D1 -Z	49	
	171 ... 857	33	1.75	2	-	-	2KJ8001-4LH	■ ■ -3 ■ C1 -Z	49	
	200 ... 1000	29	1.5	2.1	-	-	2KJ8001-4LH	■ ■ -3 ■ B1 -Z	49	
	233 ... 1163	25	1.29	2.2	-	-	2KJ8001-4LH	■ ■ -3 ■ A1 -Z	49	
	E.39-LE100LB.									
	84 ... 419	68	3.58	0.85	2KJ8001-2JG	■ ■ -3 ■ J1 -Z	43	-	-	
	91 ... 453	63	3.31	0.92	2KJ8001-2JG	■ ■ -3 ■ H1 -Z	43	-	-	
	102 ... 512	56	2.93	1.2	2KJ8001-2JG	■ ■ -3 ■ G1 -Z	43	-	-	
	123 ... 615	47	2.44	1.4	2KJ8001-2JG	■ ■ -3 ■ F1 -Z	43	-	-	
	131 ... 655	44	2.29	1.5	2KJ8001-2JG	■ ■ -3 ■ E1 -Z	43	-	-	
	146 ... 728	39	2.06	1.7	2KJ8001-2JG	■ ■ -3 ■ D1 -Z	43	-	-	
171 ... 857	33	1.75	2	2KJ8001-2JG	■ ■ -3 ■ C1 -Z	43	-	-		
200 ... 1000	29	1.5	2.1	2KJ8001-2JG	■ ■ -3 ■ B1 -Z	43	-	-		
233 ... 1163	25	1.29	2.2	2KJ8001-2JG	■ ■ -3 ■ A1 -Z	43	-	-		
4	D.89-LE112MC.									
	4 ... 20	1890	74.3	0.89	2KJ8208-2LB	■ ■ -3 ■ D1 -Z	94	2KJ8208-4LN	■ ■ -3 ■ D1 -Z	102
	4.6 ... 23	1670	65.67	1	2KJ8208-2LB	■ ■ -3 ■ C1 -Z	94	2KJ8208-4LN	■ ■ -3 ■ C1 -Z	102
	Z.89-LE112MC.									
	5.2 ... 26	1460	57.36	1.2	2KJ8108-2LB	■ ■ -3 ■ A2 -Z	93	2KJ8108-4LN	■ ■ -3 ■ A2 -Z	101
	5.8 ... 29	1310	51.78	1.3	2KJ8108-2LB	■ ■ -3 ■ X1 -Z	93	2KJ8108-4LN	■ ■ -3 ■ X1 -Z	101
	6.4 ... 32	1190	46.97	1.4	2KJ8108-2LB	■ ■ -3 ■ W1 -Z	93	2KJ8108-4LN	■ ■ -3 ■ W1 -Z	101
	6.9 ... 35	1100	43.36	1.5	2KJ8108-2LB	■ ■ -3 ■ V1 -Z	93	2KJ8108-4LN	■ ■ -3 ■ V1 -Z	101
	7.6 ... 38	1000	39.41	1.7	2KJ8108-2LB	■ ■ -3 ■ U1 -Z	93	2KJ8108-4LN	■ ■ -3 ■ U1 -Z	101
	9 ... 45	850	33.38	2	2KJ8108-2LB	■ ■ -3 ■ T1 -Z	93	2KJ8108-4LN	■ ■ -3 ■ T1 -Z	101
	9.6 ... 48	800	31.41	2.1	2KJ8108-2LB	■ ■ -3 ■ S1 -Z	93	2KJ8108-4LN	■ ■ -3 ■ S1 -Z	101
	10.3 ... 52	735	29.01	2.3	2KJ8108-2LB	■ ■ -3 ■ R1 -Z	93	2KJ8108-4LN	■ ■ -3 ■ R1 -Z	101
	11.6 ... 58	655	25.81	2.6	2KJ8108-2LB	■ ■ -3 ■ Q1 -Z	93	2KJ8108-4LN	■ ■ -3 ■ Q1 -Z	101
	13.1 ... 65	580	22.92	2.9	2KJ8108-2LB	■ ■ -3 ■ P1 -Z	93	2KJ8108-4LN	■ ■ -3 ■ P1 -Z	101
	14.6 ... 73	520	20.52	3.2	2KJ8108-2LB	■ ■ -3 ■ N1 -Z	93	2KJ8108-4LN	■ ■ -3 ■ N1 -Z	101
	Z.79-LE112MC.									
	7.5 ... 38	1010	39.94	0.83	2KJ8107-2LB	■ ■ -3 ■ V1 -Z	71	2KJ8107-4LN	■ ■ -3 ■ V1 -Z	79
	8.3 ... 42	920	36.12	0.91	2KJ8107-2LB	■ ■ -3 ■ U1 -Z	71	2KJ8107-4LN	■ ■ -3 ■ U1 -Z	79
	9 ... 45	845	33.34	0.99	2KJ8107-2LB	■ ■ -3 ■ T1 -Z	71	2KJ8107-4LN	■ ■ -3 ■ T1 -Z	79
	9.8 ... 49	775	30.54	1.1	2KJ8107-2LB	■ ■ -3 ■ S1 -Z	71	2KJ8107-4LN	■ ■ -3 ■ S1 -Z	79
	11.7 ... 59	650	25.62	1.3	2KJ8107-2LB	■ ■ -3 ■ R1 -Z	71	2KJ8107-4LN	■ ■ -3 ■ R1 -Z	79
	12.4 ... 62	610	24.12	1.4	2KJ8107-2LB	■ ■ -3 ■ Q1 -Z	71	2KJ8107-4LN	■ ■ -3 ■ Q1 -Z	79
	13.6 ... 68	560	22.13	1.5	2KJ8107-2LB	■ ■ -3 ■ P1 -Z	71	2KJ8107-4LN	■ ■ -3 ■ P1 -Z	79
	15.5 ... 78	490	19.33	1.7	2KJ8107-2LB	■ ■ -3 ■ N1 -Z	71	2KJ8107-4LN	■ ■ -3 ■ N1 -Z	79
	17.3 ... 87	440	17.31	1.9	2KJ8107-2LB	■ ■ -3 ■ M1 -Z	71	2KJ8107-4LN	■ ■ -3 ■ M1 -Z	79
	19.8 ... 99	385	15.13	2.2	2KJ8107-2LB	■ ■ -3 ■ L1 -Z	71	2KJ8107-4LN	■ ■ -3 ■ L1 -Z	79
	23 ... 115	330	12.99	2.5	2KJ8107-2LB	■ ■ -3 ■ K1 -Z	71	2KJ8107-4LN	■ ■ -3 ■ K1 -Z	79
	26 ... 131	290	11.48	2.9	2KJ8107-2LB	■ ■ -3 ■ J1 -Z	71	2KJ8107-4LN	■ ■ -3 ■ J1 -Z	79
	31 ... 154	245	9.76	3.3	2KJ8107-2LB	■ ■ -3 ■ H1 -Z	71	2KJ8107-4LN	■ ■ -3 ■ H1 -Z	79
	36 ... 179	210	8.37	3.7	2KJ8107-2LB	■ ■ -3 ■ G1 -Z	71	2KJ8107-4LN	■ ■ -3 ■ G1 -Z	79
	37 ... 183	205	8.19	3.4	2KJ8107-2LB	■ ■ -3 ■ F1 -Z	71	2KJ8107-4LN	■ ■ -3 ■ F1 -Z	79
	Z.69-LE112MC.									
	10.5 ... 53	725	28.53	0.83	2KJ8106-2LB	■ ■ -3 ■ R1 -Z	62	2KJ8106-4LN	■ ■ -3 ■ R1 -Z	70
	11.5 ... 58	660	26.04	0.9	2KJ8106-2LB	■ ■ -3 ■ Q1 -Z	62	2KJ8106-4LN	■ ■ -3 ■ Q1 -Z	70
	13.9 ... 69	550	21.61	1.1	2KJ8106-2LB	■ ■ -3 ■ P1 -Z	62	2KJ8106-4LN	■ ■ -3 ■ P1 -Z	70
	14.7 ... 74	515	20.34	1.2	2KJ8106-2LB	■ ■ -3 ■ N1 -Z	62	2KJ8106-4LN	■ ■ -3 ■ N1 -Z	70

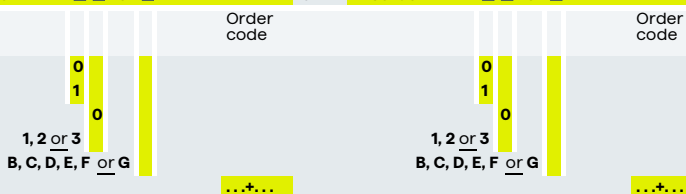
Article No. supplements

Motor temperature sensor without
with Pt1000

Motor brake without
(brake voltage 180 V DC) with see page 5/2

Converter fieldbus communication see page 5/2

Special versions see Chapter 4 „Additional Order options“



Helical geared motors

Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm										
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	Article No.	m
4					(Article No. supplements see below)	kg	(Article No. supplements see below)	kg	(Article No. supplements see below)	kg
Z.69-LE112MC.										
15.6 ... 78	485	19.21	1.2		2KJ8106-2LB	62	2KJ8106-4LN	70		
18.4 ... 92	415	16.34	1.4		2KJ8106-2LB	62	2KJ8106-4LN	70		
21 ... 107	355	14	1.7		2KJ8106-2LB	62	2KJ8106-4LN	70		
24 ... 122	310	12.31	1.9		2KJ8106-2LB	62	2KJ8106-4LN	70		
29 ... 144	265	10.39	2.3		2KJ8106-2LB	62	2KJ8106-4LN	70		
33 ... 166	230	9.05	2.6		2KJ8106-2LB	62	2KJ8106-4LN	70		
35 ... 176	215	8.5	2.1		2KJ8106-2LB	62	2KJ8106-4LN	70		
41 ... 207	184	7.23	2.4		2KJ8106-2LB	62	2KJ8106-4LN	70		
48 ... 242	158	6.2	2.8		2KJ8106-2LB	62	2KJ8106-4LN	70		
55 ... 275	139	5.45	3.1		2KJ8106-2LB	62	2KJ8106-4LN	70		
65 ... 326	117	4.6	3.8		2KJ8106-2LB	62	2KJ8106-4LN	70		
Z.59-LE112MC.										
14.9 ... 74	510	20.2	0.87		2KJ8105-2LB	57	2KJ8105-4LN	65		
15.8 ... 79	480	19.01	0.93		2KJ8105-2LB	57	2KJ8105-4LN	65		
16.7 ... 84	455	17.95	0.98		2KJ8105-2LB	57	2KJ8105-4LN	65		
19.6 ... 98	385	15.27	1.2		2KJ8105-2LB	57	2KJ8105-4LN	65		
23 ... 115	330	13.09	1.3		2KJ8105-2LB	57	2KJ8105-4LN	65		
26 ... 130	290	11.51	1.5		2KJ8105-2LB	57	2KJ8105-4LN	65		
31 ... 154	245	9.71	1.8		2KJ8105-2LB	57	2KJ8105-4LN	65		
35 ... 177	215	8.46	2.1		2KJ8105-2LB	57	2KJ8105-4LN	65		
37 ... 186	205	8.07	2		2KJ8105-2LB	57	2KJ8105-4LN	65		
44 ... 219	175	6.86	2.3		2KJ8105-2LB	57	2KJ8105-4LN	65		
51 ... 255	150	5.88	2.7		2KJ8105-2LB	57	2KJ8105-4LN	65		
58 ... 290	132	5.17	3.1		2KJ8105-2LB	57	2KJ8105-4LN	65		
69 ... 344	111	4.36	3.6		2KJ8105-2LB	57	2KJ8105-4LN	65		
Z.49-LE112MC.										
21 ... 107	355	13.98	0.9		2KJ8104-2LB	55	2KJ8104-4LN	63		
25 ... 125	305	11.97	1		2KJ8104-2LB	55	2KJ8104-4LN	63		
28 ... 142	265	10.53	1.2		2KJ8104-2LB	55	2KJ8104-4LN	63		
34 ... 169	225	8.88	1.4		2KJ8104-2LB	55	2KJ8104-4LN	63		
39 ... 194	197	7.74	1.6		2KJ8104-2LB	55	2KJ8104-4LN	63		
39 ... 196	195	7.64	1.5		2KJ8104-2LB	55	2KJ8104-4LN	63		
42 ... 208	184	7.21	1.6		2KJ8104-2LB	55	2KJ8104-4LN	63		
49 ... 244	156	6.14	1.7		2KJ8104-2LB	55	2KJ8104-4LN	63		
57 ... 285	134	5.26	1.8		2KJ8104-2LB	55	2KJ8104-4LN	63		
65 ... 325	118	4.62	1.9		2KJ8104-2LB	55	2KJ8104-4LN	63		
77 ... 385	99	3.9	2.1		2KJ8104-2LB	55	2KJ8104-4LN	63		
88 ... 441	87	3.4	2.2		2KJ8104-2LB	55	2KJ8104-4LN	63		
E.89-LE112MC.										
31 ... 155	245	9.67	1.1		2KJ8004-2LB	71	2KJ8004-4LN	79		
34 ... 172	220	8.73	1.3		2KJ8004-2LB	71	2KJ8004-4LN	79		
38 ... 189	200	7.92	1.4		2KJ8004-2LB	71	2KJ8004-4LN	79		
41 ... 205	186	7.31	1.4		2KJ8004-2LB	71	2KJ8004-4LN	79		
45 ... 226	169	6.64	1.5		2KJ8004-2LB	71	2KJ8004-4LN	79		
53 ... 267	143	5.62	2.2		2KJ8004-2LB	71	2KJ8004-4LN	79		
57 ... 284	135	5.29	1.6		2KJ8004-2LB	71	2KJ8004-4LN	79		
61 ... 307	125	4.89	2.9		2KJ8004-2LB	71	2KJ8004-4LN	79		
69 ... 345	111	4.35	3.2		2KJ8004-2LB	71	2KJ8004-4LN	79		
78 ... 389	98	3.86	3.7		2KJ8004-2LB	71	2KJ8004-4LN	79		
87 ... 434	88	3.46	4.1		2KJ8004-2LB	71	2KJ8004-4LN	79		
E.69-LE112MC.										
40 ... 198	193	7.58	1.1		2KJ8003-2LB	58	2KJ8003-4LN	66		
44 ... 220	174	6.82	0.98		2KJ8003-2LB	58	2KJ8003-4LN	66		
49 ... 243	157	6.17	1.3		2KJ8003-2LB	58	2KJ8003-4LN	66		
53 ... 264	145	5.69	1.1		2KJ8003-2LB	58	2KJ8003-4LN	66		
58 ... 288	133	5.21	1.5		2KJ8003-2LB	58	2KJ8003-4LN	66		
68 ... 342	112	4.38	1.8		2KJ8003-2LB	58	2KJ8003-4LN	66		
73 ... 364	105	4.12	1.6		2KJ8003-2LB	58	2KJ8003-4LN	66		

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see page 5/2	0 1, 2 or 3	0 1, 2 or 3
Converter fieldbus communication	see page 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions see Chapter 4 „Additional Order options“		...+...	...+...

Selection and ordering data

Control range 1:5

Innomatics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
					Article No. (Article No. supplements see below)	m kg		Article No. (Article No. supplements see below)	m kg	
4	E.69-LE112MC.									
	79 ... 397	96	3.78	2.1	2KJ8003-2LB	■ ■ -3 ■ H1 -Z	58	2KJ8003-4LN	■ ■ -3 ■ H1 -Z	66
	91 ... 455	84	3.3	2.4	2KJ8003-2LB	■ ■ -3 ■ G1 -Z	58	2KJ8003-4LN	■ ■ -3 ■ G1 -Z	66
	102 ... 508	75	2.95	2.7	2KJ8003-2LB	■ ■ -3 ■ F1 -Z	58	2KJ8003-4LN	■ ■ -3 ■ F1 -Z	66
	116 ... 581	66	2.58	3	2KJ8003-2LB	■ ■ -3 ■ E1 -Z	58	2KJ8003-4LN	■ ■ -3 ■ E1 -Z	66
	135 ... 676	56	2.22	3.5	2KJ8003-2LB	■ ■ -3 ■ D1 -Z	58	2KJ8003-4LN	■ ■ -3 ■ D1 -Z	66
	153 ... 765	50	1.96	3.9	2KJ8003-2LB	■ ■ -3 ■ C1 -Z	58	2KJ8003-4LN	■ ■ -3 ■ C1 -Z	66
	E.49-LE112MC.									
	61 ... 305	125	4.92	0.81	2KJ8002-2LB	■ ■ -3 ■ L1 -Z	51	2KJ8002-4LN	■ ■ -3 ■ L1 -Z	59
	66 ... 330	116	4.54	0.88	2KJ8002-2LB	■ ■ -3 ■ K1 -Z	51	2KJ8002-4LN	■ ■ -3 ■ K1 -Z	59
	72 ... 362	105	4.14	0.97	2KJ8002-2LB	■ ■ -3 ■ J1 -Z	51	2KJ8002-4LN	■ ■ -3 ■ J1 -Z	59
	87 ... 436	88	3.44	1.2	2KJ8002-2LB	■ ■ -3 ■ H1 -Z	51	2KJ8002-4LN	■ ■ -3 ■ H1 -Z	59
	93 ... 463	82	3.24	1.2	2KJ8002-2LB	■ ■ -3 ■ G1 -Z	51	2KJ8002-4LN	■ ■ -3 ■ G1 -Z	59
	98 ... 490	78	3.06	1.3	2KJ8002-2LB	■ ■ -3 ■ F1 -Z	51	2KJ8002-4LN	■ ■ -3 ■ F1 -Z	59
	115 ... 577	66	2.6	1.5	2KJ8002-2LB	■ ■ -3 ■ E1 -Z	51	2KJ8002-4LN	■ ■ -3 ■ E1 -Z	59
	135 ... 673	57	2.23	1.8	2KJ8002-2LB	■ ■ -3 ■ D1 -Z	51	2KJ8002-4LN	■ ■ -3 ■ D1 -Z	59
	153 ... 765	50	1.96	2.1	2KJ8002-2LB	■ ■ -3 ■ C1 -Z	51	2KJ8002-4LN	■ ■ -3 ■ C1 -Z	59
	182 ... 909	42	1.65	2.5	2KJ8002-2LB	■ ■ -3 ■ B1 -Z	51	2KJ8002-4LN	■ ■ -3 ■ B1 -Z	59
	208 ... 1042	37	1.44	2.8	2KJ8002-2LB	■ ■ -3 ■ A1 -Z	51	2KJ8002-4LN	■ ■ -3 ■ A1 -Z	59
	E.39-LE112MC.									
	102 ... 512	75	2.93	0.87	2KJ8001-2LB	■ ■ -3 ■ G1 -Z	46	2KJ8001-4LN	■ ■ -3 ■ G1 -Z	54
	123 ... 615	62	2.44	1	2KJ8001-2LB	■ ■ -3 ■ F1 -Z	46	2KJ8001-4LN	■ ■ -3 ■ F1 -Z	54
	131 ... 655	58	2.29	1.1	2KJ8001-2LB	■ ■ -3 ■ E1 -Z	46	2KJ8001-4LN	■ ■ -3 ■ E1 -Z	54
	146 ... 728	52	2.06	1.3	2KJ8001-2LB	■ ■ -3 ■ D1 -Z	46	2KJ8001-4LN	■ ■ -3 ■ D1 -Z	54
	171 ... 857	45	1.75	1.5	2KJ8001-2LB	■ ■ -3 ■ C1 -Z	46	2KJ8001-4LN	■ ■ -3 ■ C1 -Z	54
	200 ... 1000	38	1.5	1.6	2KJ8001-2LB	■ ■ -3 ■ B1 -Z	46	2KJ8001-4LN	■ ■ -3 ■ B1 -Z	54
	233 ... 1163	33	1.29	1.6	2KJ8001-2LB	■ ■ -3 ■ A1 -Z	46	2KJ8001-4LN	■ ■ -3 ■ A1 -Z	54

Article No. supplements

		Order code	Order code
Motor temperature sensor	without	0	0
	with Pt1000	1	1
Motor brake	without	0	0
(brake voltage 180 V DC)	with see page 5/2	1, 2 or 3	1, 2 or 3
Converter fieldbus communication see page 5/2		B, C, D, E, F or G	B, C, D, E, F or G
Special versions see Chapter 4 „Additional Order options“		...+...	...+...

5

Helical geared motors

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm										
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
kW	rpm	Nm	-	-	Article No. (Article No. supplements see below)			m	Article No. (Article No. supplements see below)	
								kg		kg
0.55	D.79-LE71MB.									
	0.91... 9.1	575	330.23	1.5	2KJ8207-2CG	■ ■ -4	■ S1 -Z	44	-	-
	1... 10	525	300.21	1.6	2KJ8207-2CG	■ ■ -4	■ R1 -Z	44	-	-
	1.2... 11.7	445	255.33	1.9	2KJ8207-2CG	■ ■ -4	■ Q1 -Z	44	-	-
	1.3... 12.9	405	232.12	2.1	2KJ8207-2CG	■ ■ -4	■ P1 -Z	44	-	-
	1.4... 14.5	360	207.1	2.3	2KJ8207-2CG	■ ■ -4	■ N1 -Z	44	-	-
	1.6... 16.2	325	185.7	2.6	2KJ8207-2CG	■ ■ -4	■ M1 -Z	44	-	-
	1.8... 17.9	290	167.39	2.9	2KJ8207-2CG	■ ■ -4	■ L1 -Z	44	-	-
	1.9... 19.4	270	154.51	3.1	2KJ8207-2CG	■ ■ -4	■ K1 -Z	44	-	-
	D.69-LE71MB.									
	0.91... 9.1	575	328.49	1	2KJ8206-2CG	■ ■ -4	■ S1 -Z	34	-	-
	1... 10.3	510	292.08	1.2	2KJ8206-2CG	■ ■ -4	■ R1 -Z	34	-	-
	1.2... 11.7	445	256.46	1.3	2KJ8206-2CG	■ ■ -4	■ Q1 -Z	34	-	-
	1.3... 12.9	405	233.14	1.5	2KJ8206-2CG	■ ■ -4	■ P1 -Z	34	-	-
	1.5... 15	345	199.47	1.7	2KJ8206-2CG	■ ■ -4	■ N1 -Z	34	-	-
	1.7... 16.5	315	181.33	1.9	2KJ8206-2CG	■ ■ -4	■ M1 -Z	34	-	-
	1.9... 18.7	280	160.29	2.1	2KJ8206-2CG	■ ■ -4	■ L1 -Z	34	-	-
	2.1... 21	255	145.71	2.4	2KJ8206-2CG	■ ■ -4	■ K1 -Z	34	-	-
	2.4... 24	220	127.63	2.7	2KJ8206-2CG	■ ■ -4	■ J1 -Z	34	-	-
	2.5... 25	205	117.82	2.9	2KJ8206-2CG	■ ■ -4	■ H1 -Z	34	-	-
D.59-LE71MB.										
0.98... 9.8	535	307.02	0.84	2KJ8205-2CG	■ ■ -4	■ S1 -Z	30	-	-	
1.1... 11	475	272.99	0.94	2KJ8205-2CG	■ ■ -4	■ R1 -Z	30	-	-	
1.3... 12.5	420	239.7	1.1	2KJ8205-2CG	■ ■ -4	■ Q1 -Z	30	-	-	
1.4... 13.8	380	217.91	1.2	2KJ8205-2CG	■ ■ -4	■ P1 -Z	30	-	-	
1.6... 16.1	325	186.43	1.4	2KJ8205-2CG	■ ■ -4	■ N1 -Z	30	-	-	
1.8... 17.7	295	169.48	1.5	2KJ8205-2CG	■ ■ -4	■ M1 -Z	30	-	-	
2... 20	260	149.81	1.7	2KJ8205-2CG	■ ■ -4	■ L1 -Z	30	-	-	
2.2... 22	235	136.19	1.9	2KJ8205-2CG	■ ■ -4	■ K1 -Z	30	-	-	
2.5... 25	205	119.3	2.2	2KJ8205-2CG	■ ■ -4	■ J1 -Z	30	-	-	
2.7... 27	193	110.12	2.3	2KJ8205-2CG	■ ■ -4	■ H1 -Z	30	-	-	
3.1... 31	171	97.5	2.6	2KJ8205-2CG	■ ■ -4	■ G1 -Z	30	-	-	
3.7... 37	142	81.15	3.2	2KJ8205-2CG	■ ■ -4	■ F1 -Z	30	-	-	
D.49-LE71MB.										
1.4... 13.7	380	219.3	0.83	2KJ8204-2CG	■ ■ -4	■ Q1 -Z	27	-	-	
1.5... 15	345	199.36	0.92	2KJ8204-2CG	■ ■ -4	■ P1 -Z	27	-	-	
1.8... 17.6	295	170.57	1.1	2KJ8204-2CG	■ ■ -4	■ N1 -Z	27	-	-	
1.9... 19.3	270	155.06	1.2	2KJ8204-2CG	■ ■ -4	■ M1 -Z	27	-	-	
2.2... 22	240	137.06	1.3	2KJ8204-2CG	■ ■ -4	■ L1 -Z	27	-	-	
2.4... 24	215	124.6	1.5	2KJ8204-2CG	■ ■ -4	■ K1 -Z	27	-	-	
2.7... 27	191	109.14	1.7	2KJ8204-2CG	■ ■ -4	■ J1 -Z	27	-	-	
3... 30	176	100.75	1.8	2KJ8204-2CG	■ ■ -4	■ H1 -Z	27	-	-	
3.4... 34	156	89.2	2	2KJ8204-2CG	■ ■ -4	■ G1 -Z	27	-	-	
4... 40	130	74.24	2.5	2KJ8204-2CG	■ ■ -4	■ F1 -Z	27	-	-	
4.3... 43	122	69.88	2.6	2KJ8204-2CG	■ ■ -4	■ E1 -Z	27	-	-	
4.8... 48	110	62.61	2.9	2KJ8204-2CG	■ ■ -4	■ D1 -Z	27	-	-	
D.39-LE71MB.										
2.1... 21	245	141.17	0.81	2KJ8203-2CG	■ ■ -4	■ M1 -Z	17	-	-	
2.3... 23	225	128.34	0.89	2KJ8203-2CG	■ ■ -4	■ L1 -Z	17	-	-	
2.7... 27	197	112.53	1	2KJ8203-2CG	■ ■ -4	■ K1 -Z	17	-	-	
3... 30	176	100.44	1.1	2KJ8203-2CG	■ ■ -4	■ J1 -Z	17	-	-	
3.4... 34	157	89.51	1.3	2KJ8203-2CG	■ ■ -4	■ H1 -Z	17	-	-	
3.6... 36	145	82.63	1.4	2KJ8203-2CG	■ ■ -4	■ G1 -Z	17	-	-	
4.1... 41	127	72.34	1.6	2KJ8203-2CG	■ ■ -4	■ F1 -Z	17	-	-	
4.7... 47	111	63.43	1.8	2KJ8203-2CG	■ ■ -4	■ E1 -Z	17	-	-	
Z.39-LE71MB.										
5.4... 54	98	55.95	2	2KJ8103-2CG	■ ■ -4	■ A2 -Z	17	-	-	
6... 60	87	49.75	2.3	2KJ8103-2CG	■ ■ -4	■ X1 -Z	17	-	-	
6.9... 69	76	43.68	2.6	2KJ8103-2CG	■ ■ -4	■ W1 -Z	17	-	-	

Article No. supplements										
Motor temperature sensor	without	0								
	with Pt1000	1								
Motor brake	without	0								
(brake voltage 180 V DC)	with see page 5/2		1, 2 or 3							
Converter fieldbus communication	see page 5/2		B, C, D, E, F or G							
Special versions	see Chapter 4 „Additional Order options“									

Selection and ordering data

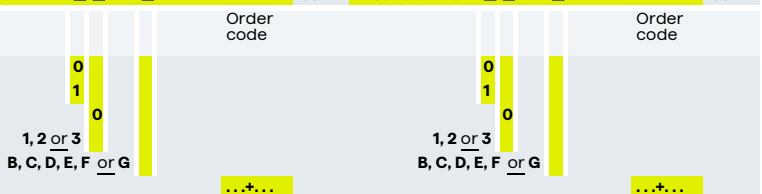
Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B -	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4				
					Article No. (Article No. supplements see below)	m kg		Article No. (Article No. supplements see below)	m kg			
0.55	Z.39-LE71MB.											
	7.6 ... 76	70	39.71	2.9	2KJ8103-2CG	■ ■ -4	■ V1 -Z	17	-	-		
	8.8 ... 88	60	33.97	3.4	2KJ8103-2CG	■ ■ -4	■ U1 -Z	17	-	-		
	D.29-LE71MB.											
	3.3 ... 33	161	92.01	0.87	2KJ8202-2CG	■ ■ -4	■ H1 -Z	16	-	-		
	3.7 ... 37	143	81.71	0.98	2KJ8202-2CG	■ ■ -4	■ G1 -Z	16	-	-		
	4 ... 40	132	75.42	1.1	2KJ8202-2CG	■ ■ -4	■ F1 -Z	16	-	-		
	4.6 ... 46	115	65.52	1.2	2KJ8202-2CG	■ ■ -4	■ E1 -Z	16	-	-		
	5.3 ... 53	100	56.93	1.4	2KJ8202-2CG	■ ■ -4	■ D1 -Z	16	-	-		
	5.8 ... 58	90	51.4	1.6	2KJ8202-2CG	■ ■ -4	■ C1 -Z	16	-	-		
	6.2 ... 62	85	48.37	1.7	2KJ8202-2CG	■ ■ -4	■ B1 -Z	16	-	-		
	Z.29-LE71MB.											
	7.2 ... 72	72	41.4	1.9	2KJ8102-2CG	■ ■ -4	■ A2 -Z	16	-	-		
	8.2 ... 82	64	36.72	2.2	2KJ8102-2CG	■ ■ -4	■ X1 -Z	16	-	-		
	9.4 ... 94	56	31.86	2.5	2KJ8102-2CG	■ ■ -4	■ W1 -Z	16	-	-		
	10.4 ... 104	51	28.96	2.8	2KJ8102-2CG	■ ■ -4	■ V1 -Z	16	-	-		
	12.1 ... 121	44	24.84	3.2	2KJ8102-2CG	■ ■ -4	■ U1 -Z	16	-	-		
	13.3 ... 133	40	22.58	3.5	2KJ8102-2CG	■ ■ -4	■ T1 -Z	16	-	-		
	D.19-LE71MB.											
	4.3 ... 43	121	69.32	0.82	2KJ8201-2CG	■ ■ -4	■ G1 -Z	14	-	-		
	4.7 ... 47	112	63.99	0.89	2KJ8201-2CG	■ ■ -4	■ F1 -Z	14	-	-		
	5.4 ... 54	97	55.59	1	2KJ8201-2CG	■ ■ -4	■ E1 -Z	14	-	-		
	6.2 ... 62	85	48.3	1.2	2KJ8201-2CG	■ ■ -4	■ D1 -Z	14	-	-		
	6.9 ... 69	76	43.61	1.3	2KJ8201-2CG	■ ■ -4	■ C1 -Z	14	-	-		
	7.3 ... 73	72	41.04	1.4	2KJ8201-2CG	■ ■ -4	■ B1 -Z	14	-	-		
	Z.19-LE71MB.											
	8.6 ... 86	61	34.97	1.6	2KJ8101-2CG	■ ■ -4	■ W1 -Z	14	-	-		
	9.7 ... 97	54	30.97	1.8	2KJ8101-2CG	■ ■ -4	■ V1 -Z	14	-	-		
	11.1 ... 111	47	26.91	2.1	2KJ8101-2CG	■ ■ -4	■ U1 -Z	14	-	-		
	12.3 ... 123	43	24.46	2.3	2KJ8101-2CG	■ ■ -4	■ T1 -Z	14	-	-		
14.4 ... 144	36	20.82	2.7	2KJ8101-2CG	■ ■ -4	■ S1 -Z	14	-	-			
15.9 ... 159	33	18.92	3	2KJ8101-2CG	■ ■ -4	■ R1 -Z	14	-	-			
18.2 ... 182	29	16.5	3.4	2KJ8101-2CG	■ ■ -4	■ Q1 -Z	14	-	-			
20 ... 203	26	14.77	3.7	2KJ8101-2CG	■ ■ -4	■ P1 -Z	14	-	-			
E.39-LE71MB.												
33 ... 325	16	9.22	1.9	2KJ8001-2CG	■ ■ -4	■ S1 -Z	18	-	-			
37 ... 366	14	8.2	2.4	2KJ8001-2CG	■ ■ -4	■ R1 -Z	18	-	-			
42 ... 417	13	7.2	3.2	2KJ8001-2CG	■ ■ -4	■ Q1 -Z	18	-	-			
46 ... 458	12	6.55	3.5	2KJ8001-2CG	■ ■ -4	■ P1 -Z	18	-	-			
54 ... 536	10	5.6	4.1	2KJ8001-2CG	■ ■ -4	■ N1 -Z	18	-	-			
0.75	D.89-LE80MA.											
	0.96 ... 9.6	740	311.6	2.3	2KJ8208-2EB	■ ■ -4	■ S1 -Z	72	2KJ8208-4EC	■ ■ -4	■ S1 -Z	72
	1.1 ... 10.6	675	283.28	2.5	2KJ8208-2EB	■ ■ -4	■ R1 -Z	72	2KJ8208-4EC	■ ■ -4	■ R1 -Z	72
	1.2 ... 11.8	605	254.09	2.8	2KJ8208-2EB	■ ■ -4	■ Q1 -Z	72	2KJ8208-4EC	■ ■ -4	■ Q1 -Z	72
	D.79-LE80MA.											
	0.91 ... 9.1	785	330.23	1.1	2KJ8207-2EB	■ ■ -4	■ S1 -Z	49	2KJ8207-4EC	■ ■ -4	■ S1 -Z	49
	1 ... 10	715	300.21	1.2	2KJ8207-2EB	■ ■ -4	■ R1 -Z	49	2KJ8207-4EC	■ ■ -4	■ R1 -Z	49
	1.2 ... 11.7	610	255.33	1.4	2KJ8207-2EB	■ ■ -4	■ Q1 -Z	49	2KJ8207-4EC	■ ■ -4	■ Q1 -Z	49
	1.3 ... 12.9	550	232.12	1.5	2KJ8207-2EB	■ ■ -4	■ P1 -Z	49	2KJ8207-4EC	■ ■ -4	■ P1 -Z	49
	1.4 ... 14.5	490	207.1	1.7	2KJ8207-2EB	■ ■ -4	■ N1 -Z	49	2KJ8207-4EC	■ ■ -4	■ N1 -Z	49
	1.6 ... 16.2	440	185.7	1.9	2KJ8207-2EB	■ ■ -4	■ M1 -Z	49	2KJ8207-4EC	■ ■ -4	■ M1 -Z	49
	1.8 ... 17.9	400	167.39	2.1	2KJ8207-2EB	■ ■ -4	■ L1 -Z	49	2KJ8207-4EC	■ ■ -4	■ L1 -Z	49
	1.9 ... 19.4	365	154.51	2.3	2KJ8207-2EB	■ ■ -4	■ K1 -Z	49	2KJ8207-4EC	■ ■ -4	■ K1 -Z	49
	2.1 ... 21	335	141.04	2.5	2KJ8207-2EB	■ ■ -4	■ J1 -Z	49	2KJ8207-4EC	■ ■ -4	■ J1 -Z	49
	2.6 ... 26	275	117.03	3	2KJ8207-2EB	■ ■ -4	■ H1 -Z	49	2KJ8207-4EC	■ ■ -4	■ H1 -Z	49
	D.69-LE80MA.											
	1 ... 10.3	695	292.08	0.86	2KJ8206-2EB	■ ■ -4	■ R1 -Z	39	2KJ8206-4EC	■ ■ -4	■ R1 -Z	39
	1.2 ... 11.7	610	256.46	0.98	2KJ8206-2EB	■ ■ -4	■ Q1 -Z	39	2KJ8206-4EC	■ ■ -4	■ Q1 -Z	39
	1.3 ... 12.9	555	233.14	1.1	2KJ8206-2EB	■ ■ -4	■ P1 -Z	39	2KJ8206-4EC	■ ■ -4	■ P1 -Z	39

Article No. supplements

Motor temperature sensor	without with Pt1000	0 1
Motor brake (brake voltage 180 V DC)	without with see page 5/2	0 1, 2 or 3
Converter fieldbus communication	see page 5/2	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...



Helical geared motors

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm										
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	Article No.	m
					(Article No. supplements see below)	kg	(Article No. supplements see below)	kg	(Article No. supplements see below)	kg
0.75	D.69-LE80MA.									
1.5 ... 15	475	199.47	1.3		2KJ8206-2EB	39	2KJ8206-4EC	39		
1.7 ... 16.5	430	181.33	1.4		2KJ8206-2EB	39	2KJ8206-4EC	39		
1.9 ... 18.7	380	160.29	1.6		2KJ8206-2EB	39	2KJ8206-4EC	39		
2.1 ... 21	345	145.71	1.7		2KJ8206-2EB	39	2KJ8206-4EC	39		
2.4 ... 24	305	127.63	2		2KJ8206-2EB	39	2KJ8206-4EC	39		
2.5 ... 25	280	117.82	2.1		2KJ8206-2EB	39	2KJ8206-4EC	39		
2.9 ... 29	245	104.31	2.4		2KJ8206-2EB	39	2KJ8206-4EC	39		
3.5 ... 35	205	86.82	2.9		2KJ8206-2EB	39	2KJ8206-4EC	39		
3.7 ... 37	195	81.71	3.1		2KJ8206-2EB	39	2KJ8206-4EC	39		
	D.59-LE80MA.									
1.4 ... 13.8	520	217.91	0.86		2KJ8205-2EB	34	2KJ8205-4EC	34		
1.6 ... 16.1	445	186.43	1		2KJ8205-2EB	34	2KJ8205-4EC	34		
1.8 ... 17.7	405	169.48	1.1		2KJ8205-2EB	34	2KJ8205-4EC	34		
2 ... 20	355	149.81	1.3		2KJ8205-2EB	34	2KJ8205-4EC	34		
2.2 ... 22	325	136.19	1.4		2KJ8205-2EB	34	2KJ8205-4EC	34		
2.5 ... 25	285	119.3	1.6		2KJ8205-2EB	34	2KJ8205-4EC	34		
2.7 ... 27	260	110.12	1.7		2KJ8205-2EB	34	2KJ8205-4EC	34		
3.1 ... 31	230	97.5	1.9		2KJ8205-2EB	34	2KJ8205-4EC	34		
3.7 ... 37	194	81.15	2.3		2KJ8205-2EB	34	2KJ8205-4EC	34		
3.9 ... 39	182	76.38	2.5		2KJ8205-2EB	34	2KJ8205-4EC	34		
4.4 ... 44	163	68.43	2.8		2KJ8205-2EB	34	2KJ8205-4EC	34		
	Z.59-LE80MA.									
5.3 ... 53	136	56.99	3.3		2KJ8105-2EB	34	2KJ8105-4EC	34		
	D.49-LE80MA.									
1.9 ... 19.3	370	155.06	0.86		2KJ8204-2EB	32	2KJ8204-4EC	32		
2.2 ... 22	325	137.06	0.98		2KJ8204-2EB	32	2KJ8204-4EC	32		
2.4 ... 24	295	124.6	1.1		2KJ8204-2EB	32	2KJ8204-4EC	32		
2.7 ... 27	260	109.14	1.2		2KJ8204-2EB	32	2KJ8204-4EC	32		
3 ... 30	240	100.75	1.3		2KJ8204-2EB	32	2KJ8204-4EC	32		
3.4 ... 34	210	89.2	1.5		2KJ8204-2EB	32	2KJ8204-4EC	32		
4 ... 40	177	74.24	1.8		2KJ8204-2EB	32	2KJ8204-4EC	32		
4.3 ... 43	167	69.88	1.9		2KJ8204-2EB	32	2KJ8204-4EC	32		
4.8 ... 48	149	62.61	2.1		2KJ8204-2EB	32	2KJ8204-4EC	32		
	Z.49-LE80MA.									
5.8 ... 58	124	52.14	2.6		2KJ8104-2EB	32	2KJ8104-4EC	32		
6.3 ... 63	113	47.4	2.8		2KJ8104-2EB	32	2KJ8104-4EC	32		
7.4 ... 74	96	40.31	3.3		2KJ8104-2EB	32	2KJ8104-4EC	32		
	D.39-LE80MA.									
3 ... 30	240	100.44	0.83		2KJ8203-2EB	22	2KJ8203-4EC	22		
3.4 ... 34	210	89.51	0.94		2KJ8203-2EB	22	2KJ8203-4EC	22		
3.6 ... 36	197	82.63	1		2KJ8203-2EB	22	2KJ8203-4EC	22		
4.1 ... 41	173	72.34	1.2		2KJ8203-2EB	22	2KJ8203-4EC	22		
4.7 ... 47	151	63.43	1.3		2KJ8203-2EB	22	2KJ8203-4EC	22		
5.2 ... 52	137	57.54	1.5		2KJ8203-2EB	22	2KJ8203-4EC	22		
	Z.39-LE80MA.									
6 ... 60	119	49.75	1.7		2KJ8103-2EB	21	2KJ8103-4EC	21		
6.9 ... 69	104	43.68	1.9		2KJ8103-2EB	21	2KJ8103-4EC	21		
7.6 ... 76	95	39.71	2.1		2KJ8103-2EB	21	2KJ8103-4EC	21		
8.8 ... 88	81	33.97	2.5		2KJ8103-2EB	21	2KJ8103-4EC	21		
9.7 ... 97	74	30.88	2.7		2KJ8103-2EB	21	2KJ8103-4EC	21		
11 ... 110	65	27.3	3.1		2KJ8103-2EB	21	2KJ8103-4EC	21		
12.1 ... 121	59	24.82	3.4		2KJ8103-2EB	21	2KJ8103-4EC	21		
	D.29-LE80MA.									
4.6 ... 46	156	65.52	0.89		2KJ8202-2EB	20	2KJ8202-4EC	20		
5.3 ... 53	136	56.93	1		2KJ8202-2EB	20	2KJ8202-4EC	20		
5.8 ... 58	123	51.4	1.1		2KJ8202-2EB	20	2KJ8202-4EC	20		
6.2 ... 62	115	48.37	1.2		2KJ8202-2EB	20	2KJ8202-4EC	20		
7.1 ... 71	101	42.17	1.4		2KJ8202-2EB	20	2KJ8202-4EC	20		

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	
Motor brake (brake voltage 180 V DC)	without with see page 5/2	0 1, 2 or 3	
Converter fieldbus communication	see page 5/2	B, C, D, E, F or G	
Special versions	see Chapter 4 „Additional Order options“	...+...	

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B -	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4		
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg	
0.75	Z.29-LE80MA.								
	8.2 ... 82	88	36.72	1.6	2KJ8102-2EB	20	2KJ8102-4EC	20	
	9.4 ... 94	76	31.86	1.8	2KJ8102-2EB	20	2KJ8102-4EC	20	
	10.4 ... 104	69	28.96	2	2KJ8102-2EB	20	2KJ8102-4EC	20	
	12.1 ... 121	59	24.84	2.4	2KJ8102-2EB	20	2KJ8102-4EC	20	
	13.3 ... 133	54	22.58	2.6	2KJ8102-2EB	20	2KJ8102-4EC	20	
	15.2 ... 152	47	19.8	3	2KJ8102-2EB	20	2KJ8102-4EC	20	
	17 ... 170	42	17.67	3.3	2KJ8102-2EB	20	2KJ8102-4EC	20	
	19 ... 190	38	15.75	3.7	2KJ8102-2EB	20	2KJ8102-4EC	20	
	21 ... 206	35	14.54	3.5	2KJ8102-2EB	20	2KJ8102-4EC	20	
	Z.19-LE80MA.								
	9.7 ... 97	74	30.97	1.4	2KJ8101-2EB	18	2KJ8101-4EC	18	
	11.1 ... 111	64	26.91	1.6	2KJ8101-2EB	18	2KJ8101-4EC	18	
	12.3 ... 123	58	24.46	1.7	2KJ8101-2EB	18	2KJ8101-4EC	18	
	14.4 ... 144	50	20.82	2	2KJ8101-2EB	18	2KJ8101-4EC	18	
	15.9 ... 159	45	18.92	2.2	2KJ8101-2EB	18	2KJ8101-4EC	18	
	18.2 ... 182	39	16.5	2.5	2KJ8101-2EB	18	2KJ8101-4EC	18	
	20 ... 203	35	14.77	2.7	2KJ8101-2EB	18	2KJ8101-4EC	18	
	23 ... 229	31	13.12	2.9	2KJ8101-2EB	18	2KJ8101-4EC	18	
	25 ... 248	29	12.11	3	2KJ8101-2EB	18	2KJ8101-4EC	18	
	29 ... 285	25	10.52	3.3	2KJ8101-2EB	18	2KJ8101-4EC	18	
33 ... 328	22	9.14	3.6	2KJ8101-2EB	18	2KJ8101-4EC	18		
36 ... 364	20	8.25	3.8	2KJ8101-2EB	18	2KJ8101-4EC	18		
39 ... 387	18	7.76	3.9	2KJ8101-2EB	18	2KJ8101-4EC	18		
44 ... 443	16	6.77	4.2	2KJ8101-2EB	18	2KJ8101-4EC	18		
48 ... 480	15	6.25	3.8	2KJ8101-2EB	18	2KJ8101-4EC	18		
55 ... 552	13	5.43	4.1	2KJ8101-2EB	18	2KJ8101-4EC	18		
E.49-LE80MA.									
31 ... 309	23	9.7	3.7	2KJ8002-2EB	28	2KJ8002-4EC	28		
E.39-LE80MA.									
37 ... 366	20	8.2	1.7	2KJ8001-2EB	22	2KJ8001-4EC	22		
42 ... 417	17	7.2	2.3	2KJ8001-2EB	22	2KJ8001-4EC	22		
46 ... 458	16	6.55	2.6	2KJ8001-2EB	22	2KJ8001-4EC	22		
54 ... 536	13	5.6	3	2KJ8001-2EB	22	2KJ8001-4EC	22		
59 ... 589	12	5.09	3.3	2KJ8001-2EB	22	2KJ8001-4EC	22		
1.1	D.89-LE80MB.								
	0.96 ... 9.6	1090	311.6	1.5	2KJ8208-2EG	71	2KJ8208-4EH	74	
	1.1 ... 10.6	990	283.28	1.7	2KJ8208-2EG	71	2KJ8208-4EH	74	
	1.2 ... 11.8	890	254.09	1.9	2KJ8208-2EG	71	2KJ8208-4EH	74	
	1.3 ... 13.1	800	228.45	2.1	2KJ8208-2EG	71	2KJ8208-4EH	74	
	1.5 ... 14.5	720	206.62	2.3	2KJ8208-2EG	71	2KJ8208-4EH	74	
	1.6 ... 15.7	665	190.73	2.5	2KJ8208-2EG	71	2KJ8208-4EH	74	
	1.7 ... 17.2	610	174.71	2.7	2KJ8208-2EG	71	2KJ8208-4EH	74	
	D.79-LE80MB.								
	1 ... 10	1050	300.21	0.8	2KJ8207-2EG	48	2KJ8207-4EH	51	
	1.2 ... 11.7	890	255.33	0.94	2KJ8207-2EG	48	2KJ8207-4EH	51	
	1.3 ... 12.9	810	232.12	1	2KJ8207-2EG	48	2KJ8207-4EH	51	
	1.4 ... 14.5	725	207.1	1.2	2KJ8207-2EG	48	2KJ8207-4EH	51	
	1.6 ... 16.2	650	185.7	1.3	2KJ8207-2EG	48	2KJ8207-4EH	51	
	1.8 ... 17.9	585	167.39	1.4	2KJ8207-2EG	48	2KJ8207-4EH	51	
	1.9 ... 19.4	540	154.51	1.6	2KJ8207-2EG	48	2KJ8207-4EH	51	
	2.1 ... 21	490	141.04	1.7	2KJ8207-2EG	48	2KJ8207-4EH	51	
	2.6 ... 26	410	117.03	2	2KJ8207-2EG	48	2KJ8207-4EH	51	
	2.7 ... 27	385	110.14	2.2	2KJ8207-2EG	48	2KJ8207-4EH	51	
	2.9 ... 29	360	104.03	2.3	2KJ8207-2EG	48	2KJ8207-4EH	51	
	3.4 ... 34	310	88.52	2.7	2KJ8207-2EG	48	2KJ8207-4EH	51	
4 ... 40	265	75.83	3.2	2KJ8207-2EG	48	2KJ8207-4EH	51		
D.69-LE80MB.									
1.5 ... 15	695	199.47	0.86	2KJ8206-2EG	38	2KJ8206-4EH	41		

Article No. supplements		Order code	Order code
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see page 5/2	1, 2 or 3	1, 2 or 3
Converter fieldbus communication	see page 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions see Chapter 4 „Additional Order options“		...+...	...+...

Helical geared motors

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
					Article No. (Article No. supplements see below)	m kg		Article No. (Article No. supplements see below)	m kg	
1.1										
D.69-LE80MB.										
1.7 ... 16.5	635	181.33	0.94		2KJ8206-2EG	■ ■ -4 ■ M1 -Z	38	2KJ8206-4EH	■ ■ -4 ■ M1 -Z	41
1.9 ... 18.7	560	160.29	1.1		2KJ8206-2EG	■ ■ -4 ■ L1 -Z	38	2KJ8206-4EH	■ ■ -4 ■ L1 -Z	41
2.1 ... 21	510	145.71	1.2		2KJ8206-2EG	■ ■ -4 ■ K1 -Z	38	2KJ8206-4EH	■ ■ -4 ■ K1 -Z	41
2.4 ... 24	445	127.63	1.3		2KJ8206-2EG	■ ■ -4 ■ J1 -Z	38	2KJ8206-4EH	■ ■ -4 ■ J1 -Z	41
2.5 ... 25	410	117.82	1.5		2KJ8206-2EG	■ ■ -4 ■ H1 -Z	38	2KJ8206-4EH	■ ■ -4 ■ H1 -Z	41
2.9 ... 29	365	104.31	1.6		2KJ8206-2EG	■ ■ -4 ■ G1 -Z	38	2KJ8206-4EH	■ ■ -4 ■ G1 -Z	41
3.5 ... 35	300	86.82	2		2KJ8206-2EG	■ ■ -4 ■ F1 -Z	38	2KJ8206-4EH	■ ■ -4 ■ F1 -Z	41
3.7 ... 37	285	81.71	2.1		2KJ8206-2EG	■ ■ -4 ■ E1 -Z	38	2KJ8206-4EH	■ ■ -4 ■ E1 -Z	41
4.1 ... 41	255	73.22	2.3		2KJ8206-2EG	■ ■ -4 ■ D1 -Z	38	2KJ8206-4EH	■ ■ -4 ■ D1 -Z	41
Z.69-LE80MB.										
4.9 ... 49	210	60.97	2.8		2KJ8106-2EG	■ ■ -4 ■ A2 -Z	37	2KJ8106-4EH	■ ■ -4 ■ A2 -Z	40
5.4 ... 54	194	55.43	3.1		2KJ8106-2EG	■ ■ -4 ■ X1 -Z	37	2KJ8106-4EH	■ ■ -4 ■ X1 -Z	40
D.59-LE80MB.										
2 ... 20	525	149.81	0.86		2KJ8205-2EG	■ ■ -4 ■ L1 -Z	33	2KJ8205-4EH	■ ■ -4 ■ L1 -Z	36
2.2 ... 22	475	136.19	0.94		2KJ8205-2EG	■ ■ -4 ■ K1 -Z	33	2KJ8205-4EH	■ ■ -4 ■ K1 -Z	36
2.5 ... 25	415	119.3	1.1		2KJ8205-2EG	■ ■ -4 ■ J1 -Z	33	2KJ8205-4EH	■ ■ -4 ■ J1 -Z	36
2.7 ... 27	385	110.12	1.2		2KJ8205-2EG	■ ■ -4 ■ H1 -Z	33	2KJ8205-4EH	■ ■ -4 ■ H1 -Z	36
3.1 ... 31	340	97.5	1.3		2KJ8205-2EG	■ ■ -4 ■ G1 -Z	33	2KJ8205-4EH	■ ■ -4 ■ G1 -Z	36
3.7 ... 37	280	81.15	1.6		2KJ8205-2EG	■ ■ -4 ■ F1 -Z	33	2KJ8205-4EH	■ ■ -4 ■ F1 -Z	36
3.9 ... 39	265	76.38	1.7		2KJ8205-2EG	■ ■ -4 ■ E1 -Z	33	2KJ8205-4EH	■ ■ -4 ■ E1 -Z	36
4.4 ... 44	240	68.43	1.9		2KJ8205-2EG	■ ■ -4 ■ D1 -Z	33	2KJ8205-4EH	■ ■ -4 ■ D1 -Z	36
Z.59-LE80MB.										
5.3 ... 53	200	56.99	2.3		2KJ8105-2EG	■ ■ -4 ■ A2 -Z	33	2KJ8105-4EH	■ ■ -4 ■ A2 -Z	36
5.8 ... 58	181	51.81	2.5		2KJ8105-2EG	■ ■ -4 ■ X1 -Z	33	2KJ8105-4EH	■ ■ -4 ■ X1 -Z	36
6.8 ... 68	154	44.06	2.9		2KJ8105-2EG	■ ■ -4 ■ W1 -Z	33	2KJ8105-4EH	■ ■ -4 ■ W1 -Z	36
7.5 ... 75	140	40.06	3.2		2KJ8105-2EG	■ ■ -4 ■ V1 -Z	33	2KJ8105-4EH	■ ■ -4 ■ V1 -Z	36
D.49-LE80MB.										
2.7 ... 27	380	109.14	0.84		2KJ8204-2EG	■ ■ -4 ■ J1 -Z	31	2KJ8204-4EH	■ ■ -4 ■ J1 -Z	34
3 ... 30	350	100.75	0.91		2KJ8204-2EG	■ ■ -4 ■ H1 -Z	31	2KJ8204-4EH	■ ■ -4 ■ H1 -Z	34
3.4 ... 34	310	89.2	1		2KJ8204-2EG	■ ■ -4 ■ G1 -Z	31	2KJ8204-4EH	■ ■ -4 ■ G1 -Z	34
4 ... 40	260	74.24	1.2		2KJ8204-2EG	■ ■ -4 ■ F1 -Z	31	2KJ8204-4EH	■ ■ -4 ■ F1 -Z	34
4.3 ... 43	245	69.88	1.3		2KJ8204-2EG	■ ■ -4 ■ E1 -Z	31	2KJ8204-4EH	■ ■ -4 ■ E1 -Z	34
4.8 ... 48	215	62.61	1.5		2KJ8204-2EG	■ ■ -4 ■ D1 -Z	31	2KJ8204-4EH	■ ■ -4 ■ D1 -Z	34
Z.49-LE80MB.										
5.8 ... 58	183	52.14	1.8		2KJ8104-2EG	■ ■ -4 ■ B2 -Z	31	2KJ8104-4EH	■ ■ -4 ■ B2 -Z	34
6.3 ... 63	166	47.4	1.9		2KJ8104-2EG	■ ■ -4 ■ A2 -Z	31	2KJ8104-4EH	■ ■ -4 ■ A2 -Z	34
7.4 ... 74	141	40.31	2.3		2KJ8104-2EG	■ ■ -4 ■ X1 -Z	31	2KJ8104-4EH	■ ■ -4 ■ X1 -Z	34
8.2 ... 82	128	36.65	2.5		2KJ8104-2EG	■ ■ -4 ■ W1 -Z	31	2KJ8104-4EH	■ ■ -4 ■ W1 -Z	34
9.2 ... 92	115	32.7	2.8		2KJ8104-2EG	■ ■ -4 ■ V1 -Z	31	2KJ8104-4EH	■ ■ -4 ■ V1 -Z	34
10.2 ... 102	103	29.32	3.1		2KJ8104-2EG	■ ■ -4 ■ U1 -Z	31	2KJ8104-4EH	■ ■ -4 ■ U1 -Z	34
11.4 ... 114	92	26.43	3.5		2KJ8104-2EG	■ ■ -4 ■ T1 -Z	31	2KJ8104-4EH	■ ■ -4 ■ T1 -Z	34
D.39-LE80MB.										
4.7 ... 47	220	63.43	0.9		2KJ8203-2EG	■ ■ -4 ■ E1 -Z	21	2KJ8203-4EH	■ ■ -4 ■ E1 -Z	24
5.2 ... 52	200	57.54	0.99		2KJ8203-2EG	■ ■ -4 ■ D1 -Z	21	2KJ8203-4EH	■ ■ -4 ■ D1 -Z	24
Z.39-LE80MB.										
6 ... 60	174	49.75	1.1		2KJ8103-2EG	■ ■ -4 ■ X1 -Z	20	2KJ8103-4EH	■ ■ -4 ■ X1 -Z	23
6.9 ... 69	153	43.68	1.3		2KJ8103-2EG	■ ■ -4 ■ W1 -Z	20	2KJ8103-4EH	■ ■ -4 ■ W1 -Z	23
7.6 ... 76	139	39.71	1.4		2KJ8103-2EG	■ ■ -4 ■ V1 -Z	20	2KJ8103-4EH	■ ■ -4 ■ V1 -Z	23
8.8 ... 88	119	33.97	1.7		2KJ8103-2EG	■ ■ -4 ■ U1 -Z	20	2KJ8103-4EH	■ ■ -4 ■ U1 -Z	23
9.7 ... 97	108	30.88	1.8		2KJ8103-2EG	■ ■ -4 ■ T1 -Z	20	2KJ8103-4EH	■ ■ -4 ■ T1 -Z	23
11 ... 110	96	27.3	2.1		2KJ8103-2EG	■ ■ -4 ■ S1 -Z	20	2KJ8103-4EH	■ ■ -4 ■ S1 -Z	23
12.1 ... 121	87	24.82	2.3		2KJ8103-2EG	■ ■ -4 ■ R1 -Z	20	2KJ8103-4EH	■ ■ -4 ■ R1 -Z	23
13.8 ... 138	76	21.74	2.6		2KJ8103-2EG	■ ■ -4 ■ Q1 -Z	20	2KJ8103-4EH	■ ■ -4 ■ Q1 -Z	23
14.9 ... 149	70	20.07	2.8		2KJ8103-2EG	■ ■ -4 ■ P1 -Z	20	2KJ8103-4EH	■ ■ -4 ■ P1 -Z	23
16.9 ... 169	62	17.77	3.2		2KJ8103-2EG	■ ■ -4 ■ N1 -Z	20	2KJ8103-4EH	■ ■ -4 ■ N1 -Z	23
20 ... 203	52	14.79	3.7		2KJ8103-2EG	■ ■ -4 ■ M1 -Z	20	2KJ8103-4EH	■ ■ -4 ■ M1 -Z	23
D.29-LE80MB.										
6.2 ... 62	169	48.37	0.83		2KJ8202-2EG	■ ■ -4 ■ B1 -Z	19	2KJ8202-4EH	■ ■ -4 ■ B1 -Z	22

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see page 5/2	1, 2 or 3 B, C, D, E, F or G	1, 2 or 3 B, C, D, E, F or G
Converter fieldbus communication	see page 5/2		
Special versions	see Chapter 4 „Additional Order options“	...+...	...+...

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B -	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
					Article No. (Article No. supplements see below)	m kg		Article No. (Article No. supplements see below)	m kg	
1.1	D.29-LE80MB.									
	7.1 ... 71	148	42.17	0.95	2KJ8202-2EG	■ ■ -4 ■ A1 -Z	19	2KJ8202-4EH	■ ■ -4 ■ A1 -Z	22
	Z.29-LE80MB.									
	8.2 ... 82	129	36.72	1.1	2KJ8102-2EG	■ ■ -4 ■ X1 -Z	19	2KJ8102-4EH	■ ■ -4 ■ X1 -Z	22
	9.4 ... 94	112	31.86	1.3	2KJ8102-2EG	■ ■ -4 ■ W1 -Z	19	2KJ8102-4EH	■ ■ -4 ■ W1 -Z	22
	10.4 ... 104	101	28.96	1.4	2KJ8102-2EG	■ ■ -4 ■ V1 -Z	19	2KJ8102-4EH	■ ■ -4 ■ V1 -Z	22
	12.1 ... 121	87	24.84	1.6	2KJ8102-2EG	■ ■ -4 ■ U1 -Z	19	2KJ8102-4EH	■ ■ -4 ■ U1 -Z	22
	13.3 ... 133	79	22.58	1.8	2KJ8102-2EG	■ ■ -4 ■ T1 -Z	19	2KJ8102-4EH	■ ■ -4 ■ T1 -Z	22
	15.2 ... 152	69	19.8	2	2KJ8102-2EG	■ ■ -4 ■ S1 -Z	19	2KJ8102-4EH	■ ■ -4 ■ S1 -Z	22
	17 ... 170	62	17.67	2.3	2KJ8102-2EG	■ ■ -4 ■ R1 -Z	19	2KJ8102-4EH	■ ■ -4 ■ R1 -Z	22
	19 ... 190	55	15.75	2.5	2KJ8102-2EG	■ ■ -4 ■ Q1 -Z	19	2KJ8102-4EH	■ ■ -4 ■ Q1 -Z	22
	21 ... 206	51	14.54	2.4	2KJ8102-2EG	■ ■ -4 ■ P1 -Z	19	2KJ8102-4EH	■ ■ -4 ■ P1 -Z	22
	24 ... 236	45	12.73	3.1	2KJ8102-2EG	■ ■ -4 ■ N1 -Z	19	2KJ8102-4EH	■ ■ -4 ■ N1 -Z	22
	27 ... 269	39	11.16	3.6	2KJ8102-2EG	■ ■ -4 ■ M1 -Z	19	2KJ8102-4EH	■ ■ -4 ■ M1 -Z	22
	30 ... 296	35	10.12	4	2KJ8102-2EG	■ ■ -4 ■ L1 -Z	19	2KJ8102-4EH	■ ■ -4 ■ L1 -Z	22
	43 ... 434	24	6.92	3.1	2KJ8102-2EG	■ ■ -4 ■ G1 -Z	19	2KJ8102-4EH	■ ■ -4 ■ G1 -Z	22
	Z.19-LE80MB.									
	9.7 ... 97	108	30.97	0.92	2KJ8101-2EG	■ ■ -4 ■ V1 -Z	17	2KJ8101-4EH	■ ■ -4 ■ V1 -Z	20
	11.1 ... 111	94	26.91	1.1	2KJ8101-2EG	■ ■ -4 ■ U1 -Z	17	2KJ8101-4EH	■ ■ -4 ■ U1 -Z	20
	12.3 ... 123	86	24.46	1.2	2KJ8101-2EG	■ ■ -4 ■ T1 -Z	17	2KJ8101-4EH	■ ■ -4 ■ T1 -Z	20
	14.4 ... 144	73	20.82	1.4	2KJ8101-2EG	■ ■ -4 ■ S1 -Z	17	2KJ8101-4EH	■ ■ -4 ■ S1 -Z	20
	15.9 ... 159	66	18.92	1.5	2KJ8101-2EG	■ ■ -4 ■ R1 -Z	17	2KJ8101-4EH	■ ■ -4 ■ R1 -Z	20
	18.2 ... 182	58	16.5	1.7	2KJ8101-2EG	■ ■ -4 ■ Q1 -Z	17	2KJ8101-4EH	■ ■ -4 ■ Q1 -Z	20
	20 ... 203	52	14.77	1.8	2KJ8101-2EG	■ ■ -4 ■ P1 -Z	17	2KJ8101-4EH	■ ■ -4 ■ P1 -Z	20
	23 ... 229	46	13.12	2	2KJ8101-2EG	■ ■ -4 ■ N1 -Z	17	2KJ8101-4EH	■ ■ -4 ■ N1 -Z	20
	25 ... 248	42	12.11	2.1	2KJ8101-2EG	■ ■ -4 ■ M1 -Z	17	2KJ8101-4EH	■ ■ -4 ■ M1 -Z	20
	29 ... 285	37	10.52	2.3	2KJ8101-2EG	■ ■ -4 ■ L1 -Z	17	2KJ8101-4EH	■ ■ -4 ■ L1 -Z	20
	33 ... 328	32	9.14	2.4	2KJ8101-2EG	■ ■ -4 ■ K1 -Z	17	2KJ8101-4EH	■ ■ -4 ■ K1 -Z	20
	36 ... 364	29	8.25	2.6	2KJ8101-2EG	■ ■ -4 ■ J1 -Z	17	2KJ8101-4EH	■ ■ -4 ■ J1 -Z	20
	39 ... 387	27	7.76	2.7	2KJ8101-2EG	■ ■ -4 ■ H1 -Z	17	2KJ8101-4EH	■ ■ -4 ■ H1 -Z	20
	44 ... 443	24	6.77	2.9	2KJ8101-2EG	■ ■ -4 ■ G1 -Z	17	2KJ8101-4EH	■ ■ -4 ■ G1 -Z	20
	48 ... 480	22	6.25	2.6	2KJ8101-2EG	■ ■ -4 ■ F1 -Z	17	2KJ8101-4EH	■ ■ -4 ■ F1 -Z	20
	55 ... 552	19	5.43	2.8	2KJ8101-2EG	■ ■ -4 ■ E1 -Z	17	2KJ8101-4EH	■ ■ -4 ■ E1 -Z	20
	64 ... 637	16	4.71	3	2KJ8101-2EG	■ ■ -4 ■ D1 -Z	17	2KJ8101-4EH	■ ■ -4 ■ D1 -Z	20
	70 ... 704	15	4.26	3.2	2KJ8101-2EG	■ ■ -4 ■ C1 -Z	17	2KJ8101-4EH	■ ■ -4 ■ C1 -Z	20
	75 ... 748	14	4.01	3.3	2KJ8101-2EG	■ ■ -4 ■ B1 -Z	17	2KJ8101-4EH	■ ■ -4 ■ B1 -Z	20
	86 ... 860	12	3.49	3.5	2KJ8101-2EG	■ ■ -4 ■ A1 -Z	17	2KJ8101-4EH	■ ■ -4 ■ A1 -Z	20
	E.69-LE80MB.									
	32 ... 323	33	9.3	3.7	2KJ8003-2EG	■ ■ -4 ■ S1 -Z	34	2KJ8003-4EH	■ ■ -4 ■ S1 -Z	37
	36 ... 355	30	8.45	3.5	2KJ8003-2EG	■ ■ -4 ■ R1 -Z	34	2KJ8003-4EH	■ ■ -4 ■ R1 -Z	37
	E.49-LE80MB.									
	31 ... 309	34	9.7	2.5	2KJ8002-2EG	■ ■ -4 ■ S1 -Z	27	2KJ8002-4EH	■ ■ -4 ■ S1 -Z	30
	34 ... 340	31	8.82	3.5	2KJ8002-2EG	■ ■ -4 ■ R1 -Z	27	2KJ8002-4EH	■ ■ -4 ■ R1 -Z	30
40 ... 400	26	7.5	4.1	2KJ8002-2EG	■ ■ -4 ■ Q1 -Z	27	2KJ8002-4EH	■ ■ -4 ■ Q1 -Z	30	
E.39-LE80MB.										
37 ... 366	29	8.2	1.2	2KJ8001-2EG	■ ■ -4 ■ R1 -Z	21	2KJ8001-4EH	■ ■ -4 ■ R1 -Z	24	
42 ... 417	25	7.2	1.6	2KJ8001-2EG	■ ■ -4 ■ Q1 -Z	21	2KJ8001-4EH	■ ■ -4 ■ Q1 -Z	24	
46 ... 458	23	6.55	1.7	2KJ8001-2EG	■ ■ -4 ■ P1 -Z	21	2KJ8001-4EH	■ ■ -4 ■ P1 -Z	24	
54 ... 536	20	5.6	2	2KJ8001-2EG	■ ■ -4 ■ N1 -Z	21	2KJ8001-4EH	■ ■ -4 ■ N1 -Z	24	
59 ... 589	18	5.09	2.2	2KJ8001-2EG	■ ■ -4 ■ M1 -Z	21	2KJ8001-4EH	■ ■ -4 ■ M1 -Z	24	
67 ... 667	16	4.5	3	2KJ8001-2EG	■ ■ -4 ■ L1 -Z	21	2KJ8001-4EH	■ ■ -4 ■ L1 -Z	24	
73 ... 733	14	4.09	3.4	2KJ8001-2EG	■ ■ -4 ■ K1 -Z	21	2KJ8001-4EH	■ ■ -4 ■ K1 -Z	24	
1.5	D.89-LE90S.									
	0.96 ... 9.6	1480	311.6	1.1	2KJ8208-2GB	■ ■ -4 ■ S1 -Z	73	2KJ8208-4GC	■ ■ -4 ■ S1 -Z	77
	1.1 ... 10.6	1350	283.28	1.2	2KJ8208-2GB	■ ■ -4 ■ R1 -Z	73	2KJ8208-4GC	■ ■ -4 ■ R1 -Z	77
	1.2 ... 11.8	1210	254.09	1.4	2KJ8208-2GB	■ ■ -4 ■ Q1 -Z	73	2KJ8208-4GC	■ ■ -4 ■ Q1 -Z	77
	1.3 ... 13.1	1090	228.45	1.5	2KJ8208-2GB	■ ■ -4 ■ P1 -Z	73	2KJ8208-4GC	■ ■ -4 ■ P1 -Z	77
	1.5 ... 14.5	985	206.62	1.7	2KJ8208-2GB	■ ■ -4 ■ N1 -Z	73	2KJ8208-4GC	■ ■ -4 ■ N1 -Z	77
1.6 ... 15.7	910	190.73	1.8	2KJ8208-2GB	■ ■ -4 ■ M1 -Z	73	2KJ8208-4GC	■ ■ -4 ■ M1 -Z	77	

Article No. supplements

Motor temperature sensor	without with Pt1000	0 1
Motor brake (brake voltage 180 V DC)	without with see page 5/2	0 1, 2 or 3
Converter fieldbus communication	see page 5/2	B, C, D, E, F or G
Special versions see Chapter 4 „Additional Order options“		...+...

Order code	Order code
0 1	0 1
0 1, 2 or 3	0 1, 2 or 3
B, C, D, E, F or G	B, C, D, E, F or G
...+...	...+...

Helical geared motors

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm										
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	Article No.	m
					(Article No. supplements see below)			(Article No. supplements see below)		
1.5	D.89-LE90S.									
	1.7 ... 17.2	830	174.71	2	2KJ8208-2GB	73	2KJ8208-4GC	77		
	2 ... 20	700	146.59	2.4	2KJ8208-2GB	73	2KJ8208-4GC	77		
	2.2 ... 22	655	137.97	2.6	2KJ8208-2GB	73	2KJ8208-4GC	77		
	2.4 ... 24	600	126.58	2.8	2KJ8208-2GB	73	2KJ8208-4GC	77		
	D.79-LE90S.									
	1.4 ... 14.5	985	207.1	0.85	2KJ8207-2GB	50	2KJ8207-4GC	54		
	1.6 ... 16.2	885	185.7	0.95	2KJ8207-2GB	50	2KJ8207-4GC	54		
	1.8 ... 17.9	795	167.39	1.1	2KJ8207-2GB	50	2KJ8207-4GC	54		
	1.9 ... 19.4	735	154.51	1.1	2KJ8207-2GB	50	2KJ8207-4GC	54		
	2.1 ... 21	670	141.04	1.2	2KJ8207-2GB	50	2KJ8207-4GC	54		
	2.6 ... 26	555	117.03	1.5	2KJ8207-2GB	50	2KJ8207-4GC	54		
	2.7 ... 27	525	110.14	1.6	2KJ8207-2GB	50	2KJ8207-4GC	54		
	2.9 ... 29	495	104.03	1.7	2KJ8207-2GB	50	2KJ8207-4GC	54		
	3.4 ... 34	420	88.52	2	2KJ8207-2GB	50	2KJ8207-4GC	54		
	4 ... 40	360	75.83	2.3	2KJ8207-2GB	50	2KJ8207-4GC	54		
	4.5 ... 45	315	66.67	2.6	2KJ8207-2GB	50	2KJ8207-4GC	54		
	Z.79-LE90S.									
	5.5 ... 55	260	54.47	3.2	2KJ8107-2GB	49	2KJ8107-4GC	53		
	D.69-LE90S.									
	2.1 ... 21	695	145.71	0.86	2KJ8206-2GB	38	2KJ8206-4GC	42		
	2.4 ... 24	605	127.63	0.98	2KJ8206-2GB	38	2KJ8206-4GC	42		
	2.5 ... 25	560	117.82	1.1	2KJ8206-2GB	38	2KJ8206-4GC	42		
	2.9 ... 29	495	104.31	1.2	2KJ8206-2GB	38	2KJ8206-4GC	42		
	3.5 ... 35	415	86.82	1.4	2KJ8206-2GB	38	2KJ8206-4GC	42		
	3.7 ... 37	390	81.71	1.5	2KJ8206-2GB	38	2KJ8206-4GC	42		
	4.1 ... 41	350	73.22	1.7	2KJ8206-2GB	38	2KJ8206-4GC	42		
	Z.69-LE90S.									
	4.9 ... 49	290	60.97	2.1	2KJ8106-2GB	38	2KJ8106-4GC	42		
	5.4 ... 54	265	55.43	2.3	2KJ8106-2GB	38	2KJ8106-4GC	42		
	6.4 ... 64	225	47.14	2.7	2KJ8106-2GB	38	2KJ8106-4GC	42		
	7 ... 70	205	42.86	2.9	2KJ8106-2GB	38	2KJ8106-4GC	42		
	7.8 ... 78	183	38.24	3.3	2KJ8106-2GB	38	2KJ8106-4GC	42		
	D.59-LE90S.									
	2.7 ... 27	525	110.12	0.86	2KJ8205-2GB	34	2KJ8205-4GC	38		
3.1 ... 31	465	97.5	0.97	2KJ8205-2GB	34	2KJ8205-4GC	38			
3.7 ... 37	385	81.15	1.2	2KJ8205-2GB	34	2KJ8205-4GC	38			
3.9 ... 39	365	76.38	1.2	2KJ8205-2GB	34	2KJ8205-4GC	38			
4.4 ... 44	325	68.43	1.4	2KJ8205-2GB	34	2KJ8205-4GC	38			
Z.59-LE90S.										
5.3 ... 53	270	56.99	1.7	2KJ8105-2GB	33	2KJ8105-4GC	37			
5.8 ... 58	245	51.81	1.8	2KJ8105-2GB	33	2KJ8105-4GC	37			
6.8 ... 68	210	44.06	2.1	2KJ8105-2GB	33	2KJ8105-4GC	37			
7.5 ... 75	191	40.06	2.4	2KJ8105-2GB	33	2KJ8105-4GC	37			
8.4 ... 84	171	35.74	2.6	2KJ8105-2GB	33	2KJ8105-4GC	37			
9.4 ... 94	153	32.05	2.9	2KJ8105-2GB	33	2KJ8105-4GC	37			
10.4 ... 104	138	28.89	3.3	2KJ8105-2GB	33	2KJ8105-4GC	37			
11.3 ... 113	127	26.66	3.5	2KJ8105-2GB	33	2KJ8105-4GC	37			
D.49-LE90S.										
4 ... 40	350	74.24	0.9	2KJ8204-2GB	31	2KJ8204-4GC	35			
4.3 ... 43	330	69.88	0.96	2KJ8204-2GB	31	2KJ8204-4GC	35			
4.8 ... 48	295	62.61	1.1	2KJ8204-2GB	31	2KJ8204-4GC	35			
Z.49-LE90S.										
5.8 ... 58	245	52.14	1.3	2KJ8104-2GB	31	2KJ8104-4GC	35			
6.3 ... 63	225	47.4	1.4	2KJ8104-2GB	31	2KJ8104-4GC	35			
7.4 ... 74	192	40.31	1.7	2KJ8104-2GB	31	2KJ8104-4GC	35			
8.2 ... 82	175	36.65	1.8	2KJ8104-2GB	31	2KJ8104-4GC	35			
9.2 ... 92	156	32.7	2	2KJ8104-2GB	31	2KJ8104-4GC	35			
10.2 ... 102	140	29.32	2.3	2KJ8104-2GB	31	2KJ8104-4GC	35			

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	
Motor brake (brake voltage 180 V DC)	without with see page 5/2	0 1, 2 or 3	
Converter fieldbus communication	see page 5/2	B, C, D, E, F or G	
Special versions	see Chapter 4 „Additional Order options“	...+...	

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B -	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
					Article No. (Article No. supplements see below)	m kg		Article No. (Article No. supplements see below)	m kg	
1.5										
Z.49-LE90S.										
11.4 ... 114		126	26.43	2.5	2KJ8104-2GB	■ ■ -4 ■ T1 -Z	31	2KJ8104-4GC	■ ■ -4 ■ T1 -Z	35
12.3 ... 123		116	24.39	2.7	2KJ8104-2GB	■ ■ -4 ■ S1 -Z	31	2KJ8104-4GC	■ ■ -4 ■ S1 -Z	35
13.5 ... 135		106	22.27	3	2KJ8104-2GB	■ ■ -4 ■ R1 -Z	31	2KJ8104-4GC	■ ■ -4 ■ R1 -Z	35
16.2 ... 162		88	18.48	3.6	2KJ8104-2GB	■ ■ -4 ■ Q1 -Z	31	2KJ8104-4GC	■ ■ -4 ■ Q1 -Z	35
Z.39-LE90S.										
6 ... 60		235	49.75	0.84	2KJ8103-2GB	■ ■ -4 ■ X1 -Z	22	2KJ8103-4GC	■ ■ -4 ■ X1 -Z	26
6.9 ... 69		205	43.68	0.96	2KJ8103-2GB	■ ■ -4 ■ W1 -Z	22	2KJ8103-4GC	■ ■ -4 ■ W1 -Z	26
7.6 ... 76		190	39.71	1.1	2KJ8103-2GB	■ ■ -4 ■ V1 -Z	22	2KJ8103-4GC	■ ■ -4 ■ V1 -Z	26
8.8 ... 88		162	33.97	1.2	2KJ8103-2GB	■ ■ -4 ■ U1 -Z	22	2KJ8103-4GC	■ ■ -4 ■ U1 -Z	26
9.7 ... 97		147	30.88	1.4	2KJ8103-2GB	■ ■ -4 ■ T1 -Z	22	2KJ8103-4GC	■ ■ -4 ■ T1 -Z	26
11 ... 110		130	27.3	1.5	2KJ8103-2GB	■ ■ -4 ■ S1 -Z	22	2KJ8103-4GC	■ ■ -4 ■ S1 -Z	26
12.1 ... 121		119	24.82	1.7	2KJ8103-2GB	■ ■ -4 ■ R1 -Z	22	2KJ8103-4GC	■ ■ -4 ■ R1 -Z	26
13.8 ... 138		104	21.74	1.9	2KJ8103-2GB	■ ■ -4 ■ Q1 -Z	22	2KJ8103-4GC	■ ■ -4 ■ Q1 -Z	26
14.9 ... 149		96	20.07	2.1	2KJ8103-2GB	■ ■ -4 ■ P1 -Z	22	2KJ8103-4GC	■ ■ -4 ■ P1 -Z	26
16.9 ... 169		85	17.77	2.4	2KJ8103-2GB	■ ■ -4 ■ N1 -Z	22	2KJ8103-4GC	■ ■ -4 ■ N1 -Z	26
20 ... 203		71	14.79	2.7	2KJ8103-2GB	■ ■ -4 ■ M1 -Z	22	2KJ8103-4GC	■ ■ -4 ■ M1 -Z	26
22 ... 216		66	13.92	2.8	2KJ8103-2GB	■ ■ -4 ■ L1 -Z	22	2KJ8103-4GC	■ ■ -4 ■ L1 -Z	26
24 ... 241		60	12.47	3	2KJ8103-2GB	■ ■ -4 ■ K1 -Z	22	2KJ8103-4GC	■ ■ -4 ■ K1 -Z	26
28 ... 282		51	10.62	3.3	2KJ8103-2GB	■ ■ -4 ■ J1 -Z	22	2KJ8103-4GC	■ ■ -4 ■ J1 -Z	26
33 ... 330		44	9.1	3.6	2KJ8103-2GB	■ ■ -4 ■ H1 -Z	22	2KJ8103-4GC	■ ■ -4 ■ H1 -Z	26
38 ... 383		37	7.84	4	2KJ8103-2GB	■ ■ -4 ■ G1 -Z	22	2KJ8103-4GC	■ ■ -4 ■ G1 -Z	26
Z.29-LE90S.										
8.2 ... 82		175	36.72	0.8	2KJ8102-2GB	■ ■ -4 ■ X1 -Z	21	2KJ8102-4GC	■ ■ -4 ■ X1 -Z	25
9.4 ... 94		152	31.86	0.92	2KJ8102-2GB	■ ■ -4 ■ W1 -Z	21	2KJ8102-4GC	■ ■ -4 ■ W1 -Z	25
10.4 ... 104		138	28.96	1	2KJ8102-2GB	■ ■ -4 ■ V1 -Z	21	2KJ8102-4GC	■ ■ -4 ■ V1 -Z	25
12.1 ... 121		119	24.84	1.2	2KJ8102-2GB	■ ■ -4 ■ U1 -Z	21	2KJ8102-4GC	■ ■ -4 ■ U1 -Z	25
13.3 ... 133		108	22.58	1.3	2KJ8102-2GB	■ ■ -4 ■ T1 -Z	21	2KJ8102-4GC	■ ■ -4 ■ T1 -Z	25
15.2 ... 152		94	19.8	1.5	2KJ8102-2GB	■ ■ -4 ■ S1 -Z	21	2KJ8102-4GC	■ ■ -4 ■ S1 -Z	25
17 ... 170		84	17.67	1.7	2KJ8102-2GB	■ ■ -4 ■ R1 -Z	21	2KJ8102-4GC	■ ■ -4 ■ R1 -Z	25
19 ... 190		75	15.75	1.9	2KJ8102-2GB	■ ■ -4 ■ Q1 -Z	21	2KJ8102-4GC	■ ■ -4 ■ Q1 -Z	25
21 ... 206		69	14.54	1.7	2KJ8102-2GB	■ ■ -4 ■ P1 -Z	21	2KJ8102-4GC	■ ■ -4 ■ P1 -Z	25
24 ... 236		61	12.73	2.3	2KJ8102-2GB	■ ■ -4 ■ N1 -Z	21	2KJ8102-4GC	■ ■ -4 ■ N1 -Z	25
27 ... 269		53	11.16	2.6	2KJ8102-2GB	■ ■ -4 ■ M1 -Z	21	2KJ8102-4GC	■ ■ -4 ■ M1 -Z	25
30 ... 296		48	10.12	2.9	2KJ8102-2GB	■ ■ -4 ■ L1 -Z	21	2KJ8102-4GC	■ ■ -4 ■ L1 -Z	25
31 ... 315		46	9.53	3.1	2KJ8102-2GB	■ ■ -4 ■ K1 -Z	21	2KJ8102-4GC	■ ■ -4 ■ K1 -Z	25
36 ... 357		40	8.4	3.4	2KJ8102-2GB	■ ■ -4 ■ J1 -Z	21	2KJ8102-4GC	■ ■ -4 ■ J1 -Z	25
41 ... 412		35	7.29	3.7	2KJ8102-2GB	■ ■ -4 ■ H1 -Z	21	2KJ8102-4GC	■ ■ -4 ■ H1 -Z	25
43 ... 434		33	6.92	2.3	2KJ8102-2GB	■ ■ -4 ■ G1 -Z	21	2KJ8102-4GC	■ ■ -4 ■ G1 -Z	25
50 ... 495		29	6.06	3.5	2KJ8102-2GB	■ ■ -4 ■ F1 -Z	21	2KJ8102-4GC	■ ■ -4 ■ F1 -Z	25
56 ... 565		25	5.31	3.6	2KJ8102-2GB	■ ■ -4 ■ E1 -Z	21	2KJ8102-4GC	■ ■ -4 ■ E1 -Z	25
62 ... 622		23	4.82	3.7	2KJ8102-2GB	■ ■ -4 ■ D1 -Z	21	2KJ8102-4GC	■ ■ -4 ■ D1 -Z	25
66 ... 661		22	4.54	3.9	2KJ8102-2GB	■ ■ -4 ■ C1 -Z	21	2KJ8102-4GC	■ ■ -4 ■ C1 -Z	25
75 ... 750		19	4	4	2KJ8102-2GB	■ ■ -4 ■ B1 -Z	21	2KJ8102-4GC	■ ■ -4 ■ B1 -Z	25
86 ... 865		17	3.47	4.2	2KJ8102-2GB	■ ■ -4 ■ A1 -Z	21	2KJ8102-4GC	■ ■ -4 ■ A1 -Z	25
E.69-LE90S.										
32 ... 323		44	9.3	2.7	2KJ8003-2GB	■ ■ -4 ■ S1 -Z	34	2KJ8003-4GC	■ ■ -4 ■ S1 -Z	38
36 ... 355		40	8.45	2.6	2KJ8003-2GB	■ ■ -4 ■ R1 -Z	34	2KJ8003-4GC	■ ■ -4 ■ R1 -Z	38
E.49-LE90S.										
31 ... 309		46	9.7	1.9	2KJ8002-2GB	■ ■ -4 ■ S1 -Z	27	2KJ8002-4GC	■ ■ -4 ■ S1 -Z	31
34 ... 340		42	8.82	2.6	2KJ8002-2GB	■ ■ -4 ■ R1 -Z	27	2KJ8002-4GC	■ ■ -4 ■ R1 -Z	31
40 ... 400		36	7.5	3	2KJ8002-2GB	■ ■ -4 ■ Q1 -Z	27	2KJ8002-4GC	■ ■ -4 ■ Q1 -Z	31
44 ... 440		33	6.82	3.2	2KJ8002-2GB	■ ■ -4 ■ P1 -Z	27	2KJ8002-4GC	■ ■ -4 ■ P1 -Z	31
49 ... 493		29	6.08	3.6	2KJ8002-2GB	■ ■ -4 ■ N1 -Z	27	2KJ8002-4GC	■ ■ -4 ■ N1 -Z	31
55 ... 550		26	5.45	4	2KJ8002-2GB	■ ■ -4 ■ M1 -Z	27	2KJ8002-4GC	■ ■ -4 ■ M1 -Z	31
61 ... 610		24	4.92	4.3	2KJ8002-2GB	■ ■ -4 ■ L1 -Z	27	2KJ8002-4GC	■ ■ -4 ■ L1 -Z	31
E.39-LE90S.										
37 ... 366		39	8.2	0.87	2KJ8001-2GB	■ ■ -4 ■ R1 -Z	23	2KJ8001-4GC	■ ■ -4 ■ R1 -Z	27
42 ... 417		34	7.2	1.2	2KJ8001-2GB	■ ■ -4 ■ Q1 -Z	23	2KJ8001-4GC	■ ■ -4 ■ Q1 -Z	27

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	
Motor brake (brake voltage 180 V DC)	without with see page 5/2	0 1, 2 or 3	
Converter fieldbus communication	see page 5/2	B, C, D, E, F or G	
Special versions see Chapter 4 „Additional Order options“		...+...	

Helical geared motors

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm											
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4			
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	Article No.	m	
					(Article No. supplements see below)			(Article No. supplements see below)			
1.5											
E.39-LE90S.											
46 ... 458	31	6.55	1.3	1.3	2KJ8001-2GB	23	2KJ8001-4GC	27			
54 ... 536	27	5.6	1.5	1.5	2KJ8001-2GB	23	2KJ8001-4GC	27			
59 ... 589	24	5.09	1.6	1.6	2KJ8001-2GB	23	2KJ8001-4GC	27			
67 ... 667	22	4.5	2.2	2.2	2KJ8001-2GB	23	2KJ8001-4GC	27			
73 ... 733	20	4.09	2.5	2.5	2KJ8001-2GB	23	2KJ8001-4GC	27			
84 ... 838	17	3.58	3.4	3.4	2KJ8001-2GB	23	2KJ8001-4GC	27			
91 ... 906	16	3.31	3.7	3.7	2KJ8001-2GB	23	2KJ8001-4GC	27			
2.2											
D.89-LE90L.											
1.1 ... 10.6	1980	283.28	0.85	0.85	2KJ8208-2GG	78	2KJ8208-4GH	81			
1.2 ... 11.8	1770	254.09	0.94	0.94	2KJ8208-2GG	78	2KJ8208-4GH	81			
1.3 ... 13.1	1600	228.45	1.1	1.1	2KJ8208-2GG	78	2KJ8208-4GH	81			
1.5 ... 14.5	1440	206.62	1.2	1.2	2KJ8208-2GG	78	2KJ8208-4GH	81			
1.6 ... 15.7	1330	190.73	1.3	1.3	2KJ8208-2GG	78	2KJ8208-4GH	81			
1.7 ... 17.2	1220	174.71	1.4	1.4	2KJ8208-2GG	78	2KJ8208-4GH	81			
2 ... 20	1020	146.59	1.6	1.6	2KJ8208-2GG	78	2KJ8208-4GH	81			
2.2 ... 22	965	137.97	1.7	1.7	2KJ8208-2GG	78	2KJ8208-4GH	81			
2.4 ... 24	885	126.58	1.9	1.9	2KJ8208-2GG	78	2KJ8208-4GH	81			
2.7 ... 27	770	110.57	2.2	2.2	2KJ8208-2GG	78	2KJ8208-4GH	81			
3 ... 30	690	98.99	2.4	2.4	2KJ8208-2GG	78	2KJ8208-4GH	81			
3.5 ... 35	605	86.56	2.8	2.8	2KJ8208-2GG	78	2KJ8208-4GH	81			
4 ... 40	520	74.3	3.2	3.2	2KJ8208-2GG	78	2KJ8208-4GH	81			
D.79-LE90L.											
2.1 ... 21	985	141.04	0.85	0.85	2KJ8207-2GG	55	2KJ8207-4GH	58			
2.6 ... 26	820	117.03	1	1	2KJ8207-2GG	55	2KJ8207-4GH	58			
2.7 ... 27	770	110.14	1.1	1.1	2KJ8207-2GG	55	2KJ8207-4GH	58			
2.9 ... 29	725	104.03	1.2	1.2	2KJ8207-2GG	55	2KJ8207-4GH	58			
3.4 ... 34	620	88.52	1.4	1.4	2KJ8207-2GG	55	2KJ8207-4GH	58			
4 ... 40	530	75.83	1.6	1.6	2KJ8207-2GG	55	2KJ8207-4GH	58			
4.5 ... 45	465	66.67	1.8	1.8	2KJ8207-2GG	55	2KJ8207-4GH	58			
Z.79-LE90L.											
5.5 ... 55	380	54.47	2.2	2.2	2KJ8107-2GG	54	2KJ8107-4GH	57			
6.1 ... 61	345	49.52	2.4	2.4	2KJ8107-2GG	54	2KJ8107-4GH	57			
6.8 ... 68	310	44.42	2.7	2.7	2KJ8107-2GG	54	2KJ8107-4GH	57			
7.5 ... 75	280	39.94	3	3	2KJ8107-2GG	54	2KJ8107-4GH	57			
8.3 ... 83	250	36.12	3.3	3.3	2KJ8107-2GG	54	2KJ8107-4GH	57			
D.69-LE90L.											
2.9 ... 29	730	104.31	0.82	0.82	2KJ8206-2GG	43	2KJ8206-4GH	46			
3.5 ... 35	605	86.82	0.99	0.99	2KJ8206-2GG	43	2KJ8206-4GH	46			
3.7 ... 37	570	81.71	1	1	2KJ8206-2GG	43	2KJ8206-4GH	46			
4.1 ... 41	510	73.22	1.2	1.2	2KJ8206-2GG	43	2KJ8206-4GH	46			
Z.69-LE90L.											
4.9 ... 49	425	60.97	1.4	1.4	2KJ8106-2GG	43	2KJ8106-4GH	46			
5.4 ... 54	385	55.43	1.5	1.5	2KJ8106-2GG	43	2KJ8106-4GH	46			
6.4 ... 64	330	47.14	1.8	1.8	2KJ8106-2GG	43	2KJ8106-4GH	46			
7 ... 70	300	42.86	2	2	2KJ8106-2GG	43	2KJ8106-4GH	46			
7.8 ... 78	265	38.24	2.2	2.2	2KJ8106-2GG	43	2KJ8106-4GH	46			
8.7 ... 87	240	34.29	2.5	2.5	2KJ8106-2GG	43	2KJ8106-4GH	46			
9.7 ... 97	215	30.9	2.8	2.8	2KJ8106-2GG	43	2KJ8106-4GH	46			
10.5 ... 105	200	28.53	3	3	2KJ8106-2GG	43	2KJ8106-4GH	46			
11.5 ... 115	182	26.04	3.3	3.3	2KJ8106-2GG	43	2KJ8106-4GH	46			
D.59-LE90L.											
3.9 ... 39	535	76.38	0.84	0.84	2KJ8205-2GG	39	2KJ8205-4GH	42			
4.4 ... 44	475	68.43	0.94	0.94	2KJ8205-2GG	39	2KJ8205-4GH	42			
Z.59-LE90L.											
5.3 ... 53	395	56.99	1.1	1.1	2KJ8105-2GG	38	2KJ8105-4GH	41			
5.8 ... 58	360	51.81	1.2	1.2	2KJ8105-2GG	38	2KJ8105-4GH	41			
6.8 ... 68	305	44.06	1.5	1.5	2KJ8105-2GG	38	2KJ8105-4GH	41			
7.5 ... 75	280	40.06	1.6	1.6	2KJ8105-2GG	38	2KJ8105-4GH	41			
Article No. supplements											
Motor temperature sensor	without	with Pt1000	0	1	Order code			0	1	Order code	
Motor brake (brake voltage 180 V DC)	without	with see page 5/2	1, 2 or 3	0	Order code			1, 2 or 3	0	Order code	
Converter fieldbus communication	see page 5/2				Order code			B, C, D, E, F or G			
Special versions	see Chapter 4 „Additional Order options“				Order code			...+...			

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B -	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4		
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg	
2.2									
Z.59-LE90L.									
8.4 ... 84	250	35.74	1.8	2KJ8105-2GG	■ ■ -4 ■ U1 -Z	38	2KJ8105-4GH	■ ■ -4 ■ U1 -Z	41
9.4 ... 94	220	32.05	2	2KJ8105-2GG	■ ■ -4 ■ T1 -Z	38	2KJ8105-4GH	■ ■ -4 ■ T1 -Z	41
10.4 ... 104	200	28.89	2.2	2KJ8105-2GG	■ ■ -4 ■ S1 -Z	38	2KJ8105-4GH	■ ■ -4 ■ S1 -Z	41
11.3 ... 113	187	26.66	2.4	2KJ8105-2GG	■ ■ -4 ■ R1 -Z	38	2KJ8105-4GH	■ ■ -4 ■ R1 -Z	41
12.3 ... 123	170	24.34	2.6	2KJ8105-2GG	■ ■ -4 ■ Q1 -Z	38	2KJ8105-4GH	■ ■ -4 ■ Q1 -Z	41
14.9 ... 149	141	20.2	3.2	2KJ8105-2GG	■ ■ -4 ■ P1 -Z	38	2KJ8105-4GH	■ ■ -4 ■ P1 -Z	41
15.8 ... 158	133	19.01	3.4	2KJ8105-2GG	■ ■ -4 ■ N1 -Z	38	2KJ8105-4GH	■ ■ -4 ■ N1 -Z	41
16.7 ... 167	126	17.95	3.6	2KJ8105-2GG	■ ■ -4 ■ M1 -Z	38	2KJ8105-4GH	■ ■ -4 ■ M1 -Z	41
Z.49-LE90L.									
5.8 ... 58	365	52.14	0.88	2KJ8104-2GG	■ ■ -4 ■ B2 -Z	36	2KJ8104-4GH	■ ■ -4 ■ B2 -Z	39
6.3 ... 63	330	47.4	0.96	2KJ8104-2GG	■ ■ -4 ■ A2 -Z	36	2KJ8104-4GH	■ ■ -4 ■ A2 -Z	39
7.4 ... 74	280	40.31	1.1	2KJ8104-2GG	■ ■ -4 ■ X1 -Z	36	2KJ8104-4GH	■ ■ -4 ■ X1 -Z	39
8.2 ... 82	255	36.65	1.2	2KJ8104-2GG	■ ■ -4 ■ W1 -Z	36	2KJ8104-4GH	■ ■ -4 ■ W1 -Z	39
9.2 ... 92	225	32.7	1.4	2KJ8104-2GG	■ ■ -4 ■ V1 -Z	36	2KJ8104-4GH	■ ■ -4 ■ V1 -Z	39
10.2 ... 102	205	29.32	1.6	2KJ8104-2GG	■ ■ -4 ■ U1 -Z	36	2KJ8104-4GH	■ ■ -4 ■ U1 -Z	39
11.4 ... 114	185	26.43	1.7	2KJ8104-2GG	■ ■ -4 ■ T1 -Z	36	2KJ8104-4GH	■ ■ -4 ■ T1 -Z	39
12.3 ... 123	171	24.39	1.9	2KJ8104-2GG	■ ■ -4 ■ S1 -Z	36	2KJ8104-4GH	■ ■ -4 ■ S1 -Z	39
13.5 ... 135	156	22.27	2.1	2KJ8104-2GG	■ ■ -4 ■ R1 -Z	36	2KJ8104-4GH	■ ■ -4 ■ R1 -Z	39
16.2 ... 162	129	18.48	2.5	2KJ8104-2GG	■ ■ -4 ■ Q1 -Z	36	2KJ8104-4GH	■ ■ -4 ■ Q1 -Z	39
17.3 ... 173	122	17.39	2.6	2KJ8104-2GG	■ ■ -4 ■ P1 -Z	36	2KJ8104-4GH	■ ■ -4 ■ P1 -Z	39
18.3 ... 183	115	16.42	2.8	2KJ8104-2GG	■ ■ -4 ■ N1 -Z	36	2KJ8104-4GH	■ ■ -4 ■ N1 -Z	39
21 ... 215	98	13.98	3.3	2KJ8104-2GG	■ ■ -4 ■ M1 -Z	36	2KJ8104-4GH	■ ■ -4 ■ M1 -Z	39
25 ... 251	84	11.97	3.8	2KJ8104-2GG	■ ■ -4 ■ L1 -Z	36	2KJ8104-4GH	■ ■ -4 ■ L1 -Z	39
Z.39-LE90L.									
8.8 ... 88	235	33.97	0.84	2KJ8103-2GG	■ ■ -4 ■ U1 -Z	27	2KJ8103-4GH	■ ■ -4 ■ U1 -Z	30
9.7 ... 97	215	30.88	0.92	2KJ8103-2GG	■ ■ -4 ■ T1 -Z	27	2KJ8103-4GH	■ ■ -4 ■ T1 -Z	30
11 ... 110	191	27.3	1	2KJ8103-2GG	■ ■ -4 ■ S1 -Z	27	2KJ8103-4GH	■ ■ -4 ■ S1 -Z	30
12.1 ... 121	174	24.82	1.2	2KJ8103-2GG	■ ■ -4 ■ R1 -Z	27	2KJ8103-4GH	■ ■ -4 ■ R1 -Z	30
13.8 ... 138	152	21.74	1.3	2KJ8103-2GG	■ ■ -4 ■ Q1 -Z	27	2KJ8103-4GH	■ ■ -4 ■ Q1 -Z	30
14.9 ... 149	141	20.07	1.4	2KJ8103-2GG	■ ■ -4 ■ P1 -Z	27	2KJ8103-4GH	■ ■ -4 ■ P1 -Z	30
16.9 ... 169	124	17.77	1.6	2KJ8103-2GG	■ ■ -4 ■ N1 -Z	27	2KJ8103-4GH	■ ■ -4 ■ N1 -Z	30
20 ... 203	104	14.79	1.9	2KJ8103-2GG	■ ■ -4 ■ M1 -Z	27	2KJ8103-4GH	■ ■ -4 ■ M1 -Z	30
22 ... 216	98	13.92	1.9	2KJ8103-2GG	■ ■ -4 ■ L1 -Z	27	2KJ8103-4GH	■ ■ -4 ■ L1 -Z	30
24 ... 241	87	12.47	2.1	2KJ8103-2GG	■ ■ -4 ■ K1 -Z	27	2KJ8103-4GH	■ ■ -4 ■ K1 -Z	30
28 ... 282	74	10.62	2.3	2KJ8103-2GG	■ ■ -4 ■ J1 -Z	27	2KJ8103-4GH	■ ■ -4 ■ J1 -Z	30
33 ... 330	64	9.1	2.5	2KJ8103-2GG	■ ■ -4 ■ H1 -Z	27	2KJ8103-4GH	■ ■ -4 ■ H1 -Z	30
38 ... 383	55	7.84	2.7	2KJ8103-2GG	■ ■ -4 ■ G1 -Z	27	2KJ8103-4GH	■ ■ -4 ■ G1 -Z	30
46 ... 464	45	6.46	3.2	2KJ8103-2GG	■ ■ -4 ■ F1 -Z	27	2KJ8103-4GH	■ ■ -4 ■ F1 -Z	30
49 ... 493	43	6.08	3.5	2KJ8103-2GG	■ ■ -4 ■ E1 -Z	27	2KJ8103-4GH	■ ■ -4 ■ E1 -Z	30
55 ... 550	38	5.45	3.7	2KJ8103-2GG	■ ■ -4 ■ D1 -Z	27	2KJ8103-4GH	■ ■ -4 ■ D1 -Z	30
65 ... 647	32	4.64	4	2KJ8103-2GG	■ ■ -4 ■ C1 -Z	27	2KJ8103-4GH	■ ■ -4 ■ C1 -Z	30
75 ... 754	28	3.98	4.3	2KJ8103-2GG	■ ■ -4 ■ B1 -Z	27	2KJ8103-4GH	■ ■ -4 ■ B1 -Z	30
Z.29-LE90L.									
12.1 ... 121	174	24.84	0.8	2KJ8102-2GG	■ ■ -4 ■ U1 -Z	26	2KJ8102-4GH	■ ■ -4 ■ U1 -Z	29
13.3 ... 133	158	22.58	0.89	2KJ8102-2GG	■ ■ -4 ■ T1 -Z	26	2KJ8102-4GH	■ ■ -4 ■ T1 -Z	29
15.2 ... 152	139	19.8	1	2KJ8102-2GG	■ ■ -4 ■ S1 -Z	26	2KJ8102-4GH	■ ■ -4 ■ S1 -Z	29
17 ... 170	124	17.67	1.1	2KJ8102-2GG	■ ■ -4 ■ R1 -Z	26	2KJ8102-4GH	■ ■ -4 ■ R1 -Z	29
19 ... 190	110	15.75	1.3	2KJ8102-2GG	■ ■ -4 ■ Q1 -Z	26	2KJ8102-4GH	■ ■ -4 ■ Q1 -Z	29
21 ... 206	102	14.54	1.2	2KJ8102-2GG	■ ■ -4 ■ P1 -Z	26	2KJ8102-4GH	■ ■ -4 ■ P1 -Z	29
24 ... 236	89	12.73	1.6	2KJ8102-2GG	■ ■ -4 ■ N1 -Z	26	2KJ8102-4GH	■ ■ -4 ■ N1 -Z	29
27 ... 269	78	11.16	1.8	2KJ8102-2GG	■ ■ -4 ■ M1 -Z	26	2KJ8102-4GH	■ ■ -4 ■ M1 -Z	29
30 ... 296	71	10.12	2	2KJ8102-2GG	■ ■ -4 ■ L1 -Z	26	2KJ8102-4GH	■ ■ -4 ■ L1 -Z	29
31 ... 315	67	9.53	2.1	2KJ8102-2GG	■ ■ -4 ■ K1 -Z	26	2KJ8102-4GH	■ ■ -4 ■ K1 -Z	29
36 ... 357	59	8.4	2.3	2KJ8102-2GG	■ ■ -4 ■ J1 -Z	26	2KJ8102-4GH	■ ■ -4 ■ J1 -Z	29
41 ... 412	51	7.29	2.5	2KJ8102-2GG	■ ■ -4 ■ H1 -Z	26	2KJ8102-4GH	■ ■ -4 ■ H1 -Z	29
43 ... 434	48	6.92	1.5	2KJ8102-2GG	■ ■ -4 ■ G1 -Z	26	2KJ8102-4GH	■ ■ -4 ■ G1 -Z	29
50 ... 495	42	6.06	2.4	2KJ8102-2GG	■ ■ -4 ■ F1 -Z	26	2KJ8102-4GH	■ ■ -4 ■ F1 -Z	29
56 ... 565	37	5.31	2.4	2KJ8102-2GG	■ ■ -4 ■ E1 -Z	26	2KJ8102-4GH	■ ■ -4 ■ E1 -Z	29

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see page 5/2	1, 2 or 3	1, 2 or 3
Converter fieldbus communication	see page 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...	...+...

Helical geared motors

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm										
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	Article No.	m
					(Article No. supplements see below)			(Article No. supplements see below)		
2.2										
Z.29-LE90L.										
62 ... 622	34	4.82	2.5	2.5	2KJ8102-2GG	26	2KJ8102-4GH	29		
66 ... 661	32	4.54	2.6	2.6	2KJ8102-2GG	26	2KJ8102-4GH	29		
75 ... 750	28	4	2.7	2.7	2KJ8102-2GG	26	2KJ8102-4GH	29		
86 ... 865	24	3.47	2.9	2.9	2KJ8102-2GG	26	2KJ8102-4GH	29		
E.69-LE90L.										
32 ... 323	65	9.3	1.8	1.8	2KJ8003-2GG	39	2KJ8003-4GH	42		
36 ... 355	59	8.45	1.8	1.8	2KJ8003-2GG	39	2KJ8003-4GH	42		
40 ... 396	53	7.58	3.9	3.9	2KJ8003-2GG	39	2KJ8003-4GH	42		
44 ... 440	48	6.82	3.6	3.6	2KJ8003-2GG	39	2KJ8003-4GH	42		
53 ... 527	40	5.69	4.1	4.1	2KJ8003-2GG	39	2KJ8003-4GH	42		
E.49-LE90L.										
31 ... 309	68	9.7	1.3	1.3	2KJ8002-2GG	32	2KJ8002-4GH	35		
34 ... 340	62	8.82	1.7	1.7	2KJ8002-2GG	32	2KJ8002-4GH	35		
40 ... 400	52	7.5	2	2	2KJ8002-2GG	32	2KJ8002-4GH	35		
44 ... 440	48	6.82	2.2	2.2	2KJ8002-2GG	32	2KJ8002-4GH	35		
49 ... 493	43	6.08	2.4	2.4	2KJ8002-2GG	32	2KJ8002-4GH	35		
55 ... 550	38	5.45	2.7	2.7	2KJ8002-2GG	32	2KJ8002-4GH	35		
61 ... 610	34	4.92	3	3	2KJ8002-2GG	32	2KJ8002-4GH	35		
66 ... 661	32	4.54	3.2	3.2	2KJ8002-2GG	32	2KJ8002-4GH	35		
72 ... 725	29	4.14	3.5	3.5	2KJ8002-2GG	32	2KJ8002-4GH	35		
87 ... 872	24	3.44	4.2	4.2	2KJ8002-2GG	32	2KJ8002-4GH	35		
93 ... 926	23	3.24	4.5	4.5	2KJ8002-2GG	32	2KJ8002-4GH	35		
E.39-LE90L.										
46 ... 458	46	6.55	0.87	0.87	2KJ8001-2GG	28	2KJ8001-4GH	31		
54 ... 536	39	5.6	1	1	2KJ8001-2GG	28	2KJ8001-4GH	31		
59 ... 589	36	5.09	1.1	1.1	2KJ8001-2GG	28	2KJ8001-4GH	31		
67 ... 667	32	4.5	1.5	1.5	2KJ8001-2GG	28	2KJ8001-4GH	31		
73 ... 733	29	4.09	1.7	1.7	2KJ8001-2GG	28	2KJ8001-4GH	31		
84 ... 838	25	3.58	2.3	2.3	2KJ8001-2GG	28	2KJ8001-4GH	31		
91 ... 906	23	3.31	2.5	2.5	2KJ8001-2GG	28	2KJ8001-4GH	31		
102 ... 1024	20	2.93	3.2	3.2	2KJ8001-2GG	28	2KJ8001-4GH	31		
3										
D.89-LE112MA.										
1.5 ... 14.5	1970	206.62	0.85	0.85	-	-	2KJ8208-4LC	97		
1.6 ... 15.7	1820	190.73	0.92	0.92	-	-	2KJ8208-4LC	97		
1.7 ... 17.2	1660	174.71	1	1	-	-	2KJ8208-4LC	97		
2 ... 20	1400	146.59	1.2	1.2	-	-	2KJ8208-4LC	97		
2.2 ... 22	1310	137.97	1.3	1.3	-	-	2KJ8208-4LC	97		
2.4 ... 24	1200	126.58	1.4	1.4	-	-	2KJ8208-4LC	97		
2.7 ... 27	1050	110.57	1.6	1.6	-	-	2KJ8208-4LC	97		
3 ... 30	945	98.99	1.8	1.8	-	-	2KJ8208-4LC	97		
3.5 ... 35	825	86.56	2	2	-	-	2KJ8208-4LC	97		
4 ... 40	710	74.3	2.4	2.4	-	-	2KJ8208-4LC	97		
4.6 ... 46	625	65.67	2.7	2.7	-	-	2KJ8208-4LC	97		
D.89-LE100LA.										
1.5 ... 14.5	1970	206.62	0.85	0.85	2KJ8208-2JB	94	-	-		
1.6 ... 15.7	1820	190.73	0.92	0.92	2KJ8208-2JB	94	-	-		
1.7 ... 17.2	1660	174.71	1	1	2KJ8208-2JB	94	-	-		
2 ... 20	1400	146.59	1.2	1.2	2KJ8208-2JB	94	-	-		
2.2 ... 22	1310	137.97	1.3	1.3	2KJ8208-2JB	94	-	-		
2.4 ... 24	1200	126.58	1.4	1.4	2KJ8208-2JB	94	-	-		
2.7 ... 27	1050	110.57	1.6	1.6	2KJ8208-2JB	94	-	-		
3 ... 30	945	98.99	1.8	1.8	2KJ8208-2JB	94	-	-		
3.5 ... 35	825	86.56	2	2	2KJ8208-2JB	94	-	-		
4 ... 40	710	74.3	2.4	2.4	2KJ8208-2JB	94	-	-		
4.6 ... 46	625	65.67	2.7	2.7	2KJ8208-2JB	94	-	-		
Z.89-LE112MA.										
5.2 ... 52	545	57.36	3.1	3.1	-	-	2KJ8108-4LC	96		
Article No. supplements										
Motor temperature sensor		without	0			Order code				
		with Pt1000	1							
Motor brake		without	0							
(brake voltage 180 V DC)		with see page 5/2	1, 2 or 3							
Converter fieldbus communication		see page 5/2	B, C, D, E, F or G							
Special versions		see Chapter 4 „Additional Order options“	...							

5

Selection and ordering data

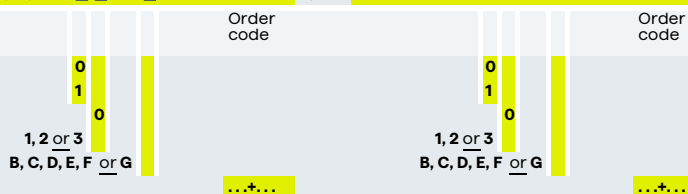
Control range 1:10

Innometrics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4						
					Article No. (Article No. supplements see below)	m kg		Article No. (Article No. supplements see below)	m kg					
3	Z.89-LE100LA.													
	5.2 ... 52	545	57.36	3.1	2KJ8108-2JB	■ ■ -4	■ A2	-Z	93	-	-			
	D.79-LE100LA.													
	2.7 ... 27	1050	110.14	0.8	2KJ8207-2JB	■ ■ -4	■ G1	-Z	71	-	-			
	2.9 ... 29	990	104.03	0.85	2KJ8207-2JB	■ ■ -4	■ F1	-Z	71	-	-			
	3.4 ... 34	845	88.52	0.99	2KJ8207-2JB	■ ■ -4	■ E1	-Z	71	-	-			
	4 ... 40	720	75.83	1.2	2KJ8207-2JB	■ ■ -4	■ D1	-Z	71	-	-			
	4.5 ... 45	635	66.67	1.3	2KJ8207-2JB	■ ■ -4	■ C1	-Z	71	-	-			
	5.3 ... 53	535	56.25	1.6	2KJ8207-2JB	■ ■ -4	■ B1	-Z	71	-	-			
	6.1 ... 61	465	49.02	1.8	2KJ8207-2JB	■ ■ -4	■ A1	-Z	71	-	-			
	D.79-LE112MA.													
	2.7 ... 27	1050	110.14	0.8	-	-	-	-	-	2KJ8207-4LC	■ ■ -4	■ G1	-Z	75
	2.9 ... 29	990	104.03	0.85	-	-	-	-	-	2KJ8207-4LC	■ ■ -4	■ F1	-Z	75
	3.4 ... 34	845	88.52	0.99	-	-	-	-	-	2KJ8207-4LC	■ ■ -4	■ E1	-Z	75
	4 ... 40	720	75.83	1.2	-	-	-	-	-	2KJ8207-4LC	■ ■ -4	■ D1	-Z	75
	4.5 ... 45	635	66.67	1.3	-	-	-	-	-	2KJ8207-4LC	■ ■ -4	■ C1	-Z	75
	5.3 ... 53	535	56.25	1.6	-	-	-	-	-	2KJ8207-4LC	■ ■ -4	■ B1	-Z	75
	6.1 ... 61	465	49.02	1.8	-	-	-	-	-	2KJ8207-4LC	■ ■ -4	■ A1	-Z	75
	Z.79-LE112MA.													
	6.8 ... 68	420	44.42	2	-	-	-	-	-	2KJ8107-4LC	■ ■ -4	■ W1	-Z	74
	7.5 ... 75	380	39.94	2.2	-	-	-	-	-	2KJ8107-4LC	■ ■ -4	■ V1	-Z	74
	8.3 ... 83	345	36.12	2.4	-	-	-	-	-	2KJ8107-4LC	■ ■ -4	■ U1	-Z	74
	9 ... 90	315	33.34	2.6	-	-	-	-	-	2KJ8107-4LC	■ ■ -4	■ T1	-Z	74
	9.8 ... 98	290	30.54	2.9	-	-	-	-	-	2KJ8107-4LC	■ ■ -4	■ S1	-Z	74
	11.7 ... 117	245	25.62	3.4	-	-	-	-	-	2KJ8107-4LC	■ ■ -4	■ R1	-Z	74
	Z.79-LE100LA.													
	6.8 ... 68	420	44.42	2	2KJ8107-2JB	■ ■ -4	■ W1	-Z	70	-	-			
	7.5 ... 75	380	39.94	2.2	2KJ8107-2JB	■ ■ -4	■ V1	-Z	70	-	-			
	8.3 ... 83	345	36.12	2.4	2KJ8107-2JB	■ ■ -4	■ U1	-Z	70	-	-			
	9 ... 90	315	33.34	2.6	2KJ8107-2JB	■ ■ -4	■ T1	-Z	70	-	-			
	9.8 ... 98	290	30.54	2.9	2KJ8107-2JB	■ ■ -4	■ S1	-Z	70	-	-			
	11.7 ... 117	245	25.62	3.4	2KJ8107-2JB	■ ■ -4	■ R1	-Z	70	-	-			
	D.69-LE100LA.													
	4.1 ... 41	695	73.22	0.86	2KJ8206-2JB	■ ■ -4	■ D1	-Z	61	-	-			
	4.8 ... 48	595	62.33	1	2KJ8206-2JB	■ ■ -4	■ C1	-Z	61	-	-			
	5.6 ... 56	510	53.43	1.2	2KJ8206-2JB	■ ■ -4	■ B1	-Z	61	-	-			
	6.5 ... 65	435	46.01	1.4	2KJ8206-2JB	■ ■ -4	■ A1	-Z	61	-	-			
	D.69-LE112MA.													
	4.1 ... 41	695	73.22	0.86	-	-	-	-	-	2KJ8206-4LC	■ ■ -4	■ D1	-Z	65
	4.8 ... 48	595	62.33	1	-	-	-	-	-	2KJ8206-4LC	■ ■ -4	■ C1	-Z	65
	5.6 ... 56	510	53.43	1.2	-	-	-	-	-	2KJ8206-4LC	■ ■ -4	■ B1	-Z	65
	6.5 ... 65	435	46.01	1.4	-	-	-	-	-	2KJ8206-4LC	■ ■ -4	■ A1	-Z	65
	Z.69-LE112MA.													
	7.8 ... 78	365	38.24	1.6	-	-	-	-	-	2KJ8106-4LC	■ ■ -4	■ U1	-Z	65
	8.7 ... 87	325	34.29	1.8	-	-	-	-	-	2KJ8106-4LC	■ ■ -4	■ T1	-Z	65
	9.7 ... 97	295	30.9	2	-	-	-	-	-	2KJ8106-4LC	■ ■ -4	■ S1	-Z	65
	10.5 ... 105	270	28.53	2.2	-	-	-	-	-	2KJ8106-4LC	■ ■ -4	■ R1	-Z	65
	11.5 ... 115	245	26.04	2.4	-	-	-	-	-	2KJ8106-4LC	■ ■ -4	■ Q1	-Z	65
	13.9 ... 139	205	21.61	2.9	-	-	-	-	-	2KJ8106-4LC	■ ■ -4	■ P1	-Z	65
	14.7 ... 147	194	20.34	3.1	-	-	-	-	-	2KJ8106-4LC	■ ■ -4	■ N1	-Z	65
	15.6 ... 156	183	19.21	3.3	-	-	-	-	-	2KJ8106-4LC	■ ■ -4	■ M1	-Z	65
	Z.69-LE100LA.													
	7.8 ... 78	365	38.24	1.6	2KJ8106-2JB	■ ■ -4	■ U1	-Z	61	-	-			
	8.7 ... 87	325	34.29	1.8	2KJ8106-2JB	■ ■ -4	■ T1	-Z	61	-	-			
	9.7 ... 97	295	30.9	2	2KJ8106-2JB	■ ■ -4	■ S1	-Z	61	-	-			
	10.5 ... 105	270	28.53	2.2	2KJ8106-2JB	■ ■ -4	■ R1	-Z	61	-	-			
	11.5 ... 115	245	26.04	2.4	2KJ8106-2JB	■ ■ -4	■ Q1	-Z	61	-	-			
	13.9 ... 139	205	21.61	2.9	2KJ8106-2JB	■ ■ -4	■ P1	-Z	61	-	-			
	14.7 ... 147	194	20.34	3.1	2KJ8106-2JB	■ ■ -4	■ N1	-Z	61	-	-			

Article No. supplements

- Motor temperature sensor without / with Pt1000
- Motor brake without / with see page 5/2 (brake voltage 180 V DC)
- Converter fieldbus communication see page 5/2
- Special versions see Chapter 4 „Additional Order options“



Helical geared motors

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm										
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	Article No.	m
					(Article No. supplements see below)			(Article No. supplements see below)		
3	Z.69-LE100LA.									
	15.6 ... 156	183	19.21	3.3	2KJ8106-2JB	61	-	-	-	-
	D.59-LE112MA.									
	5.1 ... 51	555	58.26	0.81	-	-	2KJ8205-4LC	60	-	-
	6 ... 60	475	49.94	0.94	-	-	2KJ8205-4LC	60	-	-
	7 ... 70	410	43	1.1	-	-	2KJ8205-4LC	60	-	-
	D.59-LE100LA.									
	5.1 ... 51	555	58.26	0.81	2KJ8205-2JB	56	-	-	-	-
	6 ... 60	475	49.94	0.94	2KJ8205-2JB	56	-	-	-	-
	7 ... 70	410	43	1.1	2KJ8205-2JB	56	-	-	-	-
	Z.59-LE100LA.									
	8.4 ... 84	340	35.74	1.3	2KJ8105-2JB	56	-	-	-	-
	9.4 ... 94	305	32.05	1.5	2KJ8105-2JB	56	-	-	-	-
	10.4 ... 104	275	28.89	1.6	2KJ8105-2JB	56	-	-	-	-
	11.3 ... 113	255	26.66	1.8	2KJ8105-2JB	56	-	-	-	-
	12.3 ... 123	230	24.34	1.9	2KJ8105-2JB	56	-	-	-	-
	14.9 ... 149	193	20.2	2.3	2KJ8105-2JB	56	-	-	-	-
	15.8 ... 158	182	19.01	2.5	2KJ8105-2JB	56	-	-	-	-
	16.7 ... 167	171	17.95	2.6	2KJ8105-2JB	56	-	-	-	-
	19.6 ... 196	146	15.27	3.1	2KJ8105-2JB	56	-	-	-	-
	23 ... 229	125	13.09	3.6	2KJ8105-2JB	56	-	-	-	-
	Z.59-LE112MA.									
	8.4 ... 84	340	35.74	1.3	-	-	2KJ8105-4LC	60	-	-
	9.4 ... 94	305	32.05	1.5	-	-	2KJ8105-4LC	60	-	-
	10.4 ... 104	275	28.89	1.6	-	-	2KJ8105-4LC	60	-	-
	11.3 ... 113	255	26.66	1.8	-	-	2KJ8105-4LC	60	-	-
	12.3 ... 123	230	24.34	1.9	-	-	2KJ8105-4LC	60	-	-
	14.9 ... 149	193	20.2	2.3	-	-	2KJ8105-4LC	60	-	-
	15.8 ... 158	182	19.01	2.5	-	-	2KJ8105-4LC	60	-	-
	16.7 ... 167	171	17.95	2.6	-	-	2KJ8105-4LC	60	-	-
	19.6 ... 196	146	15.27	3.1	-	-	2KJ8105-4LC	60	-	-
	23 ... 229	125	13.09	3.6	-	-	2KJ8105-4LC	60	-	-
	D.49-LE112MA.									
	7.6 ... 76	375	39.34	0.85	-	-	2KJ8204-4LC	58	-	-
	D.49-LE100LA.									
	7.6 ... 76	375	39.34	0.85	2KJ8204-2JB	54	-	-	-	-
	Z.49-LE100LA.									
	9.2 ... 92	310	32.7	1	2KJ8104-2JB	54	-	-	-	-
	10.2 ... 102	280	29.32	1.1	2KJ8104-2JB	54	-	-	-	-
	11.4 ... 114	250	26.43	1.3	2KJ8104-2JB	54	-	-	-	-
	12.3 ... 123	230	24.39	1.4	2KJ8104-2JB	54	-	-	-	-
	13.5 ... 135	210	22.27	1.5	2KJ8104-2JB	54	-	-	-	-
	16.2 ... 162	176	18.48	1.8	2KJ8104-2JB	54	-	-	-	-
	17.3 ... 173	166	17.39	1.9	2KJ8104-2JB	54	-	-	-	-
	18.3 ... 183	157	16.42	2	2KJ8104-2JB	54	-	-	-	-
21 ... 215	134	13.98	2.4	2KJ8104-2JB	54	-	-	-	-	
25 ... 251	114	11.97	2.8	2KJ8104-2JB	54	-	-	-	-	
28 ... 285	101	10.53	3.2	2KJ8104-2JB	54	-	-	-	-	
34 ... 338	85	8.88	3.8	2KJ8104-2JB	54	-	-	-	-	
39 ... 393	73	7.64	4	2KJ8104-2JB	54	-	-	-	-	
Z.49-LE112MA.										
9.2 ... 92	310	32.7	1	-	-	2KJ8104-4LC	58	-	-	
10.2 ... 102	280	29.32	1.1	-	-	2KJ8104-4LC	58	-	-	
11.4 ... 114	250	26.43	1.3	-	-	2KJ8104-4LC	58	-	-	
12.3 ... 123	230	24.39	1.4	-	-	2KJ8104-4LC	58	-	-	
13.5 ... 135	210	22.27	1.5	-	-	2KJ8104-4LC	58	-	-	
16.2 ... 162	176	18.48	1.8	-	-	2KJ8104-4LC	58	-	-	
17.3 ... 173	166	17.39	1.9	-	-	2KJ8104-4LC	58	-	-	
18.3 ... 183	157	16.42	2	-	-	2KJ8104-4LC	58	-	-	

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see page 5/2	1, 2 or 3 B, C, D, E, F or G	1, 2 or 3 B, C, D, E, F or G
Converter fieldbus communication	see page 5/2		
Special versions	see Chapter 4 „Additional Order options“	...+...	...+...

5

Selection and ordering data

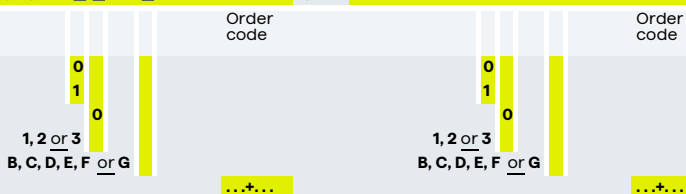
Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4		
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg	
3	Z.49-LE112MA.								
	21 ... 215	134	13.98	2.4	-	-	2KJ8104-4LC	■ ■ -4 ■ M1 -Z	58
	25 ... 251	114	11.97	2.8	-	-	2KJ8104-4LC	■ ■ -4 ■ L1 -Z	58
	28 ... 285	101	10.53	3.2	-	-	2KJ8104-4LC	■ ■ -4 ■ K1 -Z	58
	34 ... 338	85	8.88	3.8	-	-	2KJ8104-4LC	■ ■ -4 ■ J1 -Z	58
	39 ... 393	73	7.64	4	-	-	2KJ8104-4LC	■ ■ -4 ■ G1 -Z	58
	Z.39-LE100LA.								
	12.1 ... 121	235	24.82	0.84	2KJ8103-2JB	■ ■ -4 ■ R1 -Z	42	-	-
	13.8 ... 138	205	21.74	0.96	2KJ8103-2JB	■ ■ -4 ■ Q1 -Z	42	-	-
	14.9 ... 149	192	20.07	1	2KJ8103-2JB	■ ■ -4 ■ P1 -Z	42	-	-
	16.9 ... 169	170	17.77	1.2	2KJ8103-2JB	■ ■ -4 ■ N1 -Z	42	-	-
	20 ... 203	141	14.79	1.4	2KJ8103-2JB	■ ■ -4 ■ M1 -Z	42	-	-
	22 ... 216	133	13.92	1.4	2KJ8103-2JB	■ ■ -4 ■ L1 -Z	42	-	-
	24 ... 241	119	12.47	1.5	2KJ8103-2JB	■ ■ -4 ■ K1 -Z	42	-	-
	28 ... 282	101	10.62	1.7	2KJ8103-2JB	■ ■ -4 ■ J1 -Z	42	-	-
	33 ... 330	87	9.1	1.8	2KJ8103-2JB	■ ■ -4 ■ H1 -Z	42	-	-
	38 ... 383	75	7.84	2	2KJ8103-2JB	■ ■ -4 ■ G1 -Z	42	-	-
	46 ... 464	62	6.46	2.4	2KJ8103-2JB	■ ■ -4 ■ F1 -Z	42	-	-
	49 ... 493	58	6.08	2.5	2KJ8103-2JB	■ ■ -4 ■ E1 -Z	42	-	-
	55 ... 550	52	5.45	2.7	2KJ8103-2JB	■ ■ -4 ■ D1 -Z	42	-	-
65 ... 647	44	4.64	2.9	2KJ8103-2JB	■ ■ -4 ■ C1 -Z	42	-	-	
75 ... 754	38	3.98	3.2	2KJ8103-2JB	■ ■ -4 ■ B1 -Z	42	-	-	
87 ... 875	33	3.43	3.4	2KJ8103-2JB	■ ■ -4 ■ A1 -Z	42	-	-	
Z.29-LE100LA.									
17 ... 170	169	17.67	0.83	2KJ8102-2JB	■ ■ -4 ■ R1 -Z	40	-	-	
19 ... 190	150	15.75	0.93	2KJ8102-2JB	■ ■ -4 ■ Q1 -Z	40	-	-	
21 ... 206	139	14.54	0.86	2KJ8102-2JB	■ ■ -4 ■ P1 -Z	40	-	-	
24 ... 236	122	12.73	1.2	2KJ8102-2JB	■ ■ -4 ■ N1 -Z	40	-	-	
27 ... 269	107	11.16	1.3	2KJ8102-2JB	■ ■ -4 ■ M1 -Z	40	-	-	
30 ... 296	97	10.12	1.4	2KJ8102-2JB	■ ■ -4 ■ L1 -Z	40	-	-	
31 ... 315	91	9.53	1.5	2KJ8102-2JB	■ ■ -4 ■ K1 -Z	40	-	-	
36 ... 357	80	8.4	1.7	2KJ8102-2JB	■ ■ -4 ■ J1 -Z	40	-	-	
41 ... 412	70	7.29	1.9	2KJ8102-2JB	■ ■ -4 ■ H1 -Z	40	-	-	
43 ... 434	66	6.92	1.1	2KJ8102-2JB	■ ■ -4 ■ G1 -Z	40	-	-	
50 ... 495	58	6.06	1.7	2KJ8102-2JB	■ ■ -4 ■ F1 -Z	40	-	-	
56 ... 565	51	5.31	1.8	2KJ8102-2JB	■ ■ -4 ■ E1 -Z	40	-	-	
62 ... 622	46	4.82	1.9	2KJ8102-2JB	■ ■ -4 ■ D1 -Z	40	-	-	
66 ... 661	43	4.54	1.9	2KJ8102-2JB	■ ■ -4 ■ C1 -Z	40	-	-	
75 ... 750	38	4	2	2KJ8102-2JB	■ ■ -4 ■ B1 -Z	40	-	-	
86 ... 865	33	3.47	2.1	2KJ8102-2JB	■ ■ -4 ■ A1 -Z	40	-	-	
E.89-LE112MA.									
31 ... 310	92	9.67	3	-	-	2KJ8004-4LC	■ ■ -4 ■ T1 -Z	74	
34 ... 344	83	8.73	3.4	-	-	2KJ8004-4LC	■ ■ -4 ■ S1 -Z	74	
38 ... 379	76	7.92	3.7	-	-	2KJ8004-4LC	■ ■ -4 ■ R1 -Z	74	
41 ... 410	70	7.31	3.7	-	-	2KJ8004-4LC	■ ■ -4 ■ Q1 -Z	74	
45 ... 452	63	6.64	4.1	-	-	2KJ8004-4LC	■ ■ -4 ■ P1 -Z	74	
57 ... 567	50	5.29	4.2	-	-	2KJ8004-4LC	■ ■ -4 ■ M1 -Z	74	
E.89-LE100LA.									
31 ... 310	92	9.67	3	2KJ8004-2JB	■ ■ -4 ■ T1 -Z	71	-	-	
34 ... 344	83	8.73	3.4	2KJ8004-2JB	■ ■ -4 ■ S1 -Z	71	-	-	
38 ... 379	76	7.92	3.7	2KJ8004-2JB	■ ■ -4 ■ R1 -Z	71	-	-	
41 ... 410	70	7.31	3.7	2KJ8004-2JB	■ ■ -4 ■ Q1 -Z	71	-	-	
45 ... 452	63	6.64	4.1	2KJ8004-2JB	■ ■ -4 ■ P1 -Z	71	-	-	
57 ... 567	50	5.29	4.2	2KJ8004-2JB	■ ■ -4 ■ M1 -Z	71	-	-	
E.69-LE100LA.									
40 ... 396	72	7.58	2.8	2KJ8003-2JB	■ ■ -4 ■ Q1 -Z	57	-	-	
44 ... 440	65	6.82	2.6	2KJ8003-2JB	■ ■ -4 ■ P1 -Z	57	-	-	
49 ... 486	59	6.17	3.5	2KJ8003-2JB	■ ■ -4 ■ N1 -Z	57	-	-	
53 ... 527	54	5.69	3	2KJ8003-2JB	■ ■ -4 ■ M1 -Z	57	-	-	

Article No. supplements

- Motor temperature sensor without / with Pt1000
- Motor brake (brake voltage 180 V DC) without / with see page 5/2
- Converter fieldbus communication see page 5/2
- Special versions see Chapter 4 „Additional Order options“



Helical geared motors

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm											
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4			
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	Article No.	m	
					(Article No. supplements see below)			(Article No. supplements see below)			
3	E.69-LE100LA.										
	58 ... 576	50	5.21	4	2KJ8003-2JB	57	-	-	-	-	
	73 ... 728	39	4.12	4.2	2KJ8003-2JB	57	-	-	-	-	
	E.69-LE112MA.										
	40 ... 396	72	7.58	2.8	-	-	2KJ8003-4LC	61	-	-	
	44 ... 440	65	6.82	2.6	-	-	2KJ8003-4LC	61	-	-	
	49 ... 486	59	6.17	3.5	-	-	2KJ8003-4LC	61	-	-	
	53 ... 527	54	5.69	3	-	-	2KJ8003-4LC	61	-	-	
	58 ... 576	50	5.21	4	-	-	2KJ8003-4LC	61	-	-	
	73 ... 728	39	4.12	4.2	-	-	2KJ8003-4LC	61	-	-	
	E.49-LE100LA.										
	49 ... 493	58	6.08	1.8	2KJ8002-2JB	50	-	-	-	-	
	55 ... 550	52	5.45	2	2KJ8002-2JB	50	-	-	-	-	
	61 ... 610	47	4.92	2.2	2KJ8002-2JB	50	-	-	-	-	
	66 ... 661	43	4.54	2.4	2KJ8002-2JB	50	-	-	-	-	
	72 ... 725	40	4.14	2.6	2KJ8002-2JB	50	-	-	-	-	
	87 ... 872	33	3.44	3.1	2KJ8002-2JB	50	-	-	-	-	
	93 ... 926	31	3.24	3.3	2KJ8002-2JB	50	-	-	-	-	
	98 ... 980	29	3.06	3.5	2KJ8002-2JB	50	-	-	-	-	
	115 ... 1154	25	2.6	4.1	2KJ8002-2JB	50	-	-	-	-	
	E.49-LE112MA.										
	49 ... 493	58	6.08	1.8	-	-	2KJ8002-4LC	54	-	-	
	55 ... 550	52	5.45	2	-	-	2KJ8002-4LC	54	-	-	
	61 ... 610	47	4.92	2.2	-	-	2KJ8002-4LC	54	-	-	
	66 ... 661	43	4.54	2.4	-	-	2KJ8002-4LC	54	-	-	
	72 ... 725	40	4.14	2.6	-	-	2KJ8002-4LC	54	-	-	
	87 ... 872	33	3.44	3.1	-	-	2KJ8002-4LC	54	-	-	
	93 ... 926	31	3.24	3.3	-	-	2KJ8002-4LC	54	-	-	
	98 ... 980	29	3.06	3.5	-	-	2KJ8002-4LC	54	-	-	
	115 ... 1154	25	2.6	4.1	-	-	2KJ8002-4LC	54	-	-	
	E.39-LE100LA.										
	67 ... 667	43	4.5	1.1	2KJ8001-2JB	43	-	-	-	-	
	73 ... 733	39	4.09	1.2	2KJ8001-2JB	43	-	-	-	-	
	84 ... 838	34	3.58	1.7	2KJ8001-2JB	43	-	-	-	-	
	91 ... 906	32	3.31	1.8	2KJ8001-2JB	43	-	-	-	-	
	102 ... 1024	28	2.93	2.3	2KJ8001-2JB	43	-	-	-	-	
	E.39-LE112MA.										
	67 ... 667	43	4.5	1.1	-	-	2KJ8001-4LC	49	-	-	
	73 ... 733	39	4.09	1.2	-	-	2KJ8001-4LC	49	-	-	
	84 ... 838	34	3.58	1.7	-	-	2KJ8001-4LC	49	-	-	
	91 ... 906	32	3.31	1.8	-	-	2KJ8001-4LC	49	-	-	
	102 ... 1024	28	2.93	2.3	-	-	2KJ8001-4LC	49	-	-	
	4	D.89-LE100LB.									
		2 ... 20	1860	146.59	0.9	2KJ8208-2JG	94	-	-	-	-
		2.2 ... 22	1750	137.97	0.96	2KJ8208-2JG	94	-	-	-	-
2.4 ... 24		1610	126.58	1	2KJ8208-2JG	94	-	-	-	-	
2.7 ... 27		1400	110.57	1.2	2KJ8208-2JG	94	-	-	-	-	
3 ... 30		1260	98.99	1.3	2KJ8208-2JG	94	-	-	-	-	
3.5 ... 35		1100	86.56	1.5	2KJ8208-2JG	94	-	-	-	-	
4 ... 40		945	74.3	1.8	2KJ8208-2JG	94	-	-	-	-	
4.6 ... 46		835	65.67	2	2KJ8208-2JG	94	-	-	-	-	
D.89-LE112MB.											
2 ... 20		1860	146.59	0.9	-	-	2KJ8208-4LH	97	-	-	
2.2 ... 22		1750	137.97	0.96	-	-	2KJ8208-4LH	97	-	-	
2.4 ... 24		1610	126.58	1	-	-	2KJ8208-4LH	97	-	-	
2.7 ... 27		1400	110.57	1.2	-	-	2KJ8208-4LH	97	-	-	
3 ... 30		1260	98.99	1.3	-	-	2KJ8208-4LH	97	-	-	
3.5 ... 35		1100	86.56	1.5	-	-	2KJ8208-4LH	97	-	-	
4 ... 40		945	74.3	1.8	-	-	2KJ8208-4LH	97	-	-	
Article No. supplements					Order code						
Motor temperature sensor		without				0					
		with Pt1000				1					
Motor brake		without				0					
(brake voltage 180 V DC)		with see page 5/2				1, 2 or 3					
Converter fieldbus communication		see page 5/2				B, C, D, E, F or G					
Special versions		see Chapter 4 „Additional Order options“				...					

Selection and ordering data

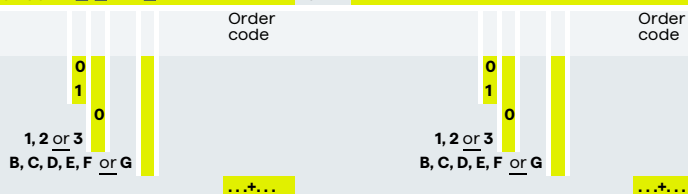
Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4			
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg		
4	D.89-LE112MB.									
	4.6 ... 46	835	65.67	2	-	-	2KJ8208-4LH	■ ■ -4 ■ C1 -Z	97	
	Z.89-LE112MB.									
	5.2 ... 52	730	57.36	2.3	-	-	2KJ8108-4LH	■ ■ -4 ■ A2 -Z	96	
	5.8 ... 58	655	51.78	2.5	-	-	2KJ8108-4LH	■ ■ -4 ■ X1 -Z	96	
	6.4 ... 64	595	46.97	2.8	-	-	2KJ8108-4LH	■ ■ -4 ■ W1 -Z	96	
	6.9 ... 69	550	43.36	3	-	-	2KJ8108-4LH	■ ■ -4 ■ V1 -Z	96	
	7.6 ... 76	500	39.41	3.3	-	-	2KJ8108-4LH	■ ■ -4 ■ U1 -Z	96	
	Z.89-LE100LB.									
	5.2 ... 52	730	57.36	2.3	-	2KJ8108-2JG	■ ■ -4 ■ A2 -Z	93	-	
	5.8 ... 58	655	51.78	2.5	-	2KJ8108-2JG	■ ■ -4 ■ X1 -Z	93	-	
	6.4 ... 64	595	46.97	2.8	-	2KJ8108-2JG	■ ■ -4 ■ W1 -Z	93	-	
	6.9 ... 69	550	43.36	3	-	2KJ8108-2JG	■ ■ -4 ■ V1 -Z	93	-	
	7.6 ... 76	500	39.41	3.3	-	2KJ8108-2JG	■ ■ -4 ■ U1 -Z	93	-	
	D.79-LE100LB.									
	4 ... 40	965	75.83	0.87	-	2KJ8207-2JG	■ ■ -4 ■ D1 -Z	71	-	
	4.5 ... 45	845	66.67	0.99	-	2KJ8207-2JG	■ ■ -4 ■ C1 -Z	71	-	
	5.3 ... 53	715	56.25	1.2	-	2KJ8207-2JG	■ ■ -4 ■ B1 -Z	71	-	
	6.1 ... 61	620	49.02	1.3	-	2KJ8207-2JG	■ ■ -4 ■ A1 -Z	71	-	
	D.79-LE112MB.									
	4 ... 40	965	75.83	0.87	-	-	-	2KJ8207-4LH	■ ■ -4 ■ D1 -Z	75
	4.5 ... 45	845	66.67	0.99	-	-	-	2KJ8207-4LH	■ ■ -4 ■ C1 -Z	75
	5.3 ... 53	715	56.25	1.2	-	-	-	2KJ8207-4LH	■ ■ -4 ■ B1 -Z	75
	6.1 ... 61	620	49.02	1.3	-	-	-	2KJ8207-4LH	■ ■ -4 ■ A1 -Z	75
	Z.79-LE100LB.									
	6.8 ... 68	565	44.42	1.5	-	2KJ8107-2JG	■ ■ -4 ■ W1 -Z	70	-	
	7.5 ... 75	505	39.94	1.7	-	2KJ8107-2JG	■ ■ -4 ■ V1 -Z	70	-	
	8.3 ... 83	460	36.12	1.8	-	2KJ8107-2JG	■ ■ -4 ■ U1 -Z	70	-	
	9 ... 90	425	33.34	2	-	2KJ8107-2JG	■ ■ -4 ■ T1 -Z	70	-	
	9.8 ... 98	385	30.54	2.2	-	2KJ8107-2JG	■ ■ -4 ■ S1 -Z	70	-	
	11.7 ... 117	325	25.62	2.6	-	2KJ8107-2JG	■ ■ -4 ■ R1 -Z	70	-	
	12.4 ... 124	305	24.12	2.7	-	2KJ8107-2JG	■ ■ -4 ■ Q1 -Z	70	-	
	13.6 ... 136	280	22.13	3	-	2KJ8107-2JG	■ ■ -4 ■ P1 -Z	70	-	
	15.5 ... 155	245	19.33	3.4	-	2KJ8107-2JG	■ ■ -4 ■ N1 -Z	70	-	
	Z.79-LE112MB.									
	6.8 ... 68	565	44.42	1.5	-	-	-	2KJ8107-4LH	■ ■ -4 ■ W1 -Z	74
7.5 ... 75	505	39.94	1.7	-	-	-	2KJ8107-4LH	■ ■ -4 ■ V1 -Z	74	
8.3 ... 83	460	36.12	1.8	-	-	-	2KJ8107-4LH	■ ■ -4 ■ U1 -Z	74	
9 ... 90	425	33.34	2	-	-	-	2KJ8107-4LH	■ ■ -4 ■ T1 -Z	74	
9.8 ... 98	385	30.54	2.2	-	-	-	2KJ8107-4LH	■ ■ -4 ■ S1 -Z	74	
11.7 ... 117	325	25.62	2.6	-	-	-	2KJ8107-4LH	■ ■ -4 ■ R1 -Z	74	
12.4 ... 124	305	24.12	2.7	-	-	-	2KJ8107-4LH	■ ■ -4 ■ Q1 -Z	74	
13.6 ... 136	280	22.13	3	-	-	-	2KJ8107-4LH	■ ■ -4 ■ P1 -Z	74	
15.5 ... 155	245	19.33	3.4	-	-	-	2KJ8107-4LH	■ ■ -4 ■ N1 -Z	74	
D.69-LE112MB.										
5.6 ... 56	680	53.43	0.88	-	-	-	2KJ8206-4LH	■ ■ -4 ■ B1 -Z	65	
6.5 ... 65	585	46.01	1	-	-	-	2KJ8206-4LH	■ ■ -4 ■ A1 -Z	65	
D.69-LE100LB.										
5.6 ... 56	680	53.43	0.88	-	2KJ8206-2JG	■ ■ -4 ■ B1 -Z	61	-		
6.5 ... 65	585	46.01	1	-	2KJ8206-2JG	■ ■ -4 ■ A1 -Z	61	-		
Z.69-LE100LB.										
7.8 ... 78	485	38.24	1.2	-	2KJ8106-2JG	■ ■ -4 ■ U1 -Z	61	-		
8.7 ... 87	435	34.29	1.4	-	2KJ8106-2JG	■ ■ -4 ■ T1 -Z	61	-		
9.7 ... 97	390	30.9	1.5	-	2KJ8106-2JG	■ ■ -4 ■ S1 -Z	61	-		
10.5 ... 105	360	28.53	1.7	-	2KJ8106-2JG	■ ■ -4 ■ R1 -Z	61	-		
11.5 ... 115	330	26.04	1.8	-	2KJ8106-2JG	■ ■ -4 ■ Q1 -Z	61	-		
13.9 ... 139	275	21.61	2.2	-	2KJ8106-2JG	■ ■ -4 ■ P1 -Z	61	-		
14.7 ... 147	255	20.34	2.3	-	2KJ8106-2JG	■ ■ -4 ■ N1 -Z	61	-		
15.6 ... 156	245	19.21	2.5	-	2KJ8106-2JG	■ ■ -4 ■ M1 -Z	61	-		

Article No. supplements

- Motor temperature sensor without / with Pt1000
- Motor brake without / with see page 5/2 (brake voltage 180 V DC)
- Converter fieldbus communication see page 5/2
- Special versions see Chapter 4 „Additional Order options“



Helical geared motors

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm											
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4			
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	Article No.	m	
					(Article No. supplements see below)	kg	(Article No. supplements see below)	kg	(Article No. supplements see below)	kg	
4	Z.69-LE100LB.										
	18.4 ... 184	205	16.34	2.9	2KJ8106-2JG ■■-4 ■ L1 -Z	61	-	-	-	-	
	21 ... 214	178	14	3.4	2KJ8106-2JG ■■-4 ■ K1 -Z	61	-	-	-	-	
	24 ... 244	157	12.31	3.8	2KJ8106-2JG ■■-4 ■ J1 -Z	61	-	-	-	-	
	Z.69-LE112MB.										
	7.8 ... 78	485	38.24	1.2	-	-	2KJ8106-4LH ■■-4 ■ U1 -Z	65	-	-	
	8.7 ... 87	435	34.29	1.4	-	-	2KJ8106-4LH ■■-4 ■ T1 -Z	65	-	-	
	9.7 ... 97	390	30.9	1.5	-	-	2KJ8106-4LH ■■-4 ■ S1 -Z	65	-	-	
	10.5 ... 105	360	28.53	1.7	-	-	2KJ8106-4LH ■■-4 ■ R1 -Z	65	-	-	
	11.5 ... 115	330	26.04	1.8	-	-	2KJ8106-4LH ■■-4 ■ Q1 -Z	65	-	-	
	13.9 ... 139	275	21.61	2.2	-	-	2KJ8106-4LH ■■-4 ■ P1 -Z	65	-	-	
	14.7 ... 147	255	20.34	2.3	-	-	2KJ8106-4LH ■■-4 ■ N1 -Z	65	-	-	
	15.6 ... 156	245	19.21	2.5	-	-	2KJ8106-4LH ■■-4 ■ M1 -Z	65	-	-	
	18.4 ... 184	205	16.34	2.9	-	-	2KJ8106-4LH ■■-4 ■ L1 -Z	65	-	-	
	21 ... 214	178	14	3.4	-	-	2KJ8106-4LH ■■-4 ■ K1 -Z	65	-	-	
	24 ... 244	157	12.31	3.8	-	-	2KJ8106-4LH ■■-4 ■ J1 -Z	65	-	-	
	D.59-LE100LB.										
	7 ... 70	545	43	0.82	2KJ8205-2JG ■■-4 ■ A1 -Z	56	-	-	-	-	
	D.59-LE112MB.										
	7 ... 70	545	43	0.82	-	-	2KJ8205-4LH ■■-4 ■ A1 -Z	60	-	-	
Z.59-LE112MB.											
8.4 ... 84	455	35.74	0.99	-	-	2KJ8105-4LH ■■-4 ■ U1 -Z	60	-	-		
9.4 ... 94	405	32.05	1.1	-	-	2KJ8105-4LH ■■-4 ■ T1 -Z	60	-	-		
10.4 ... 104	365	28.89	1.2	-	-	2KJ8105-4LH ■■-4 ■ S1 -Z	60	-	-		
11.3 ... 113	335	26.66	1.3	-	-	2KJ8105-4LH ■■-4 ■ R1 -Z	60	-	-		
12.3 ... 123	310	24.34	1.5	-	-	2KJ8105-4LH ■■-4 ■ Q1 -Z	60	-	-		
14.9 ... 149	255	20.2	1.7	-	-	2KJ8105-4LH ■■-4 ■ P1 -Z	60	-	-		
15.8 ... 158	240	19.01	1.9	-	-	2KJ8105-4LH ■■-4 ■ N1 -Z	60	-	-		
16.7 ... 167	225	17.95	2	-	-	2KJ8105-4LH ■■-4 ■ M1 -Z	60	-	-		
19.6 ... 196	194	15.27	2.3	-	-	2KJ8105-4LH ■■-4 ■ L1 -Z	60	-	-		
23 ... 229	167	13.09	2.7	-	-	2KJ8105-4LH ■■-4 ■ K1 -Z	60	-	-		
26 ... 261	147	11.51	3.1	-	-	2KJ8105-4LH ■■-4 ■ J1 -Z	60	-	-		
31 ... 309	124	9.71	3.6	-	-	2KJ8105-4LH ■■-4 ■ H1 -Z	60	-	-		
37 ... 372	103	8.07	4	-	-	2KJ8105-4LH ■■-4 ■ F1 -Z	60	-	-		
Z.59-LE100LB.											
8.4 ... 84	455	35.74	0.99	2KJ8105-2JG ■■-4 ■ U1 -Z	56	-	-	-	-		
9.4 ... 94	405	32.05	1.1	2KJ8105-2JG ■■-4 ■ T1 -Z	56	-	-	-	-		
10.4 ... 104	365	28.89	1.2	2KJ8105-2JG ■■-4 ■ S1 -Z	56	-	-	-	-		
11.3 ... 113	335	26.66	1.3	2KJ8105-2JG ■■-4 ■ R1 -Z	56	-	-	-	-		
12.3 ... 123	310	24.34	1.5	2KJ8105-2JG ■■-4 ■ Q1 -Z	56	-	-	-	-		
14.9 ... 149	255	20.2	1.7	2KJ8105-2JG ■■-4 ■ P1 -Z	56	-	-	-	-		
15.8 ... 158	240	19.01	1.9	2KJ8105-2JG ■■-4 ■ N1 -Z	56	-	-	-	-		
16.7 ... 167	225	17.95	2	2KJ8105-2JG ■■-4 ■ M1 -Z	56	-	-	-	-		
19.6 ... 196	194	15.27	2.3	2KJ8105-2JG ■■-4 ■ L1 -Z	56	-	-	-	-		
23 ... 229	167	13.09	2.7	2KJ8105-2JG ■■-4 ■ K1 -Z	56	-	-	-	-		
26 ... 261	147	11.51	3.1	2KJ8105-2JG ■■-4 ■ J1 -Z	56	-	-	-	-		
31 ... 309	124	9.71	3.6	2KJ8105-2JG ■■-4 ■ H1 -Z	56	-	-	-	-		
37 ... 372	103	8.07	4	2KJ8105-2JG ■■-4 ■ F1 -Z	56	-	-	-	-		
Z.49-LE100LB.											
10.2 ... 102	370	29.32	0.86	2KJ8104-2JG ■■-4 ■ U1 -Z	54	-	-	-	-		
11.4 ... 114	335	26.43	0.95	2KJ8104-2JG ■■-4 ■ T1 -Z	54	-	-	-	-		
12.3 ... 123	310	24.39	1	2KJ8104-2JG ■■-4 ■ S1 -Z	54	-	-	-	-		
13.5 ... 135	280	22.27	1.1	2KJ8104-2JG ■■-4 ■ R1 -Z	54	-	-	-	-		
16.2 ... 162	235	18.48	1.4	2KJ8104-2JG ■■-4 ■ Q1 -Z	54	-	-	-	-		
17.3 ... 173	220	17.39	1.4	2KJ8104-2JG ■■-4 ■ P1 -Z	54	-	-	-	-		
18.3 ... 183	205	16.42	1.5	2KJ8104-2JG ■■-4 ■ N1 -Z	54	-	-	-	-		
21 ... 215	178	13.98	1.8	2KJ8104-2JG ■■-4 ■ M1 -Z	54	-	-	-	-		
25 ... 251	152	11.97	2.1	2KJ8104-2JG ■■-4 ■ L1 -Z	54	-	-	-	-		
28 ... 285	134	10.53	2.4	2KJ8104-2JG ■■-4 ■ K1 -Z	54	-	-	-	-		
Article No. supplements											
Motor temperature sensor	without					Order code	0				
	with Pt1000						1				
Motor brake	without					Order code	0				
(brake voltage 180 V DC)	with see page 5/2						1, 2 or 3				
Converter fieldbus communication	see page 5/2						B, C, D, E, F or G				
Special versions	see Chapter 4 „Additional Order options“						...+...				

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B -	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
					Article No. (Article No. supplements see below)	m kg		Article No. (Article No. supplements see below)	m kg	
4										
Z.49-LE100LB.										
34 ... 338	113	8.88	8.88	2.8	2KJ8104-2JG	■ ■ -4 ■ J1	-Z	54	-	-
39 ... 388	99	7.74	7.74	3.2	2KJ8104-2JG	■ ■ -4 ■ H1	-Z	54	-	-
39 ... 393	97	7.64	7.64	3	2KJ8104-2JG	■ ■ -4 ■ G1	-Z	54	-	-
42 ... 416	92	7.21	7.21	3.2	2KJ8104-2JG	■ ■ -4 ■ F1	-Z	54	-	-
49 ... 489	78	6.14	6.14	3.4	2KJ8104-2JG	■ ■ -4 ■ E1	-Z	54	-	-
57 ... 570	67	5.26	5.26	3.7	2KJ8104-2JG	■ ■ -4 ■ D1	-Z	54	-	-
65 ... 649	59	4.62	4.62	3.8	2KJ8104-2JG	■ ■ -4 ■ C1	-Z	54	-	-
77 ... 769	50	3.9	3.9	4.1	2KJ8104-2JG	■ ■ -4 ■ B1	-Z	54	-	-
88 ... 882	43	3.4	3.4	4.4	2KJ8104-2JG	■ ■ -4 ■ A1	-Z	54	-	-
Z.49-LE112MB.										
10.2 ... 102	370	29.32	29.32	0.86	-	-	-	-	2KJ8104-4LH	■ ■ -4 ■ U1 -Z 58
11.4 ... 114	335	26.43	26.43	0.95	-	-	-	-	2KJ8104-4LH	■ ■ -4 ■ T1 -Z 58
12.3 ... 123	310	24.39	24.39	1	-	-	-	-	2KJ8104-4LH	■ ■ -4 ■ S1 -Z 58
13.5 ... 135	280	22.27	22.27	1.1	-	-	-	-	2KJ8104-4LH	■ ■ -4 ■ R1 -Z 58
16.2 ... 162	235	18.48	18.48	1.4	-	-	-	-	2KJ8104-4LH	■ ■ -4 ■ Q1 -Z 58
17.3 ... 173	220	17.39	17.39	1.4	-	-	-	-	2KJ8104-4LH	■ ■ -4 ■ P1 -Z 58
18.3 ... 183	205	16.42	16.42	1.5	-	-	-	-	2KJ8104-4LH	■ ■ -4 ■ N1 -Z 58
21 ... 215	178	13.98	13.98	1.8	-	-	-	-	2KJ8104-4LH	■ ■ -4 ■ M1 -Z 58
25 ... 251	152	11.97	11.97	2.1	-	-	-	-	2KJ8104-4LH	■ ■ -4 ■ L1 -Z 58
28 ... 285	134	10.53	10.53	2.4	-	-	-	-	2KJ8104-4LH	■ ■ -4 ■ K1 -Z 58
34 ... 338	113	8.88	8.88	2.8	-	-	-	-	2KJ8104-4LH	■ ■ -4 ■ J1 -Z 58
39 ... 388	99	7.74	7.74	3.2	-	-	-	-	2KJ8104-4LH	■ ■ -4 ■ H1 -Z 58
39 ... 393	97	7.64	7.64	3	-	-	-	-	2KJ8104-4LH	■ ■ -4 ■ G1 -Z 58
42 ... 416	92	7.21	7.21	3.2	-	-	-	-	2KJ8104-4LH	■ ■ -4 ■ F1 -Z 58
49 ... 489	78	6.14	6.14	3.4	-	-	-	-	2KJ8104-4LH	■ ■ -4 ■ E1 -Z 58
57 ... 570	67	5.26	5.26	3.7	-	-	-	-	2KJ8104-4LH	■ ■ -4 ■ D1 -Z 58
65 ... 649	59	4.62	4.62	3.8	-	-	-	-	2KJ8104-4LH	■ ■ -4 ■ C1 -Z 58
77 ... 769	50	3.9	3.9	4.1	-	-	-	-	2KJ8104-4LH	■ ■ -4 ■ B1 -Z 58
88 ... 882	43	3.4	3.4	4.4	-	-	-	-	2KJ8104-4LH	■ ■ -4 ■ A1 -Z 58
Z.39-LE100LB.										
16.9 ... 169	225	17.77	17.77	0.88	2KJ8103-2JG	■ ■ -4 ■ N1	-Z	42	-	-
20 ... 203	188	14.79	14.79	1	2KJ8103-2JG	■ ■ -4 ■ M1	-Z	42	-	-
22 ... 216	177	13.92	13.92	1.1	2KJ8103-2JG	■ ■ -4 ■ L1	-Z	42	-	-
24 ... 241	159	12.47	12.47	1.1	2KJ8103-2JG	■ ■ -4 ■ K1	-Z	42	-	-
28 ... 282	135	10.62	10.62	1.2	2KJ8103-2JG	■ ■ -4 ■ J1	-Z	42	-	-
33 ... 330	116	9.1	9.1	1.4	2KJ8103-2JG	■ ■ -4 ■ H1	-Z	42	-	-
38 ... 383	100	7.84	7.84	1.5	2KJ8103-2JG	■ ■ -4 ■ G1	-Z	42	-	-
46 ... 464	82	6.46	6.46	1.8	2KJ8103-2JG	■ ■ -4 ■ F1	-Z	42	-	-
49 ... 493	77	6.08	6.08	1.9	2KJ8103-2JG	■ ■ -4 ■ E1	-Z	42	-	-
55 ... 550	69	5.45	5.45	2	2KJ8103-2JG	■ ■ -4 ■ D1	-Z	42	-	-
65 ... 647	59	4.64	4.64	2.2	2KJ8103-2JG	■ ■ -4 ■ C1	-Z	42	-	-
75 ... 754	51	3.98	3.98	2.4	2KJ8103-2JG	■ ■ -4 ■ B1	-Z	42	-	-
87 ... 875	44	3.43	3.43	2.6	2KJ8103-2JG	■ ■ -4 ■ A1	-Z	42	-	-
Z.29-LE100LB.										
24 ... 236	162	12.73	12.73	0.86	2KJ8102-2JG	■ ■ -4 ■ N1	-Z	40	-	-
27 ... 269	142	11.16	11.16	0.99	2KJ8102-2JG	■ ■ -4 ■ M1	-Z	40	-	-
30 ... 296	129	10.12	10.12	1.1	2KJ8102-2JG	■ ■ -4 ■ L1	-Z	40	-	-
31 ... 315	121	9.53	9.53	1.2	2KJ8102-2JG	■ ■ -4 ■ K1	-Z	40	-	-
36 ... 357	107	8.4	8.4	1.3	2KJ8102-2JG	■ ■ -4 ■ J1	-Z	40	-	-
41 ... 412	93	7.29	7.29	1.4	2KJ8102-2JG	■ ■ -4 ■ H1	-Z	40	-	-
43 ... 434	88	6.92	6.92	0.85	2KJ8102-2JG	■ ■ -4 ■ G1	-Z	40	-	-
50 ... 495	77	6.06	6.06	1.3	2KJ8102-2JG	■ ■ -4 ■ F1	-Z	40	-	-
56 ... 565	68	5.31	5.31	1.3	2KJ8102-2JG	■ ■ -4 ■ E1	-Z	40	-	-
62 ... 622	61	4.82	4.82	1.4	2KJ8102-2JG	■ ■ -4 ■ D1	-Z	40	-	-
66 ... 661	58	4.54	4.54	1.5	2KJ8102-2JG	■ ■ -4 ■ C1	-Z	40	-	-
75 ... 750	51	4	4	1.5	2KJ8102-2JG	■ ■ -4 ■ B1	-Z	40	-	-
86 ... 865	44	3.47	3.47	1.6	2KJ8102-2JG	■ ■ -4 ■ A1	-Z	40	-	-

Article No. supplements

Motor temperature sensor	without with Pt1000	0 1
Motor brake (brake voltage 180 V DC)	without with see page 5/2	0 1, 2 or 3
Converter fieldbus communication	see page 5/2	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...

Order code

Order code

Helical geared motors

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm										
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	Article No.	m
					(Article No. supplements see below)	kg	(Article No. supplements see below)	kg	(Article No. supplements see below)	kg
4	E.89-LE112MB.									
	31 ... 310	123	9.67	2.3	-	-	2KJ8004-4LH	■ ■ -4 ■ T1	-Z	74
	34 ... 344	111	8.73	2.5	-	-	2KJ8004-4LH	■ ■ -4 ■ S1	-Z	74
	38 ... 379	101	7.92	2.8	-	-	2KJ8004-4LH	■ ■ -4 ■ R1	-Z	74
	41 ... 410	93	7.31	2.8	-	-	2KJ8004-4LH	■ ■ -4 ■ Q1	-Z	74
	45 ... 452	84	6.64	3.1	-	-	2KJ8004-4LH	■ ■ -4 ■ P1	-Z	74
	57 ... 567	67	5.29	3.1	-	-	2KJ8004-4LH	■ ■ -4 ■ M1	-Z	74
	E.89-LE100LB.									
	31 ... 310	123	9.67	2.3	2KJ8004-2JG	■ ■ -4 ■ T1	-Z	71	-	-
	34 ... 344	111	8.73	2.5	2KJ8004-2JG	■ ■ -4 ■ S1	-Z	71	-	-
	38 ... 379	101	7.92	2.8	2KJ8004-2JG	■ ■ -4 ■ R1	-Z	71	-	-
	41 ... 410	93	7.31	2.8	2KJ8004-2JG	■ ■ -4 ■ Q1	-Z	71	-	-
	45 ... 452	84	6.64	3.1	2KJ8004-2JG	■ ■ -4 ■ P1	-Z	71	-	-
	57 ... 567	67	5.29	3.1	2KJ8004-2JG	■ ■ -4 ■ M1	-Z	71	-	-
	E.69-LE100LB.									
	40 ... 396	96	7.58	2.1	2KJ8003-2JG	■ ■ -4 ■ Q1	-Z	57	-	-
	44 ... 440	87	6.82	2	2KJ8003-2JG	■ ■ -4 ■ P1	-Z	57	-	-
	49 ... 486	79	6.17	2.6	2KJ8003-2JG	■ ■ -4 ■ N1	-Z	57	-	-
	53 ... 527	72	5.69	2.3	2KJ8003-2JG	■ ■ -4 ■ M1	-Z	57	-	-
	58 ... 576	66	5.21	3	2KJ8003-2JG	■ ■ -4 ■ L1	-Z	57	-	-
68 ... 685	56	4.38	3.6	2KJ8003-2JG	■ ■ -4 ■ K1	-Z	57	-	-	
73 ... 728	52	4.12	3.1	2KJ8003-2JG	■ ■ -4 ■ J1	-Z	57	-	-	
79 ... 794	48	3.78	4.2	2KJ8003-2JG	■ ■ -4 ■ H1	-Z	57	-	-	
E.69-LE112MB.										
40 ... 396	96	7.58	2.1	-	-	2KJ8003-4LH	■ ■ -4 ■ Q1	-Z	61	
44 ... 440	87	6.82	2	-	-	2KJ8003-4LH	■ ■ -4 ■ P1	-Z	61	
49 ... 486	79	6.17	2.6	-	-	2KJ8003-4LH	■ ■ -4 ■ N1	-Z	61	
53 ... 527	72	5.69	2.3	-	-	2KJ8003-4LH	■ ■ -4 ■ M1	-Z	61	
58 ... 576	66	5.21	3	-	-	2KJ8003-4LH	■ ■ -4 ■ L1	-Z	61	
68 ... 685	56	4.38	3.6	-	-	2KJ8003-4LH	■ ■ -4 ■ K1	-Z	61	
73 ... 728	52	4.12	3.1	-	-	2KJ8003-4LH	■ ■ -4 ■ J1	-Z	61	
79 ... 794	48	3.78	4.2	-	-	2KJ8003-4LH	■ ■ -4 ■ H1	-Z	61	
E.49-LE100LB.										
49 ... 493	77	6.08	1.3	2KJ8002-2JG	■ ■ -4 ■ N1	-Z	50	-	-	
55 ... 550	69	5.45	1.5	2KJ8002-2JG	■ ■ -4 ■ M1	-Z	50	-	-	
61 ... 610	63	4.92	1.6	2KJ8002-2JG	■ ■ -4 ■ L1	-Z	50	-	-	
66 ... 661	58	4.54	1.8	2KJ8002-2JG	■ ■ -4 ■ K1	-Z	50	-	-	
72 ... 725	53	4.14	1.9	2KJ8002-2JG	■ ■ -4 ■ J1	-Z	50	-	-	
87 ... 872	44	3.44	2.3	2KJ8002-2JG	■ ■ -4 ■ H1	-Z	50	-	-	
93 ... 926	41	3.24	2.4	2KJ8002-2JG	■ ■ -4 ■ G1	-Z	50	-	-	
98 ... 980	39	3.06	2.6	2KJ8002-2JG	■ ■ -4 ■ F1	-Z	50	-	-	
115 ... 1154	33	2.6	3.1	2KJ8002-2JG	■ ■ -4 ■ E1	-Z	50	-	-	
E.49-LE112MB.										
49 ... 493	77	6.08	1.3	-	-	2KJ8002-4LH	■ ■ -4 ■ N1	-Z	54	
55 ... 550	69	5.45	1.5	-	-	2KJ8002-4LH	■ ■ -4 ■ M1	-Z	54	
61 ... 610	63	4.92	1.6	-	-	2KJ8002-4LH	■ ■ -4 ■ L1	-Z	54	
66 ... 661	58	4.54	1.8	-	-	2KJ8002-4LH	■ ■ -4 ■ K1	-Z	54	
72 ... 725	53	4.14	1.9	-	-	2KJ8002-4LH	■ ■ -4 ■ J1	-Z	54	
87 ... 872	44	3.44	2.3	-	-	2KJ8002-4LH	■ ■ -4 ■ H1	-Z	54	
93 ... 926	41	3.24	2.4	-	-	2KJ8002-4LH	■ ■ -4 ■ G1	-Z	54	
98 ... 980	39	3.06	2.6	-	-	2KJ8002-4LH	■ ■ -4 ■ F1	-Z	54	
115 ... 1154	33	2.6	3.1	-	-	2KJ8002-4LH	■ ■ -4 ■ E1	-Z	54	
E.39-LE112MB.										
67 ... 667	57	4.5	0.84	-	-	2KJ8001-4LH	■ ■ -4 ■ L1	-Z	49	
73 ... 733	52	4.09	0.92	-	-	2KJ8001-4LH	■ ■ -4 ■ K1	-Z	49	
84 ... 838	46	3.58	1.3	-	-	2KJ8001-4LH	■ ■ -4 ■ J1	-Z	49	
91 ... 906	42	3.31	1.4	-	-	2KJ8001-4LH	■ ■ -4 ■ H1	-Z	49	
102 ... 1024	37	2.93	1.7	-	-	2KJ8001-4LH	■ ■ -4 ■ G1	-Z	49	

Article No. supplements	Order code	Order code
Motor temperature sensor	without with Pt1000	0 1
Motor brake (brake voltage 180 V DC)	without with see page 5/2	0 1
Converter fieldbus communication see page 5/2		
Special versions see Chapter 4 „Additional Order options“		

Order code	Order code
1, 2 or 3 B, C, D, E, F or G	1, 2 or 3 B, C, D, E, F or G

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm

P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
					Article No.	m		Article No.	m	
kW	rpm	Nm	-	-	(Article No. supplements see below)	kg		(Article No. supplements see below)	kg	
4	E.39-LE100LB.									
67 ... 667		57	4.5	0.84	2KJ8001-2JG	■ ■ -4 ■ L1 -Z	43	-	-	-
73 ... 733		52	4.09	0.92	2KJ8001-2JG	■ ■ -4 ■ K1 -Z	43	-	-	-
84 ... 838		46	3.58	1.3	2KJ8001-2JG	■ ■ -4 ■ J1 -Z	43	-	-	-
91 ... 906		42	3.31	1.4	2KJ8001-2JG	■ ■ -4 ■ H1 -Z	43	-	-	-

Article No. supplements		Order code			Order code		
Motor temperature sensor	without	0	1	0	0	1	0
	with Pt1000	1	0	0	1	0	0
Motor brake	without	0	1	0	0	1	0
(brake voltage 180 V DC)	with see page 5/2	1, 2 or 3	0	0	1, 2 or 3	0	0
Converter fieldbus communication	see page 5/2	B, C, D, E, F or G			B, C, D, E, F or G		
Special versions	see Chapter 4 „Additional Order options“				...+...		...+...

Helical geared motors

Selection and ordering data

Control range 1:8.7

Innomotics SG G115D · Control range 1:8.7 / Motor speed range 300 ... 2610 rpm

P _N	n ₂	T ₂	i	f _B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
kW	rpm	Nm	-	-				
0.64	D.79-LE71MB.							
0.91 ... 7.9	770	330.23	1.1	1.1	2KJ8207-2CG	■ ■ -5 ■ S1 -Z	44	-
1 ... 8.7	700	300.21	1.2	1.2	2KJ8207-2CG	■ ■ -5 ■ R1 -Z	44	-
1.2 ... 10.2	595	255.33	1.4	1.4	2KJ8207-2CG	■ ■ -5 ■ Q1 -Z	44	-
1.3 ... 11.2	540	232.12	1.5	1.5	2KJ8207-2CG	■ ■ -5 ■ P1 -Z	44	-
1.4 ... 12.6	485	207.1	1.7	1.7	2KJ8207-2CG	■ ■ -5 ■ N1 -Z	44	-
1.6 ... 14.1	435	185.7	1.9	1.9	2KJ8207-2CG	■ ■ -5 ■ M1 -Z	44	-
1.8 ... 15.6	390	167.39	2.1	2.1	2KJ8207-2CG	■ ■ -5 ■ L1 -Z	44	-
1.9 ... 16.9	360	154.51	2.3	2.3	2KJ8207-2CG	■ ■ -5 ■ K1 -Z	44	-
2.1 ... 18.5	330	141.04	2.5	2.5	2KJ8207-2CG	■ ■ -5 ■ J1 -Z	44	-
2.6 ... 22	270	117.03	3.1	3.1	2KJ8207-2CG	■ ■ -5 ■ H1 -Z	44	-
	D.69-LE71MB.							
1 ... 8.9	680	292.08	0.88	0.88	2KJ8206-2CG	■ ■ -5 ■ R1 -Z	34	-
1.2 ... 10.2	600	256.46	1	1	2KJ8206-2CG	■ ■ -5 ■ Q1 -Z	34	-
1.3 ... 11.2	545	233.14	1.1	1.1	2KJ8206-2CG	■ ■ -5 ■ P1 -Z	34	-
1.5 ... 13.1	465	199.47	1.3	1.3	2KJ8206-2CG	■ ■ -5 ■ N1 -Z	34	-
1.7 ... 14.4	425	181.33	1.4	1.4	2KJ8206-2CG	■ ■ -5 ■ M1 -Z	34	-
1.9 ... 16.3	375	160.29	1.6	1.6	2KJ8206-2CG	■ ■ -5 ■ L1 -Z	34	-
2.1 ... 17.9	340	145.71	1.8	1.8	2KJ8206-2CG	■ ■ -5 ■ K1 -Z	34	-
2.4 ... 20	295	127.63	2	2	2KJ8206-2CG	■ ■ -5 ■ J1 -Z	34	-
2.5 ... 22	275	117.82	2.2	2.2	2KJ8206-2CG	■ ■ -5 ■ H1 -Z	34	-
2.9 ... 25	240	104.31	2.5	2.5	2KJ8206-2CG	■ ■ -5 ■ G1 -Z	34	-
3.5 ... 30	200	86.82	3	3	2KJ8206-2CG	■ ■ -5 ■ F1 -Z	34	-
3.7 ... 32	191	81.71	3.1	3.1	2KJ8206-2CG	■ ■ -5 ■ E1 -Z	34	-
	D.59-LE71MB.							
1.3 ... 10.9	560	239.7	0.8	0.8	2KJ8205-2CG	■ ■ -5 ■ Q1 -Z	30	-
1.4 ... 12	510	217.91	0.88	0.88	2KJ8205-2CG	■ ■ -5 ■ P1 -Z	30	-
1.6 ... 14	435	186.43	1	1	2KJ8205-2CG	■ ■ -5 ■ N1 -Z	30	-
1.8 ... 15.4	395	169.48	1.1	1.1	2KJ8205-2CG	■ ■ -5 ■ M1 -Z	30	-
2 ... 17.4	350	149.81	1.3	1.3	2KJ8205-2CG	■ ■ -5 ■ L1 -Z	30	-
2.2 ... 19.2	315	136.19	1.4	1.4	2KJ8205-2CG	■ ■ -5 ■ K1 -Z	30	-
2.5 ... 22	275	119.3	1.6	1.6	2KJ8205-2CG	■ ■ -5 ■ J1 -Z	30	-
2.7 ... 24	255	110.12	1.7	1.7	2KJ8205-2CG	■ ■ -5 ■ H1 -Z	30	-
3.1 ... 27	225	97.5	2	2	2KJ8205-2CG	■ ■ -5 ■ G1 -Z	30	-
3.7 ... 32	190	81.15	2.4	2.4	2KJ8205-2CG	■ ■ -5 ■ F1 -Z	30	-
3.9 ... 34	179	76.38	2.5	2.5	2KJ8205-2CG	■ ■ -5 ■ E1 -Z	30	-
4.4 ... 38	160	68.43	2.8	2.8	2KJ8205-2CG	■ ■ -5 ■ D1 -Z	30	-
	D.49-LE71MB.							
1.8 ... 15.3	395	170.57	0.8	0.8	2KJ8204-2CG	■ ■ -5 ■ N1 -Z	27	-
1.9 ... 16.8	360	155.06	0.88	0.88	2KJ8204-2CG	■ ■ -5 ■ M1 -Z	27	-
2.2 ... 19	320	137.06	1	1	2KJ8204-2CG	■ ■ -5 ■ L1 -Z	27	-
2.4 ... 21	290	124.6	1.1	1.1	2KJ8204-2CG	■ ■ -5 ■ K1 -Z	27	-
2.7 ... 24	255	109.14	1.3	1.3	2KJ8204-2CG	■ ■ -5 ■ J1 -Z	27	-
3 ... 26	235	100.75	1.4	1.4	2KJ8204-2CG	■ ■ -5 ■ H1 -Z	27	-
3.4 ... 29	205	89.2	1.5	1.5	2KJ8204-2CG	■ ■ -5 ■ G1 -Z	27	-
4 ... 35	174	74.24	1.8	1.8	2KJ8204-2CG	■ ■ -5 ■ F1 -Z	27	-
4.3 ... 37	164	69.88	2	2	2KJ8204-2CG	■ ■ -5 ■ E1 -Z	27	-
4.8 ... 42	147	62.61	2.2	2.2	2KJ8204-2CG	■ ■ -5 ■ D1 -Z	27	-
	Z.49-LE71MB.							
5.8 ... 50	122	52.14	2.6	2.6	2KJ8104-2CG	■ ■ -5 ■ B2 -Z	27	-
6.3 ... 55	111	47.4	2.9	2.9	2KJ8104-2CG	■ ■ -5 ■ A2 -Z	27	-
	D.39-LE71MB.							
3 ... 26	235	100.44	0.85	0.85	2KJ8203-2CG	■ ■ -5 ■ J1 -Z	17	-
3.4 ... 29	210	89.51	0.95	0.95	2KJ8203-2CG	■ ■ -5 ■ H1 -Z	17	-
3.6 ... 32	193	82.63	1	1	2KJ8203-2CG	■ ■ -5 ■ G1 -Z	17	-
4.1 ... 36	169	72.34	1.2	1.2	2KJ8203-2CG	■ ■ -5 ■ F1 -Z	17	-
4.7 ... 41	149	63.43	1.3	1.3	2KJ8203-2CG	■ ■ -5 ■ E1 -Z	17	-
	Z.39-LE71MB.							
5.4 ... 47	131	55.95	1.5	1.5	2KJ8103-2CG	■ ■ -5 ■ A2 -Z	17	-

Article No. supplements		Order code		Order code
Motor temperature sensor	without with Pt1000	0 1		0 1
Motor brake (brake voltage 180 V DC)	without with see page 5/2	0 1, 2 or 3		0 1, 2 or 3
Converter fieldbus communication	see page 5/2	B, C, D, E, F or G		B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...		...+...

Selection and ordering data

Control range 1:8.7

Innomotics SG G115D · Control range 1:8.7 / Motor speed range 300 ... 2610 rpm														
P _N	n ₂	T ₂	i	f _B	Geared motors with asynchronous motors IE3				Geared motors with synchronous reluctance motors IE4					
					Article No. (Article No. supplements see below)				m	Article No. (Article No. supplements see below)		m		
kW	rpm	Nm	-	-					kg			kg		
0.64	Z.39-LE71MB.													
	6 ... 52	117	49.75	1.7	2KJ8103-2CG	■ ■ ■ -5	■ X1	-Z	17	-	-			
	6.9 ... 60	102	43.68	2	2KJ8103-2CG	■ ■ ■ -5	■ W1	-Z	17	-	-			
	7.6 ... 66	93	39.71	2.2	2KJ8103-2CG	■ ■ ■ -5	■ V1	-Z	17	-	-			
	8.8 ... 77	80	33.97	2.5	2KJ8103-2CG	■ ■ ■ -5	■ U1	-Z	17	-	-			
	9.7 ... 85	72	30.88	2.8	2KJ8103-2CG	■ ■ ■ -5	■ T1	-Z	17	-	-			
	11 ... 96	64	27.3	3.1	2KJ8103-2CG	■ ■ ■ -5	■ S1	-Z	17	-	-			
	12.1 ... 105	58	24.82	3.4	2KJ8103-2CG	■ ■ ■ -5	■ R1	-Z	17	-	-			
	D.29-LE71MB.													
	4.6 ... 40	153	65.52	0.91	2KJ8202-2CG	■ ■ ■ -5	■ E1	-Z	16	-	-			
5.3 ... 46	133	56.93	1.1	2KJ8202-2CG	■ ■ ■ -5	■ D1	-Z	16	-	-				
5.8 ... 51	120	51.4	1.2	2KJ8202-2CG	■ ■ ■ -5	■ C1	-Z	16	-	-				
6.2 ... 54	113	48.37	1.2	2KJ8202-2CG	■ ■ ■ -5	■ B1	-Z	16	-	-				
Z.29-LE71MB.														
7.2 ... 63	97	41.4	1.4	2KJ8102-2CG	■ ■ ■ -5	■ A2	-Z	16	-	-				
8.2 ... 71	86	36.72	1.6	2KJ8102-2CG	■ ■ ■ -5	■ X1	-Z	16	-	-				
9.4 ... 82	75	31.86	1.9	2KJ8102-2CG	■ ■ ■ -5	■ W1	-Z	16	-	-				
10.4 ... 90	68	28.96	2.1	2KJ8102-2CG	■ ■ ■ -5	■ V1	-Z	16	-	-				
12.1 ... 105	58	24.84	2.4	2KJ8102-2CG	■ ■ ■ -5	■ U1	-Z	16	-	-				
13.3 ... 116	53	22.58	2.6	2KJ8102-2CG	■ ■ ■ -5	■ T1	-Z	16	-	-				
15.2 ... 132	46	19.8	3	2KJ8102-2CG	■ ■ ■ -5	■ S1	-Z	16	-	-				
17 ... 148	41	17.67	3.4	2KJ8102-2CG	■ ■ ■ -5	■ R1	-Z	16	-	-				
21 ... 180	34	14.54	3.5	2KJ8102-2CG	■ ■ ■ -5	■ P1	-Z	16	-	-				
D.19-LE71MB.														
6.2 ... 54	113	48.3	0.88	2KJ8201-2CG	■ ■ ■ -5	■ D1	-Z	14	-	-				
6.9 ... 60	102	43.61	0.98	2KJ8201-2CG	■ ■ ■ -5	■ C1	-Z	14	-	-				
7.3 ... 64	96	41.04	1	2KJ8201-2CG	■ ■ ■ -5	■ B1	-Z	14	-	-				
Z.19-LE71MB.														
8.6 ... 75	82	34.97	1.2	2KJ8101-2CG	■ ■ ■ -5	■ W1	-Z	14	-	-				
9.7 ... 84	72	30.97	1.4	2KJ8101-2CG	■ ■ ■ -5	■ V1	-Z	14	-	-				
11.1 ... 97	63	26.91	1.6	2KJ8101-2CG	■ ■ ■ -5	■ U1	-Z	14	-	-				
12.3 ... 107	57	24.46	1.7	2KJ8101-2CG	■ ■ ■ -5	■ T1	-Z	14	-	-				
14.4 ... 125	49	20.82	2.1	2KJ8101-2CG	■ ■ ■ -5	■ S1	-Z	14	-	-				
15.9 ... 138	44	18.92	2.3	2KJ8101-2CG	■ ■ ■ -5	■ R1	-Z	14	-	-				
18.2 ... 158	39	16.5	2.6	2KJ8101-2CG	■ ■ ■ -5	■ Q1	-Z	14	-	-				
20 ... 177	35	14.77	2.7	2KJ8101-2CG	■ ■ ■ -5	■ P1	-Z	14	-	-				
23 ... 199	31	13.12	3	2KJ8101-2CG	■ ■ ■ -5	■ N1	-Z	14	-	-				
25 ... 216	28	12.11	3.1	2KJ8101-2CG	■ ■ ■ -5	■ M1	-Z	14	-	-				
29 ... 248	25	10.52	3.4	2KJ8101-2CG	■ ■ ■ -5	■ L1	-Z	14	-	-				
33 ... 286	21	9.14	3.6	2KJ8101-2CG	■ ■ ■ -5	■ K1	-Z	14	-	-				
36 ... 316	19	8.25	3.8	2KJ8101-2CG	■ ■ ■ -5	■ J1	-Z	14	-	-				
39 ... 336	18	7.76	4	2KJ8101-2CG	■ ■ ■ -5	■ H1	-Z	14	-	-				
48 ... 418	15	6.25	3.8	2KJ8101-2CG	■ ■ ■ -5	■ F1	-Z	14	-	-				
55 ... 481	13	5.43	4.2	2KJ8101-2CG	■ ■ ■ -5	■ E1	-Z	14	-	-				
E.49-LE71MB.														
31 ... 269	23	9.7	3.8	2KJ8002-2CG	■ ■ ■ -5	■ S1	-Z	23	-	-				
E.39-LE71MB.														
33 ... 283	22	9.22	1.4	2KJ8001-2CG	■ ■ ■ -5	■ S1	-Z	18	-	-				
37 ... 318	19	8.2	1.8	2KJ8001-2CG	■ ■ ■ -5	■ R1	-Z	18	-	-				
42 ... 362	17	7.2	2.4	2KJ8001-2CG	■ ■ ■ -5	■ Q1	-Z	18	-	-				
46 ... 398	15	6.55	2.6	2KJ8001-2CG	■ ■ ■ -5	■ P1	-Z	18	-	-				
54 ... 466	13	5.6	3.1	2KJ8001-2CG	■ ■ ■ -5	■ N1	-Z	18	-	-				
59 ... 513	12	5.09	3.4	2KJ8001-2CG	■ ■ ■ -5	■ M1	-Z	18	-	-				
0.95	D.89-LE80MA.													
	0.96 ... 8.4	1080	311.6	1.6	2KJ8208-2EB	■ ■ ■ -5	■ S1	-Z	72	2KJ8208-4EC	■ ■ ■ -5	■ S1	-Z	72
	1.1 ... 9.2	985	283.28	1.7	2KJ8208-2EB	■ ■ ■ -5	■ R1	-Z	72	2KJ8208-4EC	■ ■ ■ -5	■ R1	-Z	72
	1.2 ... 10.3	880	254.09	1.9	2KJ8208-2EB	■ ■ ■ -5	■ Q1	-Z	72	2KJ8208-4EC	■ ■ ■ -5	■ Q1	-Z	72
	1.3 ... 11.4	790	228.45	2.1	2KJ8208-2EB	■ ■ ■ -5	■ P1	-Z	72	2KJ8208-4EC	■ ■ ■ -5	■ P1	-Z	72
1.5 ... 12.6	715	206.62	2.3	2KJ8208-2EB	■ ■ ■ -5	■ N1	-Z	72	2KJ8208-4EC	■ ■ ■ -5	■ N1	-Z	72	
Article No. supplements														
Motor temperature sensor		without	0							0				
		with Pt1000	1							1				
Motor brake		without	0							0				
(brake voltage 180 V DC)		with see page 5/2	1, 2 or 3							1, 2 or 3				
Converter fieldbus communication		see page 5/2	B, C, D, E, F or G							B, C, D, E, F or G				
Special versions		see Chapter 4 „Additional Order options“				

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Helical geared motors

Selection and ordering data

Control range 1:8.7

Innomotics SG G115D · Control range 1:8.7 / Motor speed range 300 ... 2610 rpm										
P _N kW	n ₂ rpm	T ₂ Nm	i	f _B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
					Article No. (Article No. supplements see below)	m kg		Article No. (Article No. supplements see below)	m kg	
0.95	D.89-LE80MA.									
	1.6 ... 13.7	660	190.73	2.5	2KJ8208-2EB	■ ■ -5 ■ M1 -Z	72	2KJ8208-4EC	■ ■ -5 ■ M1 -Z	72
	1.7 ... 14.9	605	174.71	2.8	2KJ8208-2EB	■ ■ -5 ■ L1 -Z	72	2KJ8208-4EC	■ ■ -5 ■ L1 -Z	72
	D.79-LE80MA.									
	1 ... 8.7	1040	300.21	0.8	2KJ8207-2EB	■ ■ -5 ■ R1 -Z	49	2KJ8207-4EC	■ ■ -5 ■ R1 -Z	49
	1.2 ... 10.2	885	255.33	0.95	2KJ8207-2EB	■ ■ -5 ■ Q1 -Z	49	2KJ8207-4EC	■ ■ -5 ■ Q1 -Z	49
	1.3 ... 11.2	805	232.12	1	2KJ8207-2EB	■ ■ -5 ■ P1 -Z	49	2KJ8207-4EC	■ ■ -5 ■ P1 -Z	49
	1.4 ... 12.6	720	207.1	1.2	2KJ8207-2EB	■ ■ -5 ■ N1 -Z	49	2KJ8207-4EC	■ ■ -5 ■ N1 -Z	49
	1.6 ... 14.1	645	185.7	1.3	2KJ8207-2EB	■ ■ -5 ■ M1 -Z	49	2KJ8207-4EC	■ ■ -5 ■ M1 -Z	49
	1.8 ... 15.6	580	167.39	1.4	2KJ8207-2EB	■ ■ -5 ■ L1 -Z	49	2KJ8207-4EC	■ ■ -5 ■ L1 -Z	49
	1.9 ... 16.9	535	154.51	1.6	2KJ8207-2EB	■ ■ -5 ■ K1 -Z	49	2KJ8207-4EC	■ ■ -5 ■ K1 -Z	49
	2.1 ... 18.5	490	141.04	1.7	2KJ8207-2EB	■ ■ -5 ■ J1 -Z	49	2KJ8207-4EC	■ ■ -5 ■ J1 -Z	49
	2.6 ... 22	405	117.03	2.1	2KJ8207-2EB	■ ■ -5 ■ H1 -Z	49	2KJ8207-4EC	■ ■ -5 ■ H1 -Z	49
	2.7 ... 24	380	110.14	2.2	2KJ8207-2EB	■ ■ -5 ■ G1 -Z	49	2KJ8207-4EC	■ ■ -5 ■ G1 -Z	49
	2.9 ... 25	360	104.03	2.3	2KJ8207-2EB	■ ■ -5 ■ F1 -Z	49	2KJ8207-4EC	■ ■ -5 ■ F1 -Z	49
	3.4 ... 29	305	88.52	2.7	2KJ8207-2EB	■ ■ -5 ■ E1 -Z	49	2KJ8207-4EC	■ ■ -5 ■ E1 -Z	49
	4 ... 34	260	75.83	3.2	2KJ8207-2EB	■ ■ -5 ■ D1 -Z	49	2KJ8207-4EC	■ ■ -5 ■ D1 -Z	49
	D.69-LE80MA.									
	1.5 ... 13.1	690	199.47	0.87	2KJ8206-2EB	■ ■ -5 ■ N1 -Z	39	2KJ8206-4EC	■ ■ -5 ■ N1 -Z	39
	1.7 ... 14.4	630	181.33	0.95	2KJ8206-2EB	■ ■ -5 ■ M1 -Z	39	2KJ8206-4EC	■ ■ -5 ■ M1 -Z	39
	1.9 ... 16.3	555	160.29	1.1	2KJ8206-2EB	■ ■ -5 ■ L1 -Z	39	2KJ8206-4EC	■ ■ -5 ■ L1 -Z	39
	2.1 ... 17.9	505	145.71	1.2	2KJ8206-2EB	■ ■ -5 ■ K1 -Z	39	2KJ8206-4EC	■ ■ -5 ■ K1 -Z	39
	2.4 ... 20	440	127.63	1.4	2KJ8206-2EB	■ ■ -5 ■ J1 -Z	39	2KJ8206-4EC	■ ■ -5 ■ J1 -Z	39
	2.5 ... 22	410	117.82	1.5	2KJ8206-2EB	■ ■ -5 ■ H1 -Z	39	2KJ8206-4EC	■ ■ -5 ■ H1 -Z	39
	2.9 ... 25	360	104.31	1.7	2KJ8206-2EB	■ ■ -5 ■ G1 -Z	39	2KJ8206-4EC	■ ■ -5 ■ G1 -Z	39
	3.5 ... 30	300	86.82	2	2KJ8206-2EB	■ ■ -5 ■ F1 -Z	39	2KJ8206-4EC	■ ■ -5 ■ F1 -Z	39
	3.7 ... 32	280	81.71	2.1	2KJ8206-2EB	■ ■ -5 ■ E1 -Z	39	2KJ8206-4EC	■ ■ -5 ■ E1 -Z	39
	4.1 ... 36	255	73.22	2.4	2KJ8206-2EB	■ ■ -5 ■ D1 -Z	39	2KJ8206-4EC	■ ■ -5 ■ D1 -Z	39
	Z.69-LE80MA.									
	4.9 ... 43	210	60.97	2.8	2KJ8106-2EB	■ ■ -5 ■ A2 -Z	38	2KJ8106-4EC	■ ■ -5 ■ A2 -Z	38
	5.4 ... 47	193	55.43	3.1	2KJ8106-2EB	■ ■ -5 ■ X1 -Z	38	2KJ8106-4EC	■ ■ -5 ■ X1 -Z	38
	D.59-LE80MA.									
	2 ... 17.4	520	149.81	0.86	2KJ8205-2EB	■ ■ -5 ■ L1 -Z	34	2KJ8205-4EC	■ ■ -5 ■ L1 -Z	34
	2.2 ... 19.2	470	136.19	0.95	2KJ8205-2EB	■ ■ -5 ■ K1 -Z	34	2KJ8205-4EC	■ ■ -5 ■ K1 -Z	34
	2.5 ... 22	415	119.3	1.1	2KJ8205-2EB	■ ■ -5 ■ J1 -Z	34	2KJ8205-4EC	■ ■ -5 ■ J1 -Z	34
2.7 ... 24	380	110.12	1.2	2KJ8205-2EB	■ ■ -5 ■ H1 -Z	34	2KJ8205-4EC	■ ■ -5 ■ H1 -Z	34	
3.1 ... 27	335	97.5	1.3	2KJ8205-2EB	■ ■ -5 ■ G1 -Z	34	2KJ8205-4EC	■ ■ -5 ■ G1 -Z	34	
3.7 ... 32	280	81.15	1.6	2KJ8205-2EB	■ ■ -5 ■ F1 -Z	34	2KJ8205-4EC	■ ■ -5 ■ F1 -Z	34	
3.9 ... 34	265	76.38	1.7	2KJ8205-2EB	■ ■ -5 ■ E1 -Z	34	2KJ8205-4EC	■ ■ -5 ■ E1 -Z	34	
4.4 ... 38	235	68.43	1.9	2KJ8205-2EB	■ ■ -5 ■ D1 -Z	34	2KJ8205-4EC	■ ■ -5 ■ D1 -Z	34	
Z.59-LE80MA.										
5.3 ... 46	198	56.99	2.3	2KJ8105-2EB	■ ■ -5 ■ A2 -Z	34	2KJ8105-4EC	■ ■ -5 ■ A2 -Z	34	
5.8 ... 50	180	51.81	2.5	2KJ8105-2EB	■ ■ -5 ■ X1 -Z	34	2KJ8105-4EC	■ ■ -5 ■ X1 -Z	34	
6.8 ... 59	153	44.06	2.9	2KJ8105-2EB	■ ■ -5 ■ W1 -Z	34	2KJ8105-4EC	■ ■ -5 ■ W1 -Z	34	
7.5 ... 65	139	40.06	3.2	2KJ8105-2EB	■ ■ -5 ■ V1 -Z	34	2KJ8105-4EC	■ ■ -5 ■ V1 -Z	34	
D.49-LE80MA.										
2.7 ... 24	375	109.14	0.84	2KJ8204-2EB	■ ■ -5 ■ J1 -Z	32	2KJ8204-4EC	■ ■ -5 ■ J1 -Z	32	
3 ... 26	350	100.75	0.91	2KJ8204-2EB	■ ■ -5 ■ H1 -Z	32	2KJ8204-4EC	■ ■ -5 ■ H1 -Z	32	
3.4 ... 29	310	89.2	1	2KJ8204-2EB	■ ■ -5 ■ G1 -Z	32	2KJ8204-4EC	■ ■ -5 ■ G1 -Z	32	
4 ... 35	255	74.24	1.2	2KJ8204-2EB	■ ■ -5 ■ F1 -Z	32	2KJ8204-4EC	■ ■ -5 ■ F1 -Z	32	
4.3 ... 37	240	69.88	1.3	2KJ8204-2EB	■ ■ -5 ■ E1 -Z	32	2KJ8204-4EC	■ ■ -5 ■ E1 -Z	32	
4.8 ... 42	215	62.61	1.5	2KJ8204-2EB	■ ■ -5 ■ D1 -Z	32	2KJ8204-4EC	■ ■ -5 ■ D1 -Z	32	
Z.49-LE80MA.										
5.8 ... 50	181	52.14	1.8	2KJ8104-2EB	■ ■ -5 ■ B2 -Z	32	2KJ8104-4EC	■ ■ -5 ■ B2 -Z	32	
6.3 ... 55	165	47.4	1.9	2KJ8104-2EB	■ ■ -5 ■ A2 -Z	32	2KJ8104-4EC	■ ■ -5 ■ A2 -Z	32	
7.4 ... 65	140	40.31	2.3	2KJ8104-2EB	■ ■ -5 ■ X1 -Z	32	2KJ8104-4EC	■ ■ -5 ■ X1 -Z	32	
8.2 ... 71	127	36.65	2.5	2KJ8104-2EB	■ ■ -5 ■ W1 -Z	32	2KJ8104-4EC	■ ■ -5 ■ W1 -Z	32	
9.2 ... 80	114	32.7	2.8	2KJ8104-2EB	■ ■ -5 ■ V1 -Z	32	2KJ8104-4EC	■ ■ -5 ■ V1 -Z	32	
10.2 ... 89	102	29.32	3.1	2KJ8104-2EB	■ ■ -5 ■ U1 -Z	32	2KJ8104-4EC	■ ■ -5 ■ U1 -Z	32	

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see page 5/2	1, 2 or 3	1, 2 or 3
Converter fieldbus communication	see page 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...	...+...

Selection and ordering data

Control range 1:8.7

Innomotics SG G115D · Control range 1:8.7 / Motor speed range 300 ... 2610 rpm										
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	Article No.	m
					(Article No. supplements see below)			(Article No. supplements see below)		
0.95	Z.49-LE80MA.									
	11.4 ... 99	92	26.43	3.5	2KJ8104-2EB	32	2KJ8104-4EC	32		
	D.39-LE80MA.									
	4.1 ... 36	250	72.34	0.8	2KJ8203-2EB	22	2KJ8203-4EC	22		
	4.7 ... 41	220	63.43	0.91	2KJ8203-2EB	22	2KJ8203-4EC	22		
	5.2 ... 45	200	57.54	1	2KJ8203-2EB	22	2KJ8203-4EC	22		
	Z.39-LE80MA.									
	6 ... 52	173	49.75	1.2	2KJ8103-2EB	21	2KJ8103-4EC	21		
	6.9 ... 60	152	43.68	1.3	2KJ8103-2EB	21	2KJ8103-4EC	21		
	7.6 ... 66	138	39.71	1.4	2KJ8103-2EB	21	2KJ8103-4EC	21		
	8.8 ... 77	118	33.97	1.7	2KJ8103-2EB	21	2KJ8103-4EC	21		
	9.7 ... 85	107	30.88	1.9	2KJ8103-2EB	21	2KJ8103-4EC	21		
	11 ... 96	95	27.3	2.1	2KJ8103-2EB	21	2KJ8103-4EC	21		
	12.1 ... 105	86	24.82	2.3	2KJ8103-2EB	21	2KJ8103-4EC	21		
	13.8 ... 120	76	21.74	2.6	2KJ8103-2EB	21	2KJ8103-4EC	21		
	14.9 ... 130	70	20.07	2.9	2KJ8103-2EB	21	2KJ8103-4EC	21		
	16.9 ... 147	62	17.77	3.2	2KJ8103-2EB	21	2KJ8103-4EC	21		
	D.29-LE80MA.									
	6.2 ... 54	168	48.37	0.83	2KJ8202-2EB	20	2KJ8202-4EC	20		
	7.1 ... 62	147	42.17	0.96	2KJ8202-2EB	20	2KJ8202-4EC	20		
	Z.29-LE80MA.									
	8.2 ... 71	128	36.72	1.1	2KJ8102-2EB	20	2KJ8102-4EC	20		
	9.4 ... 82	111	31.86	1.3	2KJ8102-2EB	20	2KJ8102-4EC	20		
	10.4 ... 90	101	28.96	1.4	2KJ8102-2EB	20	2KJ8102-4EC	20		
	12.1 ... 105	86	24.84	1.6	2KJ8102-2EB	20	2KJ8102-4EC	20		
	13.3 ... 116	78	22.58	1.8	2KJ8102-2EB	20	2KJ8102-4EC	20		
	15.2 ... 132	69	19.8	2	2KJ8102-2EB	20	2KJ8102-4EC	20		
	17 ... 148	61	17.67	2.3	2KJ8102-2EB	20	2KJ8102-4EC	20		
	19 ... 166	55	15.75	2.6	2KJ8102-2EB	20	2KJ8102-4EC	20		
	21 ... 180	50	14.54	2.4	2KJ8102-2EB	20	2KJ8102-4EC	20		
	24 ... 205	44	12.73	3.2	2KJ8102-2EB	20	2KJ8102-4EC	20		
	27 ... 234	39	11.16	3.6	2KJ8102-2EB	20	2KJ8102-4EC	20		
	43 ... 377	24	6.92	3.1	2KJ8102-2EB	20	2KJ8102-4EC	20		
	Z.19-LE80MA.									
	9.7 ... 84	108	30.97	0.93	2KJ8101-2EB	18	2KJ8101-4EC	18		
	11.1 ... 97	94	26.91	1.1	2KJ8101-2EB	18	2KJ8101-4EC	18		
	12.3 ... 107	85	24.46	1.2	2KJ8101-2EB	18	2KJ8101-4EC	18		
	14.4 ... 125	72	20.82	1.4	2KJ8101-2EB	18	2KJ8101-4EC	18		
	15.9 ... 138	66	18.92	1.5	2KJ8101-2EB	18	2KJ8101-4EC	18		
	18.2 ... 158	57	16.5	1.7	2KJ8101-2EB	18	2KJ8101-4EC	18		
	20 ... 177	51	14.77	1.9	2KJ8101-2EB	18	2KJ8101-4EC	18		
	23 ... 199	46	13.12	2	2KJ8101-2EB	18	2KJ8101-4EC	18		
	25 ... 216	42	12.11	2.1	2KJ8101-2EB	18	2KJ8101-4EC	18		
	29 ... 248	37	10.52	2.3	2KJ8101-2EB	18	2KJ8101-4EC	18		
	33 ... 286	32	9.14	2.5	2KJ8101-2EB	18	2KJ8101-4EC	18		
	36 ... 316	29	8.25	2.6	2KJ8101-2EB	18	2KJ8101-4EC	18		
	39 ... 336	27	7.76	2.7	2KJ8101-2EB	18	2KJ8101-4EC	18		
	44 ... 386	24	6.77	2.9	2KJ8101-2EB	18	2KJ8101-4EC	18		
	48 ... 418	22	6.25	2.6	2KJ8101-2EB	18	2KJ8101-4EC	18		
	55 ... 481	19	5.43	2.8	2KJ8101-2EB	18	2KJ8101-4EC	18		
	64 ... 554	16	4.71	3	2KJ8101-2EB	18	2KJ8101-4EC	18		
	70 ... 613	15	4.26	3.2	2KJ8101-2EB	18	2KJ8101-4EC	18		
	75 ... 651	14	4.01	3.3	2KJ8101-2EB	18	2KJ8101-4EC	18		
	86 ... 748	12	3.49	3.5	2KJ8101-2EB	18	2KJ8101-4EC	18		
	E.69-LE80MA.									
	32 ... 281	32	9.3	3.7	2KJ8003-2EB	35	2KJ8003-4EC	35		
	36 ... 309	29	8.45	3.6	2KJ8003-2EB	35	2KJ8003-4EC	35		
	E.49-LE80MA.									
	31 ... 269	34	9.7	2.6	2KJ8002-2EB	28	2KJ8002-4EC	28		

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see page 5/2	0 1, 2 or 3	0 1, 2 or 3
Converter fieldbus communication	see page 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...	...+...

Helical geared motors

Selection and ordering data

Control range 1:8.7

Innomotics SG G115D · Control range 1:8.7 / Motor speed range 300 ... 2610 rpm

Table with columns for motor specifications: Pn, n2, T2, i, fb, Article No., m. Rows are categorized by motor type: Z.29-LE80MB, Z.19-LE80MB, E.69-LE80MB, E.49-LE80MB, E.39-LE80MB, D.89-LE90S, D.79-LE90S.

Article No. supplements table with columns for Motor temperature sensor, Motor brake, Converter fieldbus communication, and Special versions, including order code examples.

Selection and ordering data

Control range 1:8.7

Innomatics SG G115D · Control range 1:8.7 / Motor speed range 300 ... 2610 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
					Article No. (Article No. supplements see below)	m kg		Article No. (Article No. supplements see below)	m kg	
1.9										
D.79-LE90S.										
2.9 ... 25	720	104.03	1.2	1.2	2KJ8207-2GB	52		2KJ8207-4GC	56	
3.4 ... 29	615	88.52	1.4	1.4	2KJ8207-2GB	52		2KJ8207-4GC	56	
4 ... 34	525	75.83	1.6	1.6	2KJ8207-2GB	52		2KJ8207-4GC	56	
4.5 ... 39	460	66.67	1.8	1.8	2KJ8207-2GB	52		2KJ8207-4GC	56	
Z.79-LE90S.										
5.5 ... 48	375	54.47	2.2	2.2	2KJ8107-2GB	51		2KJ8107-4GC	55	
6.1 ... 53	340	49.52	2.4	2.4	2KJ8107-2GB	51		2KJ8107-4GC	55	
6.8 ... 59	305	44.42	2.7	2.7	2KJ8107-2GB	51		2KJ8107-4GC	55	
7.5 ... 65	275	39.94	3	3	2KJ8107-2GB	51		2KJ8107-4GC	55	
8.3 ... 72	250	36.12	3.3	3.3	2KJ8107-2GB	51		2KJ8107-4GC	55	
D.69-LE90S.										
2.9 ... 25	725	104.31	0.83	0.83	2KJ8206-2GB	40		2KJ8206-4GC	44	
3.5 ... 30	600	86.82	0.99	0.99	2KJ8206-2GB	40		2KJ8206-4GC	44	
3.7 ... 32	565	81.71	1.1	1.1	2KJ8206-2GB	40		2KJ8206-4GC	44	
4.1 ... 36	505	73.22	1.2	1.2	2KJ8206-2GB	40		2KJ8206-4GC	44	
Z.69-LE90S.										
4.9 ... 43	420	60.97	1.4	1.4	2KJ8106-2GB	40		2KJ8106-4GC	44	
5.4 ... 47	385	55.43	1.6	1.6	2KJ8106-2GB	40		2KJ8106-4GC	44	
6.4 ... 55	325	47.14	1.8	1.8	2KJ8106-2GB	40		2KJ8106-4GC	44	
7 ... 61	295	42.86	2	2	2KJ8106-2GB	40		2KJ8106-4GC	44	
7.8 ... 68	265	38.24	2.3	2.3	2KJ8106-2GB	40		2KJ8106-4GC	44	
8.7 ... 76	235	34.29	2.5	2.5	2KJ8106-2GB	40		2KJ8106-4GC	44	
9.7 ... 84	215	30.9	2.8	2.8	2KJ8106-2GB	40		2KJ8106-4GC	44	
10.5 ... 91	198	28.53	3	3	2KJ8106-2GB	40		2KJ8106-4GC	44	
11.5 ... 100	181	26.04	3.3	3.3	2KJ8106-2GB	40		2KJ8106-4GC	44	
D.59-LE90S.										
3.7 ... 32	560	81.15	0.8	0.8	2KJ8205-2GB	36		2KJ8205-4GC	40	
3.9 ... 34	530	76.38	0.85	0.85	2KJ8205-2GB	36		2KJ8205-4GC	40	
4.4 ... 38	475	68.43	0.95	0.95	2KJ8205-2GB	36		2KJ8205-4GC	40	
Z.59-LE90S.										
5.3 ... 46	395	56.99	1.1	1.1	2KJ8105-2GB	35		2KJ8105-4GC	39	
5.8 ... 50	360	51.81	1.2	1.2	2KJ8105-2GB	35		2KJ8105-4GC	39	
6.8 ... 59	305	44.06	1.5	1.5	2KJ8105-2GB	35		2KJ8105-4GC	39	
7.5 ... 65	275	40.06	1.6	1.6	2KJ8105-2GB	35		2KJ8105-4GC	39	
8.4 ... 73	245	35.74	1.8	1.8	2KJ8105-2GB	35		2KJ8105-4GC	39	
9.4 ... 81	220	32.05	2	2	2KJ8105-2GB	35		2KJ8105-4GC	39	
10.4 ... 90	200	28.89	2.2	2.2	2KJ8105-2GB	35		2KJ8105-4GC	39	
11.3 ... 98	185	26.66	2.4	2.4	2KJ8105-2GB	35		2KJ8105-4GC	39	
12.3 ... 107	169	24.34	2.7	2.7	2KJ8105-2GB	35		2KJ8105-4GC	39	
14.9 ... 129	140	20.2	3.2	3.2	2KJ8105-2GB	35		2KJ8105-4GC	39	
15.8 ... 137	132	19.01	3.4	3.4	2KJ8105-2GB	35		2KJ8105-4GC	39	
16.7 ... 145	125	17.95	3.6	3.6	2KJ8105-2GB	35		2KJ8105-4GC	39	
Z.49-LE90S.										
5.8 ... 50	360	52.14	0.88	0.88	2KJ8104-2GB	33		2KJ8104-4GC	37	
6.3 ... 55	330	47.4	0.97	0.97	2KJ8104-2GB	33		2KJ8104-4GC	37	
7.4 ... 65	280	40.31	1.1	1.1	2KJ8104-2GB	33		2KJ8104-4GC	37	
8.2 ... 71	255	36.65	1.3	1.3	2KJ8104-2GB	33		2KJ8104-4GC	37	
9.2 ... 80	225	32.7	1.4	1.4	2KJ8104-2GB	33		2KJ8104-4GC	37	
10.2 ... 89	200	29.32	1.6	1.6	2KJ8104-2GB	33		2KJ8104-4GC	37	
11.4 ... 99	184	26.43	1.7	1.7	2KJ8104-2GB	33		2KJ8104-4GC	37	
12.3 ... 107	170	24.39	1.9	1.9	2KJ8104-2GB	33		2KJ8104-4GC	37	
13.5 ... 117	155	22.27	2.1	2.1	2KJ8104-2GB	33		2KJ8104-4GC	37	
16.2 ... 141	128	18.48	2.5	2.5	2KJ8104-2GB	33		2KJ8104-4GC	37	
17.3 ... 150	121	17.39	2.6	2.6	2KJ8104-2GB	33		2KJ8104-4GC	37	
18.3 ... 159	114	16.42	2.8	2.8	2KJ8104-2GB	33		2KJ8104-4GC	37	
21 ... 187	97	13.98	3.3	3.3	2KJ8104-2GB	33		2KJ8104-4GC	37	
25 ... 218	83	11.97	3.8	3.8	2KJ8104-2GB	33		2KJ8104-4GC	37	

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	
Motor brake (brake voltage 180 V DC)	without with see page 5/2	0 1	
Converter fieldbus communication	see page 5/2	1, 2 or 3	
Special versions	see Chapter 4 „Additional Order options“	B, C, D, E, F or G	...+...

Selection and ordering data

Control range 1:8.7

Innomotics SG G115D · Control range 1:8.7 / Motor speed range 300 ... 2610 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
					Article No. (Article No. supplements see below)	m kg		Article No. (Article No. supplements see below)	m kg	
1.9										
E.39-LE90L										
59 ... 513		35	5.09	1.1	2KJ8001-2GB	■ ■ -5 ■ M1 -Z	25	2KJ8001-4GC	■ ■ -5 ■ M1 -Z	29
67 ... 580		31	4.5	1.5	2KJ8001-2GB	■ ■ -5 ■ L1 -Z	25	2KJ8001-4GC	■ ■ -5 ■ L1 -Z	29
73 ... 638		28	4.09	1.7	2KJ8001-2GB	■ ■ -5 ■ K1 -Z	25	2KJ8001-4GC	■ ■ -5 ■ K1 -Z	29
84 ... 729		25	3.58	2.3	2KJ8001-2GB	■ ■ -5 ■ J1 -Z	25	2KJ8001-4GC	■ ■ -5 ■ J1 -Z	29
91 ... 789		23	3.31	2.5	2KJ8001-2GB	■ ■ -5 ■ H1 -Z	25	2KJ8001-4GC	■ ■ -5 ■ H1 -Z	29
102 ... 891		20	2.93	3.2	2KJ8001-2GB	■ ■ -5 ■ G1 -Z	25	2KJ8001-4GC	■ ■ -5 ■ G1 -Z	29
123 ... 1070		17	2.44	3.8	2KJ8001-2GB	■ ■ -5 ■ F1 -Z	25	2KJ8001-4GC	■ ■ -5 ■ F1 -Z	29
131 ... 1140		16	2.29	4.1	2KJ8001-2GB	■ ■ -5 ■ E1 -Z	25	2KJ8001-4GC	■ ■ -5 ■ E1 -Z	29
2.6										
D.89-LE90L										
1.5 ... 12.6	1960	206.62	0.85		2KJ8208-2GG	■ ■ -5 ■ N1 -Z	78	2KJ8208-4GH	■ ■ -5 ■ N1 -Z	81
1.6 ... 13.7	1810	190.73	0.93		2KJ8208-2GG	■ ■ -5 ■ M1 -Z	78	2KJ8208-4GH	■ ■ -5 ■ M1 -Z	81
1.7 ... 14.9	1660	174.71	1		2KJ8208-2GG	■ ■ -5 ■ L1 -Z	78	2KJ8208-4GH	■ ■ -5 ■ L1 -Z	81
2 ... 17.8	1390	146.59	1.2		2KJ8208-2GG	■ ■ -5 ■ K1 -Z	78	2KJ8208-4GH	■ ■ -5 ■ K1 -Z	81
2.2 ... 18.9	1310	137.97	1.3		2KJ8208-2GG	■ ■ -5 ■ J1 -Z	78	2KJ8208-4GH	■ ■ -5 ■ J1 -Z	81
2.4 ... 21	1200	126.58	1.4		2KJ8208-2GG	■ ■ -5 ■ H1 -Z	78	2KJ8208-4GH	■ ■ -5 ■ H1 -Z	81
2.7 ... 24	1050	110.57	1.6		2KJ8208-2GG	■ ■ -5 ■ G1 -Z	78	2KJ8208-4GH	■ ■ -5 ■ G1 -Z	81
3 ... 26	940	98.99	1.8		2KJ8208-2GG	■ ■ -5 ■ F1 -Z	78	2KJ8208-4GH	■ ■ -5 ■ F1 -Z	81
3.5 ... 30	820	86.56	2		2KJ8208-2GG	■ ■ -5 ■ E1 -Z	78	2KJ8208-4GH	■ ■ -5 ■ E1 -Z	81
4 ... 35	705	74.3	2.4		2KJ8208-2GG	■ ■ -5 ■ D1 -Z	78	2KJ8208-4GH	■ ■ -5 ■ D1 -Z	81
4.6 ... 40	625	65.67	2.7		2KJ8208-2GG	■ ■ -5 ■ C1 -Z	78	2KJ8208-4GH	■ ■ -5 ■ C1 -Z	81
Z.89-LE90L										
5.2 ... 46	545	57.36	3.1		2KJ8108-2GG	■ ■ -5 ■ A2 -Z	77	2KJ8108-4GH	■ ■ -5 ■ A2 -Z	80
D.79-LE90L										
2.7 ... 24	1040	110.14	0.8		2KJ8207-2GG	■ ■ -5 ■ G1 -Z	55	2KJ8207-4GH	■ ■ -5 ■ G1 -Z	58
2.9 ... 25	990	104.03	0.85		2KJ8207-2GG	■ ■ -5 ■ F1 -Z	55	2KJ8207-4GH	■ ■ -5 ■ F1 -Z	58
3.4 ... 29	840	88.52	1		2KJ8207-2GG	■ ■ -5 ■ E1 -Z	55	2KJ8207-4GH	■ ■ -5 ■ E1 -Z	58
4 ... 34	720	75.83	1.2		2KJ8207-2GG	■ ■ -5 ■ D1 -Z	55	2KJ8207-4GH	■ ■ -5 ■ D1 -Z	58
4.5 ... 39	630	66.67	1.3		2KJ8207-2GG	■ ■ -5 ■ C1 -Z	55	2KJ8207-4GH	■ ■ -5 ■ C1 -Z	58
Z.79-LE90L										
5.5 ... 48	515	54.47	1.6		2KJ8107-2GG	■ ■ -5 ■ A2 -Z	54	2KJ8107-4GH	■ ■ -5 ■ A2 -Z	57
6.1 ... 53	470	49.52	1.8		2KJ8107-2GG	■ ■ -5 ■ X1 -Z	54	2KJ8107-4GH	■ ■ -5 ■ X1 -Z	57
6.8 ... 59	420	44.42	2		2KJ8107-2GG	■ ■ -5 ■ W1 -Z	54	2KJ8107-4GH	■ ■ -5 ■ W1 -Z	57
7.5 ... 65	380	39.94	2.2		2KJ8107-2GG	■ ■ -5 ■ V1 -Z	54	2KJ8107-4GH	■ ■ -5 ■ V1 -Z	57
8.3 ... 72	340	36.12	2.4		2KJ8107-2GG	■ ■ -5 ■ U1 -Z	54	2KJ8107-4GH	■ ■ -5 ■ U1 -Z	57
9 ... 78	315	33.34	2.6		2KJ8107-2GG	■ ■ -5 ■ T1 -Z	54	2KJ8107-4GH	■ ■ -5 ■ T1 -Z	57
9.8 ... 85	290	30.54	2.9		2KJ8107-2GG	■ ■ -5 ■ S1 -Z	54	2KJ8107-4GH	■ ■ -5 ■ S1 -Z	57
11.7 ... 102	240	25.62	3.4		2KJ8107-2GG	■ ■ -5 ■ R1 -Z	54	2KJ8107-4GH	■ ■ -5 ■ R1 -Z	57
D.69-LE90L										
4.1 ... 36	695	73.22	0.86		2KJ8206-2GG	■ ■ -5 ■ D1 -Z	43	2KJ8206-4GH	■ ■ -5 ■ D1 -Z	46
Z.69-LE90L										
4.9 ... 43	580	60.97	1		2KJ8106-2GG	■ ■ -5 ■ A2 -Z	43	2KJ8106-4GH	■ ■ -5 ■ A2 -Z	46
5.4 ... 47	525	55.43	1.1		2KJ8106-2GG	■ ■ -5 ■ X1 -Z	43	2KJ8106-4GH	■ ■ -5 ■ X1 -Z	46
6.4 ... 55	445	47.14	1.3		2KJ8106-2GG	■ ■ -5 ■ W1 -Z	43	2KJ8106-4GH	■ ■ -5 ■ W1 -Z	46
7 ... 61	405	42.86	1.5		2KJ8106-2GG	■ ■ -5 ■ V1 -Z	43	2KJ8106-4GH	■ ■ -5 ■ V1 -Z	46
7.8 ... 68	360	38.24	1.6		2KJ8106-2GG	■ ■ -5 ■ U1 -Z	43	2KJ8106-4GH	■ ■ -5 ■ U1 -Z	46
8.7 ... 76	325	34.29	1.8		2KJ8106-2GG	■ ■ -5 ■ T1 -Z	43	2KJ8106-4GH	■ ■ -5 ■ T1 -Z	46
9.7 ... 84	290	30.9	2		2KJ8106-2GG	■ ■ -5 ■ S1 -Z	43	2KJ8106-4GH	■ ■ -5 ■ S1 -Z	46
10.5 ... 91	270	28.53	2.2		2KJ8106-2GG	■ ■ -5 ■ R1 -Z	43	2KJ8106-4GH	■ ■ -5 ■ R1 -Z	46
11.5 ... 100	245	26.04	2.4		2KJ8106-2GG	■ ■ -5 ■ Q1 -Z	43	2KJ8106-4GH	■ ■ -5 ■ Q1 -Z	46
13.9 ... 121	205	21.61	2.9		2KJ8106-2GG	■ ■ -5 ■ P1 -Z	43	2KJ8106-4GH	■ ■ -5 ■ P1 -Z	46
14.7 ... 128	194	20.34	3.1		2KJ8106-2GG	■ ■ -5 ■ N1 -Z	43	2KJ8106-4GH	■ ■ -5 ■ N1 -Z	46
15.6 ... 136	183	19.21	3.3		2KJ8106-2GG	■ ■ -5 ■ M1 -Z	43	2KJ8106-4GH	■ ■ -5 ■ M1 -Z	46
Z.59-LE90L										
5.3 ... 46	540	56.99	0.83		2KJ8105-2GG	■ ■ -5 ■ A2 -Z	38	2KJ8105-4GH	■ ■ -5 ■ A2 -Z	41
5.8 ... 50	490	51.81	0.91		2KJ8105-2GG	■ ■ -5 ■ X1 -Z	38	2KJ8105-4GH	■ ■ -5 ■ X1 -Z	41
6.8 ... 59	415	44.06	1.1		2KJ8105-2GG	■ ■ -5 ■ W1 -Z	38	2KJ8105-4GH	■ ■ -5 ■ W1 -Z	41
7.5 ... 65	380	40.06	1.2		2KJ8105-2GG	■ ■ -5 ■ V1 -Z	38	2KJ8105-4GH	■ ■ -5 ■ V1 -Z	41
8.4 ... 73	340	35.74	1.3		2KJ8105-2GG	■ ■ -5 ■ U1 -Z	38	2KJ8105-4GH	■ ■ -5 ■ U1 -Z	41

Article No. supplements

Motor temperature sensor	without with Pt1000	0 1
Motor brake (brake voltage 180 V DC)	without with see page 5/2	0 1, 2 or 3
Converter fieldbus communication	see page 5/2	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...

Order code

Order code

Helical geared motors

Selection and ordering data

Control range 1:8.7

Innomotics SG G115D · Control range 1:8.7 / Motor speed range 300 ... 2610 rpm										
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	Article No.	m
2.6					(Article No. supplements see below)	kg	(Article No. supplements see below)	kg	(Article No. supplements see below)	kg
Z.59-LE90L										
9.4 ... 81	90	305	32.05	1.5	2KJ8105-2GG	38	2KJ8105-4GH	38	2KJ8105-4GH	41
10.4 ... 90	80	275	28.89	1.6	2KJ8105-2GG	38	2KJ8105-4GH	38	2KJ8105-4GH	41
11.3 ... 98	98	250	26.66	1.8	2KJ8105-2GG	38	2KJ8105-4GH	38	2KJ8105-4GH	41
12.3 ... 107	107	230	24.34	1.9	2KJ8105-2GG	38	2KJ8105-4GH	38	2KJ8105-4GH	41
14.9 ... 129	129	192	20.2	2.3	2KJ8105-2GG	38	2KJ8105-4GH	38	2KJ8105-4GH	41
15.8 ... 137	137	181	19.01	2.5	2KJ8105-2GG	38	2KJ8105-4GH	38	2KJ8105-4GH	41
16.7 ... 145	145	171	17.95	2.6	2KJ8105-2GG	38	2KJ8105-4GH	38	2KJ8105-4GH	41
19.6 ... 171	171	145	15.27	3.1	2KJ8105-2GG	38	2KJ8105-4GH	38	2KJ8105-4GH	41
23 ... 199	199	125	13.09	3.6	2KJ8105-2GG	38	2KJ8105-4GH	38	2KJ8105-4GH	41
Z.49-LE90L										
7.4 ... 65	65	380	40.31	0.83	2KJ8104-2GG	36	2KJ8104-4GH	36	2KJ8104-4GH	39
8.2 ... 71	71	345	36.65	0.92	2KJ8104-2GG	36	2KJ8104-4GH	36	2KJ8104-4GH	39
9.2 ... 80	80	310	32.7	1	2KJ8104-2GG	36	2KJ8104-4GH	36	2KJ8104-4GH	39
10.2 ... 89	89	275	29.32	1.1	2KJ8104-2GG	36	2KJ8104-4GH	36	2KJ8104-4GH	39
11.4 ... 99	99	250	26.43	1.3	2KJ8104-2GG	36	2KJ8104-4GH	36	2KJ8104-4GH	39
12.3 ... 107	107	230	24.39	1.4	2KJ8104-2GG	36	2KJ8104-4GH	36	2KJ8104-4GH	39
13.5 ... 117	117	210	22.27	1.5	2KJ8104-2GG	36	2KJ8104-4GH	36	2KJ8104-4GH	39
16.2 ... 141	141	176	18.48	1.8	2KJ8104-2GG	36	2KJ8104-4GH	36	2KJ8104-4GH	39
17.3 ... 150	150	165	17.39	1.9	2KJ8104-2GG	36	2KJ8104-4GH	36	2KJ8104-4GH	39
18.3 ... 159	159	156	16.42	2	2KJ8104-2GG	36	2KJ8104-4GH	36	2KJ8104-4GH	39
21 ... 187	187	133	13.98	2.4	2KJ8104-2GG	36	2KJ8104-4GH	36	2KJ8104-4GH	39
25 ... 218	218	114	11.97	2.8	2KJ8104-2GG	36	2KJ8104-4GH	36	2KJ8104-4GH	39
28 ... 248	248	100	10.53	3.2	2KJ8104-2GG	36	2KJ8104-4GH	36	2KJ8104-4GH	39
34 ... 294	294	84	8.88	3.8	2KJ8104-2GG	36	2KJ8104-4GH	36	2KJ8104-4GH	39
Z.39-LE90L										
12.1 ... 105	105	235	24.82	0.85	2KJ8103-2GG	27	2KJ8103-4GH	27	2KJ8103-4GH	30
13.8 ... 120	120	205	21.74	0.97	2KJ8103-2GG	27	2KJ8103-4GH	27	2KJ8103-4GH	30
14.9 ... 130	130	191	20.07	1	2KJ8103-2GG	27	2KJ8103-4GH	27	2KJ8103-4GH	30
16.9 ... 147	147	169	17.77	1.2	2KJ8103-2GG	27	2KJ8103-4GH	27	2KJ8103-4GH	30
20 ... 176	176	141	14.79	1.4	2KJ8103-2GG	27	2KJ8103-4GH	27	2KJ8103-4GH	30
22 ... 188	188	132	13.92	1.4	2KJ8103-2GG	27	2KJ8103-4GH	27	2KJ8103-4GH	30
24 ... 209	209	119	12.47	1.5	2KJ8103-2GG	27	2KJ8103-4GH	27	2KJ8103-4GH	30
28 ... 246	246	101	10.62	1.7	2KJ8103-2GG	27	2KJ8103-4GH	27	2KJ8103-4GH	30
33 ... 287	287	87	9.1	1.8	2KJ8103-2GG	27	2KJ8103-4GH	27	2KJ8103-4GH	30
38 ... 333	333	75	7.84	2	2KJ8103-2GG	27	2KJ8103-4GH	27	2KJ8103-4GH	30
46 ... 404	404	62	6.46	2.4	2KJ8103-2GG	27	2KJ8103-4GH	27	2KJ8103-4GH	30
49 ... 429	429	58	6.08	2.5	2KJ8103-2GG	27	2KJ8103-4GH	27	2KJ8103-4GH	30
55 ... 479	479	52	5.45	2.7	2KJ8103-2GG	27	2KJ8103-4GH	27	2KJ8103-4GH	30
65 ... 562	562	44	4.64	2.9	2KJ8103-2GG	27	2KJ8103-4GH	27	2KJ8103-4GH	30
75 ... 656	656	38	3.98	3.2	2KJ8103-2GG	27	2KJ8103-4GH	27	2KJ8103-4GH	30
87 ... 761	761	33	3.43	3.4	2KJ8103-2GG	27	2KJ8103-4GH	27	2KJ8103-4GH	30
Z.29-LE90L										
17 ... 148	148	168	17.67	0.83	2KJ8102-2GG	26	2KJ8102-4GH	26	2KJ8102-4GH	29
19 ... 166	166	150	15.75	0.93	2KJ8102-2GG	26	2KJ8102-4GH	26	2KJ8102-4GH	29
21 ... 180	180	138	14.54	0.87	2KJ8102-2GG	26	2KJ8102-4GH	26	2KJ8102-4GH	29
24 ... 205	205	121	12.73	1.2	2KJ8102-2GG	26	2KJ8102-4GH	26	2KJ8102-4GH	29
27 ... 234	234	106	11.16	1.3	2KJ8102-2GG	26	2KJ8102-4GH	26	2KJ8102-4GH	29
30 ... 258	258	96	10.12	1.5	2KJ8102-2GG	26	2KJ8102-4GH	26	2KJ8102-4GH	29
31 ... 274	274	91	9.53	1.5	2KJ8102-2GG	26	2KJ8102-4GH	26	2KJ8102-4GH	29
36 ... 311	311	80	8.4	1.7	2KJ8102-2GG	26	2KJ8102-4GH	26	2KJ8102-4GH	29
41 ... 358	358	69	7.29	1.9	2KJ8102-2GG	26	2KJ8102-4GH	26	2KJ8102-4GH	29
43 ... 377	377	66	6.92	1.1	2KJ8102-2GG	26	2KJ8102-4GH	26	2KJ8102-4GH	29
50 ... 431	431	58	6.06	1.7	2KJ8102-2GG	26	2KJ8102-4GH	26	2KJ8102-4GH	29
56 ... 492	492	50	5.31	1.8	2KJ8102-2GG	26	2KJ8102-4GH	26	2KJ8102-4GH	29
62 ... 541	541	46	4.82	1.9	2KJ8102-2GG	26	2KJ8102-4GH	26	2KJ8102-4GH	29
66 ... 575	575	43	4.54	1.9	2KJ8102-2GG	26	2KJ8102-4GH	26	2KJ8102-4GH	29
75 ... 652	652	38	4	2	2KJ8102-2GG	26	2KJ8102-4GH	26	2KJ8102-4GH	29
86 ... 752	752	33	3.47	2.1	2KJ8102-2GG	26	2KJ8102-4GH	26	2KJ8102-4GH	29

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see page 5/2	0 1, 2 or 3	0 1, 2 or 3
Converter fieldbus communication	see page 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...	...+...

Selection and ordering data

Control range 1:8.7

Innomotics SG G115D · Control range 1:8.7 / Motor speed range 300 ... 2610 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B -	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
					Article No. (Article No. supplements see below)	m kg		Article No. (Article No. supplements see below)	m kg	
2.6										
E.89-LE90L.										
31 ... 270	92	9.67	3		2KJ8004-2GG	■ ■ -5 ■ T1 -Z	55	2KJ8004-4GH	■ ■ -5 ■ T1 -Z	58
34 ... 299	83	8.73	3.4		2KJ8004-2GG	■ ■ -5 ■ S1 -Z	55	2KJ8004-4GH	■ ■ -5 ■ S1 -Z	58
38 ... 330	75	7.92	3.7		2KJ8004-2GG	■ ■ -5 ■ R1 -Z	55	2KJ8004-4GH	■ ■ -5 ■ R1 -Z	58
41 ... 357	70	7.31	3.7		2KJ8004-2GG	■ ■ -5 ■ Q1 -Z	55	2KJ8004-4GH	■ ■ -5 ■ Q1 -Z	58
45 ... 393	63	6.64	4.1		2KJ8004-2GG	■ ■ -5 ■ P1 -Z	55	2KJ8004-4GH	■ ■ -5 ■ P1 -Z	58
57 ... 493	50	5.29	4.2		2KJ8004-2GG	■ ■ -5 ■ M1 -Z	55	2KJ8004-4GH	■ ■ -5 ■ M1 -Z	58
E.69-LE90L.										
32 ... 281	88	9.3	1.4		2KJ8003-2GG	■ ■ -5 ■ S1 -Z	39	2KJ8003-4GH	■ ■ -5 ■ S1 -Z	42
36 ... 309	80	8.45	1.3		2KJ8003-2GG	■ ■ -5 ■ R1 -Z	39	2KJ8003-4GH	■ ■ -5 ■ R1 -Z	42
40 ... 344	72	7.58	2.8		2KJ8003-2GG	■ ■ -5 ■ Q1 -Z	39	2KJ8003-4GH	■ ■ -5 ■ Q1 -Z	42
44 ... 383	65	6.82	2.6		2KJ8003-2GG	■ ■ -5 ■ P1 -Z	39	2KJ8003-4GH	■ ■ -5 ■ P1 -Z	42
49 ... 423	59	6.17	3.5		2KJ8003-2GG	■ ■ -5 ■ N1 -Z	39	2KJ8003-4GH	■ ■ -5 ■ N1 -Z	42
53 ... 459	54	5.69	3		2KJ8003-2GG	■ ■ -5 ■ M1 -Z	39	2KJ8003-4GH	■ ■ -5 ■ M1 -Z	42
58 ... 501	50	5.21	4		2KJ8003-2GG	■ ■ -5 ■ L1 -Z	39	2KJ8003-4GH	■ ■ -5 ■ L1 -Z	42
73 ... 633	39	4.12	4.2		2KJ8003-2GG	■ ■ -5 ■ J1 -Z	39	2KJ8003-4GH	■ ■ -5 ■ J1 -Z	42
E.49-LE90L.										
31 ... 269	92	9.7	0.93		2KJ8002-2GG	■ ■ -5 ■ S1 -Z	32	2KJ8002-4GH	■ ■ -5 ■ S1 -Z	35
34 ... 296	84	8.82	1.3		2KJ8002-2GG	■ ■ -5 ■ R1 -Z	32	2KJ8002-4GH	■ ■ -5 ■ R1 -Z	35
40 ... 348	71	7.5	1.5		2KJ8002-2GG	■ ■ -5 ■ Q1 -Z	32	2KJ8002-4GH	■ ■ -5 ■ Q1 -Z	35
44 ... 383	65	6.82	1.6		2KJ8002-2GG	■ ■ -5 ■ P1 -Z	32	2KJ8002-4GH	■ ■ -5 ■ P1 -Z	35
49 ... 429	58	6.08	1.8		2KJ8002-2GG	■ ■ -5 ■ N1 -Z	32	2KJ8002-4GH	■ ■ -5 ■ N1 -Z	35
55 ... 479	52	5.45	2		2KJ8002-2GG	■ ■ -5 ■ M1 -Z	32	2KJ8002-4GH	■ ■ -5 ■ M1 -Z	35
61 ... 530	47	4.92	2.2		2KJ8002-2GG	■ ■ -5 ■ L1 -Z	32	2KJ8002-4GH	■ ■ -5 ■ L1 -Z	35
66 ... 575	43	4.54	2.4		2KJ8002-2GG	■ ■ -5 ■ K1 -Z	32	2KJ8002-4GH	■ ■ -5 ■ K1 -Z	35
72 ... 630	39	4.14	2.6		2KJ8002-2GG	■ ■ -5 ■ J1 -Z	32	2KJ8002-4GH	■ ■ -5 ■ J1 -Z	35
87 ... 759	33	3.44	3.1		2KJ8002-2GG	■ ■ -5 ■ H1 -Z	32	2KJ8002-4GH	■ ■ -5 ■ H1 -Z	35
93 ... 806	31	3.24	3.3		2KJ8002-2GG	■ ■ -5 ■ G1 -Z	32	2KJ8002-4GH	■ ■ -5 ■ G1 -Z	35
98 ... 853	29	3.06	3.5		2KJ8002-2GG	■ ■ -5 ■ F1 -Z	32	2KJ8002-4GH	■ ■ -5 ■ F1 -Z	35
115 ... 1004	25	2.6	4.1		2KJ8002-2GG	■ ■ -5 ■ E1 -Z	32	2KJ8002-4GH	■ ■ -5 ■ E1 -Z	35
E.39-LE90L.										
59 ... 513	48	5.09	0.83		2KJ8001-2GG	■ ■ -5 ■ M1 -Z	28	2KJ8001-4GH	■ ■ -5 ■ M1 -Z	31
67 ... 580	43	4.5	1.1		2KJ8001-2GG	■ ■ -5 ■ L1 -Z	28	2KJ8001-4GH	■ ■ -5 ■ L1 -Z	31
73 ... 638	39	4.09	1.2		2KJ8001-2GG	■ ■ -5 ■ K1 -Z	28	2KJ8001-4GH	■ ■ -5 ■ K1 -Z	31
84 ... 729	34	3.58	1.7		2KJ8001-2GG	■ ■ -5 ■ J1 -Z	28	2KJ8001-4GH	■ ■ -5 ■ J1 -Z	31
91 ... 789	32	3.31	1.8		2KJ8001-2GG	■ ■ -5 ■ H1 -Z	28	2KJ8001-4GH	■ ■ -5 ■ H1 -Z	31
102 ... 891	28	2.93	2.3		2KJ8001-2GG	■ ■ -5 ■ G1 -Z	28	2KJ8001-4GH	■ ■ -5 ■ G1 -Z	31
123 ... 1070	23	2.44	2.8		2KJ8001-2GG	■ ■ -5 ■ F1 -Z	28	2KJ8001-4GH	■ ■ -5 ■ F1 -Z	31
131 ... 1140	22	2.29	3		2KJ8001-2GG	■ ■ -5 ■ E1 -Z	28	2KJ8001-4GH	■ ■ -5 ■ E1 -Z	31
3.8										
D.89-LE100LA.										
2 ... 17.8	2040	146.59	0.82		2KJ8208-2JB	■ ■ -5 ■ K1 -Z	94	-	-	-
2.2 ... 18.9	1920	137.97	0.87		2KJ8208-2JB	■ ■ -5 ■ J1 -Z	94	-	-	-
2.4 ... 21	1760	126.58	0.95		2KJ8208-2JB	■ ■ -5 ■ H1 -Z	94	-	-	-
2.7 ... 24	1540	110.57	1.1		2KJ8208-2JB	■ ■ -5 ■ G1 -Z	94	-	-	-
3 ... 26	1380	98.99	1.2		2KJ8208-2JB	■ ■ -5 ■ F1 -Z	94	-	-	-
3.5 ... 30	1200	86.56	1.4		2KJ8208-2JB	■ ■ -5 ■ E1 -Z	94	-	-	-
4 ... 35	1030	74.3	1.6		2KJ8208-2JB	■ ■ -5 ■ D1 -Z	94	-	-	-
4.6 ... 40	915	65.67	1.8		2KJ8208-2JB	■ ■ -5 ■ C1 -Z	94	-	-	-
D.89-LE112MA.										
2 ... 17.8	2040	146.59	0.82	-	-	-	-	2KJ8208-4LC	■ ■ -5 ■ K1 -Z	97
2.2 ... 18.9	1920	137.97	0.87	-	-	-	-	2KJ8208-4LC	■ ■ -5 ■ J1 -Z	97
2.4 ... 21	1760	126.58	0.95	-	-	-	-	2KJ8208-4LC	■ ■ -5 ■ H1 -Z	97
2.7 ... 24	1540	110.57	1.1	-	-	-	-	2KJ8208-4LC	■ ■ -5 ■ G1 -Z	97
3 ... 26	1380	98.99	1.2	-	-	-	-	2KJ8208-4LC	■ ■ -5 ■ F1 -Z	97
3.5 ... 30	1200	86.56	1.4	-	-	-	-	2KJ8208-4LC	■ ■ -5 ■ E1 -Z	97
4 ... 35	1030	74.3	1.6	-	-	-	-	2KJ8208-4LC	■ ■ -5 ■ D1 -Z	97
4.6 ... 40	915	65.67	1.8	-	-	-	-	2KJ8208-4LC	■ ■ -5 ■ C1 -Z	97
Z.89-LE112MA.										
5.2 ... 46	800	57.36	2.1	-	-	-	-	2KJ8108-4LC	■ ■ -5 ■ A2 -Z	96

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	
Motor brake (brake voltage 180 V DC)	without with see page 5/2	0 1, 2 or 3	
Converter fieldbus communication	see page 5/2	B, C, D, E, F or G	
Special versions	see Chapter 4 „Additional Order options“	...+...	

Helical geared motors

Selection and ordering data

Control range 1:8.7

Innomotics SG G115D · Control range 1:8.7 / Motor speed range 300 ... 2610 rpm										
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
kW	rpm	Nm	-	-	Article No. (Article No. supplements see below)			Article No. (Article No. supplements see below)		
					m		m		m	
					kg		kg		kg	
3.8										
Z.89-LE112MA.										
5.8 ... 50	720	51.78	2.3	-	-	-	-	2KJ8108-4LC	■ ■ -5 ■ X1 -Z	96
6.4 ... 56	655	46.97	2.6	-	-	-	-	2KJ8108-4LC	■ ■ -5 ■ W1 -Z	96
6.9 ... 60	600	43.36	2.8	-	-	-	-	2KJ8108-4LC	■ ■ -5 ■ V1 -Z	96
7.6 ... 66	545	39.41	3.1	-	-	-	-	2KJ8108-4LC	■ ■ -5 ■ U1 -Z	96
Z.89-LE100LA.										
5.2 ... 46	800	57.36	2.1	-	2KJ8108-2JB	■ ■ -5 ■ A2 -Z	93	-	-	-
5.8 ... 50	720	51.78	2.3	-	2KJ8108-2JB	■ ■ -5 ■ X1 -Z	93	-	-	-
6.4 ... 56	655	46.97	2.6	-	2KJ8108-2JB	■ ■ -5 ■ W1 -Z	93	-	-	-
6.9 ... 60	600	43.36	2.8	-	2KJ8108-2JB	■ ■ -5 ■ V1 -Z	93	-	-	-
7.6 ... 66	545	39.41	3.1	-	2KJ8108-2JB	■ ■ -5 ■ U1 -Z	93	-	-	-
D.79-LE100LA.										
4.5 ... 39	925	66.67	0.9	-	2KJ8207-2JB	■ ■ -5 ■ C1 -Z	71	-	-	-
5.3 ... 46	780	56.25	1.1	-	2KJ8207-2JB	■ ■ -5 ■ B1 -Z	71	-	-	-
6.1 ... 53	680	49.02	1.2	-	2KJ8207-2JB	■ ■ -5 ■ A1 -Z	71	-	-	-
D.79-LE112MA.										
4.5 ... 39	925	66.67	0.9	-	-	-	-	2KJ8207-4LC	■ ■ -5 ■ C1 -Z	75
5.3 ... 46	780	56.25	1.1	-	-	-	-	2KJ8207-4LC	■ ■ -5 ■ B1 -Z	75
6.1 ... 53	680	49.02	1.2	-	-	-	-	2KJ8207-4LC	■ ■ -5 ■ A1 -Z	75
Z.79-LE112MA.										
6.8 ... 59	615	44.42	1.4	-	-	-	-	2KJ8107-4LC	■ ■ -5 ■ W1 -Z	74
7.5 ... 65	555	39.94	1.5	-	-	-	-	2KJ8107-4LC	■ ■ -5 ■ V1 -Z	74
8.3 ... 72	500	36.12	1.7	-	-	-	-	2KJ8107-4LC	■ ■ -5 ■ U1 -Z	74
9 ... 78	465	33.34	1.8	-	-	-	-	2KJ8107-4LC	■ ■ -5 ■ T1 -Z	74
9.8 ... 85	425	30.54	2	-	-	-	-	2KJ8107-4LC	■ ■ -5 ■ S1 -Z	74
11.7 ... 102	355	25.62	2.4	-	-	-	-	2KJ8107-4LC	■ ■ -5 ■ R1 -Z	74
12.4 ... 108	335	24.12	2.5	-	-	-	-	2KJ8107-4LC	■ ■ -5 ■ Q1 -Z	74
13.6 ... 118	305	22.13	2.7	-	-	-	-	2KJ8107-4LC	■ ■ -5 ■ P1 -Z	74
15.5 ... 135	265	19.33	3.1	-	-	-	-	2KJ8107-4LC	■ ■ -5 ■ N1 -Z	74
17.3 ... 151	240	17.31	3.5	-	-	-	-	2KJ8107-4LC	■ ■ -5 ■ M1 -Z	74
Z.79-LE100LA.										
6.8 ... 59	615	44.42	1.4	-	2KJ8107-2JB	■ ■ -5 ■ W1 -Z	70	-	-	-
7.5 ... 65	555	39.94	1.5	-	2KJ8107-2JB	■ ■ -5 ■ V1 -Z	70	-	-	-
8.3 ... 72	500	36.12	1.7	-	2KJ8107-2JB	■ ■ -5 ■ U1 -Z	70	-	-	-
9 ... 78	465	33.34	1.8	-	2KJ8107-2JB	■ ■ -5 ■ T1 -Z	70	-	-	-
9.8 ... 85	425	30.54	2	-	2KJ8107-2JB	■ ■ -5 ■ S1 -Z	70	-	-	-
11.7 ... 102	355	25.62	2.4	-	2KJ8107-2JB	■ ■ -5 ■ R1 -Z	70	-	-	-
12.4 ... 108	335	24.12	2.5	-	2KJ8107-2JB	■ ■ -5 ■ Q1 -Z	70	-	-	-
13.6 ... 118	305	22.13	2.7	-	2KJ8107-2JB	■ ■ -5 ■ P1 -Z	70	-	-	-
15.5 ... 135	265	19.33	3.1	-	2KJ8107-2JB	■ ■ -5 ■ N1 -Z	70	-	-	-
17.3 ... 151	240	17.31	3.5	-	2KJ8107-2JB	■ ■ -5 ■ M1 -Z	70	-	-	-
D.69-LE100LA.										
5.6 ... 49	745	53.43	0.81	-	2KJ8206-2JB	■ ■ -5 ■ B1 -Z	61	-	-	-
6.5 ... 57	640	46.01	0.94	-	2KJ8206-2JB	■ ■ -5 ■ A1 -Z	61	-	-	-
D.69-LE112MA.										
5.6 ... 49	745	53.43	0.81	-	-	-	-	2KJ8206-4LC	■ ■ -5 ■ B1 -Z	65
6.5 ... 57	640	46.01	0.94	-	-	-	-	2KJ8206-4LC	■ ■ -5 ■ A1 -Z	65
Z.69-LE100LA.										
7.8 ... 68	530	38.24	1.1	-	2KJ8106-2JB	■ ■ -5 ■ U1 -Z	61	-	-	-
8.7 ... 76	475	34.29	1.3	-	2KJ8106-2JB	■ ■ -5 ■ T1 -Z	61	-	-	-
9.7 ... 84	430	30.9	1.4	-	2KJ8106-2JB	■ ■ -5 ■ S1 -Z	61	-	-	-
10.5 ... 91	395	28.53	1.5	-	2KJ8106-2JB	■ ■ -5 ■ R1 -Z	61	-	-	-
11.5 ... 100	360	26.04	1.7	-	2KJ8106-2JB	■ ■ -5 ■ Q1 -Z	61	-	-	-
13.9 ... 121	300	21.61	2	-	2KJ8106-2JB	■ ■ -5 ■ P1 -Z	61	-	-	-
14.7 ... 128	280	20.34	2.1	-	2KJ8106-2JB	■ ■ -5 ■ N1 -Z	61	-	-	-
15.6 ... 136	265	19.21	2.2	-	2KJ8106-2JB	■ ■ -5 ■ M1 -Z	61	-	-	-
18.4 ... 160	225	16.34	2.6	-	2KJ8106-2JB	■ ■ -5 ■ L1 -Z	61	-	-	-
21 ... 186	195	14	3.1	-	2KJ8106-2JB	■ ■ -5 ■ K1 -Z	61	-	-	-
24 ... 212	172	12.31	3.5	-	2KJ8106-2JB	■ ■ -5 ■ J1 -Z	61	-	-	-
Article No. supplements										
Motor temperature sensor		without	0			Order code				Order code
		with Pt1000	1							
Motor brake		without	0							
(brake voltage 180 V DC)		with see page 5/2	1, 2 or 3	B, C, D, E, F or G						
Converter fieldbus communication		see page 5/2								
Special versions		see Chapter 4 „Additional Order options“								

5

Selection and ordering data

Control range 1:8.7

Innomatics SG G115D · Control range 1:8.7 / Motor speed range 300 ... 2610 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
					Article No. (Article No. supplements see below)	m kg		Article No. (Article No. supplements see below)	m kg	
3.8	Z.69-LE100LA.									
35 ... 307	118		8.5	3.8	2KJ8106-2JB	■ ■ -5 ■ F1 -Z	61	-	-	-
Z.69-LE112MA.										
7.8 ... 68	530	530	38.24	1.1	-	-	-	2KJ8106-4LC	■ ■ -5 ■ U1 -Z	65
8.7 ... 76	475	475	34.29	1.3	-	-	-	2KJ8106-4LC	■ ■ -5 ■ T1 -Z	65
9.7 ... 84	430	430	30.9	1.4	-	-	-	2KJ8106-4LC	■ ■ -5 ■ S1 -Z	65
10.5 ... 91	395	395	28.53	1.5	-	-	-	2KJ8106-4LC	■ ■ -5 ■ R1 -Z	65
11.5 ... 100	360	360	26.04	1.7	-	-	-	2KJ8106-4LC	■ ■ -5 ■ Q1 -Z	65
13.9 ... 121	300	300	21.61	2	-	-	-	2KJ8106-4LC	■ ■ -5 ■ P1 -Z	65
14.7 ... 128	280	280	20.34	2.1	-	-	-	2KJ8106-4LC	■ ■ -5 ■ N1 -Z	65
15.6 ... 136	265	265	19.21	2.2	-	-	-	2KJ8106-4LC	■ ■ -5 ■ M1 -Z	65
18.4 ... 160	225	225	16.34	2.6	-	-	-	2KJ8106-4LC	■ ■ -5 ■ L1 -Z	65
21 ... 186	195	195	14	3.1	-	-	-	2KJ8106-4LC	■ ■ -5 ■ K1 -Z	65
24 ... 212	172	172	12.31	3.5	-	-	-	2KJ8106-4LC	■ ■ -5 ■ J1 -Z	65
35 ... 307	118	118	8.5	3.8	-	-	-	2KJ8106-4LC	■ ■ -5 ■ F1 -Z	65
Z.59-LE100LA.										
8.4 ... 73	495	495	35.74	0.9	2KJ8105-2JB	■ ■ -5 ■ U1 -Z	56	-	-	-
9.4 ... 81	445	445	32.05	1	2KJ8105-2JB	■ ■ -5 ■ T1 -Z	56	-	-	-
10.4 ... 90	400	400	28.89	1.1	2KJ8105-2JB	■ ■ -5 ■ S1 -Z	56	-	-	-
11.3 ... 98	370	370	26.66	1.2	2KJ8105-2JB	■ ■ -5 ■ R1 -Z	56	-	-	-
12.3 ... 107	335	335	24.34	1.3	2KJ8105-2JB	■ ■ -5 ■ Q1 -Z	56	-	-	-
14.9 ... 129	280	280	20.2	1.6	2KJ8105-2JB	■ ■ -5 ■ P1 -Z	56	-	-	-
15.8 ... 137	265	265	19.01	1.7	2KJ8105-2JB	■ ■ -5 ■ N1 -Z	56	-	-	-
16.7 ... 145	250	250	17.95	1.8	2KJ8105-2JB	■ ■ -5 ■ M1 -Z	56	-	-	-
19.6 ... 171	210	210	15.27	2.1	2KJ8105-2JB	■ ■ -5 ■ L1 -Z	56	-	-	-
23 ... 199	182	182	13.09	2.5	2KJ8105-2JB	■ ■ -5 ■ K1 -Z	56	-	-	-
26 ... 227	160	160	11.51	2.8	2KJ8105-2JB	■ ■ -5 ■ J1 -Z	56	-	-	-
31 ... 269	135	135	9.71	3.3	2KJ8105-2JB	■ ■ -5 ■ H1 -Z	56	-	-	-
35 ... 309	118	118	8.46	3.8	2KJ8105-2JB	■ ■ -5 ■ G1 -Z	56	-	-	-
37 ... 323	113	113	8.07	3.6	2KJ8105-2JB	■ ■ -5 ■ F1 -Z	56	-	-	-
Z.59-LE112MA.										
8.4 ... 73	495	495	35.74	0.9	-	-	-	2KJ8105-4LC	■ ■ -5 ■ U1 -Z	60
9.4 ... 81	445	445	32.05	1	-	-	-	2KJ8105-4LC	■ ■ -5 ■ T1 -Z	60
10.4 ... 90	400	400	28.89	1.1	-	-	-	2KJ8105-4LC	■ ■ -5 ■ S1 -Z	60
11.3 ... 98	370	370	26.66	1.2	-	-	-	2KJ8105-4LC	■ ■ -5 ■ R1 -Z	60
12.3 ... 107	335	335	24.34	1.3	-	-	-	2KJ8105-4LC	■ ■ -5 ■ Q1 -Z	60
14.9 ... 129	280	280	20.2	1.6	-	-	-	2KJ8105-4LC	■ ■ -5 ■ P1 -Z	60
15.8 ... 137	265	265	19.01	1.7	-	-	-	2KJ8105-4LC	■ ■ -5 ■ N1 -Z	60
16.7 ... 145	250	250	17.95	1.8	-	-	-	2KJ8105-4LC	■ ■ -5 ■ M1 -Z	60
19.6 ... 171	210	210	15.27	2.1	-	-	-	2KJ8105-4LC	■ ■ -5 ■ L1 -Z	60
23 ... 199	182	182	13.09	2.5	-	-	-	2KJ8105-4LC	■ ■ -5 ■ K1 -Z	60
26 ... 227	160	160	11.51	2.8	-	-	-	2KJ8105-4LC	■ ■ -5 ■ J1 -Z	60
31 ... 269	135	135	9.71	3.3	-	-	-	2KJ8105-4LC	■ ■ -5 ■ H1 -Z	60
35 ... 309	118	118	8.46	3.8	-	-	-	2KJ8105-4LC	■ ■ -5 ■ G1 -Z	60
37 ... 323	113	113	8.07	3.6	-	-	-	2KJ8105-4LC	■ ■ -5 ■ F1 -Z	60
Z.49-LE112MA.										
11.4 ... 99	365	365	26.43	0.87	-	-	-	2KJ8104-4LC	■ ■ -5 ■ T1 -Z	58
12.3 ... 107	340	340	24.39	0.94	-	-	-	2KJ8104-4LC	■ ■ -5 ■ S1 -Z	58
13.5 ... 117	310	310	22.27	1	-	-	-	2KJ8104-4LC	■ ■ -5 ■ R1 -Z	58
16.2 ... 141	255	255	18.48	1.2	-	-	-	2KJ8104-4LC	■ ■ -5 ■ Q1 -Z	58
17.3 ... 150	240	240	17.39	1.3	-	-	-	2KJ8104-4LC	■ ■ -5 ■ P1 -Z	58
18.3 ... 159	225	225	16.42	1.4	-	-	-	2KJ8104-4LC	■ ■ -5 ■ N1 -Z	58
21 ... 187	195	195	13.98	1.6	-	-	-	2KJ8104-4LC	■ ■ -5 ■ M1 -Z	58
25 ... 218	167	167	11.97	1.9	-	-	-	2KJ8104-4LC	■ ■ -5 ■ L1 -Z	58
28 ... 248	147	147	10.53	2.2	-	-	-	2KJ8104-4LC	■ ■ -5 ■ K1 -Z	58
34 ... 294	124	124	8.88	2.6	-	-	-	2KJ8104-4LC	■ ■ -5 ■ J1 -Z	58
39 ... 337	108	108	7.74	3	-	-	-	2KJ8104-4LC	■ ■ -5 ■ H1 -Z	58
39 ... 342	107	107	7.64	2.8	-	-	-	2KJ8104-4LC	■ ■ -5 ■ G1 -Z	58
42 ... 362	101	101	7.21	2.9	-	-	-	2KJ8104-4LC	■ ■ -5 ■ F1 -Z	58

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see page 5/2	1, 2 or 3	1, 2 or 3
Converter fieldbus communication	see page 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...	...+...

Helical geared motors

Selection and ordering data

Control range 1:8.7

Innometrics SG G115D · Control range 1:8.7 / Motor speed range 300 ... 2610 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
					Article No. (Article No. supplements see below)	m kg		Article No. (Article No. supplements see below)	m kg	
3.8	Z.49-LE112MA.									
	49 ... 425	86	6.14	3.1	-	-	2KJ8104-4LC	■ ■ -5 ■ E1	-Z	58
	57 ... 496	73	5.26	3.3	-	-	2KJ8104-4LC	■ ■ -5 ■ D1	-Z	58
	65 ... 565	64	4.62	3.5	-	-	2KJ8104-4LC	■ ■ -5 ■ C1	-Z	58
	77 ... 669	54	3.9	3.8	-	-	2KJ8104-4LC	■ ■ -5 ■ B1	-Z	58
	88 ... 768	47	3.4	4	-	-	2KJ8104-4LC	■ ■ -5 ■ A1	-Z	58
	Z.49-LE100LA.									
	11.4 ... 99	365	26.43	0.87		2KJ8104-2JB	■ ■ -5 ■ T1	-Z	54	-
	12.3 ... 107	340	24.39	0.94		2KJ8104-2JB	■ ■ -5 ■ S1	-Z	54	-
	13.5 ... 117	310	22.27	1		2KJ8104-2JB	■ ■ -5 ■ R1	-Z	54	-
	16.2 ... 141	255	18.48	1.2		2KJ8104-2JB	■ ■ -5 ■ Q1	-Z	54	-
	17.3 ... 150	240	17.39	1.3		2KJ8104-2JB	■ ■ -5 ■ P1	-Z	54	-
	18.3 ... 159	225	16.42	1.4		2KJ8104-2JB	■ ■ -5 ■ N1	-Z	54	-
	21 ... 187	195	13.98	1.6		2KJ8104-2JB	■ ■ -5 ■ M1	-Z	54	-
	25 ... 218	167	11.97	1.9		2KJ8104-2JB	■ ■ -5 ■ L1	-Z	54	-
28 ... 248	147	10.53	2.2		2KJ8104-2JB	■ ■ -5 ■ K1	-Z	54	-	
34 ... 294	124	8.88	2.6		2KJ8104-2JB	■ ■ -5 ■ J1	-Z	54	-	
39 ... 337	108	7.74	3		2KJ8104-2JB	■ ■ -5 ■ H1	-Z	54	-	
39 ... 342	107	7.64	2.8		2KJ8104-2JB	■ ■ -5 ■ G1	-Z	54	-	
42 ... 362	101	7.21	2.9		2KJ8104-2JB	■ ■ -5 ■ F1	-Z	54	-	
49 ... 425	86	6.14	3.1		2KJ8104-2JB	■ ■ -5 ■ E1	-Z	54	-	
57 ... 496	73	5.26	3.3		2KJ8104-2JB	■ ■ -5 ■ D1	-Z	54	-	
65 ... 565	64	4.62	3.5		2KJ8104-2JB	■ ■ -5 ■ C1	-Z	54	-	
77 ... 669	54	3.9	3.8		2KJ8104-2JB	■ ■ -5 ■ B1	-Z	54	-	
88 ... 768	47	3.4	4		2KJ8104-2JB	■ ■ -5 ■ A1	-Z	54	-	
Z.39-LE100LA.										
16.9 ... 147	245	17.77	0.81		2KJ8103-2JB	■ ■ -5 ■ N1	-Z	42	-	
20 ... 176	205	14.79	0.94		2KJ8103-2JB	■ ■ -5 ■ M1	-Z	42	-	
22 ... 188	194	13.92	0.97		2KJ8103-2JB	■ ■ -5 ■ L1	-Z	42	-	
24 ... 209	174	12.47	1		2KJ8103-2JB	■ ■ -5 ■ K1	-Z	42	-	
28 ... 246	148	10.62	1.1		2KJ8103-2JB	■ ■ -5 ■ J1	-Z	42	-	
33 ... 287	127	9.1	1.2		2KJ8103-2JB	■ ■ -5 ■ H1	-Z	42	-	
38 ... 333	109	7.84	1.4		2KJ8103-2JB	■ ■ -5 ■ G1	-Z	42	-	
46 ... 404	90	6.46	1.6		2KJ8103-2JB	■ ■ -5 ■ F1	-Z	42	-	
49 ... 429	85	6.08	1.7		2KJ8103-2JB	■ ■ -5 ■ E1	-Z	42	-	
55 ... 479	76	5.45	1.8		2KJ8103-2JB	■ ■ -5 ■ D1	-Z	42	-	
65 ... 562	65	4.64	2		2KJ8103-2JB	■ ■ -5 ■ C1	-Z	42	-	
75 ... 656	56	3.98	2.2		2KJ8103-2JB	■ ■ -5 ■ B1	-Z	42	-	
87 ... 761	48	3.43	2.3		2KJ8103-2JB	■ ■ -5 ■ A1	-Z	42	-	
Z.29-LE100LA.										
27 ... 234	156	11.16	0.9		2KJ8102-2JB	■ ■ -5 ■ M1	-Z	40	-	
30 ... 258	141	10.12	0.99		2KJ8102-2JB	■ ■ -5 ■ L1	-Z	40	-	
31 ... 274	133	9.53	1.1		2KJ8102-2JB	■ ■ -5 ■ K1	-Z	40	-	
36 ... 311	117	8.4	1.2		2KJ8102-2JB	■ ■ -5 ■ J1	-Z	40	-	
41 ... 358	102	7.29	1.3		2KJ8102-2JB	■ ■ -5 ■ H1	-Z	40	-	
50 ... 431	84	6.06	1.2		2KJ8102-2JB	■ ■ -5 ■ F1	-Z	40	-	
56 ... 492	74	5.31	1.2		2KJ8102-2JB	■ ■ -5 ■ E1	-Z	40	-	
62 ... 541	67	4.82	1.3		2KJ8102-2JB	■ ■ -5 ■ D1	-Z	40	-	
66 ... 575	63	4.54	1.3		2KJ8102-2JB	■ ■ -5 ■ C1	-Z	40	-	
75 ... 652	56	4	1.4		2KJ8102-2JB	■ ■ -5 ■ B1	-Z	40	-	
86 ... 752	48	3.47	1.4		2KJ8102-2JB	■ ■ -5 ■ A1	-Z	40	-	
E.89-LE112MA.										
31 ... 270	135	9.67	2.1		-	-	2KJ8004-4LC	■ ■ -5 ■ T1	-Z	74
34 ... 299	122	8.73	2.3		-	-	2KJ8004-4LC	■ ■ -5 ■ S1	-Z	74
38 ... 330	110	7.92	2.5		-	-	2KJ8004-4LC	■ ■ -5 ■ R1	-Z	74
41 ... 357	102	7.31	2.6		-	-	2KJ8004-4LC	■ ■ -5 ■ Q1	-Z	74
45 ... 393	93	6.64	2.8		-	-	2KJ8004-4LC	■ ■ -5 ■ P1	-Z	74
53 ... 464	78	5.62	4.1		-	-	2KJ8004-4LC	■ ■ -5 ■ N1	-Z	74
57 ... 493	74	5.29	2.8		-	-	2KJ8004-4LC	■ ■ -5 ■ M1	-Z	74

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	
Motor brake (brake voltage 180 V DC)	without with see page 5/2	0 1, 2 or 3	
Converter fieldbus communication	see page 5/2	B, C, D, E, F or G	
Special versions	see Chapter 4 „Additional Order options“	...+...	

Selection and ordering data

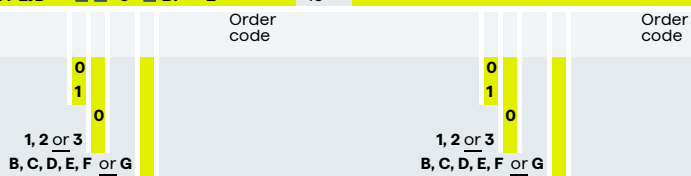
Control range 1:8.7

Innomotics SG G115D · Control range 1:8.7 / Motor speed range 300 ... 2610 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
					Article No. (Article No. supplements see below)	m kg		Article No. (Article No. supplements see below)	m kg	
3.8										
E.89-LE100LA.										
31 ... 270		135	9.67	2.1	2KJ8004-2JB	■ ■ -5 ■ T1 -Z	71	-	-	-
34 ... 299		122	8.73	2.3	2KJ8004-2JB	■ ■ -5 ■ S1 -Z	71	-	-	-
38 ... 330		110	7.92	2.5	2KJ8004-2JB	■ ■ -5 ■ R1 -Z	71	-	-	-
41 ... 357		102	7.31	2.6	2KJ8004-2JB	■ ■ -5 ■ Q1 -Z	71	-	-	-
45 ... 393		93	6.64	2.8	2KJ8004-2JB	■ ■ -5 ■ P1 -Z	71	-	-	-
53 ... 464		78	5.62	4.1	2KJ8004-2JB	■ ■ -5 ■ N1 -Z	71	-	-	-
57 ... 493		74	5.29	2.8	2KJ8004-2JB	■ ■ -5 ■ M1 -Z	71	-	-	-
E.69-LE100LA.										
40 ... 344		106	7.58	1.9	2KJ8003-2JB	■ ■ -5 ■ Q1 -Z	57	-	-	-
44 ... 383		95	6.82	1.8	2KJ8003-2JB	■ ■ -5 ■ P1 -Z	57	-	-	-
49 ... 423		86	6.17	2.4	2KJ8003-2JB	■ ■ -5 ■ N1 -Z	57	-	-	-
53 ... 459		79	5.69	2.1	2KJ8003-2JB	■ ■ -5 ■ M1 -Z	57	-	-	-
58 ... 501		73	5.21	2.8	2KJ8003-2JB	■ ■ -5 ■ L1 -Z	57	-	-	-
68 ... 596		61	4.38	3.3	2KJ8003-2JB	■ ■ -5 ■ K1 -Z	57	-	-	-
73 ... 633		57	4.12	2.9	2KJ8003-2JB	■ ■ -5 ■ J1 -Z	57	-	-	-
79 ... 690		53	3.78	3.8	2KJ8003-2JB	■ ■ -5 ■ H1 -Z	57	-	-	-
91 ... 791		46	3.3	4.3	2KJ8003-2JB	■ ■ -5 ■ G1 -Z	57	-	-	-
E.69-LE112MA.										
40 ... 344		106	7.58	1.9	-	-	-	2KJ8003-4LC	■ ■ -5 ■ Q1 -Z	61
44 ... 383		95	6.82	1.8	-	-	-	2KJ8003-4LC	■ ■ -5 ■ P1 -Z	61
49 ... 423		86	6.17	2.4	-	-	-	2KJ8003-4LC	■ ■ -5 ■ N1 -Z	61
53 ... 459		79	5.69	2.1	-	-	-	2KJ8003-4LC	■ ■ -5 ■ M1 -Z	61
58 ... 501		73	5.21	2.8	-	-	-	2KJ8003-4LC	■ ■ -5 ■ L1 -Z	61
68 ... 596		61	4.38	3.3	-	-	-	2KJ8003-4LC	■ ■ -5 ■ K1 -Z	61
73 ... 633		57	4.12	2.9	-	-	-	2KJ8003-4LC	■ ■ -5 ■ J1 -Z	61
79 ... 690		53	3.78	3.8	-	-	-	2KJ8003-4LC	■ ■ -5 ■ H1 -Z	61
91 ... 791		46	3.3	4.3	-	-	-	2KJ8003-4LC	■ ■ -5 ■ G1 -Z	61
E.49-LE100LA.										
49 ... 429		85	6.08	1.2	2KJ8002-2JB	■ ■ -5 ■ N1 -Z	50	-	-	-
55 ... 479		76	5.45	1.4	2KJ8002-2JB	■ ■ -5 ■ M1 -Z	50	-	-	-
61 ... 530		69	4.92	1.5	2KJ8002-2JB	■ ■ -5 ■ L1 -Z	50	-	-	-
66 ... 575		63	4.54	1.6	2KJ8002-2JB	■ ■ -5 ■ K1 -Z	50	-	-	-
72 ... 630		58	4.14	1.8	2KJ8002-2JB	■ ■ -5 ■ J1 -Z	50	-	-	-
87 ... 759		48	3.44	2.1	2KJ8002-2JB	■ ■ -5 ■ H1 -Z	50	-	-	-
93 ... 806		45	3.24	2.2	2KJ8002-2JB	■ ■ -5 ■ G1 -Z	50	-	-	-
98 ... 853		43	3.06	2.4	2KJ8002-2JB	■ ■ -5 ■ F1 -Z	50	-	-	-
115 ... 1004		36	2.6	2.8	2KJ8002-2JB	■ ■ -5 ■ E1 -Z	50	-	-	-
135 ... 1170		31	2.23	3.3	2KJ8002-2JB	■ ■ -5 ■ D1 -Z	50	-	-	-
E.49-LE112MA.										
49 ... 429		85	6.08	1.2	-	-	-	2KJ8002-4LC	■ ■ -5 ■ N1 -Z	54
55 ... 479		76	5.45	1.4	-	-	-	2KJ8002-4LC	■ ■ -5 ■ M1 -Z	54
61 ... 530		69	4.92	1.5	-	-	-	2KJ8002-4LC	■ ■ -5 ■ L1 -Z	54
66 ... 575		63	4.54	1.6	-	-	-	2KJ8002-4LC	■ ■ -5 ■ K1 -Z	54
72 ... 630		58	4.14	1.8	-	-	-	2KJ8002-4LC	■ ■ -5 ■ J1 -Z	54
87 ... 759		48	3.44	2.1	-	-	-	2KJ8002-4LC	■ ■ -5 ■ H1 -Z	54
93 ... 806		45	3.24	2.2	-	-	-	2KJ8002-4LC	■ ■ -5 ■ G1 -Z	54
98 ... 853		43	3.06	2.4	-	-	-	2KJ8002-4LC	■ ■ -5 ■ F1 -Z	54
115 ... 1004		36	2.6	2.8	-	-	-	2KJ8002-4LC	■ ■ -5 ■ E1 -Z	54
135 ... 1170		31	2.23	3.3	-	-	-	2KJ8002-4LC	■ ■ -5 ■ D1 -Z	54
E.39-LE100LA.										
73 ... 638		57	4.09	0.84	2KJ8001-2JB	■ ■ -5 ■ K1 -Z	43	-	-	-
84 ... 729		50	3.58	1.2	2KJ8001-2JB	■ ■ -5 ■ J1 -Z	43	-	-	-
91 ... 789		46	3.31	1.3	2KJ8001-2JB	■ ■ -5 ■ H1 -Z	43	-	-	-
102 ... 891		41	2.93	1.6	2KJ8001-2JB	■ ■ -5 ■ G1 -Z	43	-	-	-
123 ... 1070		34	2.44	1.9	2KJ8001-2JB	■ ■ -5 ■ F1 -Z	43	-	-	-
131 ... 1140		32	2.29	2.1	2KJ8001-2JB	■ ■ -5 ■ E1 -Z	43	-	-	-

Article No. supplements

Motor temperature sensor	without	0
	with Pt1000	1
Motor brake	without	0
(brake voltage 180 V DC)	with see page 5/2	1, 2 or 3
Converter fieldbus communication	see page 5/2	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...



Helical geared motors

Selection and ordering data

Control range 1:8.7

Innomotics SG G115D · Control range 1:8.7 / Motor speed range 300 ... 2610 rpm

P _N	n ₂	T ₂	i	f _B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4							
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg						
3.8	E.39-LE112MA.													
	73 ... 638	57	4.09	0.84	-	-	2KJ8001-4LC	■	■	-5	■	K1	-Z	49
	84 ... 729	50	3.58	1.2	-	-	2KJ8001-4LC	■	■	-5	■	J1	-Z	49
	91 ... 789	46	3.31	1.3	-	-	2KJ8001-4LC	■	■	-5	■	H1	-Z	49
	102 ... 891	41	2.93	1.6	-	-	2KJ8001-4LC	■	■	-5	■	G1	-Z	49
	123 ... 1070	34	2.44	1.9	-	-	2KJ8001-4LC	■	■	-5	■	F1	-Z	49

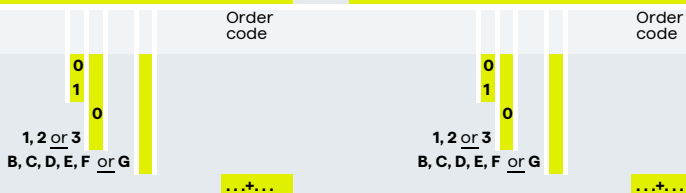
Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see page 5/2	0 1	0 1
Converter fieldbus communication see page 5/2		1, 2 or 3 B, C, D, E, F or G	1, 2 or 3 B, C, D, E, F or G
Special versions see Chapter 4 „Additional Order options“		...+...	...+...

Innomatics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

P _N	n ₂	T ₂	i	f _B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
kW	rpm	Nm	-	-				
0.37	FD.79-LE71MB.							
0.84 ... 4.2	840	357	1.2	1.2	2KJ8405-2CG	44	-	-
0.92 ... 4.6	765	324.62	1.3	1.3	2KJ8405-2CG	44	-	-
1.1 ... 5.4	650	276.09	1.5	1.5	2KJ8405-2CG	44	-	-
1.2 ... 6	590	250.99	1.7	1.7	2KJ8405-2CG	44	-	-
1.3 ... 6.7	525	223.94	1.9	1.9	2KJ8405-2CG	44	-	-
1.5 ... 7.5	470	200.8	2.1	2.1	2KJ8405-2CG	44	-	-
1.7 ... 8.3	425	180.99	2.3	2.3	2KJ8405-2CG	44	-	-
1.8 ... 9	390	167.07	2.5	2.5	2KJ8405-2CG	44	-	-
2 ... 9.8	355	152.51	2.8	2.8	2KJ8405-2CG	44	-	-
	FD.69-LE71MB.							
0.97 ... 4.8	730	309.78	0.82	0.82	2KJ8404-2CG	37	-	-
1.1 ... 5.5	640	272	0.94	0.94	2KJ8404-2CG	37	-	-
1.2 ... 6.1	580	247.27	1	1	2KJ8404-2CG	37	-	-
1.4 ... 7.1	495	211.56	1.2	1.2	2KJ8404-2CG	37	-	-
1.6 ... 7.8	450	192.32	1.3	1.3	2KJ8404-2CG	37	-	-
1.8 ... 8.8	400	170	1.5	1.5	2KJ8404-2CG	37	-	-
1.9 ... 9.7	360	154.55	1.6	1.6	2KJ8404-2CG	37	-	-
2.2 ... 11.1	315	135.37	1.9	1.9	2KJ8404-2CG	37	-	-
2.4 ... 12	290	124.96	2	2	2KJ8404-2CG	37	-	-
2.7 ... 13.6	260	110.63	2.3	2.3	2KJ8404-2CG	37	-	-
3.3 ... 16.3	215	92.08	2.8	2.8	2KJ8404-2CG	37	-	-
3.5 ... 17.3	200	86.67	2.9	2.9	2KJ8404-2CG	37	-	-
	FD.49-LE71MB.							
1.3 ... 6.4	550	234.91	0.87	0.87	2KJ8403-2CG	32	-	-
1.5 ... 7.5	470	200.98	1	1	2KJ8403-2CG	32	-	-
1.6 ... 8.2	430	182.71	1.1	1.1	2KJ8403-2CG	32	-	-
1.9 ... 9.3	380	161.5	1.3	1.3	2KJ8403-2CG	32	-	-
2 ... 10.2	345	146.82	1.4	1.4	2KJ8403-2CG	32	-	-
2.3 ... 11.7	300	128.6	1.6	1.6	2KJ8403-2CG	32	-	-
2.5 ... 12.6	280	118.71	1.7	1.7	2KJ8403-2CG	32	-	-
2.9 ... 14.3	245	105.1	1.9	1.9	2KJ8403-2CG	32	-	-
3.4 ... 17.1	205	87.48	2.3	2.3	2KJ8403-2CG	32	-	-
3.6 ... 18.2	194	82.33	2.5	2.5	2KJ8403-2CG	32	-	-
4.1 ... 20	174	73.77	2.8	2.8	2KJ8403-2CG	32	-	-
	FD.39-LE71MB.							
2 ... 10	350	149.6	0.82	0.82	2KJ8402-2CG	23	-	-
2.3 ... 11.4	305	131.17	0.94	0.94	2KJ8402-2CG	23	-	-
2.6 ... 12.8	275	117.08	1.1	1.1	2KJ8402-2CG	23	-	-
2.9 ... 14.4	245	104.34	1.2	1.2	2KJ8402-2CG	23	-	-
3.1 ... 15.6	225	96.31	1.3	1.3	2KJ8402-2CG	23	-	-
3.6 ... 17.8	199	84.32	1.5	1.5	2KJ8402-2CG	23	-	-
4.1 ... 20	174	73.93	1.7	1.7	2KJ8402-2CG	23	-	-
4.5 ... 22	158	67.07	1.8	1.8	2KJ8402-2CG	23	-	-
4.8 ... 24	149	63.13	2	2	2KJ8402-2CG	23	-	-
5.4 ... 27	131	55.65	2.2	2.2	2KJ8402-2CG	23	-	-
6.2 ... 31	114	48.29	2.5	2.5	2KJ8402-2CG	23	-	-
	FZ.39-LE71MB.							
4.6 ... 23	154	65.21	1.9	1.9	2KJ8302-2CG	23	-	-
5.2 ... 26	137	57.99	1.7	1.7	2KJ8302-2CG	23	-	-
5.9 ... 29	120	50.91	2	2	2KJ8302-2CG	23	-	-
6.5 ... 32	109	46.29	2.3	2.3	2KJ8302-2CG	23	-	-
7.6 ... 38	93	39.6	3.1	3.1	2KJ8302-2CG	23	-	-
8.3 ... 42	85	36	3	3	2KJ8302-2CG	23	-	-
	FD.29-LE71MB.							
3.8 ... 19.2	184	78.02	0.82	0.82	2KJ8401-2CG	17	-	-
4.3 ... 21	166	70.43	0.9	0.9	2KJ8401-2CG	17	-	-
4.5 ... 23	156	66.29	0.96	0.96	2KJ8401-2CG	17	-	-
5.2 ... 26	136	57.79	1.1	1.1	2KJ8401-2CG	17	-	-

Article No. supplements

Motor temperature sensor	without with Pt1000	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	0 1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...



Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

P_N kW	n_2 rpm	T_2 Nm	i -	f_B -	Geared motors with asynchronous motors IE3 Article No. (Article No. supplements see below)	m kg	Geared motors with synchronous reluctance motors IE4 Article No. (Article No. supplements see below)	m kg	
0.37	FZ.29-LE71MB.								
	5.3 ... 26	134	56.73	1.1	2KJ8301-2CG ■ ■ -3 ■ C2 -Z	16	-	-	
	6 ... 30	119	50.32	1.3	2KJ8301-2CG ■ ■ -3 ■ B2 -Z	16	-	-	
	6.9 ... 34	103	43.66	1.5	2KJ8301-2CG ■ ■ -3 ■ A2 -Z	16	-	-	
	7.6 ... 38	94	39.69	1.6	2KJ8301-2CG ■ ■ -3 ■ X1 -Z	16	-	-	
	8.8 ... 44	80	34.04	1.9	2KJ8301-2CG ■ ■ -3 ■ W1 -Z	16	-	-	
	9.7 ... 48	73	30.95	2.1	2KJ8301-2CG ■ ■ -3 ■ V1 -Z	16	-	-	
	11.1 ... 55	64	27.13	2.3	2KJ8301-2CG ■ ■ -3 ■ U1 -Z	16	-	-	
	12.4 ... 62	57	24.22	2.6	2KJ8301-2CG ■ ■ -3 ■ T1 -Z	16	-	-	
	13.9 ... 70	51	21.58	3	2KJ8301-2CG ■ ■ -3 ■ S1 -Z	16	-	-	
	15.1 ... 75	47	19.92	3.2	2KJ8301-2CG ■ ■ -3 ■ R1 -Z	16	-	-	
0.55	FD.89-LE80MA.								
	0.89 ... 4.5	1170	335.3	1.6	2KJ8406-2EB ■ ■ -3 ■ S1 -Z	80	2KJ8406-4EC ■ ■ -3 ■ S1 -Z	80	
	0.98 ... 4.9	1060	304.82	1.7	2KJ8406-2EB ■ ■ -3 ■ R1 -Z	80	2KJ8406-4EC ■ ■ -3 ■ R1 -Z	80	
	1.1 ... 5.5	955	273.41	1.9	2KJ8406-2EB ■ ■ -3 ■ Q1 -Z	80	2KJ8406-4EC ■ ■ -3 ■ Q1 -Z	80	
	1.2 ... 6.1	860	245.82	2.1	2KJ8406-2EB ■ ■ -3 ■ P1 -Z	80	2KJ8406-4EC ■ ■ -3 ■ P1 -Z	80	
	1.3 ... 6.7	775	222.33	2.4	2KJ8406-2EB ■ ■ -3 ■ N1 -Z	80	2KJ8406-4EC ■ ■ -3 ■ N1 -Z	80	
	1.5 ... 7.3	715	205.23	2.6	2KJ8406-2EB ■ ■ -3 ■ M1 -Z	80	2KJ8406-4EC ■ ■ -3 ■ M1 -Z	80	
	1.6 ... 8	655	188	2.8	2KJ8406-2EB ■ ■ -3 ■ L1 -Z	80	2KJ8406-4EC ■ ■ -3 ■ L1 -Z	80	
	FD.79-LE80MA.								
	0.84 ... 4.2	1250	357	0.8	2KJ8405-2EB ■ ■ -3 ■ S1 -Z	49	2KJ8405-4EC ■ ■ -3 ■ S1 -Z	49	
	0.92 ... 4.6	1130	324.62	0.88	2KJ8405-2EB ■ ■ -3 ■ R1 -Z	49	2KJ8405-4EC ■ ■ -3 ■ R1 -Z	49	
	1.1 ... 5.4	965	276.09	1	2KJ8405-2EB ■ ■ -3 ■ Q1 -Z	49	2KJ8405-4EC ■ ■ -3 ■ Q1 -Z	49	
	1.2 ... 6	875	250.99	1.1	2KJ8405-2EB ■ ■ -3 ■ P1 -Z	49	2KJ8405-4EC ■ ■ -3 ■ P1 -Z	49	
	1.3 ... 6.7	780	223.94	1.3	2KJ8405-2EB ■ ■ -3 ■ N1 -Z	49	2KJ8405-4EC ■ ■ -3 ■ N1 -Z	49	
	1.5 ... 7.5	700	200.8	1.4	2KJ8405-2EB ■ ■ -3 ■ M1 -Z	49	2KJ8405-4EC ■ ■ -3 ■ M1 -Z	49	
	1.7 ... 8.3	630	180.99	1.6	2KJ8405-2EB ■ ■ -3 ■ L1 -Z	49	2KJ8405-4EC ■ ■ -3 ■ L1 -Z	49	
	1.8 ... 9	585	167.07	1.7	2KJ8405-2EB ■ ■ -3 ■ K1 -Z	49	2KJ8405-4EC ■ ■ -3 ■ K1 -Z	49	
	2 ... 9.8	530	152.51	1.9	2KJ8405-2EB ■ ■ -3 ■ J1 -Z	49	2KJ8405-4EC ■ ■ -3 ■ J1 -Z	49	
	2.4 ... 11.9	440	126.54	2.3	2KJ8405-2EB ■ ■ -3 ■ H1 -Z	49	2KJ8405-4EC ■ ■ -3 ■ H1 -Z	49	
	2.7 ... 13.3	390	112.48	2.5	2KJ8405-2EB ■ ■ -3 ■ F1 -Z	49	2KJ8405-4EC ■ ■ -3 ■ F1 -Z	49	
	2.5 ... 12.6	415	119.1	2.4	2KJ8405-2EB ■ ■ -3 ■ G1 -Z	49	2KJ8405-4EC ■ ■ -3 ■ G1 -Z	49	
	3.1 ... 15.7	335	95.71	3	2KJ8405-2EB ■ ■ -3 ■ E1 -Z	49	2KJ8405-4EC ■ ■ -3 ■ E1 -Z	49	
	FD.69-LE80MA.								
	1.4 ... 7.1	740	211.56	0.81	2KJ8404-2EB ■ ■ -3 ■ N1 -Z	42	2KJ8404-4EC ■ ■ -3 ■ N1 -Z	42	
	1.6 ... 7.8	670	192.32	0.89	2KJ8404-2EB ■ ■ -3 ■ M1 -Z	42	2KJ8404-4EC ■ ■ -3 ■ M1 -Z	42	
	1.8 ... 8.8	595	170	1	2KJ8404-2EB ■ ■ -3 ■ L1 -Z	42	2KJ8404-4EC ■ ■ -3 ■ L1 -Z	42	
	1.9 ... 9.7	540	154.55	1.1	2KJ8404-2EB ■ ■ -3 ■ K1 -Z	42	2KJ8404-4EC ■ ■ -3 ■ K1 -Z	42	
	2.2 ... 11.1	470	135.37	1.3	2KJ8404-2EB ■ ■ -3 ■ J1 -Z	42	2KJ8404-4EC ■ ■ -3 ■ J1 -Z	42	
	2.4 ... 12	435	124.96	1.4	2KJ8404-2EB ■ ■ -3 ■ H1 -Z	42	2KJ8404-4EC ■ ■ -3 ■ H1 -Z	42	
	2.7 ... 13.6	385	110.63	1.5	2KJ8404-2EB ■ ■ -3 ■ G1 -Z	42	2KJ8404-4EC ■ ■ -3 ■ G1 -Z	42	
	3.3 ... 16.3	320	92.08	1.9	2KJ8404-2EB ■ ■ -3 ■ F1 -Z	42	2KJ8404-4EC ■ ■ -3 ■ F1 -Z	42	
	3.5 ... 17.3	300	86.67	2	2KJ8404-2EB ■ ■ -3 ■ E1 -Z	42	2KJ8404-4EC ■ ■ -3 ■ E1 -Z	42	
	3.9 ... 19.3	270	77.65	2.2	2KJ8404-2EB ■ ■ -3 ■ D1 -Z	42	2KJ8404-4EC ■ ■ -3 ■ D1 -Z	42	
	4.5 ... 23	230	66.11	2.6	2KJ8404-2EB ■ ■ -3 ■ C1 -Z	42	2KJ8404-4EC ■ ■ -3 ■ C1 -Z	42	
	5.3 ... 26	198	56.67	3	2KJ8404-2EB ■ ■ -3 ■ B1 -Z	42	2KJ8404-4EC ■ ■ -3 ■ B1 -Z	42	
	FZ.69-LE80MA.								
4.6 ... 23	225	64.67	2.6	2KJ8304-2EB ■ ■ -3 ■ X1 -Z	41	2KJ8304-4EC ■ ■ -3 ■ X1 -Z	41		
5.1 ... 26	205	58.79	2.9	2KJ8304-2EB ■ ■ -3 ■ W1 -Z	41	2KJ8304-4EC ■ ■ -3 ■ W1 -Z	41		
FD.49-LE80MA.									
1.9 ... 9.3	565	161.5	0.85	2KJ8403-2EB ■ ■ -3 ■ L1 -Z	37	2KJ8403-4EC ■ ■ -3 ■ L1 -Z	37		
2 ... 10.2	510	146.82	0.93	2KJ8403-2EB ■ ■ -3 ■ K1 -Z	37	2KJ8403-4EC ■ ■ -3 ■ K1 -Z	37		
2.3 ... 11.7	450	128.6	1.1	2KJ8403-2EB ■ ■ -3 ■ J1 -Z	37	2KJ8403-4EC ■ ■ -3 ■ J1 -Z	37		
2.5 ... 12.6	415	118.71	1.2	2KJ8403-2EB ■ ■ -3 ■ H1 -Z	37	2KJ8403-4EC ■ ■ -3 ■ H1 -Z	37		
2.9 ... 14.3	365	105.1	1.3	2KJ8403-2EB ■ ■ -3 ■ G1 -Z	37	2KJ8403-4EC ■ ■ -3 ■ G1 -Z	37		
3.4 ... 17.1	305	87.48	1.6	2KJ8403-2EB ■ ■ -3 ■ F1 -Z	37	2KJ8403-4EC ■ ■ -3 ■ F1 -Z	37		
3.6 ... 18.2	285	82.33	1.7	2KJ8403-2EB ■ ■ -3 ■ E1 -Z	37	2KJ8403-4EC ■ ■ -3 ■ E1 -Z	37		
4.1 ... 20	255	73.77	1.9	2KJ8403-2EB ■ ■ -3 ■ D1 -Z	37	2KJ8403-4EC ■ ■ -3 ■ D1 -Z	37		
4.8 ... 24	220	62.81	2.2	2KJ8403-2EB ■ ■ -3 ■ C1 -Z	37	2KJ8403-4EC ■ ■ -3 ■ C1 -Z	37		

Article No. supplements

Motor temperature sensor	without with Pt1000	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	0 1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...

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Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B -	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
0.55	FD.49-LE80MA.							
	5.6 ... 28	188	53.83	2.5	2KJ8403-2EB	37	2KJ8403-4EC	37
	6.5 ... 32	162	46.36	3	2KJ8403-2EB	37	2KJ8403-4EC	37
	FZ.49-LE80MA.							
	4.9 ... 24	215	61.43	2.2	2KJ8303-2EB	36	2KJ8303-4EC	36
	5.4 ... 27	196	55.85	2.5	2KJ8303-2EB	36	2KJ8303-4EC	36
	6.3 ... 32	166	47.5	2.9	2KJ8303-2EB	36	2KJ8303-4EC	36
	6.9 ... 35	151	43.18	3.2	2KJ8303-2EB	36	2KJ8303-4EC	36
	FD.39-LE80MA.							
	3.1 ... 15.6	335	96.31	0.86	2KJ8402-2EB	27	2KJ8402-4EC	27
	3.6 ... 17.8	295	84.32	0.98	2KJ8402-2EB	27	2KJ8402-4EC	27
	4.1 ... 20	255	73.93	1.1	2KJ8402-2EB	27	2KJ8402-4EC	27
	4.5 ... 22	235	67.07	1.2	2KJ8402-2EB	27	2KJ8402-4EC	27
	4.8 ... 24	220	63.13	1.3	2KJ8402-2EB	27	2KJ8402-4EC	27
	5.4 ... 27	195	55.65	1.5	2KJ8402-2EB	27	2KJ8402-4EC	27
6.2 ... 31	169	48.29	1.7	2KJ8402-2EB	27	2KJ8402-4EC	27	
FZ.39-LE80MA.								
5.2 ... 26	200	57.99	1.1	2KJ8302-2EB	27	2KJ8302-4EC	27	
5.9 ... 29	178	50.91	1.3	2KJ8302-2EB	27	2KJ8302-4EC	27	
6.5 ... 32	162	46.29	1.6	2KJ8302-2EB	27	2KJ8302-4EC	27	
7.6 ... 38	139	39.6	2.1	2KJ8302-2EB	27	2KJ8302-4EC	27	
8.3 ... 42	126	36	2	2KJ8302-2EB	27	2KJ8302-4EC	27	
9.4 ... 47	111	31.82	2.6	2KJ8302-2EB	27	2KJ8302-4EC	27	
FZ.39-LE80MA.								
10.4 ... 52	101	28.93	2.7	2KJ8302-2EB	27	2KJ8302-4EC	27	
11.8 ... 59	89	25.34	3	2KJ8302-2EB	27	2KJ8302-4EC	27	
12.8 ... 64	82	23.39	3.2	2KJ8302-2EB	27	2KJ8302-4EC	27	
FZ.29-LE80MA.								
6 ... 30	176	50.32	0.85	2KJ8301-2EB	21	2KJ8301-4EC	21	
6.9 ... 34	153	43.66	0.98	2KJ8301-2EB	21	2KJ8301-4EC	21	
7.6 ... 38	139	39.69	1.1	2KJ8301-2EB	21	2KJ8301-4EC	21	
8.8 ... 44	119	34.04	1.3	2KJ8301-2EB	21	2KJ8301-4EC	21	
9.7 ... 48	108	30.95	1.4	2KJ8301-2EB	21	2KJ8301-4EC	21	
11.1 ... 55	95	27.13	1.6	2KJ8301-2EB	21	2KJ8301-4EC	21	
12.4 ... 62	85	24.22	1.8	2KJ8301-2EB	21	2KJ8301-4EC	21	
13.9 ... 70	76	21.58	2	2KJ8301-2EB	21	2KJ8301-4EC	21	
15.1 ... 75	70	19.92	2.2	2KJ8301-2EB	21	2KJ8301-4EC	21	
17.2 ... 86	61	17.44	2.5	2KJ8301-2EB	21	2KJ8301-4EC	21	
19.6 ... 98	54	15.29	2.8	2KJ8301-2EB	21	2KJ8301-4EC	21	
22 ... 108	49	13.88	3.1	2KJ8301-2EB	21	2KJ8301-4EC	21	
23 ... 115	46	13.06	3.3	2KJ8301-2EB	21	2KJ8301-4EC	21	
26 ... 130	40	11.51	3.5	2KJ8301-2EB	21	2KJ8301-4EC	21	
0.75	FD.89-LE80MB.							
	0.89 ... 4.5	1600	335.3	1.2	2KJ8406-2EG	79	2KJ8406-4EH	82
	0.98 ... 4.9	1450	304.82	1.3	2KJ8406-2EG	79	2KJ8406-4EH	82
	1.1 ... 5.5	1300	273.41	1.4	2KJ8406-2EG	79	2KJ8406-4EH	82
	1.2 ... 6.1	1170	245.82	1.6	2KJ8406-2EG	79	2KJ8406-4EH	82
	1.3 ... 6.7	1060	222.33	1.7	2KJ8406-2EG	79	2KJ8406-4EH	82
	1.5 ... 7.3	980	205.23	1.9	2KJ8406-2EG	79	2KJ8406-4EH	82
	1.6 ... 8	895	188	2.1	2KJ8406-2EG	79	2KJ8406-4EH	82
	1.9 ... 9.5	750	157.74	2.5	2KJ8406-2EG	79	2KJ8406-4EH	82
	2 ... 10.1	705	148.46	2.6	2KJ8406-2EG	79	2KJ8406-4EH	82
	2.2 ... 11	650	136.21	2.8	2KJ8406-2EG	79	2KJ8406-4EH	82
	FD.79-LE80MB.							
	1.2 ... 6	1190	250.99	0.83	2KJ8405-2EG	48	2KJ8405-4EH	51
	1.3 ... 6.7	1060	223.94	0.94	2KJ8405-2EG	48	2KJ8405-4EH	51
	1.5 ... 7.5	955	200.8	1	2KJ8405-2EG	48	2KJ8405-4EH	51
1.7 ... 8.3	860	180.99	1.2	2KJ8405-2EG	48	2KJ8405-4EH	51	
1.8 ... 9	795	167.07	1.3	2KJ8405-2EG	48	2KJ8405-4EH	51	

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	1, 2 or 3	1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...	...+...

Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B -	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4		
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg	
0.75	FZ.39-LE80MB.								
	14.5 ... 72	99	20.71	2.5	2KJ8302-2EG	26	2KJ8302-4EH	29	
	17.4 ... 87	82	17.24	2.9	2KJ8302-2EG	26	2KJ8302-4EH	29	
	18.5 ... 92	78	16.22	3	2KJ8302-2EG	26	2KJ8302-4EH	29	
	21 ... 103	69	14.54	3.2	2KJ8302-2EG	26	2KJ8302-4EH	29	
	FZ.29-LE80MB.								
	8.8 ... 44	163	34.04	0.92	2KJ8301-2EG	20	2KJ8301-4EH	23	
	9.7 ... 48	148	30.95	1	2KJ8301-2EG	20	2KJ8301-4EH	23	
	11.1 ... 55	130	27.13	1.2	2KJ8301-2EG	20	2KJ8301-4EH	23	
	12.4 ... 62	116	24.22	1.3	2KJ8301-2EG	20	2KJ8301-4EH	23	
	13.9 ... 70	103	21.58	1.5	2KJ8301-2EG	20	2KJ8301-4EH	23	
	15.1 ... 75	95	19.92	1.6	2KJ8301-2EG	20	2KJ8301-4EH	23	
	17.2 ... 86	83	17.44	1.8	2KJ8301-2EG	20	2KJ8301-4EH	23	
	19.6 ... 98	73	15.29	2.1	2KJ8301-2EG	20	2KJ8301-4EH	23	
	22 ... 108	66	13.88	2.3	2KJ8301-2EG	20	2KJ8301-4EH	23	
	23 ... 115	62	13.06	2.4	2KJ8301-2EG	20	2KJ8301-4EH	23	
	26 ... 130	55	11.51	2.6	2KJ8301-2EG	20	2KJ8301-4EH	23	
	30 ... 150	48	9.99	2.9	2KJ8301-2EG	20	2KJ8301-4EH	23	
	31 ... 155	46	9.69	3.1	2KJ8301-2EG	20	2KJ8301-4EH	23	
	35 ... 174	41	8.63	3.2	2KJ8301-2EG	20	2KJ8301-4EH	23	
38 ... 188	38	7.97	3.2	2KJ8301-2EG	20	2KJ8301-4EH	23		
43 ... 215	33	6.98	3.7	2KJ8301-2EG	20	2KJ8301-4EH	23		
49 ... 245	29	6.12	3.9	2KJ8301-2EG	20	2KJ8301-4EH	23		
1.1	FD.89-LE90S.								
	0.98 ... 4.9	2130	304.82	0.87	2KJ8406-2GB	82	2KJ8406-4GC	86	
	1.1 ... 5.5	1910	273.41	0.97	2KJ8406-2GB	82	2KJ8406-4GC	86	
	1.2 ... 6.1	1720	245.82	1.1	2KJ8406-2GB	82	2KJ8406-4GC	86	
	1.3 ... 6.7	1550	222.33	1.2	2KJ8406-2GB	82	2KJ8406-4GC	86	
	1.5 ... 7.3	1430	205.23	1.3	2KJ8406-2GB	82	2KJ8406-4GC	86	
	1.6 ... 8	1310	188	1.4	2KJ8406-2GB	82	2KJ8406-4GC	86	
	1.9 ... 9.5	1100	157.74	1.7	2KJ8406-2GB	82	2KJ8406-4GC	86	
	2 ... 10.1	1040	148.46	1.8	2KJ8406-2GB	82	2KJ8406-4GC	86	
	2.2 ... 11	950	136.21	1.9	2KJ8406-2GB	82	2KJ8406-4GC	86	
	2.5 ... 12.6	830	118.98	2.2	2KJ8406-2GB	82	2KJ8406-4GC	86	
	2.8 ... 14.1	745	106.52	2.5	2KJ8406-2GB	82	2KJ8406-4GC	86	
	3.2 ... 16.1	650	93.14	2.8	2KJ8406-2GB	82	2KJ8406-4GC	86	
	FD.79-LE90S.								
	1.8 ... 9	1170	167.07	0.85	2KJ8405-2GB	50	2KJ8405-4GC	54	
	2 ... 9.8	1060	152.51	0.94	2KJ8405-2GB	50	2KJ8405-4GC	54	
	2.4 ... 11.9	885	126.54	1.1	2KJ8405-2GB	50	2KJ8405-4GC	54	
	2.7 ... 13.3	785	112.48	1.3	2KJ8405-2GB	50	2KJ8405-4GC	54	
	2.5 ... 12.6	830	119.1	1.2	2KJ8405-2GB	50	2KJ8405-4GC	54	
	3.1 ... 15.7	670	95.71	1.5	2KJ8405-2GB	50	2KJ8405-4GC	54	
	3.7 ... 18.3	570	81.99	1.7	2KJ8405-2GB	50	2KJ8405-4GC	54	
	4.2 ... 21	505	72.09	2	2KJ8405-2GB	50	2KJ8405-4GC	54	
	4.9 ... 25	425	60.82	2.3	2KJ8405-2GB	50	2KJ8405-4GC	54	
	5.7 ... 28	370	53.01	2.7	2KJ8405-2GB	50	2KJ8405-4GC	54	
	FZ.79-LE90S.								
	5.6 ... 28	375	53.55	2.7	2KJ8305-2GB	49	2KJ8305-4GC	53	
	6.2 ... 31	335	48.03	3	2KJ8305-2GB	49	2KJ8305-4GC	53	
	FD.69-LE90S.								
	3.3 ... 16.3	645	92.08	0.93	2KJ8404-2GB	41	2KJ8404-4GC	45	
	3.5 ... 17.3	605	86.67	0.99	2KJ8404-2GB	41	2KJ8404-4GC	45	
	3.9 ... 19.3	540	77.65	1.1	2KJ8404-2GB	41	2KJ8404-4GC	45	
	4.5 ... 23	460	66.11	1.3	2KJ8404-2GB	41	2KJ8404-4GC	45	
	5.3 ... 26	395	56.67	1.5	2KJ8404-2GB	41	2KJ8404-4GC	45	
	6.1 ... 31	340	48.8	1.8	2KJ8404-2GB	41	2KJ8404-4GC	45	
	FZ.69-LE90S.								
	4.6 ... 23	450	64.67	1.3	2KJ8304-2GB	41	2KJ8304-4GC	45	

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	1, 2 or 3	1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...	...+...

Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B -	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
1.1	FZ.69-LE90S.							
	5.1 ... 26	410	58.79	1.5	2KJ8304-2GB	41	2KJ8304-4GC	45
	6 ... 30	350	50	1.7	2KJ8304-2GB	41	2KJ8304-4GC	45
	6.6 ... 33	315	45.45	1.9	2KJ8304-2GB	41	2KJ8304-4GC	45
	7.4 ... 37	280	40.56	2.1	2KJ8304-2GB	41	2KJ8304-4GC	45
	8.3 ... 41	255	36.36	2.4	2KJ8304-2GB	41	2KJ8304-4GC	45
	9.2 ... 46	230	32.78	2.6	2KJ8304-2GB	41	2KJ8304-4GC	45
	9.9 ... 50	210	30.26	2.8	2KJ8304-2GB	41	2KJ8304-4GC	45
	10.9 ... 54	193	27.62	3.1	2KJ8304-2GB	41	2KJ8304-4GC	45
	FD.49-LE90S.							
	3.6 ... 18.2	575	82.33	0.83	2KJ8403-2GB	36	2KJ8403-4GC	40
	4.1 ... 20	515	73.77	0.93	2KJ8403-2GB	36	2KJ8403-4GC	40
	4.8 ... 24	440	62.81	1.1	2KJ8403-2GB	36	2KJ8403-4GC	40
	5.6 ... 28	375	53.83	1.3	2KJ8403-2GB	36	2KJ8403-4GC	40
	6.5 ... 32	325	46.36	1.5	2KJ8403-2GB	36	2KJ8403-4GC	40
	FZ.49-LE90S.							
	4.9 ... 24	430	61.43	1.1	2KJ8303-2GB	36	2KJ8303-4GC	40
	5.4 ... 27	390	55.85	1.2	2KJ8303-2GB	36	2KJ8303-4GC	40
	6.3 ... 32	330	47.5	1.4	2KJ8303-2GB	36	2KJ8303-4GC	40
	6.9 ... 35	300	43.18	1.6	2KJ8303-2GB	36	2KJ8303-4GC	40
	7.8 ... 39	270	38.53	1.8	2KJ8303-2GB	36	2KJ8303-4GC	40
	8.7 ... 43	240	34.55	2	2KJ8303-2GB	36	2KJ8303-4GC	40
	9.6 ... 48	215	31.14	2.2	2KJ8303-2GB	36	2KJ8303-4GC	40
	10.4 ... 52	200	28.74	2.4	2KJ8303-2GB	36	2KJ8303-4GC	40
	11.4 ... 57	184	26.24	2.6	2KJ8303-2GB	36	2KJ8303-4GC	40
	13.8 ... 69	152	21.77	3.1	2KJ8303-2GB	36	2KJ8303-4GC	40
	14.6 ... 73	143	20.49	3.3	2KJ8303-2GB	36	2KJ8303-4GC	40
	FD.39-LE90S.							
	6.2 ... 31	335	48.29	0.86	2KJ8402-2GB	29	2KJ8402-4GC	33
	FZ.39-LE90S.							
	7.6 ... 38	275	39.6	1	2KJ8302-2GB	28	2KJ8302-4GC	32
	8.3 ... 42	250	36	1	2KJ8302-2GB	28	2KJ8302-4GC	32
	9.4 ... 47	220	31.82	1.3	2KJ8302-2GB	28	2KJ8302-4GC	32
	10.4 ... 52	200	28.93	1.4	2KJ8302-2GB	28	2KJ8302-4GC	32
	11.8 ... 59	177	25.34	1.5	2KJ8302-2GB	28	2KJ8302-4GC	32
	12.8 ... 64	164	23.39	1.6	2KJ8302-2GB	28	2KJ8302-4GC	32
14.5 ... 72	145	20.71	1.7	2KJ8302-2GB	28	2KJ8302-4GC	32	
17.4 ... 87	121	17.24	1.9	2KJ8302-2GB	28	2KJ8302-4GC	32	
18.5 ... 92	114	16.22	2	2KJ8302-2GB	28	2KJ8302-4GC	32	
21 ... 103	102	14.54	2.2	2KJ8302-2GB	28	2KJ8302-4GC	32	
24 ... 121	87	12.38	2.4	2KJ8302-2GB	28	2KJ8302-4GC	32	
28 ... 141	74	10.61	2.7	2KJ8302-2GB	28	2KJ8302-4GC	32	
33 ... 164	64	9.13	3	2KJ8302-2GB	28	2KJ8302-4GC	32	
37 ... 185	57	8.1	2.9	2KJ8302-2GB	28	2KJ8302-4GC	32	
45 ... 223	47	6.74	3.2	2KJ8302-2GB	28	2KJ8302-4GC	32	
47 ... 236	44	6.35	3.4	2KJ8302-2GB	28	2KJ8302-4GC	32	
53 ... 264	40	5.69	3.5	2KJ8302-2GB	28	2KJ8302-4GC	32	
62 ... 310	34	4.84	3.8	2KJ8302-2GB	28	2KJ8302-4GC	32	
72 ... 361	29	4.15	4.1	2KJ8302-2GB	28	2KJ8302-4GC	32	
FZ.29-LE90S.								
12.4 ... 62	170	24.22	0.88	2KJ8301-2GB	22	2KJ8301-4GC	26	
13.9 ... 70	151	21.58	0.99	2KJ8301-2GB	22	2KJ8301-4GC	26	
15.1 ... 75	140	19.92	1.1	2KJ8301-2GB	22	2KJ8301-4GC	26	
17.2 ... 86	122	17.44	1.2	2KJ8301-2GB	22	2KJ8301-4GC	26	
19.6 ... 98	107	15.29	1.4	2KJ8301-2GB	22	2KJ8301-4GC	26	
22 ... 108	97	13.88	1.5	2KJ8301-2GB	22	2KJ8301-4GC	26	
23 ... 115	92	13.06	1.6	2KJ8301-2GB	22	2KJ8301-4GC	26	
26 ... 130	81	11.51	1.8	2KJ8301-2GB	22	2KJ8301-4GC	26	
30 ... 150	70	9.99	1.9	2KJ8301-2GB	22	2KJ8301-4GC	26	

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	1, 2 or 3	1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...	...+...

Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	Article No.	m
					(Article No. supplements see below)	kg	(Article No. supplements see below)	kg	(Article No. supplements see below)	kg
1.1										
FZ.29-LE90S.										
31 ... 155	68	9.69	2.1		2KJ8301-2GB	22	2KJ8301-4GC	26		
35 ... 174	60	8.63	2.2		2KJ8301-2GB	22	2KJ8301-4GC	26		
38 ... 188	56	7.97	2.1		2KJ8301-2GB	22	2KJ8301-4GC	26		
43 ... 215	49	6.98	2.5		2KJ8301-2GB	22	2KJ8301-4GC	26		
49 ... 245	43	6.12	2.7		2KJ8301-2GB	22	2KJ8301-4GC	26		
54 ... 270	39	5.55	2.8		2KJ8301-2GB	22	2KJ8301-4GC	26		
57 ... 287	37	5.22	2.9		2KJ8301-2GB	22	2KJ8301-4GC	26		
65 ... 326	32	4.6	3		2KJ8301-2GB	22	2KJ8301-4GC	26		
75 ... 375	28	4	3.2		2KJ8301-2GB	22	2KJ8301-4GC	26		
1.5										
FD.89-LE90L.										
1.3 ... 6.7	2120	222.33	0.87		2KJ8406-2GG	85	2KJ8406-4GH	88		
1.5 ... 7.3	1960	205.23	0.94		2KJ8406-2GG	85	2KJ8406-4GH	88		
1.6 ... 8	1790	188	1		2KJ8406-2GG	85	2KJ8406-4GH	88		
1.9 ... 9.5	1500	157.74	1.2		2KJ8406-2GG	85	2KJ8406-4GH	88		
2 ... 10.1	1410	148.46	1.3		2KJ8406-2GG	85	2KJ8406-4GH	88		
2.2 ... 11	1300	136.21	1.4		2KJ8406-2GG	85	2KJ8406-4GH	88		
2.5 ... 12.6	1130	118.98	1.6		2KJ8406-2GG	85	2KJ8406-4GH	88		
2.8 ... 14.1	1010	106.52	1.8		2KJ8406-2GG	85	2KJ8406-4GH	88		
3.2 ... 16.1	885	93.14	2.1		2KJ8406-2GG	85	2KJ8406-4GH	88		
3.8 ... 18.8	760	79.95	2.4		2KJ8406-2GG	85	2KJ8406-4GH	88		
4.2 ... 21	675	70.67	2.7		2KJ8406-2GG	85	2KJ8406-4GH	88		
FZ.89-LE90L.										
4.9 ... 24	585	61.72	3.1		2KJ8306-2GG	83	2KJ8306-4GH	86		
FD.79-LE90L.										
2.4 ... 11.9	1200	126.54	0.83		2KJ8405-2GG	53	2KJ8405-4GH	56		
2.7 ... 13.3	1070	112.48	0.93		2KJ8405-2GG	53	2KJ8405-4GH	56		
2.5 ... 12.6	1130	119.1	0.88		2KJ8405-2GG	53	2KJ8405-4GH	56		
3.1 ... 15.7	910	95.71	1.1		2KJ8405-2GG	53	2KJ8405-4GH	56		
3.7 ... 18.3	780	81.99	1.3		2KJ8405-2GG	53	2KJ8405-4GH	56		
4.2 ... 21	685	72.09	1.5		2KJ8405-2GG	53	2KJ8405-4GH	56		
4.9 ... 25	580	60.82	1.7		2KJ8405-2GG	53	2KJ8405-4GH	56		
5.7 ... 28	505	53.01	2		2KJ8405-2GG	53	2KJ8405-4GH	56		
FZ.79-LE90L.										
5.6 ... 28	510	53.55	2		2KJ8305-2GG	52	2KJ8305-4GH	55		
6.2 ... 31	455	48.03	2.2		2KJ8305-2GG	52	2KJ8305-4GH	55		
6.9 ... 35	410	43.18	2.4		2KJ8305-2GG	52	2KJ8305-4GH	55		
7.7 ... 38	370	39.06	2.7		2KJ8305-2GG	52	2KJ8305-4GH	55		
8.3 ... 42	340	36.05	2.9		2KJ8305-2GG	52	2KJ8305-4GH	55		
9.1 ... 45	315	33.02	3.2		2KJ8305-2GG	52	2KJ8305-4GH	55		
FD.69-LE90L.										
3.9 ... 19.3	740	77.65	0.81		2KJ8404-2GG	44	2KJ8404-4GH	47		
4.5 ... 23	630	66.11	0.95		2KJ8404-2GG	44	2KJ8404-4GH	47		
5.3 ... 26	540	56.67	1.1		2KJ8404-2GG	44	2KJ8404-4GH	47		
6.1 ... 31	465	48.8	1.3		2KJ8404-2GG	44	2KJ8404-4GH	47		
FZ.69-LE90L.										
4.6 ... 23	615	64.67	0.97		2KJ8304-2GG	44	2KJ8304-4GH	47		
5.1 ... 26	560	58.79	1.1		2KJ8304-2GG	44	2KJ8304-4GH	47		
6 ... 30	475	50	1.3		2KJ8304-2GG	44	2KJ8304-4GH	47		
6.6 ... 33	430	45.45	1.4		2KJ8304-2GG	44	2KJ8304-4GH	47		
7.4 ... 37	385	40.56	1.5		2KJ8304-2GG	44	2KJ8304-4GH	47		
8.3 ... 41	345	36.36	1.7		2KJ8304-2GG	44	2KJ8304-4GH	47		
9.2 ... 46	310	32.78	1.9		2KJ8304-2GG	44	2KJ8304-4GH	47		
9.9 ... 50	285	30.26	2.1		2KJ8304-2GG	44	2KJ8304-4GH	47		
10.9 ... 54	260	27.62	2.3		2KJ8304-2GG	44	2KJ8304-4GH	47		
13.1 ... 65	215	22.92	2.7		2KJ8304-2GG	44	2KJ8304-4GH	47		
13.9 ... 70	205	21.57	2.9		2KJ8304-2GG	44	2KJ8304-4GH	47		
14.7 ... 74	195	20.37	3.1		2KJ8304-2GG	44	2KJ8304-4GH	47		

Article No. supplements		Order code	Order code
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	0 1, 2 or 3	0 1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...	...+...

Selection and ordering data

Control range 1:5

Innomatics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
					Article No.	m	Article No.	m
kW	rpm	Nm	-	-	(Article No. supplements see below)	kg	(Article No. supplements see below)	kg
2.2	FD.89-LE100LA.							
	3.2 ... 16.1	1300	93.14	1.4	2KJ8406-2JB	102	-	-
	3.8 ... 18.8	1120	79.95	1.7	2KJ8406-2JB	102	-	-
	4.2 ... 21	990	70.67	1.9	2KJ8406-2JB	102	-	-
	5 ... 25	840	60.09	2.2	2KJ8406-2JB	102	-	-
	5.8 ... 29	720	51.51	2.6	2KJ8406-2JB	102	-	-
	FD.89-LE112MA.							
	1.9 ... 9.5	2200	157.74	0.84	-	-	2KJ8406-4LC	105
	2 ... 10.1	2070	148.46	0.89	-	-	2KJ8406-4LC	105
	2.2 ... 11	1900	136.21	0.97	-	-	2KJ8406-4LC	105
	2.5 ... 12.6	1660	118.98	1.1	-	-	2KJ8406-4LC	105
	2.8 ... 14.1	1490	106.52	1.2	-	-	2KJ8406-4LC	105
	3.2 ... 16.1	1300	93.14	1.4	-	-	2KJ8406-4LC	105
	3.8 ... 18.8	1120	79.95	1.7	-	-	2KJ8406-4LC	105
	4.2 ... 21	990	70.67	1.9	-	-	2KJ8406-4LC	105
	5 ... 25	840	60.09	2.2	-	-	2KJ8406-4LC	105
	5.8 ... 29	720	51.51	2.6	-	-	2KJ8406-4LC	105
	FZ.89-LE100LA.							
	4.9 ... 24	860	61.72	2.1	2KJ8306-2JB	101	-	-
	5.4 ... 27	780	55.72	2.4	2KJ8306-2JB	101	-	-
	5.9 ... 30	705	50.54	2.6	2KJ8306-2JB	101	-	-
	6.4 ... 32	650	46.66	2.8	2KJ8306-2JB	101	-	-
	7.1 ... 35	590	42.41	3.1	2KJ8306-2JB	101	-	-
	FZ.89-LE112MA.							
	4.9 ... 24	860	61.72	2.1	-	-	2KJ8306-4LC	104
	5.4 ... 27	780	55.72	2.4	-	-	2KJ8306-4LC	104
	5.9 ... 30	705	50.54	2.6	-	-	2KJ8306-4LC	104
	6.4 ... 32	650	46.66	2.8	-	-	2KJ8306-4LC	104
	7.1 ... 35	590	42.41	3.1	-	-	2KJ8306-4LC	104
	FD.79-LE100LA.							
	3.7 ... 18.3	1140	81.99	0.87	2KJ8405-2JB	71	-	-
4.2 ... 21	1010	72.09	0.99	2KJ8405-2JB	71	-	-	
4.9 ... 25	850	60.82	1.2	2KJ8405-2JB	71	-	-	
5.7 ... 28	740	53.01	1.3	2KJ8405-2JB	71	-	-	
FD.79-LE112MA.								
3.7 ... 18.3	1140	81.99	0.87	-	-	2KJ8405-4LC	75	
4.2 ... 21	1010	72.09	0.99	-	-	2KJ8405-4LC	75	
4.9 ... 25	850	60.82	1.2	-	-	2KJ8405-4LC	75	
5.7 ... 28	740	53.01	1.3	-	-	2KJ8405-4LC	75	
FZ.79-LE100LA.								
6.2 ... 31	670	48.03	1.5	2KJ8305-2JB	70	-	-	
6.9 ... 35	605	43.18	1.7	2KJ8305-2JB	70	-	-	
7.7 ... 38	545	39.06	1.8	2KJ8305-2JB	70	-	-	
8.3 ... 42	505	36.05	2	2KJ8305-2JB	70	-	-	
9.1 ... 45	460	33.02	2.2	2KJ8305-2JB	70	-	-	
10.8 ... 54	385	27.71	2.6	2KJ8305-2JB	70	-	-	
11.5 ... 58	365	26.08	2.7	2KJ8305-2JB	70	-	-	
12.5 ... 63	335	23.93	3	2KJ8305-2JB	70	-	-	
FZ.79-LE112MA.								
6.2 ... 31	670	48.03	1.5	-	-	2KJ8305-4LC	74	
6.9 ... 35	605	43.18	1.7	-	-	2KJ8305-4LC	74	
7.7 ... 38	545	39.06	1.8	-	-	2KJ8305-4LC	74	
8.3 ... 42	505	36.05	2	-	-	2KJ8305-4LC	74	
9.1 ... 45	460	33.02	2.2	-	-	2KJ8305-4LC	74	
10.8 ... 54	385	27.71	2.6	-	-	2KJ8305-4LC	74	
11.5 ... 58	365	26.08	2.7	-	-	2KJ8305-4LC	74	
12.5 ... 63	335	23.93	3	-	-	2KJ8305-4LC	74	
FD.69-LE112MA.								
6.1 ... 31	680	48.8	0.88	-	-	2KJ8404-4LC	68	

Article No. supplements

Motor temperature sensor	without	0	with Pt1000	1
Motor brake	without	0	with see Seite 5/2	1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G		
Special versions	see Chapter 4 „Additional Order options“			

Order code

0 1	0 1	1, 2 or 3	B, C, D, E, F or G
...

5

Parallel shaft geared motors

Selection and ordering data

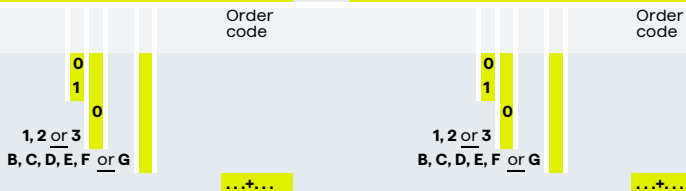
Control range 1:5

Innomatics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

Table with columns: PN, n2, T2, i, fB, Geared motors with asynchronous motors IE3 (Article No., m), Geared motors with synchronous reluctance motors IE4 (Article No., m). Rows include series FD.69-LE100LA, FZ.69-LE100LA, FZ.69-LE112MA, FZ.49-LE100LA, FZ.49-LE112MA, FZ.39-LE112MA.

Article No. supplements

- Motor temperature sensor: without, with Pt1000
Motor brake: without, with see Seite 5/2
Converter fieldbus communication: see Seite 5/2
Special versions: see Chapter 4 „Additional Order options“



Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

P _N	n ₂	T ₂	i	f _B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
2.2	FZ.39-LE112MA.							
33 ... 164	128	9.13	1.5	-	-	2KJ8302-4LC	■ ■ -3 ■ H1 -Z	54
37 ... 185	113	8.1	1.5	-	-	2KJ8302-4LC	■ ■ -3 ■ G1 -Z	54
45 ... 223	94	6.74	1.6	-	-	2KJ8302-4LC	■ ■ -3 ■ F1 -Z	54
47 ... 236	89	6.35	1.7	-	-	2KJ8302-4LC	■ ■ -3 ■ E1 -Z	54
53 ... 264	80	5.69	1.8	-	-	2KJ8302-4LC	■ ■ -3 ■ D1 -Z	54
62 ... 310	68	4.84	1.9	-	-	2KJ8302-4LC	■ ■ -3 ■ C1 -Z	54
72 ... 361	58	4.15	2	-	-	2KJ8302-4LC	■ ■ -3 ■ B1 -Z	54
84 ... 420	50	3.57	2.2	-	-	2KJ8302-4LC	■ ■ -3 ■ A1 -Z	54
FZ.39-LE100LA.								
14.5 ... 72	290	20.71	0.86	2KJ8302-2JB	■ ■ -3 ■ P1 -Z	48	-	-
17.4 ... 87	240	17.24	0.97	2KJ8302-2JB	■ ■ -3 ■ N1 -Z	48	-	-
18.5 ... 92	225	16.22	1	2KJ8302-2JB	■ ■ -3 ■ M1 -Z	48	-	-
21 ... 103	200	14.54	1.1	2KJ8302-2JB	■ ■ -3 ■ L1 -Z	48	-	-
24 ... 121	173	12.38	1.2	2KJ8302-2JB	■ ■ -3 ■ K1 -Z	48	-	-
28 ... 141	149	10.61	1.3	2KJ8302-2JB	■ ■ -3 ■ J1 -Z	48	-	-
33 ... 164	128	9.13	1.5	2KJ8302-2JB	■ ■ -3 ■ H1 -Z	48	-	-
37 ... 185	113	8.1	1.5	2KJ8302-2JB	■ ■ -3 ■ G1 -Z	48	-	-
45 ... 223	94	6.74	1.6	2KJ8302-2JB	■ ■ -3 ■ F1 -Z	48	-	-
47 ... 236	89	6.35	1.7	2KJ8302-2JB	■ ■ -3 ■ E1 -Z	48	-	-
53 ... 264	80	5.69	1.8	2KJ8302-2JB	■ ■ -3 ■ D1 -Z	48	-	-
62 ... 310	68	4.84	1.9	2KJ8302-2JB	■ ■ -3 ■ C1 -Z	48	-	-
72 ... 361	58	4.15	2	2KJ8302-2JB	■ ■ -3 ■ B1 -Z	48	-	-
84 ... 420	50	3.57	2.2	2KJ8302-2JB	■ ■ -3 ■ A1 -Z	48	-	-
FZ.29-LE100LA.								
23 ... 115	183	13.06	0.82	2KJ8301-2JB	■ ■ -3 ■ M1 -Z	41	-	-
26 ... 130	161	11.51	0.89	2KJ8301-2JB	■ ■ -3 ■ L1 -Z	41	-	-
30 ... 150	140	9.99	0.97	2KJ8301-2JB	■ ■ -3 ■ K1 -Z	41	-	-
31 ... 155	136	9.69	1.1	2KJ8301-2JB	■ ■ -3 ■ J1 -Z	41	-	-
35 ... 174	121	8.63	1.1	2KJ8301-2JB	■ ■ -3 ■ H1 -Z	41	-	-
38 ... 188	112	7.97	1.1	2KJ8301-2JB	■ ■ -3 ■ G1 -Z	41	-	-
43 ... 215	98	6.98	1.3	2KJ8301-2JB	■ ■ -3 ■ F1 -Z	41	-	-
49 ... 245	86	6.12	1.3	2KJ8301-2JB	■ ■ -3 ■ E1 -Z	41	-	-
54 ... 270	78	5.55	1.4	2KJ8301-2JB	■ ■ -3 ■ D1 -Z	41	-	-
57 ... 287	73	5.22	1.4	2KJ8301-2JB	■ ■ -3 ■ C1 -Z	41	-	-
65 ... 326	64	4.6	1.5	2KJ8301-2JB	■ ■ -3 ■ B1 -Z	41	-	-
75 ... 375	56	4	1.6	2KJ8301-2JB	■ ■ -3 ■ A1 -Z	41	-	-
3	FD.89-LE100LB.							
2.5 ... 12.6	2270	118.98	0.81	2KJ8406-2JG	■ ■ -3 ■ G1 -Z	102	-	-
2.8 ... 14.1	2030	106.52	0.91	2KJ8406-2JG	■ ■ -3 ■ F1 -Z	102	-	-
3.2 ... 16.1	1770	93.14	1	2KJ8406-2JG	■ ■ -3 ■ E1 -Z	102	-	-
3.8 ... 18.8	1520	79.95	1.2	2KJ8406-2JG	■ ■ -3 ■ D1 -Z	102	-	-
4.2 ... 21	1350	70.67	1.4	2KJ8406-2JG	■ ■ -3 ■ C1 -Z	102	-	-
5 ... 25	1140	60.09	1.6	2KJ8406-2JG	■ ■ -3 ■ B1 -Z	102	-	-
5.8 ... 29	980	51.51	1.9	2KJ8406-2JG	■ ■ -3 ■ A1 -Z	102	-	-
FD.89-LE112MB.								
2.5 ... 12.6	2270	118.98	0.81	-	-	2KJ8406-4LH	■ ■ -3 ■ G1 -Z	105
2.8 ... 14.1	2030	106.52	0.91	-	-	2KJ8406-4LH	■ ■ -3 ■ F1 -Z	105
3.2 ... 16.1	1770	93.14	1	-	-	2KJ8406-4LH	■ ■ -3 ■ E1 -Z	105
3.8 ... 18.8	1520	79.95	1.2	-	-	2KJ8406-4LH	■ ■ -3 ■ D1 -Z	105
4.2 ... 21	1350	70.67	1.4	-	-	2KJ8406-4LH	■ ■ -3 ■ C1 -Z	105
5 ... 25	1140	60.09	1.6	-	-	2KJ8406-4LH	■ ■ -3 ■ B1 -Z	105
5.8 ... 29	980	51.51	1.9	-	-	2KJ8406-4LH	■ ■ -3 ■ A1 -Z	105
FZ.89-LE112MB.								
4.9 ... 24	1170	61.72	1.6	-	-	2KJ8306-4LH	■ ■ -3 ■ B2 -Z	104
5.4 ... 27	1060	55.72	1.7	-	-	2KJ8306-4LH	■ ■ -3 ■ A2 -Z	104
5.9 ... 30	965	50.54	1.9	-	-	2KJ8306-4LH	■ ■ -3 ■ X1 -Z	104
6.4 ... 32	890	46.66	2.1	-	-	2KJ8306-4LH	■ ■ -3 ■ W1 -Z	104
7.1 ... 35	810	42.41	2.3	-	-	2KJ8306-4LH	■ ■ -3 ■ V1 -Z	104

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	1, 2 or 3	1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions see Chapter 4 „Additional Order options“		...+...	...+...

Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm										
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	Article No.	m
3					(Article No. supplements see below)	kg	(Article No. supplements see below)	kg	(Article No. supplements see below)	kg
FZ.89-LE112MB.										
8.4 ... 42	685	35.91	2.7	-	-	-	2KJ8306-4LH	■ ■ -3 ■ U1 -Z	-	104
8.9 ... 44	645	33.8	2.9	-	-	-	2KJ8306-4LH	■ ■ -3 ■ T1 -Z	-	104
9.6 ... 48	595	31.21	3.1	-	-	-	2KJ8306-4LH	■ ■ -3 ■ S1 -Z	-	104
FZ.89-LE100LB.										
4.9 ... 24	1170	61.72	1.6	-	2KJ8306-2JG	■ ■ -3 ■ B2 -Z	101	-	-	-
5.4 ... 27	1060	55.72	1.7	-	2KJ8306-2JG	■ ■ -3 ■ A2 -Z	101	-	-	-
5.9 ... 30	965	50.54	1.9	-	2KJ8306-2JG	■ ■ -3 ■ X1 -Z	101	-	-	-
6.4 ... 32	890	46.66	2.1	-	2KJ8306-2JG	■ ■ -3 ■ W1 -Z	101	-	-	-
7.1 ... 35	810	42.41	2.3	-	2KJ8306-2JG	■ ■ -3 ■ V1 -Z	101	-	-	-
8.4 ... 42	685	35.91	2.7	-	2KJ8306-2JG	■ ■ -3 ■ U1 -Z	101	-	-	-
8.9 ... 44	645	33.8	2.9	-	2KJ8306-2JG	■ ■ -3 ■ T1 -Z	101	-	-	-
9.6 ... 48	595	31.21	3.1	-	2KJ8306-2JG	■ ■ -3 ■ S1 -Z	101	-	-	-
FD.79-LE100LB.										
4.9 ... 25	1160	60.82	0.86	-	2KJ8405-2JG	■ ■ -3 ■ B1 -Z	71	-	-	-
5.7 ... 28	1010	53.01	0.99	-	2KJ8405-2JG	■ ■ -3 ■ A1 -Z	71	-	-	-
FD.79-LE112MB.										
4.9 ... 25	1160	60.82	0.86	-	-	-	2KJ8405-4LH	■ ■ -3 ■ B1 -Z	-	75
5.7 ... 28	1010	53.01	0.99	-	-	-	2KJ8405-4LH	■ ■ -3 ■ A1 -Z	-	75
FZ.79-LE112MB.										
6.2 ... 31	915	48.03	1.1	-	-	-	2KJ8305-4LH	■ ■ -3 ■ W1 -Z	-	74
6.9 ... 35	825	43.18	1.2	-	-	-	2KJ8305-4LH	■ ■ -3 ■ V1 -Z	-	74
7.7 ... 38	745	39.06	1.3	-	-	-	2KJ8305-4LH	■ ■ -3 ■ U1 -Z	-	74
8.3 ... 42	685	36.05	1.5	-	-	-	2KJ8305-4LH	■ ■ -3 ■ T1 -Z	-	74
9.1 ... 45	630	33.02	1.6	-	-	-	2KJ8305-4LH	■ ■ -3 ■ S1 -Z	-	74
10.8 ... 54	525	27.71	1.9	-	-	-	2KJ8305-4LH	■ ■ -3 ■ R1 -Z	-	74
11.5 ... 58	495	26.08	2	-	-	-	2KJ8305-4LH	■ ■ -3 ■ Q1 -Z	-	74
12.5 ... 63	455	23.93	2.2	-	-	-	2KJ8305-4LH	■ ■ -3 ■ P1 -Z	-	74
14.4 ... 72	395	20.9	2.5	-	-	-	2KJ8305-4LH	■ ■ -3 ■ N1 -Z	-	74
16 ... 80	355	18.71	2.8	-	-	-	2KJ8305-4LH	■ ■ -3 ■ M1 -Z	-	74
18.3 ... 92	310	16.36	3.2	-	-	-	2KJ8305-4LH	■ ■ -3 ■ L1 -Z	-	74
FZ.79-LE100LB.										
6.2 ... 31	915	48.03	1.1	-	2KJ8305-2JG	■ ■ -3 ■ W1 -Z	70	-	-	-
6.9 ... 35	825	43.18	1.2	-	2KJ8305-2JG	■ ■ -3 ■ V1 -Z	70	-	-	-
7.7 ... 38	745	39.06	1.3	-	2KJ8305-2JG	■ ■ -3 ■ U1 -Z	70	-	-	-
8.3 ... 42	685	36.05	1.5	-	2KJ8305-2JG	■ ■ -3 ■ T1 -Z	70	-	-	-
9.1 ... 45	630	33.02	1.6	-	2KJ8305-2JG	■ ■ -3 ■ S1 -Z	70	-	-	-
10.8 ... 54	525	27.71	1.9	-	2KJ8305-2JG	■ ■ -3 ■ R1 -Z	70	-	-	-
11.5 ... 58	495	26.08	2	-	2KJ8305-2JG	■ ■ -3 ■ Q1 -Z	70	-	-	-
12.5 ... 63	455	23.93	2.2	-	2KJ8305-2JG	■ ■ -3 ■ P1 -Z	70	-	-	-
14.4 ... 72	395	20.9	2.5	-	2KJ8305-2JG	■ ■ -3 ■ N1 -Z	70	-	-	-
16 ... 80	355	18.71	2.8	-	2KJ8305-2JG	■ ■ -3 ■ M1 -Z	70	-	-	-
18.3 ... 92	310	16.36	3.2	-	2KJ8305-2JG	■ ■ -3 ■ L1 -Z	70	-	-	-
FZ.69-LE100LB.										
8.3 ... 41	690	36.36	0.86	-	2KJ8304-2JG	■ ■ -3 ■ S1 -Z	63	-	-	-
9.2 ... 46	625	32.78	0.96	-	2KJ8304-2JG	■ ■ -3 ■ R1 -Z	63	-	-	-
9.9 ... 50	575	30.26	1	-	2KJ8304-2JG	■ ■ -3 ■ Q1 -Z	63	-	-	-
10.9 ... 54	525	27.62	1.1	-	2KJ8304-2JG	■ ■ -3 ■ P1 -Z	63	-	-	-
13.1 ... 65	435	22.92	1.4	-	2KJ8304-2JG	■ ■ -3 ■ N1 -Z	63	-	-	-
13.9 ... 70	410	21.57	1.5	-	2KJ8304-2JG	■ ■ -3 ■ M1 -Z	63	-	-	-
14.7 ... 74	385	20.37	1.5	-	2KJ8304-2JG	■ ■ -3 ■ L1 -Z	63	-	-	-
17.3 ... 87	330	17.33	1.8	-	2KJ8304-2JG	■ ■ -3 ■ K1 -Z	63	-	-	-
20 ... 101	280	14.85	2.1	-	2KJ8304-2JG	■ ■ -3 ■ J1 -Z	63	-	-	-
23 ... 115	245	13.06	2.4	-	2KJ8304-2JG	■ ■ -3 ■ H1 -Z	63	-	-	-
27 ... 136	210	11.01	2.9	-	2KJ8304-2JG	■ ■ -3 ■ G1 -Z	63	-	-	-
31 ... 156	183	9.6	3.3	-	2KJ8304-2JG	■ ■ -3 ■ F1 -Z	63	-	-	-
FZ.69-LE100LB.										
34 ... 169	170	8.9	2.8	-	2KJ8304-2JG	■ ■ -3 ■ E1 -Z	63	-	-	-
39 ... 197	146	7.62	3.2	-	2KJ8304-2JG	■ ■ -3 ■ D1 -Z	63	-	-	-

Article No. supplements				Order code				Order code	
Motor temperature sensor	without	0	1	1, 2 or 3	B, C, D, E, F or G	Motor temperature sensor	without	0	1
	with Pt1000	0	1			Motor brake	without	0	1
Motor brake	without	1, 2 or 3	B, C, D, E, F or G	Motor brake	with see Seite 5/2	1, 2 or 3	B, C, D, E, F or G	Converter fieldbus communication	see Seite 5/2
(brake voltage 180 V DC)				Special versions	see Chapter 4 „Additional Order options“			...	...

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B -	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
3	FZ.69-LE100LB.							
45 ... 224	128	6.7	6.7	3.4	2KJ8304-2JG	63	-	-
53 ... 265	108	5.66	5.66	3.8	2KJ8304-2JG	63	-	-
FZ.69-LE112MB.								
8.3 ... 41	690	36.36	36.36	0.86	-	-	2KJ8304-4LH	67
9.2 ... 46	625	32.78	32.78	0.96	-	-	2KJ8304-4LH	67
9.9 ... 50	575	30.26	30.26	1	-	-	2KJ8304-4LH	67
10.9 ... 54	525	27.62	27.62	1.1	-	-	2KJ8304-4LH	67
13.1 ... 65	435	22.92	22.92	1.4	-	-	2KJ8304-4LH	67
13.9 ... 70	410	21.57	21.57	1.5	-	-	2KJ8304-4LH	67
14.7 ... 74	385	20.37	20.37	1.5	-	-	2KJ8304-4LH	67
17.3 ... 87	330	17.33	17.33	1.8	-	-	2KJ8304-4LH	67
20 ... 101	280	14.85	14.85	2.1	-	-	2KJ8304-4LH	67
23 ... 115	245	13.06	13.06	2.4	-	-	2KJ8304-4LH	67
27 ... 136	210	11.01	11.01	2.9	-	-	2KJ8304-4LH	67
31 ... 156	183	9.6	9.6	3.3	-	-	2KJ8304-4LH	67
34 ... 169	170	8.9	8.9	2.8	-	-	2KJ8304-4LH	67
39 ... 197	146	7.62	7.62	3.2	-	-	2KJ8304-4LH	67
45 ... 224	128	6.7	6.7	3.4	-	-	2KJ8304-4LH	67
53 ... 265	108	5.66	5.66	3.8	-	-	2KJ8304-4LH	67
FZ.49-LE100LB.								
9.6 ... 48	595	31.14	31.14	0.81	2KJ8303-2JG	59	-	-
10.4 ... 52	545	28.74	28.74	0.87	2KJ8303-2JG	59	-	-
11.4 ... 57	500	26.24	26.24	0.96	2KJ8303-2JG	59	-	-
13.8 ... 69	415	21.77	21.77	1.2	2KJ8303-2JG	59	-	-
14.6 ... 73	390	20.49	20.49	1.2	2KJ8303-2JG	59	-	-
15.5 ... 78	370	19.35	19.35	1.3	2KJ8303-2JG	59	-	-
18.2 ... 91	315	16.47	16.47	1.5	2KJ8303-2JG	59	-	-
21 ... 106	270	14.11	14.11	1.8	2KJ8303-2JG	59	-	-
24 ... 121	235	12.4	12.4	2	2KJ8303-2JG	59	-	-
29 ... 143	200	10.46	10.46	2.4	2KJ8303-2JG	59	-	-
33 ... 164	174	9.12	9.12	2.8	2KJ8303-2JG	59	-	-
36 ... 179	160	8.4	8.4	2.8	2KJ8303-2JG	59	-	-
42 ... 208	138	7.2	7.2	3.3	2KJ8303-2JG	59	-	-
47 ... 237	121	6.33	6.33	3.6	2KJ8303-2JG	59	-	-
56 ... 281	102	5.34	5.34	3.9	2KJ8303-2JG	59	-	-
FZ.49-LE112MB.								
9.6 ... 48	595	31.14	31.14	0.81	-	-	2KJ8303-4LH	62
10.4 ... 52	545	28.74	28.74	0.87	-	-	2KJ8303-4LH	62
11.4 ... 57	500	26.24	26.24	0.96	-	-	2KJ8303-4LH	62
13.8 ... 69	415	21.77	21.77	1.2	-	-	2KJ8303-4LH	62
14.6 ... 73	390	20.49	20.49	1.2	-	-	2KJ8303-4LH	62
15.5 ... 78	370	19.35	19.35	1.3	-	-	2KJ8303-4LH	62
18.2 ... 91	315	16.47	16.47	1.5	-	-	2KJ8303-4LH	62
21 ... 106	270	14.11	14.11	1.8	-	-	2KJ8303-4LH	62
24 ... 121	235	12.4	12.4	2	-	-	2KJ8303-4LH	62
29 ... 143	200	10.46	10.46	2.4	-	-	2KJ8303-4LH	62
33 ... 164	174	9.12	9.12	2.8	-	-	2KJ8303-4LH	62
36 ... 179	160	8.4	8.4	2.8	-	-	2KJ8303-4LH	62
42 ... 208	138	7.2	7.2	3.3	-	-	2KJ8303-4LH	62
47 ... 237	121	6.33	6.33	3.6	-	-	2KJ8303-4LH	62
56 ... 281	102	5.34	5.34	3.9	-	-	2KJ8303-4LH	62
FZ.39-LE112MB.								
24 ... 121	235	12.38	12.38	0.89	-	-	2KJ8302-4LH	54
28 ... 141	200	10.61	10.61	0.98	-	-	2KJ8302-4LH	54
33 ... 164	174	9.13	9.13	1.1	-	-	2KJ8302-4LH	54
37 ... 185	155	8.1	8.1	1.1	-	-	2KJ8302-4LH	54
45 ... 223	129	6.74	6.74	1.2	-	-	2KJ8302-4LH	54
47 ... 236	121	6.35	6.35	1.2	-	-	2KJ8302-4LH	54

Article No. supplements									
Motor temperature sensor	without	0	1					0	1
	with Pt1000								
Motor brake	without	0						0	
(brake voltage 180 V DC)	with see Seite 5/2								
Converter fieldbus communication	see Seite 5/2								
Special versions	see Chapter 4 „Additional Order options“								

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B -	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4				
					Article No. (Article No. supplements see below)	m kg		Article No. (Article No. supplements see below)	m kg			
4	FZ.69-LE112MC.											
13.9 ... 70	545	21.57	1.1		2KJ8304-2LB	■ -3	■ M1 -Z	64	2KJ8304-4LN	■ -3	■ M1 -Z	72
14.7 ... 74	515	20.37	1.2		2KJ8304-2LB	■ -3	■ L1 -Z	64	2KJ8304-4LN	■ -3	■ L1 -Z	72
17.3 ... 87	440	17.33	1.4		2KJ8304-2LB	■ -3	■ K1 -Z	64	2KJ8304-4LN	■ -3	■ K1 -Z	72
20 ... 101	375	14.85	1.6		2KJ8304-2LB	■ -3	■ J1 -Z	64	2KJ8304-4LN	■ -3	■ J1 -Z	72
23 ... 115	330	13.06	1.8		2KJ8304-2LB	■ -3	■ H1 -Z	64	2KJ8304-4LN	■ -3	■ H1 -Z	72
27 ... 136	280	11.01	2.1		2KJ8304-2LB	■ -3	■ G1 -Z	64	2KJ8304-4LN	■ -3	■ G1 -Z	72
31 ... 156	240	9.6	2.5		2KJ8304-2LB	■ -3	■ F1 -Z	64	2KJ8304-4LN	■ -3	■ F1 -Z	72
34 ... 169	225	8.9	2.1		2KJ8304-2LB	■ -3	■ E1 -Z	64	2KJ8304-4LN	■ -3	■ E1 -Z	72
39 ... 197	194	7.62	2.4		2KJ8304-2LB	■ -3	■ D1 -Z	64	2KJ8304-4LN	■ -3	■ D1 -Z	72
45 ... 224	171	6.7	2.6		2KJ8304-2LB	■ -3	■ C1 -Z	64	2KJ8304-4LN	■ -3	■ C1 -Z	72
53 ... 265	144	5.66	2.8		2KJ8304-2LB	■ -3	■ B1 -Z	64	2KJ8304-4LN	■ -3	■ B1 -Z	72
61 ... 304	126	4.93	3.1		2KJ8304-2LB	■ -3	■ A1 -Z	64	2KJ8304-4LN	■ -3	■ A1 -Z	72
FZ.49-LE112MC.												
13.8 ... 69	550	21.77	0.87		2KJ8303-2LB	■ -3	■ N1 -Z	59	2KJ8303-4LN	■ -3	■ N1 -Z	67
14.6 ... 73	520	20.49	0.92		2KJ8303-2LB	■ -3	■ M1 -Z	59	2KJ8303-4LN	■ -3	■ M1 -Z	67
15.5 ... 78	490	19.35	0.97		2KJ8303-2LB	■ -3	■ L1 -Z	59	2KJ8303-4LN	■ -3	■ L1 -Z	67
18.2 ... 91	415	16.47	1.1		2KJ8303-2LB	■ -3	■ K1 -Z	59	2KJ8303-4LN	■ -3	■ K1 -Z	67
21 ... 106	355	14.11	1.3		2KJ8303-2LB	■ -3	■ J1 -Z	59	2KJ8303-4LN	■ -3	■ J1 -Z	67
24 ... 121	315	12.4	1.5		2KJ8303-2LB	■ -3	■ H1 -Z	59	2KJ8303-4LN	■ -3	■ H1 -Z	67
29 ... 143	265	10.46	1.8		2KJ8303-2LB	■ -3	■ G1 -Z	59	2KJ8303-4LN	■ -3	■ G1 -Z	67
33 ... 164	230	9.12	2.1		2KJ8303-2LB	■ -3	■ F1 -Z	59	2KJ8303-4LN	■ -3	■ F1 -Z	67
36 ... 179	210	8.4	2.1		2KJ8303-2LB	■ -3	■ E1 -Z	59	2KJ8303-4LN	■ -3	■ E1 -Z	67
42 ... 208	183	7.2	2.5		2KJ8303-2LB	■ -3	■ D1 -Z	59	2KJ8303-4LN	■ -3	■ D1 -Z	67
47 ... 237	161	6.33	2.7		2KJ8303-2LB	■ -3	■ C1 -Z	59	2KJ8303-4LN	■ -3	■ C1 -Z	67
56 ... 281	136	5.34	2.9		2KJ8303-2LB	■ -3	■ B1 -Z	59	2KJ8303-4LN	■ -3	■ B1 -Z	67
65 ... 323	118	4.65	3.2		2KJ8303-2LB	■ -3	■ A1 -Z	59	2KJ8303-4LN	■ -3	■ A1 -Z	67
FZ.39-LE112MC.												
33 ... 164	230	9.13	0.81		2KJ8302-2LB	■ -3	■ H1 -Z	51	2KJ8302-4LN	■ -3	■ H1 -Z	59
37 ... 185	205	8.1	0.81		2KJ8302-2LB	■ -3	■ G1 -Z	51	2KJ8302-4LN	■ -3	■ G1 -Z	59
45 ... 223	172	6.74	0.89		2KJ8302-2LB	■ -3	■ F1 -Z	51	2KJ8302-4LN	■ -3	■ F1 -Z	59
47 ... 236	162	6.35	0.92		2KJ8302-2LB	■ -3	■ E1 -Z	51	2KJ8302-4LN	■ -3	■ E1 -Z	59
53 ... 264	145	5.69	0.97		2KJ8302-2LB	■ -3	■ D1 -Z	51	2KJ8302-4LN	■ -3	■ D1 -Z	59
62 ... 310	123	4.84	1		2KJ8302-2LB	■ -3	■ C1 -Z	51	2KJ8302-4LN	■ -3	■ C1 -Z	59
72 ... 361	106	4.15	1.1		2KJ8302-2LB	■ -3	■ B1 -Z	51	2KJ8302-4LN	■ -3	■ B1 -Z	59
84 ... 420	91	3.57	1.2		2KJ8302-2LB	■ -3	■ A1 -Z	51	2KJ8302-4LN	■ -3	■ A1 -Z	59

Article No. supplements

Motor temperature sensor	without with Pt1000	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	0 1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...

Order code

Order code

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm

P _N	n ₂	T ₂	i	f _B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
kW	rpm	Nm	-	-				
0.55	FD.79-LE71MB.							
	0.84 ... 8.4	625	357	1.6	2KJ8405-2CG	44	-	-
	0.92 ... 9.2	565	324.62	1.8	2KJ8405-2CG	44	-	-
	1.1 ... 10.9	480	276.09	2.1	2KJ8405-2CG	44	-	-
	1.2 ... 12	435	250.99	2.3	2KJ8405-2CG	44	-	-
	1.3 ... 13.4	390	223.94	2.6	2KJ8405-2CG	44	-	-
	1.5 ... 14.9	350	200.8	2.8	2KJ8405-2CG	44	-	-
	FD.69-LE71MB.							
	0.86 ... 8.6	610	348.4	0.98	2KJ8404-2CG	37	-	-
	0.97 ... 9.7	540	309.78	1.1	2KJ8404-2CG	37	-	-
	1.1 ... 11	475	272	1.3	2KJ8404-2CG	37	-	-
	1.2 ... 12.1	430	247.27	1.4	2KJ8404-2CG	37	-	-
	1.4 ... 14.2	370	211.56	1.6	2KJ8404-2CG	37	-	-
	1.6 ... 15.6	335	192.32	1.8	2KJ8404-2CG	37	-	-
	1.8 ... 17.6	295	170	2	2KJ8404-2CG	37	-	-
1.9 ... 19.4	270	154.55	2.2	2KJ8404-2CG	37	-	-	
2.2 ... 22	235	135.37	2.5	2KJ8404-2CG	37	-	-	
2.4 ... 24	215	124.96	2.7	2KJ8404-2CG	37	-	-	
2.7 ... 27	194	110.63	3.1	2KJ8404-2CG	37	-	-	
FD.49-LE71MB.								
0.91 ... 9.1	575	330.98	0.83	2KJ8403-2CG	32	-	-	
1 ... 10.2	515	294.29	0.93	2KJ8403-2CG	32	-	-	
1.2 ... 11.6	450	258.4	1.1	2KJ8403-2CG	32	-	-	
1.3 ... 12.8	410	234.91	1.2	2KJ8403-2CG	32	-	-	
1.5 ... 14.9	350	200.98	1.4	2KJ8403-2CG	32	-	-	
1.6 ... 16.4	320	182.71	1.5	2KJ8403-2CG	32	-	-	
1.9 ... 18.6	280	161.5	1.7	2KJ8403-2CG	32	-	-	
2 ... 20	255	146.82	1.9	2KJ8403-2CG	32	-	-	
2.3 ... 23	225	128.6	2.1	2KJ8403-2CG	32	-	-	
2.5 ... 25	205	118.71	2.3	2KJ8403-2CG	32	-	-	
2.9 ... 29	184	105.1	2.6	2KJ8403-2CG	32	-	-	
3.4 ... 34	153	87.48	3.1	2KJ8403-2CG	32	-	-	
FD.39-LE71MB.								
1.6 ... 15.6	335	191.87	0.86	2KJ8402-2CG	23	-	-	
1.8 ... 18.2	285	164.56	1	2KJ8402-2CG	23	-	-	
2 ... 20	260	149.6	1.1	2KJ8402-2CG	23	-	-	
2.3 ... 23	230	131.17	1.3	2KJ8402-2CG	23	-	-	
2.6 ... 26	205	117.08	1.4	2KJ8402-2CG	23	-	-	
2.9 ... 29	183	104.34	1.6	2KJ8402-2CG	23	-	-	
3.1 ... 31	169	96.31	1.7	2KJ8402-2CG	23	-	-	
3.6 ... 36	148	84.32	2	2KJ8402-2CG	23	-	-	
4.1 ... 41	129	73.93	2.2	2KJ8402-2CG	23	-	-	
4.5 ... 45	117	67.07	2.5	2KJ8402-2CG	23	-	-	
4.8 ... 48	111	63.13	2.6	2KJ8402-2CG	23	-	-	
5.4 ... 54	97	55.65	3	2KJ8402-2CG	23	-	-	
FZ.39-LE71MB.								
4.6 ... 46	114	65.21	2.5	2KJ8302-2CG	23	-	-	
5.2 ... 52	102	57.99	2.3	2KJ8302-2CG	23	-	-	
5.9 ... 59	89	50.91	2.7	2KJ8302-2CG	23	-	-	
6.5 ... 65	81	46.29	3.1	2KJ8302-2CG	23	-	-	
FD.29-LE71MB.								
2.9 ... 29	181	103.36	0.83	2KJ8401-2CG	17	-	-	
3.3 ... 33	157	89.78	0.95	2KJ8401-2CG	17	-	-	
3.8 ... 38	137	78.02	1.1	2KJ8401-2CG	17	-	-	
4.3 ... 43	123	70.43	1.2	2KJ8401-2CG	17	-	-	
4.5 ... 45	116	66.29	1.3	2KJ8401-2CG	17	-	-	
5.2 ... 52	101	57.79	1.5	2KJ8401-2CG	17	-	-	
FZ.29-LE71MB.								
5.3 ... 53	99	56.73	1.5	2KJ8301-2CG	16	-	-	

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	0 1, 2 or 3	0 1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...	...+...

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm										
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	Article No.	m
					(Article No. supplements see below)	kg	(Article No. supplements see below)	kg	(Article No. supplements see below)	kg
0.75	FD.39-LE80MA.									
5.4 ... 54		133	55.65	2.2	2KJ8402-2EB	27	2KJ8402-4EC	27		
6.2 ... 62		115	48.29	2.5	2KJ8402-2EB	27	2KJ8402-4EC	27		
FZ.39-LE80MA.										
5.2 ... 52		138	57.99	1.7	2KJ8302-2EB	27	2KJ8302-4EC	27		
5.9 ... 59		122	50.91	2	2KJ8302-2EB	27	2KJ8302-4EC	27		
6.5 ... 65		111	46.29	2.3	2KJ8302-2EB	27	2KJ8302-4EC	27		
7.6 ... 76		94	39.6	3.1	2KJ8302-2EB	27	2KJ8302-4EC	27		
8.3 ... 83		86	36	3	2KJ8302-2EB	27	2KJ8302-4EC	27		
FD.29-LE80MA.										
3.8 ... 38		186	78.02	0.81	2KJ8401-2EB	21	2KJ8401-4EC	21		
4.3 ... 43		168	70.43	0.89	2KJ8401-2EB	21	2KJ8401-4EC	21		
4.5 ... 45		158	66.29	0.95	2KJ8401-2EB	21	2KJ8401-4EC	21		
5.2 ... 52		138	57.79	1.1	2KJ8401-2EB	21	2KJ8401-4EC	21		
FZ.29-LE80MA.										
6 ... 60		120	50.32	1.2	2KJ8301-2EB	21	2KJ8301-4EC	21		
6.9 ... 69		104	43.66	1.4	2KJ8301-2EB	21	2KJ8301-4EC	21		
7.6 ... 76		95	39.69	1.6	2KJ8301-2EB	21	2KJ8301-4EC	21		
8.8 ... 88		81	34.04	1.8	2KJ8301-2EB	21	2KJ8301-4EC	21		
9.7 ... 97		74	30.95	2	2KJ8301-2EB	21	2KJ8301-4EC	21		
11.1 ... 111		65	27.13	2.3	2KJ8301-2EB	21	2KJ8301-4EC	21		
12.4 ... 124		58	24.22	2.6	2KJ8301-2EB	21	2KJ8301-4EC	21		
13.9 ... 139		52	21.58	2.9	2KJ8301-2EB	21	2KJ8301-4EC	21		
15.1 ... 151		48	19.92	3.2	2KJ8301-2EB	21	2KJ8301-4EC	21		
17.2 ... 172		42	17.44	3.6	2KJ8301-2EB	21	2KJ8301-4EC	21		
1.1	FD.89-LE80MB.									
0.89 ... 8.9		1170	335.3	1.6	2KJ8406-2EG	79	2KJ8406-4EH	82		
0.98 ... 9.8		1060	304.82	1.7	2KJ8406-2EG	79	2KJ8406-4EH	82		
1.1 ... 11		955	273.41	1.9	2KJ8406-2EG	79	2KJ8406-4EH	82		
1.2 ... 12.2		860	245.82	2.1	2KJ8406-2EG	79	2KJ8406-4EH	82		
1.3 ... 13.5		775	222.33	2.4	2KJ8406-2EG	79	2KJ8406-4EH	82		
1.5 ... 14.6		715	205.23	2.6	2KJ8406-2EG	79	2KJ8406-4EH	82		
1.6 ... 16		655	188	2.8	2KJ8406-2EG	79	2KJ8406-4EH	82		
FD.79-LE80MB.										
0.84 ... 8.4		1250	357	0.8	2KJ8405-2EG	48	2KJ8405-4EH	51		
0.92 ... 9.2		1130	324.62	0.88	2KJ8405-2EG	48	2KJ8405-4EH	51		
1.1 ... 10.9		965	276.09	1	2KJ8405-2EG	48	2KJ8405-4EH	51		
1.2 ... 12		875	250.99	1.1	2KJ8405-2EG	48	2KJ8405-4EH	51		
1.3 ... 13.4		780	223.94	1.3	2KJ8405-2EG	48	2KJ8405-4EH	51		
1.5 ... 14.9		700	200.8	1.4	2KJ8405-2EG	48	2KJ8405-4EH	51		
1.7 ... 16.6		630	180.99	1.6	2KJ8405-2EG	48	2KJ8405-4EH	51		
1.8 ... 18		585	167.07	1.7	2KJ8405-2EG	48	2KJ8405-4EH	51		
2 ... 19.7		530	152.51	1.9	2KJ8405-2EG	48	2KJ8405-4EH	51		
2.4 ... 24		440	126.54	2.3	2KJ8405-2EG	48	2KJ8405-4EH	51		
2.5 ... 25		415	119.1	2.4	2KJ8405-2EG	48	2KJ8405-4EH	51		
2.7 ... 27		390	112.48	2.5	2KJ8405-2EG	48	2KJ8405-4EH	51		
3.1 ... 31		335	95.71	3	2KJ8405-2EG	48	2KJ8405-4EH	51		
FD.69-LE80MB.										
1.4 ... 14.2		740	211.56	0.81	2KJ8404-2EG	41	2KJ8404-4EH	44		
1.6 ... 15.6		670	192.32	0.89	2KJ8404-2EG	41	2KJ8404-4EH	44		
1.8 ... 17.6		595	170	1	2KJ8404-2EG	41	2KJ8404-4EH	44		
1.9 ... 19.4		540	154.55	1.1	2KJ8404-2EG	41	2KJ8404-4EH	44		
2.2 ... 22		470	135.37	1.3	2KJ8404-2EG	41	2KJ8404-4EH	44		
2.4 ... 24		435	124.96	1.4	2KJ8404-2EG	41	2KJ8404-4EH	44		
2.7 ... 27		385	110.63	1.5	2KJ8404-2EG	41	2KJ8404-4EH	44		
3.3 ... 33		320	92.08	1.9	2KJ8404-2EG	41	2KJ8404-4EH	44		
3.5 ... 35		300	86.67	2	2KJ8404-2EG	41	2KJ8404-4EH	44		
3.9 ... 39		270	77.65	2.2	2KJ8404-2EG	41	2KJ8404-4EH	44		
4.5 ... 45		230	66.11	2.6	2KJ8404-2EG	41	2KJ8404-4EH	44		

Article No. supplements

Option	0	1	Order code
Motor temperature sensor	without	with Pt1000	
Motor brake (brake voltage 180 V DC)	without	with see Seite 5/2	
Converter fieldbus communication	see Seite 5/2		
Special versions	see Chapter 4 „Additional Order options“		

Order code: 1, 2 or 3; B, C, D, E, F or G

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm								
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
kW	rpm	Nm	-	-	Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
3	FZ.89-LE100LA.							
	4.9 ... 49	585	61.72	3.1	2KJ8306-2JB ■■■ -4 ■ B2 -Z	101	-	-
	FZ.89-LE112MA.							
	4.9 ... 49	585	61.72	3.1	-	-	2KJ8306-4LC ■■■ -4 ■ B2 -Z	104
	FD.79-LE100LA.							
	2.4 ... 24	1200	126.54	0.83	2KJ8405-2JB ■■■ -4 ■ H1 -Z	71	-	-
	2.5 ... 25	1130	119.1	0.88	2KJ8405-2JB ■■■ -4 ■ G1 -Z	71	-	-
	2.7 ... 27	1070	112.48	0.93	2KJ8405-2JB ■■■ -4 ■ F1 -Z	71	-	-
	3.1 ... 31	910	95.71	1.1	2KJ8405-2JB ■■■ -4 ■ E1 -Z	71	-	-
	3.7 ... 37	780	81.99	1.3	2KJ8405-2JB ■■■ -4 ■ D1 -Z	71	-	-
	4.2 ... 42	685	72.09	1.5	2KJ8405-2JB ■■■ -4 ■ C1 -Z	71	-	-
	4.9 ... 49	580	60.82	1.7	2KJ8405-2JB ■■■ -4 ■ B1 -Z	71	-	-
	5.7 ... 57	505	53.01	2	2KJ8405-2JB ■■■ -4 ■ A1 -Z	71	-	-
	FD.79-LE112MA.							
	2.4 ... 24	1200	126.54	0.83	-	-	2KJ8405-4LC ■■■ -4 ■ H1 -Z	75
	2.5 ... 25	1130	119.1	0.88	-	-	2KJ8405-4LC ■■■ -4 ■ G1 -Z	75
	2.7 ... 27	1070	112.48	0.93	-	-	2KJ8405-4LC ■■■ -4 ■ F1 -Z	75
	3.1 ... 31	910	95.71	1.1	-	-	2KJ8405-4LC ■■■ -4 ■ E1 -Z	75
	3.7 ... 37	780	81.99	1.3	-	-	2KJ8405-4LC ■■■ -4 ■ D1 -Z	75
	4.2 ... 42	685	72.09	1.5	-	-	2KJ8405-4LC ■■■ -4 ■ C1 -Z	75
	4.9 ... 49	580	60.82	1.7	-	-	2KJ8405-4LC ■■■ -4 ■ B1 -Z	75
	5.7 ... 57	505	53.01	2	-	-	2KJ8405-4LC ■■■ -4 ■ A1 -Z	75
	FZ.79-LE100LA.							
	6.2 ... 62	455	48.03	2.2	2KJ8305-2JB ■■■ -4 ■ W1 -Z	70	-	-
	6.9 ... 69	410	43.18	2.4	2KJ8305-2JB ■■■ -4 ■ V1 -Z	70	-	-
	7.7 ... 77	370	39.06	2.7	2KJ8305-2JB ■■■ -4 ■ U1 -Z	70	-	-
	8.3 ... 83	340	36.05	2.9	2KJ8305-2JB ■■■ -4 ■ T1 -Z	70	-	-
	9.1 ... 91	315	33.02	3.2	2KJ8305-2JB ■■■ -4 ■ S1 -Z	70	-	-
	FZ.79-LE112MA.							
	6.2 ... 62	455	48.03	2.2	-	-	2KJ8305-4LC ■■■ -4 ■ W1 -Z	74
6.9 ... 69	410	43.18	2.4	-	-	2KJ8305-4LC ■■■ -4 ■ V1 -Z	74	
7.7 ... 77	370	39.06	2.7	-	-	2KJ8305-4LC ■■■ -4 ■ U1 -Z	74	
8.3 ... 83	340	36.05	2.9	-	-	2KJ8305-4LC ■■■ -4 ■ T1 -Z	74	
9.1 ... 91	315	33.02	3.2	-	-	2KJ8305-4LC ■■■ -4 ■ S1 -Z	74	
FD.69-LE100LA.								
3.9 ... 39	740	77.65	0.81	2KJ8404-2JB ■■■ -4 ■ D1 -Z	64	-	-	
4.5 ... 45	630	66.11	0.95	2KJ8404-2JB ■■■ -4 ■ C1 -Z	64	-	-	
5.3 ... 53	540	56.67	1.1	2KJ8404-2JB ■■■ -4 ■ B1 -Z	64	-	-	
6.1 ... 61	465	48.8	1.3	2KJ8404-2JB ■■■ -4 ■ A1 -Z	64	-	-	
FD.69-LE112MA.								
3.9 ... 39	740	77.65	0.81	-	-	2KJ8404-4LC ■■■ -4 ■ D1 -Z	68	
4.5 ... 45	630	66.11	0.95	-	-	2KJ8404-4LC ■■■ -4 ■ C1 -Z	68	
5.3 ... 53	540	56.67	1.1	-	-	2KJ8404-4LC ■■■ -4 ■ B1 -Z	68	
6.1 ... 61	465	48.8	1.3	-	-	2KJ8404-4LC ■■■ -4 ■ A1 -Z	68	
FZ.69-LE100LA.								
7.4 ... 74	385	40.56	1.5	2KJ8304-2JB ■■■ -4 ■ T1 -Z	63	-	-	
8.3 ... 83	345	36.36	1.7	2KJ8304-2JB ■■■ -4 ■ S1 -Z	63	-	-	
9.2 ... 92	310	32.78	1.9	2KJ8304-2JB ■■■ -4 ■ R1 -Z	63	-	-	
9.9 ... 99	285	30.26	2.1	2KJ8304-2JB ■■■ -4 ■ Q1 -Z	63	-	-	
10.9 ... 109	260	27.62	2.3	2KJ8304-2JB ■■■ -4 ■ P1 -Z	63	-	-	
13.1 ... 131	215	22.92	2.7	2KJ8304-2JB ■■■ -4 ■ N1 -Z	63	-	-	
13.9 ... 139	205	21.57	2.9	2KJ8304-2JB ■■■ -4 ■ M1 -Z	63	-	-	
14.7 ... 147	195	20.37	3.1	2KJ8304-2JB ■■■ -4 ■ L1 -Z	63	-	-	
17.3 ... 173	166	17.33	3.6	2KJ8304-2JB ■■■ -4 ■ K1 -Z	63	-	-	
FZ.69-LE112MA.								
7.4 ... 74	385	40.56	1.5	-	-	2KJ8304-4LC ■■■ -4 ■ T1 -Z	67	
8.3 ... 83	345	36.36	1.7	-	-	2KJ8304-4LC ■■■ -4 ■ S1 -Z	67	
9.2 ... 92	310	32.78	1.9	-	-	2KJ8304-4LC ■■■ -4 ■ R1 -Z	67	
9.9 ... 99	285	30.26	2.1	-	-	2KJ8304-4LC ■■■ -4 ■ Q1 -Z	67	

Article No. supplements					
Motor temperature sensor	without with Pt1000	0 1			
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	0	1, 2 or 3		
Converter fieldbus communication	see Seite 5/2		B, C, D, E, F or G		
Special versions	see Chapter 4 „Additional Order options“				...+...

Innomatics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm									
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4	
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	
					(Article No. supplements see below)	kg	(Article No. supplements see below)	kg	
3	FZ.69-LE112MA.								
	10.9 ... 109	260	27.62	2.3	-	-	2KJ8304-4LC	67	
	13.1 ... 131	215	22.92	2.7	-	-	2KJ8304-4LC	67	
	13.9 ... 139	205	21.57	2.9	-	-	2KJ8304-4LC	67	
	14.7 ... 147	195	20.37	3.1	-	-	2KJ8304-4LC	67	
	17.3 ... 173	166	17.33	3.6	-	-	2KJ8304-4LC	67	
	FD.49-LE112MA.								
	4.8 ... 48	600	62.81	0.8	-	-	2KJ8403-4LC	63	
	5.6 ... 56	510	53.83	0.93	-	-	2KJ8403-4LC	63	
	6.5 ... 65	440	46.36	1.1	-	-	2KJ8403-4LC	63	
	FD.49-LE100LA.								
	4.8 ... 48	600	62.81	0.8	2KJ8403-2JB	59	-	-	
	5.6 ... 56	510	53.83	0.93	2KJ8403-2JB	59	-	-	
	6.5 ... 65	440	46.36	1.1	2KJ8403-2JB	59	-	-	
	FZ.49-LE112MA.								
	7.8 ... 78	365	38.53	1.3	-	-	2KJ8303-4LC	62	
	8.7 ... 87	330	34.55	1.5	-	-	2KJ8303-4LC	62	
	9.6 ... 96	295	31.14	1.6	-	-	2KJ8303-4LC	62	
	10.4 ... 104	270	28.74	1.7	-	-	2KJ8303-4LC	62	
	11.4 ... 114	250	26.24	1.9	-	-	2KJ8303-4LC	62	
	13.8 ... 138	205	21.77	2.3	-	-	2KJ8303-4LC	62	
	14.6 ... 146	196	20.49	2.5	-	-	2KJ8303-4LC	62	
	15.5 ... 155	185	19.35	2.6	-	-	2KJ8303-4LC	62	
	18.2 ... 182	157	16.47	3.1	-	-	2KJ8303-4LC	62	
	21 ... 213	135	14.11	3.6	-	-	2KJ8303-4LC	62	
	FZ.49-LE100LA.								
	7.8 ... 78	365	38.53	1.3	2KJ8303-2JB	59	-	-	
	8.7 ... 87	330	34.55	1.5	2KJ8303-2JB	59	-	-	
	9.6 ... 96	295	31.14	1.6	2KJ8303-2JB	59	-	-	
	10.4 ... 104	270	28.74	1.7	2KJ8303-2JB	59	-	-	
	11.4 ... 114	250	26.24	1.9	2KJ8303-2JB	59	-	-	
	13.8 ... 138	205	21.77	2.3	2KJ8303-2JB	59	-	-	
	14.6 ... 146	196	20.49	2.5	2KJ8303-2JB	59	-	-	
	15.5 ... 155	185	19.35	2.6	2KJ8303-2JB	59	-	-	
	18.2 ... 182	157	16.47	3.1	2KJ8303-2JB	59	-	-	
	21 ... 213	135	14.11	3.6	2KJ8303-2JB	59	-	-	
	FZ.39-LE112MA.								
	9.4 ... 94	300	31.82	0.94	-	-	2KJ8302-4LC	54	
	10.4 ... 104	275	28.93	1	-	-	2KJ8302-4LC	54	
	11.8 ... 118	240	25.34	1.1	-	-	2KJ8302-4LC	54	
	12.8 ... 128	220	23.39	1.2	-	-	2KJ8302-4LC	54	
	14.5 ... 145	198	20.71	1.3	-	-	2KJ8302-4LC	54	
	17.4 ... 174	165	17.24	1.4	-	-	2KJ8302-4LC	54	
	18.5 ... 185	155	16.22	1.5	-	-	2KJ8302-4LC	54	
	21 ... 206	139	14.54	1.6	-	-	2KJ8302-4LC	54	
	24 ... 242	118	12.38	1.8	-	-	2KJ8302-4LC	54	
	28 ... 283	101	10.61	2	-	-	2KJ8302-4LC	54	
	33 ... 329	87	9.13	2.2	-	-	2KJ8302-4LC	54	
	37 ... 370	77	8.1	2.2	-	-	2KJ8302-4LC	54	
	45 ... 445	64	6.74	2.4	-	-	2KJ8302-4LC	54	
	47 ... 472	61	6.35	2.5	-	-	2KJ8302-4LC	54	
	53 ... 527	54	5.69	2.6	-	-	2KJ8302-4LC	54	
	62 ... 620	46	4.84	2.8	-	-	2KJ8302-4LC	54	
	72 ... 723	40	4.15	3	-	-	2KJ8302-4LC	54	
84 ... 840	34	3.57	3.2	-	-	2KJ8302-4LC	54		
FZ.39-LE100LA.									
9.4 ... 94	300	31.82	0.94	2KJ8302-2JB	48	-	-		
10.4 ... 104	275	28.93	1	2KJ8302-2JB	48	-	-		
11.8 ... 118	240	25.34	1.1	2KJ8302-2JB	48	-	-		

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	0 1, 2 or 3	
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G	
Special versions	see Chapter 4 „Additional Order options“	...+...	

Parallel shaft geared motors

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm												
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4				
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	Article No.	m		
					(Article No. supplements see below)			(Article No. supplements see below)				
3	FZ.39-LE100LA.											
	12.8 ... 128	220	23.39	1.2	2KJ8302-2JB	48	2KJ8302-2JB	48	2KJ8302-2JB	48		
	14.5 ... 145	198	20.71	1.3	2KJ8302-2JB	48	2KJ8302-2JB	48	2KJ8302-2JB	48		
	17.4 ... 174	165	17.24	1.4	2KJ8302-2JB	48	2KJ8302-2JB	48	2KJ8302-2JB	48		
	18.5 ... 185	155	16.22	1.5	2KJ8302-2JB	48	2KJ8302-2JB	48	2KJ8302-2JB	48		
	21 ... 206	139	14.54	1.6	2KJ8302-2JB	48	2KJ8302-2JB	48	2KJ8302-2JB	48		
	24 ... 242	118	12.38	1.8	2KJ8302-2JB	48	2KJ8302-2JB	48	2KJ8302-2JB	48		
	28 ... 283	101	10.61	2	2KJ8302-2JB	48	2KJ8302-2JB	48	2KJ8302-2JB	48		
	33 ... 329	87	9.13	2.2	2KJ8302-2JB	48	2KJ8302-2JB	48	2KJ8302-2JB	48		
	37 ... 370	77	8.1	2.2	2KJ8302-2JB	48	2KJ8302-2JB	48	2KJ8302-2JB	48		
	45 ... 445	64	6.74	2.4	2KJ8302-2JB	48	2KJ8302-2JB	48	2KJ8302-2JB	48		
	47 ... 472	61	6.35	2.5	2KJ8302-2JB	48	2KJ8302-2JB	48	2KJ8302-2JB	48		
	53 ... 527	54	5.69	2.6	2KJ8302-2JB	48	2KJ8302-2JB	48	2KJ8302-2JB	48		
	62 ... 620	46	4.84	2.8	2KJ8302-2JB	48	2KJ8302-2JB	48	2KJ8302-2JB	48		
	72 ... 723	40	4.15	3	2KJ8302-2JB	48	2KJ8302-2JB	48	2KJ8302-2JB	48		
	84 ... 840	34	3.57	3.2	2KJ8302-2JB	48	2KJ8302-2JB	48	2KJ8302-2JB	48		
	4	FD.89-LE100LB.										
		1.9 ... 19	2000	157.74	0.92	2KJ8406-2JG	102	2KJ8406-2JG	102	2KJ8406-2JG	102	
		2 ... 20	1890	148.46	0.98	2KJ8406-2JG	102	2KJ8406-2JG	102	2KJ8406-2JG	102	
		2.2 ... 22	1730	136.21	1.1	2KJ8406-2JG	102	2KJ8406-2JG	102	2KJ8406-2JG	102	
		2.5 ... 25	1510	118.98	1.2	2KJ8406-2JG	102	2KJ8406-2JG	102	2KJ8406-2JG	102	
		2.8 ... 28	1350	106.52	1.4	2KJ8406-2JG	102	2KJ8406-2JG	102	2KJ8406-2JG	102	
		3.2 ... 32	1180	93.14	1.6	2KJ8406-2JG	102	2KJ8406-2JG	102	2KJ8406-2JG	102	
		3.8 ... 38	1010	79.95	1.8	2KJ8406-2JG	102	2KJ8406-2JG	102	2KJ8406-2JG	102	
		4.2 ... 42	900	70.67	2.1	2KJ8406-2JG	102	2KJ8406-2JG	102	2KJ8406-2JG	102	
		5 ... 50	765	60.09	2.4	2KJ8406-2JG	102	2KJ8406-2JG	102	2KJ8406-2JG	102	
		5.8 ... 58	655	51.51	2.8	2KJ8406-2JG	102	2KJ8406-2JG	102	2KJ8406-2JG	102	
		4	FD.89-LE112MB.									
			1.9 ... 19	2000	157.74	0.92	-	-	2KJ8406-4LH	105	2KJ8406-4LH	105
			2 ... 20	1890	148.46	0.98	-	-	2KJ8406-4LH	105	2KJ8406-4LH	105
			2.2 ... 22	1730	136.21	1.1	-	-	2KJ8406-4LH	105	2KJ8406-4LH	105
			2.5 ... 25	1510	118.98	1.2	-	-	2KJ8406-4LH	105	2KJ8406-4LH	105
			2.8 ... 28	1350	106.52	1.4	-	-	2KJ8406-4LH	105	2KJ8406-4LH	105
3.2 ... 32			1180	93.14	1.6	-	-	2KJ8406-4LH	105	2KJ8406-4LH	105	
3.8 ... 38	1010		79.95	1.8	-	-	2KJ8406-4LH	105	2KJ8406-4LH	105		
4.2 ... 42	900		70.67	2.1	-	-	2KJ8406-4LH	105	2KJ8406-4LH	105		
5 ... 50	765		60.09	2.4	-	-	2KJ8406-4LH	105	2KJ8406-4LH	105		
5.8 ... 58	655		51.51	2.8	-	-	2KJ8406-4LH	105	2KJ8406-4LH	105		
4	FZ.89-LE112MB.											
	4.9 ... 49	785	61.72	2.4	-	-	2KJ8306-4LH	104	2KJ8306-4LH	104		
	5.4 ... 54	710	55.72	2.6	-	-	2KJ8306-4LH	104	2KJ8306-4LH	104		
	5.9 ... 59	640	50.54	2.9	-	-	2KJ8306-4LH	104	2KJ8306-4LH	104		
6.4 ... 64	590	46.66	3.1	-	-	2KJ8306-4LH	104	2KJ8306-4LH	104			

Article No. supplements				Order code	
Motor temperature sensor	without with Pt1000	0 1	1, 2 or 3 B, C, D, E, F or G	...	...
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	0 1			
Converter fieldbus communication	see Seite 5/2				
Special versions	see Chapter 4 „Additional Order options“				

Parallel shaft geared motors Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B -	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4			
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg		
4	FZ.89-LE100LB.				2KJ8306-2JG	■ -4 ■ B2 -Z	101	-	-	
	4.9 ... 49	785	61.72	2.4	2KJ8306-2JG	■ -4 ■ A2 -Z	101	-	-	
	5.4 ... 54	710	55.72	2.6	2KJ8306-2JG	■ -4 ■ X1 -Z	101	-	-	
	5.9 ... 59	640	50.54	2.9	2KJ8306-2JG	■ -4 ■ W1 -Z	101	-	-	
	6.4 ... 64	590	46.66	3.1	2KJ8306-2JG					
	FD.79-LE100LB.				2KJ8405-2JG	■ -4 ■ E1 -Z	71	-	-	
	3.1 ... 31	1210	95.71	0.82	2KJ8405-2JG	■ -4 ■ D1 -Z	71	-	-	
	3.7 ... 37	1040	81.99	0.96	2KJ8405-2JG	■ -4 ■ C1 -Z	71	-	-	
	4.2 ... 42	915	72.09	1.1	2KJ8405-2JG	■ -4 ■ B1 -Z	71	-	-	
	4.9 ... 49	770	60.82	1.3	2KJ8405-2JG	■ -4 ■ A1 -Z	71	-	-	
	5.7 ... 57	675	53.01	1.5						
	FD.79-LE112MB.				-		-	2KJ8405-4LH	■ -4 ■ E1 -Z	75
	3.1 ... 31	1210	95.71	0.82	-		-	2KJ8405-4LH	■ -4 ■ D1 -Z	75
	3.7 ... 37	1040	81.99	0.96	-		-	2KJ8405-4LH	■ -4 ■ C1 -Z	75
	4.2 ... 42	915	72.09	1.1	-		-	2KJ8405-4LH	■ -4 ■ B1 -Z	75
	4.9 ... 49	770	60.82	1.3	-		-	2KJ8405-4LH	■ -4 ■ A1 -Z	75
	5.7 ... 57	675	53.01	1.5	-		-			
	FZ.79-LE100LB.				2KJ8305-2JG	■ -4 ■ W1 -Z	70	-	-	
	6.2 ... 62	610	48.03	1.6	2KJ8305-2JG	■ -4 ■ V1 -Z	70	-	-	
	6.9 ... 69	550	43.18	1.8	2KJ8305-2JG	■ -4 ■ U1 -Z	70	-	-	
	7.7 ... 77	495	39.06	2	2KJ8305-2JG	■ -4 ■ T1 -Z	70	-	-	
	8.3 ... 83	455	36.05	2.2	2KJ8305-2JG	■ -4 ■ S1 -Z	70	-	-	
	9.1 ... 91	420	33.02	2.4	2KJ8305-2JG	■ -4 ■ R1 -Z	70	-	-	
	10.8 ... 108	350	27.71	2.8	2KJ8305-2JG	■ -4 ■ Q1 -Z	70	-	-	
	11.5 ... 115	330	26.08	3	2KJ8305-2JG	■ -4 ■ P1 -Z	70	-	-	
	12.5 ... 125	305	23.93	3.3						
	FZ.79-LE112MB.				-		-	2KJ8305-4LH	■ -4 ■ W1 -Z	74
	6.2 ... 62	610	48.03	1.6	-		-	2KJ8305-4LH	■ -4 ■ V1 -Z	74
	6.9 ... 69	550	43.18	1.8	-		-	2KJ8305-4LH	■ -4 ■ U1 -Z	74
	7.7 ... 77	495	39.06	2	-		-	2KJ8305-4LH	■ -4 ■ T1 -Z	74
	8.3 ... 83	455	36.05	2.2	-		-	2KJ8305-4LH	■ -4 ■ S1 -Z	74
	9.1 ... 91	420	33.02	2.4	-		-	2KJ8305-4LH	■ -4 ■ R1 -Z	74
	10.8 ... 108	350	27.71	2.8	-		-	2KJ8305-4LH	■ -4 ■ Q1 -Z	74
	11.5 ... 115	330	26.08	3	-		-	2KJ8305-4LH	■ -4 ■ P1 -Z	74
	12.5 ... 125	305	23.93	3.3	-		-			
	FD.69-LE112MB.				-		-	2KJ8404-4LH	■ -4 ■ B1 -Z	68
	5.3 ... 53	720	56.67	0.83	-		-	2KJ8404-4LH	■ -4 ■ A1 -Z	68
	6.1 ... 61	620	48.8	0.97	-		-			
	FD.69-LE100LB.				2KJ8404-2JG	■ -4 ■ B1 -Z	64	-	-	
	5.3 ... 53	720	56.67	0.83	2KJ8404-2JG	■ -4 ■ A1 -Z	64	-	-	
	6.1 ... 61	620	48.8	0.97						
	FZ.69-LE100LB.				2KJ8304-2JG	■ -4 ■ T1 -Z	63	-	-	
	7.4 ... 74	515	40.56	1.2	2KJ8304-2JG	■ -4 ■ S1 -Z	63	-	-	
	8.3 ... 83	460	36.36	1.3	2KJ8304-2JG	■ -4 ■ R1 -Z	63	-	-	
	9.2 ... 92	415	32.78	1.4	2KJ8304-2JG	■ -4 ■ Q1 -Z	63	-	-	
	9.9 ... 99	385	30.26	1.6	2KJ8304-2JG	■ -4 ■ P1 -Z	63	-	-	
	10.9 ... 109	350	27.62	1.7	2KJ8304-2JG	■ -4 ■ N1 -Z	63	-	-	
	13.1 ... 131	290	22.92	2.1	2KJ8304-2JG	■ -4 ■ M1 -Z	63	-	-	
	13.9 ... 139	275	21.57	2.2	2KJ8304-2JG	■ -4 ■ L1 -Z	63	-	-	
	14.7 ... 147	255	20.37	2.3	2KJ8304-2JG	■ -4 ■ K1 -Z	63	-	-	
	17.3 ... 173	220	17.33	2.7	2KJ8304-2JG	■ -4 ■ J1 -Z	63	-	-	
	20 ... 202	189	14.85	3.2	2KJ8304-2JG	■ -4 ■ H1 -Z	63	-	-	
	23 ... 230	166	13.06	3.6						
	FZ.69-LE112MB.				-		-	2KJ8304-4LH	■ -4 ■ T1 -Z	67
	7.4 ... 74	515	40.56	1.2	-		-	2KJ8304-4LH	■ -4 ■ S1 -Z	67
	8.3 ... 83	460	36.36	1.3	-		-	2KJ8304-4LH	■ -4 ■ R1 -Z	67
	9.2 ... 92	415	32.78	1.4	-		-	2KJ8304-4LH	■ -4 ■ Q1 -Z	67
	9.9 ... 99	385	30.26	1.6	-		-	2KJ8304-4LH	■ -4 ■ P1 -Z	67
	10.9 ... 109	350	27.62	1.7	-		-	2KJ8304-4LH	■ -4 ■ N1 -Z	67

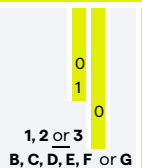
Article No. supplements

Motor temperature sensor without
 with Pt1000

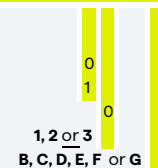
Motor brake without
 (brake voltage 180 V DC) with see Seite 5/2

Converter fieldbus communication see Seite 5/2

Special versions see Chapter 4 „Additional Order options“



Order code
...+...



Order code
...+...

Parallel shaft geared motors

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm											
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4			
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	m		
					(Article No. supplements see below)		(Article No. supplements see below)				
4	FZ.69-LE112MB.										
	13.1 ... 131	290	22.92	2.1	-	-	2KJ8304-4LH	-4	N1	-Z	67
	13.9 ... 139	275	21.57	2.2	-	-	2KJ8304-4LH	-4	M1	-Z	67
	14.7 ... 147	255	20.37	2.3	-	-	2KJ8304-4LH	-4	L1	-Z	67
	17.3 ... 173	220	17.33	2.7	-	-	2KJ8304-4LH	-4	K1	-Z	67
	20 ... 202	189	14.85	3.2	-	-	2KJ8304-4LH	-4	J1	-Z	67
	23 ... 230	166	13.06	3.6	-	-	2KJ8304-4LH	-4	H1	-Z	67
	FD.49-LE112MB.										
	6.5 ... 65	590	46.36	0.81	-	-	2KJ8403-4LH	-4	A1	-Z	63
	FD.49-LE100LB.										
	6.5 ... 65	590	46.36	0.81	-	2KJ8403-2JG	-4	A1	-Z	59	-
	FZ.49-LE100LB.										
	7.8 ... 78	490	38.53	0.98	-	2KJ8303-2JG	-4	T1	-Z	59	-
	8.7 ... 87	440	34.55	1.1	-	2KJ8303-2JG	-4	S1	-Z	59	-
	9.6 ... 96	395	31.14	1.2	-	2KJ8303-2JG	-4	R1	-Z	59	-
	10.4 ... 104	365	28.74	1.3	-	2KJ8303-2JG	-4	Q1	-Z	59	-
	11.4 ... 114	330	26.24	1.4	-	2KJ8303-2JG	-4	P1	-Z	59	-
13.8 ... 138	275	21.77	1.7	-	2KJ8303-2JG	-4	N1	-Z	59	-	
14.6 ... 146	260	20.49	1.8	-	2KJ8303-2JG	-4	M1	-Z	59	-	
15.5 ... 155	245	19.35	1.9	-	2KJ8303-2JG	-4	L1	-Z	59	-	
18.2 ... 182	210	16.47	2.3	-	2KJ8303-2JG	-4	K1	-Z	59	-	
21 ... 213	180	14.11	2.7	-	2KJ8303-2JG	-4	J1	-Z	59	-	
24 ... 242	158	12.4	3	-	2KJ8303-2JG	-4	H1	-Z	59	-	
29 ... 287	133	10.46	3.6	-	2KJ8303-2JG	-4	G1	-Z	59	-	
FZ.49-LE112MB.											
7.8 ... 78	490	38.53	0.98	-	-	-	2KJ8303-4LH	-4	T1	-Z	62
8.7 ... 87	440	34.55	1.1	-	-	-	2KJ8303-4LH	-4	S1	-Z	62
9.6 ... 96	395	31.14	1.2	-	-	-	2KJ8303-4LH	-4	R1	-Z	62
10.4 ... 104	365	28.74	1.3	-	-	-	2KJ8303-4LH	-4	Q1	-Z	62
11.4 ... 114	330	26.24	1.4	-	-	-	2KJ8303-4LH	-4	P1	-Z	62
13.8 ... 138	275	21.77	1.7	-	-	-	2KJ8303-4LH	-4	N1	-Z	62
14.6 ... 146	260	20.49	1.8	-	-	-	2KJ8303-4LH	-4	M1	-Z	62
15.5 ... 155	245	19.35	1.9	-	-	-	2KJ8303-4LH	-4	L1	-Z	62
18.2 ... 182	210	16.47	2.3	-	-	-	2KJ8303-4LH	-4	K1	-Z	62
21 ... 213	180	14.11	2.7	-	-	-	2KJ8303-4LH	-4	J1	-Z	62
24 ... 242	158	12.4	3	-	-	-	2KJ8303-4LH	-4	H1	-Z	62
29 ... 287	133	10.46	3.6	-	-	-	2KJ8303-4LH	-4	G1	-Z	62
FZ.39-LE100LB.											
11.8 ... 118	320	25.34	0.82	-	2KJ8302-2JG	-4	R1	-Z	48	-	
12.8 ... 128	295	23.39	0.87	-	2KJ8302-2JG	-4	Q1	-Z	48	-	
14.5 ... 145	260	20.71	0.95	-	2KJ8302-2JG	-4	P1	-Z	48	-	
17.4 ... 174	220	17.24	1.1	-	2KJ8302-2JG	-4	N1	-Z	48	-	
FZ.39-LE100LB.											
18.5 ... 185	205	16.22	1.1	-	2KJ8302-2JG	-4	M1	-Z	48	-	
21 ... 206	185	14.54	1.2	-	2KJ8302-2JG	-4	L1	-Z	48	-	
24 ... 242	158	12.38	1.3	-	2KJ8302-2JG	-4	K1	-Z	48	-	
28 ... 283	135	10.61	1.5	-	2KJ8302-2JG	-4	J1	-Z	48	-	
33 ... 329	116	9.13	1.6	-	2KJ8302-2JG	-4	H1	-Z	48	-	
37 ... 370	103	8.1	1.6	-	2KJ8302-2JG	-4	G1	-Z	48	-	
45 ... 445	86	6.74	1.8	-	2KJ8302-2JG	-4	F1	-Z	48	-	
47 ... 472	81	6.35	1.8	-	2KJ8302-2JG	-4	E1	-Z	48	-	
53 ... 527	72	5.69	1.9	-	2KJ8302-2JG	-4	D1	-Z	48	-	
62 ... 620	62	4.84	2.1	-	2KJ8302-2JG	-4	C1	-Z	48	-	
72 ... 723	53	4.15	2.2	-	2KJ8302-2JG	-4	B1	-Z	48	-	
84 ... 840	46	3.57	2.4	-	2KJ8302-2JG	-4	A1	-Z	48	-	
FZ.39-LE112MB.											
11.8 ... 118	320	25.34	0.82	-	-	-	2KJ8302-4LH	-4	R1	-Z	54
12.8 ... 128	295	23.39	0.87	-	-	-	2KJ8302-4LH	-4	Q1	-Z	54
14.5 ... 145	260	20.71	0.95	-	-	-	2KJ8302-4LH	-4	P1	-Z	54

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	...
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	0 1, 2 or 3	...
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G	...
Special versions	see Chapter 4 „Additional Order options“		...

Selection and ordering data

Control range 1:10

Innometrics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm

P _N	n ₂	T ₂	i	f _B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
4	FZ.39-LE112MB.							
17.4 ... 174	220	17.24	1.1	-	-	-	2KJ8302-4LH	54
18.5 ... 185	205	16.22	1.1	-	-	-	2KJ8302-4LH	54
21 ... 206	185	14.54	1.2	-	-	-	2KJ8302-4LH	54
24 ... 242	158	12.38	1.3	-	-	-	2KJ8302-4LH	54
28 ... 283	135	10.61	1.5	-	-	-	2KJ8302-4LH	54
33 ... 329	116	9.13	1.6	-	-	-	2KJ8302-4LH	54
37 ... 370	103	8.1	1.6	-	-	-	2KJ8302-4LH	54
45 ... 445	86	6.74	1.8	-	-	-	2KJ8302-4LH	54
47 ... 472	81	6.35	1.8	-	-	-	2KJ8302-4LH	54
53 ... 527	72	5.69	1.9	-	-	-	2KJ8302-4LH	54
62 ... 620	62	4.84	2.1	-	-	-	2KJ8302-4LH	54
72 ... 723	53	4.15	2.2	-	-	-	2KJ8302-4LH	54
84 ... 840	46	3.57	2.4	-	-	-	2KJ8302-4LH	54
	FZ.29-LE100LB.							
22 ... 216	177	13.88	0.85	2KJ8301-2JG	41	-	-	-
23 ... 230	166	13.06	0.9	2KJ8301-2JG	41	-	-	-
26 ... 261	147	11.51	0.98	2KJ8301-2JG	41	-	-	-
30 ... 300	127	9.99	1.1	2KJ8301-2JG	41	-	-	-
31 ... 310	123	9.69	1.2	2KJ8301-2JG	41	-	-	-
35 ... 348	110	8.63	1.2	2KJ8301-2JG	41	-	-	-
38 ... 376	101	7.97	1.2	2KJ8301-2JG	41	-	-	-
43 ... 430	89	6.98	1.4	2KJ8301-2JG	41	-	-	-
49 ... 490	78	6.12	1.5	2KJ8301-2JG	41	-	-	-
54 ... 541	71	5.55	1.5	2KJ8301-2JG	41	-	-	-
57 ... 575	66	5.22	1.6	2KJ8301-2JG	41	-	-	-
65 ... 652	59	4.6	1.7	2KJ8301-2JG	41	-	-	-

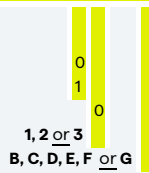
Article No. supplements

Motor temperature sensor without
with Pt1000

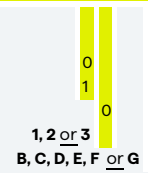
Motor brake without
(brake voltage 180 V DC) with see Seite 5/2

Converter fieldbus communication see Seite 5/2

Special versions see Chapter 4 „Additional Order options“



Order code
...+...



Order code
...+...

Parallel shaft geared motors

Selection and ordering data

Control range 1:8.7

Innomatics SG G115D · Control range 1:8.7 / Motor speed range 300 ... 2610 rpm

P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4		
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg	
0.64	FD.79-LE71MB.								
	0.84 ... 7.3	835	357	1.2	2KJ8405-2CG	■ ■ ■ -5 ■ S1 -Z	44	-	-
	0.92 ... 8	760	324.62	1.3	2KJ8405-2CG	■ ■ ■ -5 ■ R1 -Z	44	-	-
	1.1 ... 9.5	645	276.09	1.5	2KJ8405-2CG	■ ■ ■ -5 ■ Q1 -Z	44	-	-
	1.2 ... 10.4	585	250.99	1.7	2KJ8405-2CG	■ ■ ■ -5 ■ P1 -Z	44	-	-
	1.3 ... 11.7	520	223.94	1.9	2KJ8405-2CG	■ ■ ■ -5 ■ N1 -Z	44	-	-
	1.5 ... 13	470	200.8	2.1	2KJ8405-2CG	■ ■ ■ -5 ■ M1 -Z	44	-	-
	1.7 ... 14.4	420	180.99	2.4	2KJ8405-2CG	■ ■ ■ -5 ■ L1 -Z	44	-	-
	1.8 ... 15.6	390	167.07	2.6	2KJ8405-2CG	■ ■ ■ -5 ■ K1 -Z	44	-	-
	2 ... 17.1	355	152.51	2.8	2KJ8405-2CG	■ ■ ■ -5 ■ J1 -Z	44	-	-
	FD.69-LE71MB.								
	0.97 ... 8.4	725	309.78	0.83	2KJ8404-2CG	■ ■ ■ -5 ■ R1 -Z	37	-	-
	1.1 ... 9.6	635	272	0.94	2KJ8404-2CG	■ ■ ■ -5 ■ Q1 -Z	37	-	-
	1.2 ... 10.6	575	247.27	1	2KJ8404-2CG	■ ■ ■ -5 ■ P1 -Z	37	-	-
	1.4 ... 12.3	495	211.56	1.2	2KJ8404-2CG	■ ■ ■ -5 ■ N1 -Z	37	-	-
	1.6 ... 13.6	450	192.32	1.3	2KJ8404-2CG	■ ■ ■ -5 ■ M1 -Z	37	-	-
	1.8 ... 15.4	395	170	1.5	2KJ8404-2CG	■ ■ ■ -5 ■ L1 -Z	37	-	-
	1.9 ... 16.9	360	154.55	1.7	2KJ8404-2CG	■ ■ ■ -5 ■ K1 -Z	37	-	-
	2.2 ... 19.3	315	135.37	1.9	2KJ8404-2CG	■ ■ ■ -5 ■ J1 -Z	37	-	-
	2.4 ... 21	290	124.96	2.1	2KJ8404-2CG	■ ■ ■ -5 ■ H1 -Z	37	-	-
	2.7 ... 24	255	110.63	2.3	2KJ8404-2CG	■ ■ ■ -5 ■ G1 -Z	37	-	-
	3.3 ... 28	215	92.08	2.8	2KJ8404-2CG	■ ■ ■ -5 ■ F1 -Z	37	-	-
	3.5 ... 30	200	86.67	3	2KJ8404-2CG	■ ■ ■ -5 ■ E1 -Z	37	-	-
	FD.49-LE71MB.								
	1.3 ... 11.1	550	234.91	0.87	2KJ8403-2CG	■ ■ ■ -5 ■ P1 -Z	32	-	-
	1.5 ... 13	470	200.98	1	2KJ8403-2CG	■ ■ ■ -5 ■ N1 -Z	32	-	-
	1.6 ... 14.3	425	182.71	1.1	2KJ8403-2CG	■ ■ ■ -5 ■ M1 -Z	32	-	-
	1.9 ... 16.2	375	161.5	1.3	2KJ8403-2CG	■ ■ ■ -5 ■ L1 -Z	32	-	-
	2 ... 17.8	340	146.82	1.4	2KJ8403-2CG	■ ■ ■ -5 ■ K1 -Z	32	-	-
	2.3 ... 20	300	128.6	1.6	2KJ8403-2CG	■ ■ ■ -5 ■ J1 -Z	32	-	-
	2.5 ... 22	275	118.71	1.7	2KJ8403-2CG	■ ■ ■ -5 ■ H1 -Z	32	-	-
	2.9 ... 25	245	105.1	2	2KJ8403-2CG	■ ■ ■ -5 ■ G1 -Z	32	-	-
	3.4 ... 30	205	87.48	2.3	2KJ8403-2CG	■ ■ ■ -5 ■ F1 -Z	32	-	-
	3.6 ... 32	193	82.33	2.5	2KJ8403-2CG	■ ■ ■ -5 ■ E1 -Z	32	-	-
	4.1 ... 35	173	73.77	2.8	2KJ8403-2CG	■ ■ ■ -5 ■ D1 -Z	32	-	-
	FD.39-LE71MB.								
	2 ... 17.4	350	149.6	0.83	2KJ8402-2CG	■ ■ ■ -5 ■ L1 -Z	23	-	-
	2.3 ... 19.9	305	131.17	0.94	2KJ8402-2CG	■ ■ ■ -5 ■ K1 -Z	23	-	-
	2.6 ... 22	270	117.08	1.1	2KJ8402-2CG	■ ■ ■ -5 ■ J1 -Z	23	-	-
	2.9 ... 25	240	104.34	1.2	2KJ8402-2CG	■ ■ ■ -5 ■ H1 -Z	23	-	-
	3.1 ... 27	225	96.31	1.3	2KJ8402-2CG	■ ■ ■ -5 ■ G1 -Z	23	-	-
	3.6 ... 31	197	84.32	1.5	2KJ8402-2CG	■ ■ ■ -5 ■ F1 -Z	23	-	-
	4.1 ... 35	173	73.93	1.7	2KJ8402-2CG	■ ■ ■ -5 ■ E1 -Z	23	-	-
	4.5 ... 39	157	67.07	1.8	2KJ8402-2CG	■ ■ ■ -5 ■ D1 -Z	23	-	-
	4.8 ... 41	148	63.13	2	2KJ8402-2CG	■ ■ ■ -5 ■ C1 -Z	23	-	-
	5.4 ... 47	130	55.65	2.2	2KJ8402-2CG	■ ■ ■ -5 ■ B1 -Z	23	-	-
	6.2 ... 54	113	48.29	2.6	2KJ8402-2CG	■ ■ ■ -5 ■ A1 -Z	23	-	-
	FZ.39-LE71MB.								
	4.6 ... 40	153	65.21	1.9	2KJ8302-2CG	■ ■ ■ -5 ■ B2 -Z	23	-	-
	5.2 ... 45	136	57.99	1.7	2KJ8302-2CG	■ ■ ■ -5 ■ A2 -Z	23	-	-
	5.9 ... 51	119	50.91	2	2KJ8302-2CG	■ ■ ■ -5 ■ X1 -Z	23	-	-
	6.5 ... 56	108	46.29	2.4	2KJ8302-2CG	■ ■ ■ -5 ■ W1 -Z	23	-	-
	7.6 ... 66	93	39.6	3.1	2KJ8302-2CG	■ ■ ■ -5 ■ V1 -Z	23	-	-
	8.3 ... 72	84	36	3	2KJ8302-2CG	■ ■ ■ -5 ■ U1 -Z	23	-	-
	FD.29-LE71MB.								
	3.8 ... 33	183	78.02	0.82	2KJ8401-2CG	■ ■ ■ -5 ■ D1 -Z	17	-	-
	4.3 ... 37	165	70.43	0.91	2KJ8401-2CG	■ ■ ■ -5 ■ C1 -Z	17	-	-
	4.5 ... 39	155	66.29	0.97	2KJ8401-2CG	■ ■ ■ -5 ■ B1 -Z	17	-	-

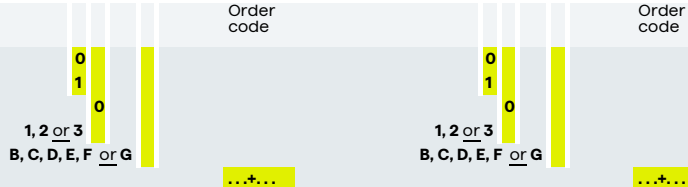
Article No. supplements

Motor temperature sensor without
with Pt1000

Motor brake without
(brake voltage 180 V DC) with see Seite 5/2

Converter fieldbus communication see Seite 5/2

Special versions see Chapter 4 „Additional Order options“



Selection and ordering data

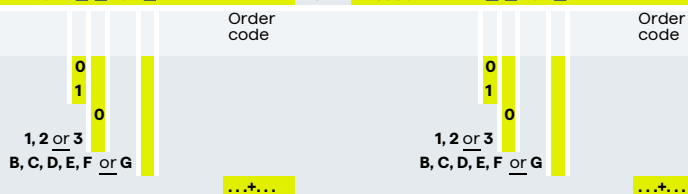
Control range 1:8.7

Innomotics SG G115D · Control range 1:8.7 / Motor speed range 300 ... 2610 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B -	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4		
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg	
1.3	FD.79-LE80MB.								
	1.3 ... 11.7	1060	223.94	0.94	2KJ8405-2EG	48	2KJ8405-4EH	51	
	1.5 ... 13	955	200.8	1	2KJ8405-2EG	48	2KJ8405-4EH	51	
	1.7 ... 14.4	860	180.99	1.2	2KJ8405-2EG	48	2KJ8405-4EH	51	
	1.8 ... 15.6	795	167.07	1.3	2KJ8405-2EG	48	2KJ8405-4EH	51	
	2 ... 17.1	725	152.51	1.4	2KJ8405-2EG	48	2KJ8405-4EH	51	
	2.4 ... 21	600	126.54	1.7	2KJ8405-2EG	48	2KJ8405-4EH	51	
	2.5 ... 22	565	119.1	1.8	2KJ8405-2EG	48	2KJ8405-4EH	51	
	2.7 ... 23	535	112.48	1.9	2KJ8405-2EG	48	2KJ8405-4EH	51	
	3.1 ... 27	455	95.71	2.2	2KJ8405-2EG	48	2KJ8405-4EH	51	
	3.7 ... 32	390	81.99	2.6	2KJ8405-2EG	48	2KJ8405-4EH	51	
	4.2 ... 36	340	72.09	2.9	2KJ8405-2EG	48	2KJ8405-4EH	51	
	FD.69-LE80MB.								
	1.9 ... 16.9	735	154.55	0.82	2KJ8404-2EG	41	2KJ8404-4EH	44	
	2.2 ... 19.3	640	135.37	0.93	2KJ8404-2EG	41	2KJ8404-4EH	44	
	2.4 ... 21	590	124.96	1	2KJ8404-2EG	41	2KJ8404-4EH	44	
	2.7 ... 24	525	110.63	1.1	2KJ8404-2EG	41	2KJ8404-4EH	44	
	3.3 ... 28	435	92.08	1.4	2KJ8404-2EG	41	2KJ8404-4EH	44	
	3.5 ... 30	410	86.67	1.5	2KJ8404-2EG	41	2KJ8404-4EH	44	
	3.9 ... 34	365	77.65	1.6	2KJ8404-2EG	41	2KJ8404-4EH	44	
	4.5 ... 39	310	66.11	1.9	2KJ8404-2EG	41	2KJ8404-4EH	44	
	5.3 ... 46	270	56.67	2.2	2KJ8404-2EG	41	2KJ8404-4EH	44	
	6.1 ... 53	230	48.8	2.6	2KJ8404-2EG	41	2KJ8404-4EH	44	
	FZ.69-LE80MB.								
	4.6 ... 40	305	64.67	2	2KJ8304-2EG	40	2KJ8304-4EH	43	
	5.1 ... 44	280	58.79	2.1	2KJ8304-2EG	40	2KJ8304-4EH	43	
	6 ... 52	235	50	2.5	2KJ8304-2EG	40	2KJ8304-4EH	43	
	6.6 ... 57	215	45.45	2.8	2KJ8304-2EG	40	2KJ8304-4EH	43	
	7.4 ... 64	193	40.56	3.1	2KJ8304-2EG	40	2KJ8304-4EH	43	
	FD.49-LE80MB.								
2.5 ... 22	565	118.71	0.85	2KJ8403-2EG	36	2KJ8403-4EH	39		
2.9 ... 25	500	105.1	0.96	2KJ8403-2EG	36	2KJ8403-4EH	39		
3.4 ... 30	415	87.48	1.2	2KJ8403-2EG	36	2KJ8403-4EH	39		
3.6 ... 32	390	82.33	1.2	2KJ8403-2EG	36	2KJ8403-4EH	39		
4.1 ... 35	350	73.77	1.4	2KJ8403-2EG	36	2KJ8403-4EH	39		
4.8 ... 42	295	62.81	1.6	2KJ8403-2EG	36	2KJ8403-4EH	39		
5.6 ... 48	255	53.83	1.9	2KJ8403-2EG	36	2KJ8403-4EH	39		
6.5 ... 56	220	46.36	2.2	2KJ8403-2EG	36	2KJ8403-4EH	39		
FZ.49-LE80MB.									
4.9 ... 42	290	61.43	1.6	2KJ8303-2EG	35	2KJ8303-4EH	38		
5.4 ... 47	265	55.85	1.8	2KJ8303-2EG	35	2KJ8303-4EH	38		
6.3 ... 55	225	47.5	2.1	2KJ8303-2EG	35	2KJ8303-4EH	38		
6.9 ... 60	205	43.18	2.3	2KJ8303-2EG	35	2KJ8303-4EH	38		
7.8 ... 68	183	38.53	2.6	2KJ8303-2EG	35	2KJ8303-4EH	38		
8.7 ... 76	164	34.55	2.9	2KJ8303-2EG	35	2KJ8303-4EH	38		
9.6 ... 84	148	31.14	3.2	2KJ8303-2EG	35	2KJ8303-4EH	38		
FD.39-LE80MB.									
4.1 ... 35	350	73.93	0.82	2KJ8402-2EG	26	2KJ8402-4EH	29		
4.5 ... 39	315	67.07	0.91	2KJ8402-2EG	26	2KJ8402-4EH	29		
4.8 ... 41	300	63.13	0.97	2KJ8402-2EG	26	2KJ8402-4EH	29		
5.4 ... 47	265	55.65	1.1	2KJ8402-2EG	26	2KJ8402-4EH	29		
6.2 ... 54	230	48.29	1.3	2KJ8402-2EG	26	2KJ8402-4EH	29		
FZ.39-LE80MB.									
5.2 ... 45	275	57.99	0.83	2KJ8302-2EG	26	2KJ8302-4EH	29		
5.9 ... 51	240	50.91	0.99	2KJ8302-2EG	26	2KJ8302-4EH	29		
6.5 ... 56	220	46.29	1.2	2KJ8302-2EG	26	2KJ8302-4EH	29		
7.6 ... 66	188	39.6	1.5	2KJ8302-2EG	26	2KJ8302-4EH	29		
8.3 ... 72	171	36	1.5	2KJ8302-2EG	26	2KJ8302-4EH	29		
9.4 ... 82	151	31.82	1.9	2KJ8302-2EG	26	2KJ8302-4EH	29		

Article No. supplements

Motor temperature sensor	without with Pt1000	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	0 1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...



Selection and ordering data

Control range 1:8.7

Innomotics SG G115D · Control range 1:8.7 / Motor speed range 300 ... 2610 rpm

P _N	n ₂	T ₂	i	f _B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4		
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg	
kW	rpm	Nm	-	-					
1.9									
FD.69-LE90S.									
3.5 ... 30	600	86.67	1	1	2KJ8404-2GB	43	2KJ8404-4GC	47	
3.9 ... 34	540	77.65	1.1	1	2KJ8404-2GB	43	2KJ8404-4GC	47	
4.5 ... 39	460	66.11	1.3	1.3	2KJ8404-2GB	43	2KJ8404-4GC	47	
5.3 ... 46	390	56.67	1.5	1.5	2KJ8404-2GB	43	2KJ8404-4GC	47	
6.1 ... 53	335	48.8	1.8	1.8	2KJ8404-2GB	43	2KJ8404-4GC	47	
FZ.69-LE90S.									
4.6 ... 40	450	64.67	1.3	1.3	2KJ8304-2GB	43	2KJ8304-4GC	47	
5.1 ... 44	405	58.79	1.5	1.5	2KJ8304-2GB	43	2KJ8304-4GC	47	
6 ... 52	345	50	1.7	1.7	2KJ8304-2GB	43	2KJ8304-4GC	47	
6.6 ... 57	315	45.45	1.9	1.9	2KJ8304-2GB	43	2KJ8304-4GC	47	
7.4 ... 64	280	40.56	2.1	2.1	2KJ8304-2GB	43	2KJ8304-4GC	47	
8.3 ... 72	250	36.36	2.4	2.4	2KJ8304-2GB	43	2KJ8304-4GC	47	
9.2 ... 80	225	32.78	2.6	2.6	2KJ8304-2GB	43	2KJ8304-4GC	47	
9.9 ... 86	210	30.26	2.9	2.9	2KJ8304-2GB	43	2KJ8304-4GC	47	
10.9 ... 94	192	27.62	3.1	3.1	2KJ8304-2GB	43	2KJ8304-4GC	47	
FD.49-LE90S.									
3.6 ... 32	570	82.33	0.84	0.84	2KJ8403-2GB	38	2KJ8403-4GC	42	
4.1 ... 35	510	73.77	0.94	0.94	2KJ8403-2GB	38	2KJ8403-4GC	42	
4.8 ... 42	435	62.81	1.1	1.1	2KJ8403-2GB	38	2KJ8403-4GC	42	
5.6 ... 48	370	53.83	1.3	1.3	2KJ8403-2GB	38	2KJ8403-4GC	42	
6.5 ... 56	320	46.36	1.5	1.5	2KJ8403-2GB	38	2KJ8403-4GC	42	
FZ.49-LE90S.									
4.9 ... 42	425	61.43	1.1	1.1	2KJ8303-2GB	38	2KJ8303-4GC	42	
5.4 ... 47	385	55.85	1.2	1.2	2KJ8303-2GB	38	2KJ8303-4GC	42	
6.3 ... 55	330	47.5	1.5	1.5	2KJ8303-2GB	38	2KJ8303-4GC	42	
6.9 ... 60	300	43.18	1.6	1.6	2KJ8303-2GB	38	2KJ8303-4GC	42	
7.8 ... 68	265	38.53	1.8	1.8	2KJ8303-2GB	38	2KJ8303-4GC	42	
8.7 ... 76	240	34.55	2	2	2KJ8303-2GB	38	2KJ8303-4GC	42	
9.6 ... 84	215	31.14	2.2	2.2	2KJ8303-2GB	38	2KJ8303-4GC	42	
10.4 ... 91	200	28.74	2.4	2.4	2KJ8303-2GB	38	2KJ8303-4GC	42	
11.4 ... 99	182	26.24	2.6	2.6	2KJ8303-2GB	38	2KJ8303-4GC	42	
13.8 ... 120	151	21.77	3.2	3.2	2KJ8303-2GB	38	2KJ8303-4GC	42	
14.6 ... 127	142	20.49	3.4	3.4	2KJ8303-2GB	38	2KJ8303-4GC	42	
15.5 ... 135	135	19.35	3.6	3.6	2KJ8303-2GB	38	2KJ8303-4GC	42	
FD.39-LE90S.									
6.2 ... 54	335	48.29	0.86	0.86	2KJ8402-2GB	31	2KJ8402-4GC	35	
FZ.39-LE90S.									
7.6 ... 66	275	39.6	1.1	1.1	2KJ8302-2GB	30	2KJ8302-4GC	34	
8.3 ... 72	250	36	1	1	2KJ8302-2GB	30	2KJ8302-4GC	34	
9.4 ... 82	220	31.82	1.3	1.3	2KJ8302-2GB	30	2KJ8302-4GC	34	
10.4 ... 90	200	28.93	1.4	1.4	2KJ8302-2GB	30	2KJ8302-4GC	34	
11.8 ... 103	176	25.34	1.5	1.5	2KJ8302-2GB	30	2KJ8302-4GC	34	
12.8 ... 112	163	23.39	1.6	1.6	2KJ8302-2GB	30	2KJ8302-4GC	34	
14.5 ... 126	144	20.71	1.7	1.7	2KJ8302-2GB	30	2KJ8302-4GC	34	
17.4 ... 151	120	17.24	2	2	2KJ8302-2GB	30	2KJ8302-4GC	34	
18.5 ... 161	113	16.22	2	2	2KJ8302-2GB	30	2KJ8302-4GC	34	
21 ... 180	101	14.54	2.2	2.2	2KJ8302-2GB	30	2KJ8302-4GC	34	
24 ... 211	86	12.38	2.4	2.4	2KJ8302-2GB	30	2KJ8302-4GC	34	
28 ... 246	74	10.61	2.7	2.7	2KJ8302-2GB	30	2KJ8302-4GC	34	
33 ... 286	64	9.13	3	3	2KJ8302-2GB	30	2KJ8302-4GC	34	
37 ... 322	56	8.1	3	3	2KJ8302-2GB	30	2KJ8302-4GC	34	
45 ... 387	47	6.74	3.2	3.2	2KJ8302-2GB	30	2KJ8302-4GC	34	
47 ... 411	44	6.35	3.4	3.4	2KJ8302-2GB	30	2KJ8302-4GC	34	
53 ... 459	40	5.69	3.5	3.5	2KJ8302-2GB	30	2KJ8302-4GC	34	
62 ... 539	34	4.84	3.8	3.8	2KJ8302-2GB	30	2KJ8302-4GC	34	
72 ... 629	29	4.15	4.1	4.1	2KJ8302-2GB	30	2KJ8302-4GC	34	
84 ... 731	25	3.57	4.4	4.4	2KJ8302-2GB	30	2KJ8302-4GC	34	

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	0 1, 2 or 3	0 1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...	...+...

Parallel shaft geared motors

Selection and ordering data

Control range 1:8.7

Innometrics SG G115D · Control range 1:8.7 / Motor speed range 300 ... 2610 rpm

P_N kW	n_2 rpm	T_2 Nm	i -	f_B -	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
1.9	FZ.29-LE90S.							
11.1 ... 96	189	27.13	0.8		2KJ8301-2GB	24	2KJ8301-4GC	28
12.4 ... 108	168	24.22	0.89		2KJ8301-2GB	24	2KJ8301-4GC	28
13.9 ... 121	150	21.58	1		2KJ8301-2GB	24	2KJ8301-4GC	28
15.1 ... 131	138	19.92	1.1		2KJ8301-2GB	24	2KJ8301-4GC	28
17.2 ... 150	121	17.44	1.2		2KJ8301-2GB	24	2KJ8301-4GC	28
19.6 ... 171	106	15.29	1.4		2KJ8301-2GB	24	2KJ8301-4GC	28
22 ... 188	96	13.88	1.6		2KJ8301-2GB	24	2KJ8301-4GC	28
23 ... 200	91	13.06	1.7		2KJ8301-2GB	24	2KJ8301-4GC	28
26 ... 227	80	11.51	1.8		2KJ8301-2GB	24	2KJ8301-4GC	28
30 ... 261	70	9.99	2		2KJ8301-2GB	24	2KJ8301-4GC	28
31 ... 269	67	9.69	2.1		2KJ8301-2GB	24	2KJ8301-4GC	28
35 ... 302	60	8.63	2.2		2KJ8301-2GB	24	2KJ8301-4GC	28
38 ... 327	55	7.97	2.2		2KJ8301-2GB	24	2KJ8301-4GC	28
43 ... 374	48	6.98	2.5		2KJ8301-2GB	24	2KJ8301-4GC	28
49 ... 426	42	6.12	2.7		2KJ8301-2GB	24	2KJ8301-4GC	28
54 ... 470	39	5.55	2.8		2KJ8301-2GB	24	2KJ8301-4GC	28
57 ... 500	36	5.22	2.9		2KJ8301-2GB	24	2KJ8301-4GC	28
65 ... 567	32	4.6	3		2KJ8301-2GB	24	2KJ8301-4GC	28
75 ... 652	28	4	3.3		2KJ8301-2GB	24	2KJ8301-4GC	28
2.6	FD.89-LE90L.							
1.3 ... 11.7	2110	222.33	0.87		2KJ8406-2GG	87	2KJ8406-4GH	90
1.5 ... 12.7	1950	205.23	0.95		2KJ8406-2GG	87	2KJ8406-4GH	90
1.6 ... 13.9	1780	188	1		2KJ8406-2GG	87	2KJ8406-4GH	90
1.9 ... 16.5	1500	157.74	1.2		2KJ8406-2GG	87	2KJ8406-4GH	90
2 ... 17.6	1410	148.46	1.3		2KJ8406-2GG	87	2KJ8406-4GH	90
2.2 ... 19.2	1290	136.21	1.4		2KJ8406-2GG	87	2KJ8406-4GH	90
2.5 ... 22	1130	118.98	1.6		2KJ8406-2GG	87	2KJ8406-4GH	90
2.8 ... 25	1010	106.52	1.8		2KJ8406-2GG	87	2KJ8406-4GH	90
3.2 ... 28	885	93.14	2.1		2KJ8406-2GG	87	2KJ8406-4GH	90
3.8 ... 33	760	79.95	2.4		2KJ8406-2GG	87	2KJ8406-4GH	90
4.2 ... 37	670	70.67	2.8		2KJ8406-2GG	87	2KJ8406-4GH	90
FZ.89-LE90L.		585	61.72	3.2	2KJ8306-2GG	85	2KJ8306-4GH	88
FD.79-LE90L.		1200	126.54	0.83	2KJ8405-2GG	55	2KJ8405-4GH	58
2.5 ... 22	1130	119.1	0.88		2KJ8405-2GG	55	2KJ8405-4GH	58
2.7 ... 23	1070	112.48	0.93		2KJ8405-2GG	55	2KJ8405-4GH	58
3.1 ... 27	910	95.71	1.1		2KJ8405-2GG	55	2KJ8405-4GH	58
3.7 ... 32	780	81.99	1.3		2KJ8405-2GG	55	2KJ8405-4GH	58
4.2 ... 36	685	72.09	1.5		2KJ8405-2GG	55	2KJ8405-4GH	58
4.9 ... 43	575	60.82	1.7		2KJ8405-2GG	55	2KJ8405-4GH	58
5.7 ... 49	500	53.01	2		2KJ8405-2GG	55	2KJ8405-4GH	58
FZ.79-LE90L.		505	53.55	2	2KJ8305-2GG	54	2KJ8305-4GH	57
6.2 ... 54	455	48.03	2.2		2KJ8305-2GG	54	2KJ8305-4GH	57
6.9 ... 60	410	43.18	2.4		2KJ8305-2GG	54	2KJ8305-4GH	57
7.7 ... 67	370	39.06	2.7		2KJ8305-2GG	54	2KJ8305-4GH	57
8.3 ... 72	340	36.05	2.9		2KJ8305-2GG	54	2KJ8305-4GH	57
9.1 ... 79	310	33.02	3.2		2KJ8305-2GG	54	2KJ8305-4GH	57
FD.69-LE90L.		735	77.65	0.81	2KJ8404-2GG	46	2KJ8404-4GH	49
4.5 ... 39	625	66.11	0.95		2KJ8404-2GG	46	2KJ8404-4GH	49
5.3 ... 46	535	56.67	1.1		2KJ8404-2GG	46	2KJ8404-4GH	49
6.1 ... 53	460	48.8	1.3		2KJ8404-2GG	46	2KJ8404-4GH	49
FZ.69-LE90L.		615	64.67	0.98	2KJ8304-2GG	46	2KJ8304-4GH	49
5.1 ... 44	555	58.79	1.1		2KJ8304-2GG	46	2KJ8304-4GH	49
6 ... 52	475	50	1.3		2KJ8304-2GG	46	2KJ8304-4GH	49

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	1, 2 or 3	1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...	...+...

Parallel shaft geared motors Selection and ordering data

Control range 1:8.7

Innometrics SG G115D · Control range 1:8.7 / Motor speed range 300 ... 2610 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B -	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
2.6								
FZ.69-LE90L.								
6.6 ... 57	430	45.45	1.4	2KJ8304-2GG	46	2KJ8304-4GH	49	
7.4 ... 64	385	40.56	1.6	2KJ8304-2GG	46	2KJ8304-4GH	49	
8.3 ... 72	345	36.36	1.7	2KJ8304-2GG	46	2KJ8304-4GH	49	
9.2 ... 80	310	32.78	1.9	2KJ8304-2GG	46	2KJ8304-4GH	49	
9.9 ... 86	285	30.26	2.1	2KJ8304-2GG	46	2KJ8304-4GH	49	
10.9 ... 94	260	27.62	2.3	2KJ8304-2GG	46	2KJ8304-4GH	49	
13.1 ... 114	215	22.92	2.8	2KJ8304-2GG	46	2KJ8304-4GH	49	
13.9 ... 121	205	21.57	2.9	2KJ8304-2GG	46	2KJ8304-4GH	49	
14.7 ... 128	194	20.37	3.1	2KJ8304-2GG	46	2KJ8304-4GH	49	
17.3 ... 151	165	17.33	3.6	2KJ8304-2GG	46	2KJ8304-4GH	49	
FD.49-LE90L.								
4.8 ... 42	595	62.81	0.8	2KJ8403-2GG	41	2KJ8403-4GH	44	
5.6 ... 48	510	53.83	0.94	2KJ8403-2GG	41	2KJ8403-4GH	44	
6.5 ... 56	440	46.36	1.1	2KJ8403-2GG	41	2KJ8403-4GH	44	
FZ.49-LE90L.								
4.9 ... 42	580	61.43	0.82	2KJ8303-2GG	41	2KJ8303-4GH	44	
5.4 ... 47	530	55.85	0.9	2KJ8303-2GG	41	2KJ8303-4GH	44	
6.3 ... 55	450	47.5	1.1	2KJ8303-2GG	41	2KJ8303-4GH	44	
6.9 ... 60	410	43.18	1.2	2KJ8303-2GG	41	2KJ8303-4GH	44	
7.8 ... 68	365	38.53	1.3	2KJ8303-2GG	41	2KJ8303-4GH	44	
8.7 ... 76	325	34.55	1.5	2KJ8303-2GG	41	2KJ8303-4GH	44	
9.6 ... 84	295	31.14	1.6	2KJ8303-2GG	41	2KJ8303-4GH	44	
10.4 ... 91	270	28.74	1.8	2KJ8303-2GG	41	2KJ8303-4GH	44	
11.4 ... 99	250	26.24	1.9	2KJ8303-2GG	41	2KJ8303-4GH	44	
13.8 ... 120	205	21.77	2.3	2KJ8303-2GG	41	2KJ8303-4GH	44	
14.6 ... 127	195	20.49	2.5	2KJ8303-2GG	41	2KJ8303-4GH	44	
15.5 ... 135	184	19.35	2.6	2KJ8303-2GG	41	2KJ8303-4GH	44	
18.2 ... 158	157	16.47	3.1	2KJ8303-2GG	41	2KJ8303-4GH	44	
21 ... 185	134	14.11	3.6	2KJ8303-2GG	41	2KJ8303-4GH	44	
FZ.39-LE90L.								
9.4 ... 82	300	31.82	0.94	2KJ8302-2GG	33	2KJ8302-4GH	36	
10.4 ... 90	275	28.93	1	2KJ8302-2GG	33	2KJ8302-4GH	36	
11.8 ... 103	240	25.34	1.1	2KJ8302-2GG	33	2KJ8302-4GH	36	
12.8 ... 112	220	23.39	1.2	2KJ8302-2GG	33	2KJ8302-4GH	36	
14.5 ... 126	197	20.71	1.3	2KJ8302-2GG	33	2KJ8302-4GH	36	
17.4 ... 151	164	17.24	1.4	2KJ8302-2GG	33	2KJ8302-4GH	36	
18.5 ... 161	154	16.22	1.5	2KJ8302-2GG	33	2KJ8302-4GH	36	
21 ... 180	138	14.54	1.6	2KJ8302-2GG	33	2KJ8302-4GH	36	
24 ... 211	118	12.38	1.8	2KJ8302-2GG	33	2KJ8302-4GH	36	
28 ... 246	101	10.61	2	2KJ8302-2GG	33	2KJ8302-4GH	36	
33 ... 286	87	9.13	2.2	2KJ8302-2GG	33	2KJ8302-4GH	36	
37 ... 322	77	8.1	2.2	2KJ8302-2GG	33	2KJ8302-4GH	36	
45 ... 387	64	6.74	2.4	2KJ8302-2GG	33	2KJ8302-4GH	36	
47 ... 411	60	6.35	2.5	2KJ8302-2GG	33	2KJ8302-4GH	36	
53 ... 459	54	5.69	2.6	2KJ8302-2GG	33	2KJ8302-4GH	36	
62 ... 539	46	4.84	2.8	2KJ8302-2GG	33	2KJ8302-4GH	36	
72 ... 629	40	4.15	3	2KJ8302-2GG	33	2KJ8302-4GH	36	
84 ... 731	34	3.57	3.2	2KJ8302-2GG	33	2KJ8302-4GH	36	
FZ.29-LE90L.								
17.2 ... 150	166	17.44	0.9	2KJ8301-2GG	27	2KJ8301-4GH	30	
19.6 ... 171	145	15.29	1	2KJ8301-2GG	27	2KJ8301-4GH	30	
22 ... 188	132	13.88	1.1	2KJ8301-2GG	27	2KJ8301-4GH	30	
23 ... 200	124	13.06	1.2	2KJ8301-2GG	27	2KJ8301-4GH	30	
26 ... 227	109	11.51	1.3	2KJ8301-2GG	27	2KJ8301-4GH	30	
30 ... 261	95	9.99	1.4	2KJ8301-2GG	27	2KJ8301-4GH	30	
31 ... 269	92	9.69	1.6	2KJ8301-2GG	27	2KJ8301-4GH	30	
35 ... 302	82	8.63	1.6	2KJ8301-2GG	27	2KJ8301-4GH	30	
38 ... 327	76	7.97	1.6	2KJ8301-2GG	27	2KJ8301-4GH	30	

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	0 1, 2 or 3	0 1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions see Chapter 4 „Additional Order options“		...+...	...+...

Selection and ordering data

Control range 1:8.7

Innometrics SG G115D · Control range 1:8.7 / Motor speed range 300 ... 2610 rpm

P_N kW	n_2 rpm	T_2 Nm	i	f_B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
3.8	FZ.79-LE100LA.							
12.5 ... 109	330	23.93	3		2KJ8305-2JB	70	-	-
14.4 ... 125	290	20.9	3.4		2KJ8305-2JB	70	-	-
FZ.79-LE112MA.								
6.2 ... 54	670	48.03	1.5	-	-	-	2KJ8305-4LC	74
6.9 ... 60	600	43.18	1.7	-	-	-	2KJ8305-4LC	74
7.7 ... 67	545	39.06	1.8	-	-	-	2KJ8305-4LC	74
8.3 ... 72	500	36.05	2	-	-	-	2KJ8305-4LC	74
9.1 ... 79	460	33.02	2.2	-	-	-	2KJ8305-4LC	74
10.8 ... 94	385	27.71	2.6	-	-	-	2KJ8305-4LC	74
11.5 ... 100	360	26.08	2.8	-	-	-	2KJ8305-4LC	74
12.5 ... 109	330	23.93	3	-	-	-	2KJ8305-4LC	74
14.4 ... 125	290	20.9	3.4	-	-	-	2KJ8305-4LC	74
FD.69-LE100LA.								
6.1 ... 53	680	48.8	0.88		2KJ8404-2JB	64	-	-
FD.69-LE112MA.								
6.1 ... 53	680	48.8	0.88	-	-	-	2KJ8404-4LC	68
FZ.69-LE100LA.								
7.4 ... 64	565	40.56	1.1		2KJ8304-2JB	63	-	-
8.3 ... 72	505	36.36	1.2		2KJ8304-2JB	63	-	-
9.2 ... 80	455	32.78	1.3		2KJ8304-2JB	63	-	-
9.9 ... 86	420	30.26	1.4		2KJ8304-2JB	63	-	-
10.9 ... 94	385	27.62	1.6		2KJ8304-2JB	63	-	-
13.1 ... 114	320	22.92	1.9		2KJ8304-2JB	63	-	-
13.9 ... 121	300	21.57	2		2KJ8304-2JB	63	-	-
14.7 ... 128	280	20.37	2.1		2KJ8304-2JB	63	-	-
17.3 ... 151	240	17.33	2.5		2KJ8304-2JB	63	-	-
20 ... 176	205	14.85	2.9		2KJ8304-2JB	63	-	-
23 ... 200	182	13.06	3.3		2KJ8304-2JB	63	-	-
34 ... 293	124	8.9	3.8		2KJ8304-2JB	63	-	-
FZ.69-LE112MA.								
7.4 ... 64	565	40.56	1.1	-	-	-	2KJ8304-4LC	67
8.3 ... 72	505	36.36	1.2	-	-	-	2KJ8304-4LC	67
9.2 ... 80	455	32.78	1.3	-	-	-	2KJ8304-4LC	67
9.9 ... 86	420	30.26	1.4	-	-	-	2KJ8304-4LC	67
10.9 ... 94	385	27.62	1.6	-	-	-	2KJ8304-4LC	67
13.1 ... 114	320	22.92	1.9	-	-	-	2KJ8304-4LC	67
13.9 ... 121	300	21.57	2	-	-	-	2KJ8304-4LC	67
14.7 ... 128	280	20.37	2.1	-	-	-	2KJ8304-4LC	67
17.3 ... 151	240	17.33	2.5	-	-	-	2KJ8304-4LC	67
20 ... 176	205	14.85	2.9	-	-	-	2KJ8304-4LC	67
23 ... 200	182	13.06	3.3	-	-	-	2KJ8304-4LC	67
34 ... 293	124	8.9	3.8	-	-	-	2KJ8304-4LC	67
FZ.49-LE100LA.								
7.8 ... 68	535	38.53	0.89		2KJ8303-2JB	59	-	-
8.7 ... 76	480	34.55	1		2KJ8303-2JB	59	-	-
9.6 ... 84	430	31.14	1.1		2KJ8303-2JB	59	-	-
10.4 ... 91	400	28.74	1.2		2KJ8303-2JB	59	-	-
11.4 ... 99	365	26.24	1.3		2KJ8303-2JB	59	-	-
13.8 ... 120	300	21.77	1.6		2KJ8303-2JB	59	-	-
14.6 ... 127	285	20.49	1.7		2KJ8303-2JB	59	-	-
15.5 ... 135	270	19.35	1.8		2KJ8303-2JB	59	-	-
18.2 ... 158	230	16.47	2.1		2KJ8303-2JB	59	-	-
21 ... 185	197	14.11	2.4		2KJ8303-2JB	59	-	-
24 ... 210	173	12.4	2.8		2KJ8303-2JB	59	-	-
29 ... 250	146	10.46	3.3		2KJ8303-2JB	59	-	-
33 ... 286	127	9.12	3.8		2KJ8303-2JB	59	-	-
36 ... 311	117	8.4	3.8		2KJ8303-2JB	59	-	-

Article No. supplements

Motor temperature sensor

without
with Pt1000

0
1

Motor brake

(brake voltage 180 V DC)

without
with see Seite 5/2

0
1

1, 2 or 3
B, C, D, E, F or G

Converter fieldbus communication see Seite 5/2

Special versions see Chapter 4 „Additional Order options“

Order code

Order code

1, 2 or 3
B, C, D, E, F or G

...+...

...+...

Parallel shaft geared motors

Selection and ordering data

Control range 1:8.7

Innometrics SG G115D · Control range 1:8.7 / Motor speed range 300 ... 2610 rpm

P _N	n ₂	T ₂	i	f _B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
					Article No. (Article No. supplements see below)	m kg		Article No. (Article No. supplements see below)	m kg	
3.8										
FZ.49-LE112MA.										
7.8 ... 68	535	38.53	0.89	-	-	2KJ8303-4LC	■ -5 ■ T1	-Z	62	
8.7 ... 76	480	34.55	1	-	-	2KJ8303-4LC	■ -5 ■ S1	-Z	62	
9.6 ... 84	430	31.14	1.1	-	-	2KJ8303-4LC	■ -5 ■ R1	-Z	62	
10.4 ... 91	400	28.74	1.2	-	-	2KJ8303-4LC	■ -5 ■ Q1	-Z	62	
11.4 ... 99	365	26.24	1.3	-	-	2KJ8303-4LC	■ -5 ■ P1	-Z	62	
13.8 ... 120	300	21.77	1.6	-	-	2KJ8303-4LC	■ -5 ■ N1	-Z	62	
14.6 ... 127	285	20.49	1.7	-	-	2KJ8303-4LC	■ -5 ■ M1	-Z	62	
15.5 ... 135	270	19.35	1.8	-	-	2KJ8303-4LC	■ -5 ■ L1	-Z	62	
18.2 ... 158	230	16.47	2.1	-	-	2KJ8303-4LC	■ -5 ■ K1	-Z	62	
21 ... 185	197	14.11	2.4	-	-	2KJ8303-4LC	■ -5 ■ J1	-Z	62	
24 ... 210	173	12.4	2.8	-	-	2KJ8303-4LC	■ -5 ■ H1	-Z	62	
29 ... 250	146	10.46	3.3	-	-	2KJ8303-4LC	■ -5 ■ G1	-Z	62	
33 ... 286	127	9.12	3.8	-	-	2KJ8303-4LC	■ -5 ■ F1	-Z	62	
36 ... 311	117	8.4	3.8	-	-	2KJ8303-4LC	■ -5 ■ E1	-Z	62	
FZ.39-LE100LA.										
12.8 ... 112	325	23.39	0.8	2KJ8302-2JB	■ -5 ■ Q1	-Z	48	-	-	
14.5 ... 126	285	20.71	0.87	2KJ8302-2JB	■ -5 ■ P1	-Z	48	-	-	
17.4 ... 151	240	17.24	0.98	2KJ8302-2JB	■ -5 ■ N1	-Z	48	-	-	
18.5 ... 161	225	16.22	1	2KJ8302-2JB	■ -5 ■ M1	-Z	48	-	-	
21 ... 180	200	14.54	1.1	2KJ8302-2JB	■ -5 ■ L1	-Z	48	-	-	
24 ... 211	173	12.38	1.2	2KJ8302-2JB	■ -5 ■ K1	-Z	48	-	-	
28 ... 246	148	10.61	1.3	2KJ8302-2JB	■ -5 ■ J1	-Z	48	-	-	
33 ... 286	127	9.13	1.5	2KJ8302-2JB	■ -5 ■ H1	-Z	48	-	-	
37 ... 322	113	8.1	1.5	2KJ8302-2JB	■ -5 ■ G1	-Z	48	-	-	
45 ... 387	94	6.74	1.6	2KJ8302-2JB	■ -5 ■ F1	-Z	48	-	-	
47 ... 411	88	6.35	1.7	2KJ8302-2JB	■ -5 ■ E1	-Z	48	-	-	
53 ... 459	79	5.69	1.8	2KJ8302-2JB	■ -5 ■ D1	-Z	48	-	-	
62 ... 539	68	4.84	1.9	2KJ8302-2JB	■ -5 ■ C1	-Z	48	-	-	
72 ... 629	58	4.15	2	2KJ8302-2JB	■ -5 ■ B1	-Z	48	-	-	
84 ... 731	50	3.57	2.2	2KJ8302-2JB	■ -5 ■ A1	-Z	48	-	-	
FZ.39-LE112MA.										
12.8 ... 112	325	23.39	0.8	-	-	2KJ8302-4LC	■ -5 ■ Q1	-Z	54	
14.5 ... 126	285	20.71	0.87	-	-	2KJ8302-4LC	■ -5 ■ P1	-Z	54	
17.4 ... 151	240	17.24	0.98	-	-	2KJ8302-4LC	■ -5 ■ N1	-Z	54	
18.5 ... 161	225	16.22	1	-	-	2KJ8302-4LC	■ -5 ■ M1	-Z	54	
21 ... 180	200	14.54	1.1	-	-	2KJ8302-4LC	■ -5 ■ L1	-Z	54	
24 ... 211	173	12.38	1.2	-	-	2KJ8302-4LC	■ -5 ■ K1	-Z	54	
28 ... 246	148	10.61	1.3	-	-	2KJ8302-4LC	■ -5 ■ J1	-Z	54	
33 ... 286	127	9.13	1.5	-	-	2KJ8302-4LC	■ -5 ■ H1	-Z	54	
37 ... 322	113	8.1	1.5	-	-	2KJ8302-4LC	■ -5 ■ G1	-Z	54	
45 ... 387	94	6.74	1.6	-	-	2KJ8302-4LC	■ -5 ■ F1	-Z	54	
47 ... 411	88	6.35	1.7	-	-	2KJ8302-4LC	■ -5 ■ E1	-Z	54	
53 ... 459	79	5.69	1.8	-	-	2KJ8302-4LC	■ -5 ■ D1	-Z	54	
62 ... 539	68	4.84	1.9	-	-	2KJ8302-4LC	■ -5 ■ C1	-Z	54	
72 ... 629	58	4.15	2	-	-	2KJ8302-4LC	■ -5 ■ B1	-Z	54	
84 ... 731	50	3.57	2.2	-	-	2KJ8302-4LC	■ -5 ■ A1	-Z	54	
FZ.29-LE100LA.										
23 ... 200	182	13.06	0.82	2KJ8301-2JB	■ -5 ■ M1	-Z	41	-	-	
26 ... 227	160	11.51	0.89	2KJ8301-2JB	■ -5 ■ L1	-Z	41	-	-	
30 ... 261	139	9.99	0.98	2KJ8301-2JB	■ -5 ■ K1	-Z	41	-	-	
31 ... 269	135	9.69	1.1	2KJ8301-2JB	■ -5 ■ J1	-Z	41	-	-	
35 ... 302	120	8.63	1.1	2KJ8301-2JB	■ -5 ■ H1	-Z	41	-	-	
38 ... 327	111	7.97	1.1	2KJ8301-2JB	■ -5 ■ G1	-Z	41	-	-	
43 ... 374	97	6.98	1.3	2KJ8301-2JB	■ -5 ■ F1	-Z	41	-	-	
49 ... 426	85	6.12	1.3	2KJ8301-2JB	■ -5 ■ E1	-Z	41	-	-	
54 ... 470	77	5.55	1.4	2KJ8301-2JB	■ -5 ■ D1	-Z	41	-	-	
57 ... 500	73	5.22	1.5	2KJ8301-2JB	■ -5 ■ C1	-Z	41	-	-	
65 ... 567	64	4.6	1.5	2KJ8301-2JB	■ -5 ■ B1	-Z	41	-	-	

Article No. supplements

Motor temperature sensor	without with Pt1000	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	0 1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...

Order code

Order code

Selection and ordering data

Control range 1:5

Innomatics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm								
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3	m	Geared motors with synchronous reluctance motors IE4	m
kW	rpm	Nm	-	-	Article No. (Article No. supplements see below)	kg	Article No. (Article No. supplements see below)	kg
0.37	K.89-LE71MB.							
1.3 ... 6.5	545	231.8	2.9		2KJ8510-2CG ■ ■ -3 ■ K2 -Z	63	-	-
K.79-LE71MB.								
1.2 ... 6.1	575	244.25	1.4		2KJ8508-2CG ■ ■ -3 ■ J2 -Z	42	-	-
1.4 ... 6.8	520	222.05	1.6		2KJ8508-2CG ■ ■ -3 ■ H2 -Z	42	-	-
1.6 ... 7.9	445	188.85	1.8		2KJ8508-2CG ■ ■ -3 ■ G2 -Z	42	-	-
1.7 ... 8.7	400	171.69	2		2KJ8508-2CG ■ ■ -3 ■ F2 -Z	42	-	-
2 ... 9.8	360	153.18	2.3		2KJ8508-2CG ■ ■ -3 ■ E2 -Z	42	-	-
2.2 ... 10.9	320	137.35	2.5		2KJ8508-2CG ■ ■ -3 ■ D2 -Z	42	-	-
2.4 ... 12.1	290	123.8	2.8		2KJ8508-2CG ■ ■ -3 ■ C2 -Z	42	-	-
2.6 ... 13.1	265	114.28	3		2KJ8508-2CG ■ ■ -3 ■ B2 -Z	42	-	-
K.69-LE71MB.								
1.5 ... 7.6	460	196.59	1.3		2KJ8507-2CG ■ ■ -3 ■ H2 -Z	37	-	-
1.7 ... 8.4	420	178.72	1.4		2KJ8507-2CG ■ ■ -3 ■ G2 -Z	37	-	-
2 ... 9.9	355	152	1.7		2KJ8507-2CG ■ ■ -3 ■ F2 -Z	37	-	-
2.2 ... 10.9	325	138.18	1.8		2KJ8507-2CG ■ ■ -3 ■ E2 -Z	37	-	-
2.4 ... 12.2	290	123.29	2.1		2KJ8507-2CG ■ ■ -3 ■ D2 -Z	37	-	-
2.7 ... 13.6	260	110.55	2.3		2KJ8507-2CG ■ ■ -3 ■ C2 -Z	37	-	-
3 ... 15.1	235	99.64	2.6		2KJ8507-2CG ■ ■ -3 ■ B2 -Z	37	-	-
3.3 ... 16.3	215	91.98	2.8		2KJ8507-2CG ■ ■ -3 ■ A2 -Z	37	-	-
3.6 ... 17.9	198	83.96	3		2KJ8507-2CG ■ ■ -3 ■ X1 -Z	37	-	-
K.49-LE71MB.								
1.5 ... 7.5	470	200.25	0.89		2KJ8505-2CG ■ ■ -3 ■ J2 -Z	30	-	-
1.7 ... 8.4	415	178.06	1		2KJ8505-2CG ■ ■ -3 ■ H2 -Z	30	-	-
1.9 ... 9.6	365	156.34	1.1		2KJ8505-2CG ■ ■ -3 ■ G2 -Z	30	-	-
2.1 ... 10.6	335	142.13	1.3		2KJ8505-2CG ■ ■ -3 ■ F2 -Z	30	-	-
2.5 ... 12.3	285	121.6	1.5		2KJ8505-2CG ■ ■ -3 ■ E2 -Z	30	-	-
2.7 ... 13.6	260	110.55	1.6		2KJ8505-2CG ■ ■ -3 ■ D2 -Z	30	-	-
3.1 ... 15.4	230	97.71	1.8		2KJ8505-2CG ■ ■ -3 ■ C2 -Z	30	-	-
3.4 ... 16.9	205	88.83	2		2KJ8505-2CG ■ ■ -3 ■ B2 -Z	30	-	-
3.9 ... 19.3	183	77.81	2.3		2KJ8505-2CG ■ ■ -3 ■ A2 -Z	30	-	-
4.2 ... 21	169	71.82	2.5		2KJ8505-2CG ■ ■ -3 ■ X1 -Z	30	-	-
4.7 ... 24	150	63.59	2.8		2KJ8505-2CG ■ ■ -3 ■ W1 -Z	30	-	-
K.39-LE71MB.								
2.7 ... 13.6	255	110.06	0.85		2KJ8504-2CG ■ ■ -3 ■ F2 -Z	22	-	-
3.2 ... 15.9	220	94.39	0.99		2KJ8504-2CG ■ ■ -3 ■ E2 -Z	22	-	-
3.5 ... 17.5	200	85.81	1.1		2KJ8504-2CG ■ ■ -3 ■ D2 -Z	22	-	-
4 ... 19.9	177	75.24	1.2		2KJ8504-2CG ■ ■ -3 ■ C2 -Z	22	-	-
4.5 ... 22	158	67.16	1.4		2KJ8504-2CG ■ ■ -3 ■ B2 -Z	22	-	-
5 ... 25	141	59.85	1.6		2KJ8504-2CG ■ ■ -3 ■ A2 -Z	22	-	-
5.4 ... 27	130	55.25	1.7		2KJ8504-2CG ■ ■ -3 ■ X1 -Z	22	-	-
6.2 ... 31	114	48.37	1.9		2KJ8504-2CG ■ ■ -3 ■ W1 -Z	22	-	-
7.1 ... 35	100	42.41	2.2		2KJ8504-2CG ■ ■ -3 ■ V1 -Z	22	-	-
7.8 ... 39	91	38.48	2.4		2KJ8504-2CG ■ ■ -3 ■ U1 -Z	22	-	-
8.3 ... 41	85	36.21	2.6		2KJ8504-2CG ■ ■ -3 ■ T1 -Z	22	-	-
9.4 ... 47	75	31.92	2.9		2KJ8504-2CG ■ ■ -3 ■ S1 -Z	22	-	-
B.39-LE71MB.								
5.3 ... 27	133	56.36	1.9		2KJ8502-2CG ■ ■ -3 ■ A2 -Z	22	-	-
6 ... 30	118	50.11	1.8		2KJ8502-2CG ■ ■ -3 ■ X1 -Z	22	-	-
6.8 ... 34	104	44	2.4		2KJ8502-2CG ■ ■ -3 ■ W1 -Z	22	-	-
7.5 ... 38	94	40	2.4		2KJ8502-2CG ■ ■ -3 ■ V1 -Z	22	-	-
8.8 ... 44	81	34.22	3.1		2KJ8502-2CG ■ ■ -3 ■ U1 -Z	22	-	-
B.29-LE71MB.								
6.4 ... 32	110	46.85	1		2KJ8501-2CG ■ ■ -3 ■ B2 -Z	17	-	-
7.2 ... 36	98	41.56	1.1		2KJ8501-2CG ■ ■ -3 ■ A2 -Z	17	-	-
8.3 ... 42	85	36.06	1.3		2KJ8501-2CG ■ ■ -3 ■ X1 -Z	17	-	-
9.2 ... 46	77	32.78	1.4		2KJ8501-2CG ■ ■ -3 ■ W1 -Z	17	-	-
10.7 ... 53	66	28.11	1.7		2KJ8501-2CG ■ ■ -3 ■ V1 -Z	17	-	-
11.7 ... 59	60	25.56	1.8		2KJ8501-2CG ■ ■ -3 ■ U1 -Z	17	-	-

Article No. supplements								
Motor temperature sensor	without	0						
	with Pt1000	1						
Motor brake	without	0						
(brake voltage 180 V DC)	with see Seite 5/2							
Converter fieldbus communication	see Seite 5/2							
Special versions	see Chapter 4 „Additional Order options“							

Bevel geared motors

Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm										
P _N	n ₂	T ₂	i	f _B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
					Article No.	m		Article No.	m	
kW	rpm	Nm	-	-	(Article No. supplements see below)	kg		(Article No. supplements see below)	kg	
0.37	B.29-LE71MB.									
	13.4 ... 67	53	22.41	2.1	2KJ8501-2CG	17	-	-	-	-
	15 ... 75	47	20	2.3	2KJ8501-2CG	17	-	-	-	-
	16.8 ... 84	42	17.82	2.6	2KJ8501-2CG	17	-	-	-	-
	18.2 ... 91	39	16.45	2.8	2KJ8501-2CG	17	-	-	-	-
	21 ... 104	34	14.4	3.2	2KJ8501-2CG	17	-	-	-	-
	B.19-LE71MB.									
	12 ... 60	59	25.06	0.85	2KJ8500-2CG	15	-	-	-	-
	13.2 ... 66	54	22.78	0.93	2KJ8500-2CG	15	-	-	-	-
	15.1 ... 76	47	19.86	1.1	2KJ8500-2CG	15	-	-	-	-
	16.9 ... 84	42	17.78	1.2	2KJ8500-2CG	15	-	-	-	-
	19 ... 95	37	15.79	1.3	2KJ8500-2CG	15	-	-	-	-
	21 ... 103	34	14.57	1.5	2KJ8500-2CG	15	-	-	-	-
	24 ... 118	30	12.66	1.7	2KJ8500-2CG	15	-	-	-	-
	27 ... 136	26	11	1.9	2KJ8500-2CG	15	-	-	-	-
	30 ... 151	23	9.93	2.1	2KJ8500-2CG	15	-	-	-	-
	32 ... 160	22	9.35	2.3	2KJ8500-2CG	15	-	-	-	-
	37 ... 184	19	8.15	2.4	2KJ8500-2CG	15	-	-	-	-
	38 ... 191	18	7.87	2	2KJ8500-2CG	15	-	-	-	-
	43 ... 215	16	6.99	2.3	2KJ8500-2CG	15	-	-	-	-
	47 ... 233	15	6.45	2.6	2KJ8500-2CG	15	-	-	-	-
	53 ... 267	13	5.61	2.8	2KJ8500-2CG	15	-	-	-	-
62 ... 308	12	4.87	3.1	2KJ8500-2CG	15	-	-	-	-	
68 ... 341	10	4.4	3.3	2KJ8500-2CG	15	-	-	-	-	
72 ... 362	10	4.14	3.4	2KJ8500-2CG	15	-	-	-	-	
83 ... 416	9	3.61	3.6	2KJ8500-2CG	15	-	-	-	-	
0.55	K.89-LE80MA.									
	1.3 ... 6.5	810	231.8	2	2KJ8510-2EB	67	2KJ8510-4EC	67	2KJ8510-4EC	67
	1.4 ... 7.1	735	210.72	2.2	2KJ8510-2EB	67	2KJ8510-4EC	67	2KJ8510-4EC	67
	1.6 ... 7.9	660	189.01	2.4	2KJ8510-2EB	67	2KJ8510-4EC	67	2KJ8510-4EC	67
	1.8 ... 8.8	595	169.94	2.7	2KJ8510-2EB	67	2KJ8510-4EC	67	2KJ8510-4EC	67
	2 ... 9.8	535	153.7	3	2KJ8510-2EB	67	2KJ8510-4EC	67	2KJ8510-4EC	67
	K.79-LE80MA.									
	1.2 ... 6.1	855	244.25	0.96	2KJ8508-2EB	46	2KJ8508-4EC	46	2KJ8508-4EC	46
	1.4 ... 6.8	775	222.05	1.1	2KJ8508-2EB	46	2KJ8508-4EC	46	2KJ8508-4EC	46
	1.6 ... 7.9	660	188.85	1.2	2KJ8508-2EB	46	2KJ8508-4EC	46	2KJ8508-4EC	46
1.7 ... 8.7	600	171.69	1.4	2KJ8508-2EB	46	2KJ8508-4EC	46	2KJ8508-4EC	46	
2 ... 9.8	535	153.18	1.5	2KJ8508-2EB	46	2KJ8508-4EC	46	2KJ8508-4EC	46	
2.2 ... 10.9	480	137.35	1.7	2KJ8508-2EB	46	2KJ8508-4EC	46	2KJ8508-4EC	46	
2.4 ... 12.1	430	123.8	1.9	2KJ8508-2EB	46	2KJ8508-4EC	46	2KJ8508-4EC	46	
2.6 ... 13.1	400	114.28	2	2KJ8508-2EB	46	2KJ8508-4EC	46	2KJ8508-4EC	46	
2.9 ... 14.4	365	104.32	2.2	2KJ8508-2EB	46	2KJ8508-4EC	46	2KJ8508-4EC	46	
3.5 ... 17.3	300	86.56	2.7	2KJ8508-2EB	46	2KJ8508-4EC	46	2KJ8508-4EC	46	
3.7 ... 18.4	285	81.47	2.9	2KJ8508-2EB	46	2KJ8508-4EC	46	2KJ8508-4EC	46	
3.9 ... 19.5	265	76.94	3	2KJ8508-2EB	46	2KJ8508-4EC	46	2KJ8508-4EC	46	
K.69-LE80MA.										
1.5 ... 7.6	685	196.59	0.87	2KJ8507-2EB	41	2KJ8507-4EC	41	2KJ8507-4EC	41	
1.7 ... 8.4	625	178.72	0.96	2KJ8507-2EB	41	2KJ8507-4EC	41	2KJ8507-4EC	41	
2 ... 9.9	530	152	1.1	2KJ8507-2EB	41	2KJ8507-4EC	41	2KJ8507-4EC	41	
2.2 ... 10.9	480	138.18	1.2	2KJ8507-2EB	41	2KJ8507-4EC	41	2KJ8507-4EC	41	
2.4 ... 12.2	430	123.29	1.4	2KJ8507-2EB	41	2KJ8507-4EC	41	2KJ8507-4EC	41	
2.7 ... 13.6	385	110.55	1.5	2KJ8507-2EB	41	2KJ8507-4EC	41	2KJ8507-4EC	41	
3 ... 15.1	345	99.64	1.7	2KJ8507-2EB	41	2KJ8507-4EC	41	2KJ8507-4EC	41	
3.3 ... 16.3	320	91.98	1.9	2KJ8507-2EB	41	2KJ8507-4EC	41	2KJ8507-4EC	41	
3.6 ... 17.9	290	83.96	2	2KJ8507-2EB	41	2KJ8507-4EC	41	2KJ8507-4EC	41	
4.3 ... 22	240	69.67	2.5	2KJ8507-2EB	41	2KJ8507-4EC	41	2KJ8507-4EC	41	
4.6 ... 23	230	65.57	2.6	2KJ8507-2EB	41	2KJ8507-4EC	41	2KJ8507-4EC	41	
4.8 ... 24	215	61.93	2.8	2KJ8507-2EB	41	2KJ8507-4EC	41	2KJ8507-4EC	41	
Article No. supplements					Order code					
Motor temperature sensor		without with Pt1000			0 1			0 1		
Motor brake (brake voltage 180 V DC)		without with see Seite 5/2			0 1, 2 or 3			0 1, 2 or 3		
Converter fieldbus communication see Seite 5/2					B, C, D, E, F or G					
Special versions see Chapter 4 „Additional Order options“					...+...					

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm										
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
kW	rpm	Nm	-	-	Article No.	m	Article No.	m		
					(Article No. supplements see below)			(Article No. supplements see below)		
0.55										
K.49-LE80MA.										
2.1 ... 10.6	495	142.13	0.84		2KJ8505-2EB	34	2KJ8505-4EC	34		
2.5 ... 12.3	425	121.6	0.99		2KJ8505-2EB	34	2KJ8505-4EC	34		
2.7 ... 13.6	385	110.55	1.1		2KJ8505-2EB	34	2KJ8505-4EC	34		
3.1 ... 15.4	340	97.71	1.2		2KJ8505-2EB	34	2KJ8505-4EC	34		
3.4 ... 16.9	310	88.83	1.4		2KJ8505-2EB	34	2KJ8505-4EC	34		
3.9 ... 19.3	270	77.81	1.5		2KJ8505-2EB	34	2KJ8505-4EC	34		
4.2 ... 21	250	71.82	1.7		2KJ8505-2EB	34	2KJ8505-4EC	34		
4.7 ... 24	220	63.59	1.9		2KJ8505-2EB	34	2KJ8505-4EC	34		
5.7 ... 28	185	52.93	2.3		2KJ8505-2EB	34	2KJ8505-4EC	34		
6 ... 30	174	49.82	2.4		2KJ8505-2EB	34	2KJ8505-4EC	34		
6.7 ... 34	156	44.63	2.7		2KJ8505-2EB	34	2KJ8505-4EC	34		
7.9 ... 39	133	38	3.2		2KJ8505-2EB	34	2KJ8505-4EC	34		
B.49-LE80MA.										
5.1 ... 25	205	59.28	2.2		2KJ8503-2EB	32	2KJ8503-4EC	32		
5.6 ... 28	189	53.89	2.4		2KJ8503-2EB	32	2KJ8503-4EC	32		
6.5 ... 33	160	45.83	2.8		2KJ8503-2EB	32	2KJ8503-4EC	32		
7.2 ... 36	146	41.67	3.1		2KJ8503-2EB	32	2KJ8503-4EC	32		
K.39-LE80MA.										
4 ... 19.9	260	75.24	0.84		2KJ8504-2EB	27	2KJ8504-4EC	27		
4.5 ... 22	235	67.16	0.94		2KJ8504-2EB	27	2KJ8504-4EC	27		
5 ... 25	210	59.85	1		2KJ8504-2EB	27	2KJ8504-4EC	27		
5.4 ... 27	193	55.25	1.1		2KJ8504-2EB	27	2KJ8504-4EC	27		
6.2 ... 31	169	48.37	1.3		2KJ8504-2EB	27	2KJ8504-4EC	27		
7.1 ... 35	149	42.41	1.5		2KJ8504-2EB	27	2KJ8504-4EC	27		
7.8 ... 39	135	38.48	1.6		2KJ8504-2EB	27	2KJ8504-4EC	27		
8.3 ... 41	127	36.21	1.7		2KJ8504-2EB	27	2KJ8504-4EC	27		
9.4 ... 47	112	31.92	2		2KJ8504-2EB	27	2KJ8504-4EC	27		
10.8 ... 54	97	27.7	2.3		2KJ8504-2EB	27	2KJ8504-4EC	27		
11.2 ... 56	94	26.89	2.3		2KJ8504-2EB	27	2KJ8504-4EC	27		
12.5 ... 63	84	23.97	2.6		2KJ8504-2EB	27	2KJ8504-4EC	27		
13.6 ... 68	78	22.12	2.8		2KJ8504-2EB	27	2KJ8504-4EC	27		
15.5 ... 77	68	19.37	3.2		2KJ8504-2EB	27	2KJ8504-4EC	27		
B.39-LE80MA.										
6 ... 30	175	50.11	1.2		2KJ8502-2EB	26	2KJ8502-4EC	26		
6.8 ... 34	154	44	1.6		2KJ8502-2EB	26	2KJ8502-4EC	26		
7.5 ... 38	140	40	1.6		2KJ8502-2EB	26	2KJ8502-4EC	26		
8.8 ... 44	120	34.22	2.1		2KJ8502-2EB	26	2KJ8502-4EC	26		
9.6 ... 48	109	31.11	2.3		2KJ8502-2EB	26	2KJ8502-4EC	26		
10.9 ... 55	96	27.5	2.6		2KJ8502-2EB	26	2KJ8502-4EC	26		
12 ... 60	88	25	2.9		2KJ8502-2EB	26	2KJ8502-4EC	26		
13.7 ... 68	77	21.9	3.3		2KJ8502-2EB	26	2KJ8502-4EC	26		
B.29-LE80MA.										
8.3 ... 42	126	36.06	0.87		2KJ8501-2EB	21	2KJ8501-4EC	21		
9.2 ... 46	115	32.78	0.96		2KJ8501-2EB	21	2KJ8501-4EC	21		
10.7 ... 53	98	28.11	1.1		2KJ8501-2EB	21	2KJ8501-4EC	21		
11.7 ... 59	90	25.56	1.2		2KJ8501-2EB	21	2KJ8501-4EC	21		
13.4 ... 67	78	22.41	1.4		2KJ8501-2EB	21	2KJ8501-4EC	21		
15 ... 75	70	20	1.6		2KJ8501-2EB	21	2KJ8501-4EC	21		
16.8 ... 84	62	17.82	1.8		2KJ8501-2EB	21	2KJ8501-4EC	21		
18.2 ... 91	58	16.45	1.9		2KJ8501-2EB	21	2KJ8501-4EC	21		
21 ... 104	50	14.4	2.2		2KJ8501-2EB	21	2KJ8501-4EC	21		
24 ... 119	44	12.63	2.5		2KJ8501-2EB	21	2KJ8501-4EC	21		
26 ... 131	40	11.46	2.7		2KJ8501-2EB	21	2KJ8501-4EC	21		
28 ... 139	38	10.78	2.9		2KJ8501-2EB	21	2KJ8501-4EC	21		
32 ... 158	33	9.51	3.3		2KJ8501-2EB	21	2KJ8501-4EC	21		
38 ... 191	28	7.84	2.7		2KJ8501-2EB	21	2KJ8501-4EC	21		
41 ... 203	26	7.38	2.9		2KJ8501-2EB	21	2KJ8501-4EC	21		
46 ... 230	23	6.51	3.3		2KJ8501-2EB	21	2KJ8501-4EC	21		

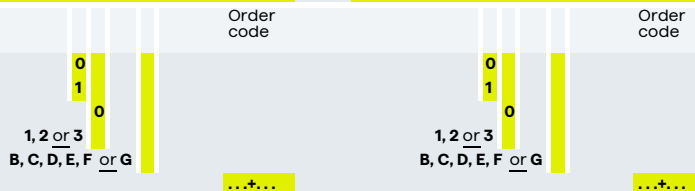
Article No. supplements

Motor temperature sensor without with Pt1000

Motor brake without with see Seite 5/2 (brake voltage 180 V DC)

Converter fieldbus communication see Seite 5/2

Special versions see Chapter 4 „Additional Order options“



Bevel geared motors

Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm										
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	Article No.	m
					(Article No. supplements see below)	kg	(Article No. supplements see below)	kg	(Article No. supplements see below)	kg
0.55	B.29-LE80MA.									
	53 ... 265	20	5.65	3.8	2KJ8501-2EB	21	2KJ8501-4EC	21		
	B.19-LE80MA.									
	16.9 ... 84	62	17.78	0.8	2KJ8500-2EB	19	2KJ8500-4EC	19		
	19 ... 95	55	15.79	0.9	2KJ8500-2EB	19	2KJ8500-4EC	19		
	21 ... 103	51	14.57	0.98	2KJ8500-2EB	19	2KJ8500-4EC	19		
	24 ... 118	44	12.66	1.1	2KJ8500-2EB	19	2KJ8500-4EC	19		
	27 ... 136	38	11	1.3	2KJ8500-2EB	19	2KJ8500-4EC	19		
	30 ... 151	35	9.93	1.4	2KJ8500-2EB	19	2KJ8500-4EC	19		
	32 ... 160	33	9.35	1.5	2KJ8500-2EB	19	2KJ8500-4EC	19		
	37 ... 184	28	8.15	1.6	2KJ8500-2EB	19	2KJ8500-4EC	19		
	38 ... 191	28	7.87	1.4	2KJ8500-2EB	19	2KJ8500-4EC	19		
	43 ... 215	24	6.99	1.6	2KJ8500-2EB	19	2KJ8500-4EC	19		
	47 ... 233	23	6.45	1.7	2KJ8500-2EB	19	2KJ8500-4EC	19		
	53 ... 267	20	5.61	1.9	2KJ8500-2EB	19	2KJ8500-4EC	19		
	62 ... 308	17	4.87	2.1	2KJ8500-2EB	19	2KJ8500-4EC	19		
	68 ... 341	15	4.4	2.2	2KJ8500-2EB	19	2KJ8500-4EC	19		
	72 ... 362	14	4.14	2.3	2KJ8500-2EB	19	2KJ8500-4EC	19		
	83 ... 416	13	3.61	2.5	2KJ8500-2EB	19	2KJ8500-4EC	19		
	0.75	K.109-LE80MB.								
1.4 ... 6.9		1030	216.65	2.8	2KJ8511-2EG	102	2KJ8511-4EH	105		
K.89-LE80MB.										
1.3 ... 6.5		1100	231.8	1.4	2KJ8510-2EG	66	2KJ8510-4EH	69		
1.4 ... 7.1		1000	210.72	1.6	2KJ8510-2EG	66	2KJ8510-4EH	69		
1.6 ... 7.9		900	189.01	1.8	2KJ8510-2EG	66	2KJ8510-4EH	69		
1.8 ... 8.8		810	169.94	2	2KJ8510-2EG	66	2KJ8510-4EH	69		
2 ... 9.8		730	153.7	2.2	2KJ8510-2EG	66	2KJ8510-4EH	69		
2.1 ... 10.6		675	141.88	2.4	2KJ8510-2EG	66	2KJ8510-4EH	69		
2.3 ... 11.5		620	129.96	2.6	2KJ8510-2EG	66	2KJ8510-4EH	69		
K.79-LE80MB.										
1.6 ... 7.9		900	188.85	0.91	2KJ8508-2EG	45	2KJ8508-4EH	48		
1.7 ... 8.7		820	171.69	1	2KJ8508-2EG	45	2KJ8508-4EH	48		
2 ... 9.8		730	153.18	1.1	2KJ8508-2EG	45	2KJ8508-4EH	48		
2.2 ... 10.9		655	137.35	1.3	2KJ8508-2EG	45	2KJ8508-4EH	48		
2.4 ... 12.1		590	123.8	1.4	2KJ8508-2EG	45	2KJ8508-4EH	48		
2.6 ... 13.1		545	114.28	1.5	2KJ8508-2EG	45	2KJ8508-4EH	48		
2.9 ... 14.4		495	104.32	1.6	2KJ8508-2EG	45	2KJ8508-4EH	48		
3.5 ... 17.3		410	86.56	2	2KJ8508-2EG	45	2KJ8508-4EH	48		
3.7 ... 18.4		385	81.47	2.1	2KJ8508-2EG	45	2KJ8508-4EH	48		
3.9 ... 19.5	365	76.94	2.2	2KJ8508-2EG	45	2KJ8508-4EH	48			
4.6 ... 23	310	65.47	2.6	2KJ8508-2EG	45	2KJ8508-4EH	48			
5.3 ... 27	265	56.08	3.1	2KJ8508-2EG	45	2KJ8508-4EH	48			
K.69-LE80MB.										
2 ... 9.9	725	152	0.83	2KJ8507-2EG	40	2KJ8507-4EH	43			
2.2 ... 10.9	660	138.18	0.91	2KJ8507-2EG	40	2KJ8507-4EH	43			
2.4 ... 12.2	585	123.29	1	2KJ8507-2EG	40	2KJ8507-4EH	43			
2.7 ... 13.6	525	110.55	1.1	2KJ8507-2EG	40	2KJ8507-4EH	43			
3 ... 15.1	475	99.64	1.3	2KJ8507-2EG	40	2KJ8507-4EH	43			
3.3 ... 16.3	435	91.98	1.4	2KJ8507-2EG	40	2KJ8507-4EH	43			
3.6 ... 17.9	400	83.96	1.5	2KJ8507-2EG	40	2KJ8507-4EH	43			
4.3 ... 22	330	69.67	1.8	2KJ8507-2EG	40	2KJ8507-4EH	43			
4.6 ... 23	310	65.57	1.9	2KJ8507-2EG	40	2KJ8507-4EH	43			
4.8 ... 24	295	61.93	2	2KJ8507-2EG	40	2KJ8507-4EH	43			
5.7 ... 28	250	52.69	2.4	2KJ8507-2EG	40	2KJ8507-4EH	43			
6.6 ... 33	215	45.14	2.8	2KJ8507-2EG	40	2KJ8507-4EH	43			
7.6 ... 38	190	39.69	3.2	2KJ8507-2EG	40	2KJ8507-4EH	43			
K.49-LE80MB.										
2.7 ... 13.6	525	110.55	0.8	2KJ8505-2EG	33	2KJ8505-4EH	36			
3.1 ... 15.4	465	97.71	0.9	2KJ8505-2EG	33	2KJ8505-4EH	36			

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	1, 2 or 3	1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...	...+...

Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B -	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
1.1								
K.69-LE90S.								
4.3 ... 22	485	69.67	1.2	1.2	2KJ8507-2GB	41	2KJ8507-4GC	45
4.6 ... 23	455	65.57	1.3	1.3	2KJ8507-2GB	41	2KJ8507-4GC	45
4.8 ... 24	430	61.93	1.4	1.4	2KJ8507-2GB	41	2KJ8507-4GC	45
5.7 ... 28	365	52.69	1.6	1.6	2KJ8507-2GB	41	2KJ8507-4GC	45
6.6 ... 33	315	45.14	1.9	1.9	2KJ8507-2GB	41	2KJ8507-4GC	45
7.6 ... 38	275	39.69	2.2	2.2	2KJ8507-2GB	41	2KJ8507-4GC	45
9 ... 45	230	33.48	2.5	2.5	2KJ8507-2GB	41	2KJ8507-4GC	45
10.3 ... 51	200	29.18	2.7	2.7	2KJ8507-2GB	41	2KJ8507-4GC	45
11.5 ... 58	182	26.05	3.3	3.3	2KJ8507-2GB	41	2KJ8507-4GC	45
K.49-LE90S.								
4.2 ... 21	500	71.82	0.84	0.84	2KJ8505-2GB	34	2KJ8505-4GC	38
4.7 ... 24	445	63.59	0.94	0.94	2KJ8505-2GB	34	2KJ8505-4GC	38
5.7 ... 28	370	52.93	1.1	1.1	2KJ8505-2GB	34	2KJ8505-4GC	38
6 ... 30	345	49.82	1.2	1.2	2KJ8505-2GB	34	2KJ8505-4GC	38
6.7 ... 34	310	44.63	1.3	1.3	2KJ8505-2GB	34	2KJ8505-4GC	38
7.9 ... 39	265	38	1.6	1.6	2KJ8505-2GB	34	2KJ8505-4GC	38
9.2 ... 46	225	32.57	1.8	1.8	2KJ8505-2GB	34	2KJ8505-4GC	38
10.7 ... 53	196	28.05	2.1	2.1	2KJ8505-2GB	34	2KJ8505-4GC	38
11.4 ... 57	184	26.3	2.3	2.3	2KJ8505-2GB	34	2KJ8505-4GC	38
12.9 ... 64	163	23.28	2.6	2.6	2KJ8505-2GB	34	2KJ8505-4GC	38
15.5 ... 77	136	19.38	3.1	3.1	2KJ8505-2GB	34	2KJ8505-4GC	38
16.4 ... 82	128	18.24	3.3	3.3	2KJ8505-2GB	34	2KJ8505-4GC	38
B.49-LE90S.								
5.1 ... 25	415	59.28	1.1	1.1	2KJ8503-2GB	32	2KJ8503-4GC	36
5.6 ... 28	375	53.89	1.2	1.2	2KJ8503-2GB	32	2KJ8503-4GC	36
6.5 ... 33	320	45.83	1.4	1.4	2KJ8503-2GB	32	2KJ8503-4GC	36
7.2 ... 36	290	41.67	1.5	1.5	2KJ8503-2GB	32	2KJ8503-4GC	36
8.1 ... 40	260	37.18	1.7	1.7	2KJ8503-2GB	32	2KJ8503-4GC	36
9 ... 45	230	33.33	1.9	1.9	2KJ8503-2GB	32	2KJ8503-4GC	36
10 ... 50	210	30.05	2.1	2.1	2KJ8503-2GB	32	2KJ8503-4GC	36
10.8 ... 54	194	27.74	2.3	2.3	2KJ8503-2GB	32	2KJ8503-4GC	36
11.8 ... 59	177	25.32	2.5	2.5	2KJ8503-2GB	32	2KJ8503-4GC	36
14.3 ... 71	147	21.01	3.1	3.1	2KJ8503-2GB	32	2KJ8503-4GC	36
15.2 ... 76	138	19.77	3.3	3.3	2KJ8503-2GB	32	2KJ8503-4GC	36
16.1 ... 80	131	18.67	3.4	3.4	2KJ8503-2GB	32	2KJ8503-4GC	36
K.39-LE90S.								
7.8 ... 39	265	38.48	0.82	0.82	2KJ8504-2GB	28	2KJ8504-4GC	32
8.3 ... 41	250	36.21	0.87	0.87	2KJ8504-2GB	28	2KJ8504-4GC	32
9.4 ... 47	220	31.92	0.98	0.98	2KJ8504-2GB	28	2KJ8504-4GC	32
10.8 ... 54	194	27.7	1.1	1.1	2KJ8504-2GB	28	2KJ8504-4GC	32
11.2 ... 56	188	26.89	1.2	1.2	2KJ8504-2GB	28	2KJ8504-4GC	32
12.5 ... 63	168	23.97	1.3	1.3	2KJ8504-2GB	28	2KJ8504-4GC	32
13.6 ... 68	155	22.12	1.4	1.4	2KJ8504-2GB	28	2KJ8504-4GC	32
15.5 ... 77	136	19.37	1.6	1.6	2KJ8504-2GB	28	2KJ8504-4GC	32
17.7 ... 88	119	16.98	1.9	1.9	2KJ8504-2GB	28	2KJ8504-4GC	32
19.5 ... 97	108	15.41	2	2	2KJ8504-2GB	28	2KJ8504-4GC	32
21 ... 103	102	14.5	2.2	2.2	2KJ8504-2GB	28	2KJ8504-4GC	32
23 ... 117	90	12.78	2.5	2.5	2KJ8504-2GB	28	2KJ8504-4GC	32
27 ... 135	78	11.09	2.8	2.8	2KJ8504-2GB	28	2KJ8504-4GC	32
30 ... 149	70	10.04	2.6	2.6	2KJ8504-2GB	28	2KJ8504-4GC	32
34 ... 170	62	8.81	3	3	2KJ8504-2GB	28	2KJ8504-4GC	32
38 ... 188	56	7.99	3.1	3.1	2KJ8504-2GB	28	2KJ8504-4GC	32
40 ... 199	53	7.52	3.2	3.2	2KJ8504-2GB	28	2KJ8504-4GC	32
45 ... 226	46	6.63	3.5	3.5	2KJ8504-2GB	28	2KJ8504-4GC	32
52 ... 261	40	5.75	3.7	3.7	2KJ8504-2GB	28	2KJ8504-4GC	32
B.39-LE90S.								
6.8 ... 34	305	44	0.81	0.81	2KJ8502-2GB	27	2KJ8502-4GC	31
7.5 ... 38	280	40	0.82	0.82	2KJ8502-2GB	27	2KJ8502-4GC	31

Article No. supplements

Motor temperature sensor	without with Pt1000	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	0 1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...

Order code

Order code

Bevel geared motors

Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
1.1	B.39-LE90S.							
8.8 ... 44		240	34.22	1	2KJ8502-2GB ■■■ -3 ■ U1 -Z	27	2KJ8502-4GC ■■■ -3 ■ U1 -Z	31
9.6 ... 48		215	31.11	1.1	2KJ8502-2GB ■■■ -3 ■ T1 -Z	27	2KJ8502-4GC ■■■ -3 ■ T1 -Z	31
10.9 ... 55		193	27.5	1.3	2KJ8502-2GB ■■■ -3 ■ S1 -Z	27	2KJ8502-4GC ■■■ -3 ■ S1 -Z	31
12 ... 60		175	25	1.4	2KJ8502-2GB ■■■ -3 ■ R1 -Z	27	2KJ8502-4GC ■■■ -3 ■ R1 -Z	31
13.7 ... 68		153	21.9	1.6	2KJ8502-2GB ■■■ -3 ■ Q1 -Z	27	2KJ8502-4GC ■■■ -3 ■ Q1 -Z	31
14.8 ... 74		142	20.21	1.8	2KJ8502-2GB ■■■ -3 ■ P1 -Z	27	2KJ8502-4GC ■■■ -3 ■ P1 -Z	31
16.8 ... 84		125	17.9	2	2KJ8502-2GB ■■■ -3 ■ N1 -Z	27	2KJ8502-4GC ■■■ -3 ■ N1 -Z	31
20 ... 101		104	14.9	2.4	2KJ8502-2GB ■■■ -3 ■ M1 -Z	27	2KJ8502-4GC ■■■ -3 ■ M1 -Z	31
21 ... 107		98	14.02	2.5	2KJ8502-2GB ■■■ -3 ■ L1 -Z	27	2KJ8502-4GC ■■■ -3 ■ L1 -Z	31
24 ... 119		88	12.56	2.8	2KJ8502-2GB ■■■ -3 ■ K1 -Z	27	2KJ8502-4GC ■■■ -3 ■ K1 -Z	31
28 ... 140		75	10.69	3.2	2KJ8502-2GB ■■■ -3 ■ J1 -Z	27	2KJ8502-4GC ■■■ -3 ■ J1 -Z	31
33 ... 164		64	9.17	3.6	2KJ8502-2GB ■■■ -3 ■ H1 -Z	27	2KJ8502-4GC ■■■ -3 ■ H1 -Z	31
	B.29-LE90S.							
16.8 ... 84		125	17.82	0.88	2KJ8501-2GB ■■■ -3 ■ R1 -Z	22	2KJ8501-4GC ■■■ -3 ■ R1 -Z	26
18.2 ... 91		115	16.45	0.95	2KJ8501-2GB ■■■ -3 ■ Q1 -Z	22	2KJ8501-4GC ■■■ -3 ■ Q1 -Z	26
21 ... 104		101	14.4	1.1	2KJ8501-2GB ■■■ -3 ■ P1 -Z	22	2KJ8501-4GC ■■■ -3 ■ P1 -Z	26
24 ... 119		88	12.63	1.2	2KJ8501-2GB ■■■ -3 ■ N1 -Z	22	2KJ8501-4GC ■■■ -3 ■ N1 -Z	26
26 ... 131		80	11.46	1.4	2KJ8501-2GB ■■■ -3 ■ M1 -Z	22	2KJ8501-4GC ■■■ -3 ■ M1 -Z	26
28 ... 139		76	10.78	1.5	2KJ8501-2GB ■■■ -3 ■ L1 -Z	22	2KJ8501-4GC ■■■ -3 ■ L1 -Z	26
32 ... 158		67	9.51	1.7	2KJ8501-2GB ■■■ -3 ■ K1 -Z	22	2KJ8501-4GC ■■■ -3 ■ K1 -Z	26
36 ... 182		58	8.25	1.9	2KJ8501-2GB ■■■ -3 ■ J1 -Z	22	2KJ8501-4GC ■■■ -3 ■ J1 -Z	26
38 ... 191		55	7.84	1.4	2KJ8501-2GB ■■■ -3 ■ H1 -Z	22	2KJ8501-4GC ■■■ -3 ■ H1 -Z	26
41 ... 203		52	7.38	1.5	2KJ8501-2GB ■■■ -3 ■ G1 -Z	22	2KJ8501-4GC ■■■ -3 ■ G1 -Z	26
46 ... 230		46	6.51	1.6	2KJ8501-2GB ■■■ -3 ■ F1 -Z	22	2KJ8501-4GC ■■■ -3 ■ F1 -Z	26
53 ... 265		40	5.65	1.9	2KJ8501-2GB ■■■ -3 ■ E1 -Z	22	2KJ8501-4GC ■■■ -3 ■ E1 -Z	26
59 ... 296		36	5.07	2.1	2KJ8501-2GB ■■■ -3 ■ D1 -Z	22	2KJ8501-4GC ■■■ -3 ■ D1 -Z	26
63 ... 314		34	4.78	2.2	2KJ8501-2GB ■■■ -3 ■ C1 -Z	22	2KJ8501-4GC ■■■ -3 ■ C1 -Z	26
71 ... 356		30	4.21	2.5	2KJ8501-2GB ■■■ -3 ■ B1 -Z	22	2KJ8501-4GC ■■■ -3 ■ B1 -Z	26
82 ... 411		26	3.65	2.9	2KJ8501-2GB ■■■ -3 ■ A1 -Z	22	2KJ8501-4GC ■■■ -3 ■ A1 -Z	26
1.5	K.109-LE90L.							
1.4 ... 6.9	2060	216.65	1.4	2KJ8511-2GG ■■■ -3 ■ H2 -Z	108	2KJ8511-4GH ■■■ -3 ■ H2 -Z	111	
1.5 ... 7.7	1860	195.6	1.6	2KJ8511-2GG ■■■ -3 ■ G2 -Z	108	2KJ8511-4GH ■■■ -3 ■ G2 -Z	111	
1.7 ... 8.5	1690	177.43	1.7	2KJ8511-2GG ■■■ -3 ■ F2 -Z	108	2KJ8511-4GH ■■■ -3 ■ F2 -Z	111	
1.8 ... 9.2	1560	163.78	1.9	2KJ8511-2GG ■■■ -3 ■ E2 -Z	108	2KJ8511-4GH ■■■ -3 ■ E2 -Z	111	
2 ... 10.1	1420	148.88	2	2KJ8511-2GG ■■■ -3 ■ D2 -Z	108	2KJ8511-4GH ■■■ -3 ■ D2 -Z	111	
2.4 ... 11.9	1200	126.07	2.4	2KJ8511-2GG ■■■ -3 ■ C2 -Z	108	2KJ8511-4GH ■■■ -3 ■ C2 -Z	111	
2.5 ... 12.6	1130	118.65	2.6	2KJ8511-2GG ■■■ -3 ■ B2 -Z	108	2KJ8511-4GH ■■■ -3 ■ B2 -Z	111	
2.7 ... 13.7	1040	109.57	2.8	2KJ8511-2GG ■■■ -3 ■ A2 -Z	108	2KJ8511-4GH ■■■ -3 ■ A2 -Z	111	
	K.89-LE90L.							
1.4 ... 7.1	2010	210.72	0.8	2KJ8510-2GG ■■■ -3 ■ J2 -Z	71	2KJ8510-4GH ■■■ -3 ■ J2 -Z	74	
1.6 ... 7.9	1800	189.01	0.89	2KJ8510-2GG ■■■ -3 ■ H2 -Z	71	2KJ8510-4GH ■■■ -3 ■ H2 -Z	74	
1.8 ... 8.8	1620	169.94	0.99	2KJ8510-2GG ■■■ -3 ■ G2 -Z	71	2KJ8510-4GH ■■■ -3 ■ G2 -Z	74	
2 ... 9.8	1460	153.7	1.1	2KJ8510-2GG ■■■ -3 ■ F2 -Z	71	2KJ8510-4GH ■■■ -3 ■ F2 -Z	74	
2.1 ... 10.6	1350	141.88	1.2	2KJ8510-2GG ■■■ -3 ■ E2 -Z	71	2KJ8510-4GH ■■■ -3 ■ E2 -Z	74	
2.3 ... 11.5	1240	129.96	1.3	2KJ8510-2GG ■■■ -3 ■ D2 -Z	71	2KJ8510-4GH ■■■ -3 ■ D2 -Z	74	
2.8 ... 13.8	1040	109.04	1.5	2KJ8510-2GG ■■■ -3 ■ C2 -Z	71	2KJ8510-4GH ■■■ -3 ■ C2 -Z	74	
2.9 ... 14.6	980	102.63	1.6	2KJ8510-2GG ■■■ -3 ■ B2 -Z	71	2KJ8510-4GH ■■■ -3 ■ B2 -Z	74	
3.2 ... 15.9	895	94.16	1.8	2KJ8510-2GG ■■■ -3 ■ A2 -Z	71	2KJ8510-4GH ■■■ -3 ■ A2 -Z	74	
3.6 ... 18.2	785	82.25	2	2KJ8510-2GG ■■■ -3 ■ X1 -Z	71	2KJ8510-4GH ■■■ -3 ■ X1 -Z	74	
4.1 ... 20	700	73.64	2.3	2KJ8510-2GG ■■■ -3 ■ W1 -Z	71	2KJ8510-4GH ■■■ -3 ■ W1 -Z	74	
4.7 ... 23	615	64.39	2.6	2KJ8510-2GG ■■■ -3 ■ V1 -Z	71	2KJ8510-4GH ■■■ -3 ■ V1 -Z	74	
5.4 ... 27	525	55.27	3	2KJ8510-2GG ■■■ -3 ■ U1 -Z	71	2KJ8510-4GH ■■■ -3 ■ U1 -Z	74	
	K.79-LE90L.							
2.9 ... 14.4	995	104.32	0.82	2KJ8508-2GG ■■■ -3 ■ A2 -Z	49	2KJ8508-4GH ■■■ -3 ■ A2 -Z	52	
3.5 ... 17.3	825	86.56	0.99	2KJ8508-2GG ■■■ -3 ■ X1 -Z	49	2KJ8508-4GH ■■■ -3 ■ X1 -Z	52	
3.7 ... 18.4	775	81.47	1.1	2KJ8508-2GG ■■■ -3 ■ W1 -Z	49	2KJ8508-4GH ■■■ -3 ■ W1 -Z	52	
3.9 ... 19.5	735	76.94	1.1	2KJ8508-2GG ■■■ -3 ■ V1 -Z	49	2KJ8508-4GH ■■■ -3 ■ V1 -Z	52	
4.6 ... 23	625	65.47	1.3	2KJ8508-2GG ■■■ -3 ■ U1 -Z	49	2KJ8508-4GH ■■■ -3 ■ U1 -Z	52	

Article No. supplements

Motor temperature sensor	without with Pt1000	0 1		Order code		0 1		Order code
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2		1, 2 or 3				1, 2 or 3	
Converter fieldbus communication	see Seite 5/2		B, C, D, E, F or G				B, C, D, E, F or G	
Special versions	see Chapter 4 „Additional Order options“				...			...

Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B -	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
1.5	K.79-LE90L.							
	5.3 ... 27	535	56.08	1.5	2KJ8508-2GG	49	2KJ8508-4GH	52
	6.1 ... 30	470	49.31	1.7	2KJ8508-2GG	49	2KJ8508-4GH	52
	7.2 ... 36	395	41.6	2	2KJ8508-2GG	49	2KJ8508-4GH	52
	8.3 ... 41	345	36.26	2.2	2KJ8508-2GG	49	2KJ8508-4GH	52
	9.2 ... 46	310	32.78	2.6	2KJ8508-2GG	49	2KJ8508-4GH	52
	11 ... 55	260	27.2	3.1	2KJ8508-2GG	49	2KJ8508-4GH	52
	11.7 ... 59	240	25.6	3.2	2KJ8508-2GG	49	2KJ8508-4GH	52
	12.4 ... 62	230	24.17	3.3	2KJ8508-2GG	49	2KJ8508-4GH	52
	K.69-LE90L.							
	4.3 ... 22	665	69.67	0.9	2KJ8507-2GG	44	2KJ8507-4GH	47
	4.6 ... 23	625	65.57	0.96	2KJ8507-2GG	44	2KJ8507-4GH	47
	4.8 ... 24	590	61.93	1	2KJ8507-2GG	44	2KJ8507-4GH	47
	5.7 ... 28	500	52.69	1.2	2KJ8507-2GG	44	2KJ8507-4GH	47
	6.6 ... 33	430	45.14	1.4	2KJ8507-2GG	44	2KJ8507-4GH	47
	7.6 ... 38	375	39.69	1.6	2KJ8507-2GG	44	2KJ8507-4GH	47
	9 ... 45	320	33.48	1.8	2KJ8507-2GG	44	2KJ8507-4GH	47
	10.3 ... 51	275	29.18	2	2KJ8507-2GG	44	2KJ8507-4GH	47
	11.5 ... 58	245	26.05	2.4	2KJ8507-2GG	44	2KJ8507-4GH	47
	12.2 ... 61	230	24.52	2.5	2KJ8507-2GG	44	2KJ8507-4GH	47
	13 ... 65	220	23.15	2.6	2KJ8507-2GG	44	2KJ8507-4GH	47
	15.2 ... 76	188	19.7	3	2KJ8507-2GG	44	2KJ8507-4GH	47
	17.8 ... 89	161	16.88	3.3	2KJ8507-2GG	44	2KJ8507-4GH	47
	K.49-LE90L.							
	5.7 ... 28	505	52.93	0.83	2KJ8505-2GG	37	2KJ8505-4GH	40
	6 ... 30	475	49.82	0.88	2KJ8505-2GG	37	2KJ8505-4GH	40
	6.7 ... 34	425	44.63	0.99	2KJ8505-2GG	37	2KJ8505-4GH	40
	7.9 ... 39	360	38	1.2	2KJ8505-2GG	37	2KJ8505-4GH	40
	9.2 ... 46	310	32.57	1.4	2KJ8505-2GG	37	2KJ8505-4GH	40
	10.7 ... 53	265	28.05	1.6	2KJ8505-2GG	37	2KJ8505-4GH	40
	11.4 ... 57	250	26.3	1.7	2KJ8505-2GG	37	2KJ8505-4GH	40
	12.9 ... 64	220	23.28	1.9	2KJ8505-2GG	37	2KJ8505-4GH	40
	15.5 ... 77	185	19.38	2.3	2KJ8505-2GG	37	2KJ8505-4GH	40
	16.4 ... 82	174	18.24	2.4	2KJ8505-2GG	37	2KJ8505-4GH	40
	18.4 ... 92	156	16.34	2.7	2KJ8505-2GG	37	2KJ8505-4GH	40
	22 ... 108	133	13.91	3.2	2KJ8505-2GG	37	2KJ8505-4GH	40
31 ... 154	93	9.75	3	2KJ8505-2GG	37	2KJ8505-4GH	40	
33 ... 163	88	9.18	3.1	2KJ8505-2GG	37	2KJ8505-4GH	40	
36 ... 182	78	8.22	3.2	2KJ8505-2GG	37	2KJ8505-4GH	40	
43 ... 214	67	7	3.6	2KJ8505-2GG	37	2KJ8505-4GH	40	
50 ... 250	57	6	3.9	2KJ8505-2GG	37	2KJ8505-4GH	40	
B.49-LE90L.								
5.6 ... 28	515	53.89	0.87	2KJ8503-2GG	35	2KJ8503-4GH	38	
6.5 ... 33	435	45.83	1	2KJ8503-2GG	35	2KJ8503-4GH	38	
7.2 ... 36	395	41.67	1.1	2KJ8503-2GG	35	2KJ8503-4GH	38	
8.1 ... 40	355	37.18	1.3	2KJ8503-2GG	35	2KJ8503-4GH	38	
9 ... 45	315	33.33	1.4	2KJ8503-2GG	35	2KJ8503-4GH	38	
10 ... 50	285	30.05	1.6	2KJ8503-2GG	35	2KJ8503-4GH	38	
10.8 ... 54	265	27.74	1.7	2KJ8503-2GG	35	2KJ8503-4GH	38	
11.8 ... 59	240	25.32	1.9	2KJ8503-2GG	35	2KJ8503-4GH	38	
14.3 ... 71	200	21.01	2.2	2KJ8503-2GG	35	2KJ8503-4GH	38	
15.2 ... 76	189	19.77	2.4	2KJ8503-2GG	35	2KJ8503-4GH	38	
16.1 ... 80	178	18.67	2.5	2KJ8503-2GG	35	2KJ8503-4GH	38	
18.9 ... 94	152	15.89	3	2KJ8503-2GG	35	2KJ8503-4GH	38	
22 ... 110	130	13.61	3.5	2KJ8503-2GG	35	2KJ8503-4GH	38	
K.39-LE90L.								
10.8 ... 54	265	27.7	0.83	2KJ8504-2GG	31	2KJ8504-4GH	34	
11.2 ... 56	255	26.89	0.86	2KJ8504-2GG	31	2KJ8504-4GH	34	
12.5 ... 63	225	23.97	0.96	2KJ8504-2GG	31	2KJ8504-4GH	34	

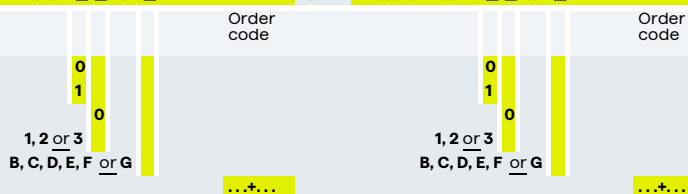
Article No. supplements

Motor temperature sensor without
with Pt1000

Motor brake without
(brake voltage 180 V DC) with see Seite 5/2

Converter fieldbus communication see Seite 5/2

Special versions see Chapter 4 „Additional Order options“



Selection and ordering data

Control range 1:5

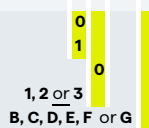
Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

P _N	n ₂	T ₂	i	f _B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
2.2	K.109-LE112MA.							
1.4 ... 6.9	3030	216.65	0.96	-	-	2KJ8511-4LC	■ ■ -3 ■ H2 -Z	129
1.5 ... 7.7	2740	195.6	1.1	-	-	2KJ8511-4LC	■ ■ -3 ■ G2 -Z	129
1.7 ... 8.5	2480	177.43	1.2	-	-	2KJ8511-4LC	■ ■ -3 ■ F2 -Z	129
1.8 ... 9.2	2290	163.78	1.3	-	-	2KJ8511-4LC	■ ■ -3 ■ E2 -Z	129
2 ... 10.1	2080	148.88	1.4	-	-	2KJ8511-4LC	■ ■ -3 ■ D2 -Z	129
2.4 ... 11.9	1760	126.07	1.6	-	-	2KJ8511-4LC	■ ■ -3 ■ C2 -Z	129
2.5 ... 12.6	1660	118.65	1.7	-	-	2KJ8511-4LC	■ ■ -3 ■ B2 -Z	129
2.7 ... 13.7	1530	109.57	1.9	-	-	2KJ8511-4LC	■ ■ -3 ■ A2 -Z	129
3.1 ... 15.4	1360	97.49	2.1	-	-	2KJ8511-4LC	■ ■ -3 ■ X1 -Z	129
3.5 ... 17.3	1210	86.59	2.4	-	-	2KJ8511-4LC	■ ■ -3 ■ W1 -Z	129
3.9 ... 19.4	1080	77.51	2.7	-	-	2KJ8511-4LC	■ ■ -3 ■ V1 -Z	129
4.5 ... 23	925	66.26	3.1	-	-	2KJ8511-4LC	■ ■ -3 ■ U1 -Z	129
	K.89-LE100LA.							
2.1 ... 10.6	1980	141.88	0.81	-	-	2KJ8510-2JB	■ ■ -3 ■ E2 -Z	90
2.3 ... 11.5	1820	129.96	0.88	-	-	2KJ8510-2JB	■ ■ -3 ■ D2 -Z	90
2.8 ... 13.8	1520	109.04	1	-	-	2KJ8510-2JB	■ ■ -3 ■ C2 -Z	90
2.9 ... 14.6	1430	102.63	1.1	-	-	2KJ8510-2JB	■ ■ -3 ■ B2 -Z	90
3.2 ... 15.9	1310	94.16	1.2	-	-	2KJ8510-2JB	■ ■ -3 ■ A2 -Z	90
3.6 ... 18.2	1150	82.25	1.4	-	-	2KJ8510-2JB	■ ■ -3 ■ X1 -Z	90
4.1 ... 20	1030	73.64	1.6	-	-	2KJ8510-2JB	■ ■ -3 ■ W1 -Z	90
4.7 ... 23	900	64.39	1.8	-	-	2KJ8510-2JB	■ ■ -3 ■ V1 -Z	90
5.4 ... 27	770	55.27	2.1	-	-	2KJ8510-2JB	■ ■ -3 ■ U1 -Z	90
6.1 ... 31	680	48.85	2.3	-	-	2KJ8510-2JB	■ ■ -3 ■ T1 -Z	90
7.2 ... 36	580	41.54	2.7	-	-	2KJ8510-2JB	■ ■ -3 ■ S1 -Z	90
7.6 ... 38	550	39.29	2.9	-	-	2KJ8510-2JB	■ ■ -3 ■ R1 -Z	90
	K.89-LE112MA.							
2.1 ... 10.6	1980	141.88	0.81	-	-	2KJ8510-4LC	■ ■ -3 ■ E2 -Z	93
2.3 ... 11.5	1820	129.96	0.88	-	-	2KJ8510-4LC	■ ■ -3 ■ D2 -Z	93
2.8 ... 13.8	1520	109.04	1	-	-	2KJ8510-4LC	■ ■ -3 ■ C2 -Z	93
2.9 ... 14.6	1430	102.63	1.1	-	-	2KJ8510-4LC	■ ■ -3 ■ B2 -Z	93
3.2 ... 15.9	1310	94.16	1.2	-	-	2KJ8510-4LC	■ ■ -3 ■ A2 -Z	93
3.6 ... 18.2	1150	82.25	1.4	-	-	2KJ8510-4LC	■ ■ -3 ■ X1 -Z	93
4.1 ... 20	1030	73.64	1.6	-	-	2KJ8510-4LC	■ ■ -3 ■ W1 -Z	93
4.7 ... 23	900	64.39	1.8	-	-	2KJ8510-4LC	■ ■ -3 ■ V1 -Z	93
5.4 ... 27	770	55.27	2.1	-	-	2KJ8510-4LC	■ ■ -3 ■ U1 -Z	93
6.1 ... 31	680	48.85	2.3	-	-	2KJ8510-4LC	■ ■ -3 ■ T1 -Z	93
7.2 ... 36	580	41.54	2.7	-	-	2KJ8510-4LC	■ ■ -3 ■ S1 -Z	93
7.6 ... 38	550	39.29	2.9	-	-	2KJ8510-4LC	■ ■ -3 ■ R1 -Z	93
	K.79-LE100LA.							
4.6 ... 23	915	65.47	0.89	-	-	2KJ8508-2JB	■ ■ -3 ■ U1 -Z	69
5.3 ... 27	785	56.08	1	-	-	2KJ8508-2JB	■ ■ -3 ■ T1 -Z	69
6.1 ... 30	690	49.31	1.2	-	-	2KJ8508-2JB	■ ■ -3 ■ S1 -Z	69
7.2 ... 36	580	41.6	1.4	-	-	2KJ8508-2JB	■ ■ -3 ■ R1 -Z	69
8.3 ... 41	505	36.26	1.5	-	-	2KJ8508-2JB	■ ■ -3 ■ Q1 -Z	69
9.2 ... 46	455	32.78	1.8	-	-	2KJ8508-2JB	■ ■ -3 ■ P1 -Z	69
11 ... 55	380	27.2	2.1	-	-	2KJ8508-2JB	■ ■ -3 ■ N1 -Z	69
11.7 ... 59	355	25.6	2.2	-	-	2KJ8508-2JB	■ ■ -3 ■ M1 -Z	69
12.4 ... 62	335	24.17	2.3	-	-	2KJ8508-2JB	■ ■ -3 ■ L1 -Z	69
14.6 ... 73	285	20.57	2.6	-	-	2KJ8508-2JB	■ ■ -3 ■ K1 -Z	69
17 ... 85	245	17.62	2.9	-	-	2KJ8508-2JB	■ ■ -3 ■ J1 -Z	69
19.4 ... 97	215	15.49	3.2	-	-	2KJ8508-2JB	■ ■ -3 ■ H1 -Z	69
29 ... 143	147	10.51	3	-	-	2KJ8508-2JB	■ ■ -3 ■ E1 -Z	69
33 ... 166	126	9.01	3.6	-	-	2KJ8508-2JB	■ ■ -3 ■ D1 -Z	69
	K.79-LE112MA.							
4.6 ... 23	915	65.47	0.89	-	-	2KJ8508-4LC	■ ■ -3 ■ U1 -Z	73
5.3 ... 27	785	56.08	1	-	-	2KJ8508-4LC	■ ■ -3 ■ T1 -Z	73
6.1 ... 30	690	49.31	1.2	-	-	2KJ8508-4LC	■ ■ -3 ■ S1 -Z	73
7.2 ... 36	580	41.6	1.4	-	-	2KJ8508-4LC	■ ■ -3 ■ R1 -Z	73

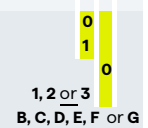
Article No. supplements

Motor temperature sensor	without with Pt1000	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	0 1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...

Order code



Order code



Bevel geared motors

Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm											
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4			
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	Article No.	m	
					(Article No. supplements see below)			(Article No. supplements see below)			
2.2	K.79-LE112MA.										
8.3 ... 41	505	36.26	1.5	-	-	-	2KJ8508-4LC	-3	Q1	-Z	73
9.2 ... 46	455	32.78	1.8	-	-	-	2KJ8508-4LC	-3	P1	-Z	73
11 ... 55	380	27.2	2.1	-	-	-	2KJ8508-4LC	-3	N1	-Z	73
11.7 ... 59	355	25.6	2.2	-	-	-	2KJ8508-4LC	-3	M1	-Z	73
12.4 ... 62	335	24.17	2.3	-	-	-	2KJ8508-4LC	-3	L1	-Z	73
14.6 ... 73	285	20.57	2.6	-	-	-	2KJ8508-4LC	-3	K1	-Z	73
17 ... 85	245	17.62	2.9	-	-	-	2KJ8508-4LC	-3	J1	-Z	73
19.4 ... 97	215	15.49	3.2	-	-	-	2KJ8508-4LC	-3	H1	-Z	73
29 ... 143	147	10.51	3	-	-	-	2KJ8508-4LC	-3	E1	-Z	73
33 ... 166	126	9.01	3.6	-	-	-	2KJ8508-4LC	-3	D1	-Z	73
	K.69-LE100LA.										
5.7 ... 28	735	52.69	0.81	2KJ8507-2JB	-3	T1	-Z	63	-	-	-
6.6 ... 33	630	45.14	0.95	2KJ8507-2JB	-3	S1	-Z	63	-	-	-
7.6 ... 38	555	39.69	1.1	2KJ8507-2JB	-3	R1	-Z	63	-	-	-
9 ... 45	465	33.48	1.2	2KJ8507-2JB	-3	Q1	-Z	63	-	-	-
10.3 ... 51	405	29.18	1.4	2KJ8507-2JB	-3	P1	-Z	63	-	-	-
11.5 ... 58	365	26.05	1.6	2KJ8507-2JB	-3	N1	-Z	63	-	-	-
12.2 ... 61	340	24.52	1.7	2KJ8507-2JB	-3	M1	-Z	63	-	-	-
13 ... 65	320	23.15	1.8	2KJ8507-2JB	-3	L1	-Z	63	-	-	-
15.2 ... 76	275	19.7	2	2KJ8507-2JB	-3	K1	-Z	63	-	-	-
17.8 ... 89	235	16.88	2.2	2KJ8507-2JB	-3	J1	-Z	63	-	-	-
20 ... 101	205	14.84	2.5	2KJ8507-2JB	-3	H1	-Z	63	-	-	-
24 ... 120	175	12.52	2.8	2KJ8507-2JB	-3	G1	-Z	63	-	-	-
27 ... 137	153	10.91	3.1	2KJ8507-2JB	-3	F1	-Z	63	-	-	-
32 ... 161	131	9.34	2.8	2KJ8507-2JB	-3	E1	-Z	63	-	-	-
37 ... 187	112	8.01	3.3	2KJ8507-2JB	-3	D1	-Z	63	-	-	-
43 ... 213	99	7.04	3.7	2KJ8507-2JB	-3	C1	-Z	63	-	-	-
	K.69-LE112MA.										
5.7 ... 28	735	52.69	0.81	-	-	-	2KJ8507-4LC	-3	T1	-Z	67
6.6 ... 33	630	45.14	0.95	-	-	-	2KJ8507-4LC	-3	S1	-Z	67
7.6 ... 38	555	39.69	1.1	-	-	-	2KJ8507-4LC	-3	R1	-Z	67
9 ... 45	465	33.48	1.2	-	-	-	2KJ8507-4LC	-3	Q1	-Z	67
10.3 ... 51	405	29.18	1.4	-	-	-	2KJ8507-4LC	-3	P1	-Z	67
11.5 ... 58	365	26.05	1.6	-	-	-	2KJ8507-4LC	-3	N1	-Z	67
12.2 ... 61	340	24.52	1.7	-	-	-	2KJ8507-4LC	-3	M1	-Z	67
13 ... 65	320	23.15	1.8	-	-	-	2KJ8507-4LC	-3	L1	-Z	67
15.2 ... 76	275	19.7	2	-	-	-	2KJ8507-4LC	-3	K1	-Z	67
17.8 ... 89	235	16.88	2.2	-	-	-	2KJ8507-4LC	-3	J1	-Z	67
20 ... 101	205	14.84	2.5	-	-	-	2KJ8507-4LC	-3	H1	-Z	67
24 ... 120	175	12.52	2.8	-	-	-	2KJ8507-4LC	-3	G1	-Z	67
27 ... 137	153	10.91	3.1	-	-	-	2KJ8507-4LC	-3	F1	-Z	67
32 ... 161	131	9.34	2.8	-	-	-	2KJ8507-4LC	-3	E1	-Z	67
37 ... 187	112	8.01	3.3	-	-	-	2KJ8507-4LC	-3	D1	-Z	67
43 ... 213	99	7.04	3.7	-	-	-	2KJ8507-4LC	-3	C1	-Z	67
	K.49-LE100LA.										
9.2 ... 46	455	32.57	0.92	2KJ8505-2JB	-3	R1	-Z	57	-	-	-
10.7 ... 53	390	28.05	1.1	2KJ8505-2JB	-3	Q1	-Z	57	-	-	-
11.4 ... 57	365	26.3	1.1	2KJ8505-2JB	-3	P1	-Z	57	-	-	-
12.9 ... 64	325	23.28	1.3	2KJ8505-2JB	-3	N1	-Z	57	-	-	-
15.5 ... 77	270	19.38	1.5	2KJ8505-2JB	-3	M1	-Z	57	-	-	-
16.4 ... 82	255	18.24	1.6	2KJ8505-2JB	-3	L1	-Z	57	-	-	-
18.4 ... 92	225	16.34	1.8	2KJ8505-2JB	-3	K1	-Z	57	-	-	-
22 ... 108	195	13.91	2.2	2KJ8505-2JB	-3	J1	-Z	57	-	-	-
25 ... 126	167	11.93	2.5	2KJ8505-2JB	-3	H1	-Z	57	-	-	-
29 ... 146	144	10.27	2.9	2KJ8505-2JB	-3	G1	-Z	57	-	-	-
31 ... 154	137	9.75	2	2KJ8505-2JB	-3	F1	-Z	57	-	-	-
33 ... 163	129	9.18	2.1	2KJ8505-2JB	-3	E1	-Z	57	-	-	-
36 ... 182	115	8.22	2.2	2KJ8505-2JB	-3	D1	-Z	57	-	-	-

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	0 1, 2 or 3	
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G	
Special versions	see Chapter 4 „Additional Order options“	...	

Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B -	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4			
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg		
2.2										
K.49-LE100LA.										
	43 ... 214	98	7	2.4	2KJ8505-2JB	■ ■ -3 ■ C1 -Z	57	-		
	50 ... 250	84	6	2.7	2KJ8505-2JB	■ ■ -3 ■ B1 -Z	57	-		
	58 ... 290	72	5.17	2.9	2KJ8505-2JB	■ ■ -3 ■ A1 -Z	57	-		
K.49-LE112MA.										
	9.2 ... 46	455	32.57	0.92	-	-	-	2KJ8505-4LC	■ ■ -3 ■ R1 -Z	61
	10.7 ... 53	390	28.05	1.1	-	-	-	2KJ8505-4LC	■ ■ -3 ■ Q1 -Z	61
	11.4 ... 57	365	26.3	1.1	-	-	-	2KJ8505-4LC	■ ■ -3 ■ P1 -Z	61
	12.9 ... 64	325	23.28	1.3	-	-	-	2KJ8505-4LC	■ ■ -3 ■ N1 -Z	61
	15.5 ... 77	270	19.38	1.5	-	-	-	2KJ8505-4LC	■ ■ -3 ■ M1 -Z	61
	16.4 ... 82	255	18.24	1.6	-	-	-	2KJ8505-4LC	■ ■ -3 ■ L1 -Z	61
	18.4 ... 92	225	16.34	1.8	-	-	-	2KJ8505-4LC	■ ■ -3 ■ K1 -Z	61
	22 ... 108	195	13.91	2.2	-	-	-	2KJ8505-4LC	■ ■ -3 ■ J1 -Z	61
	25 ... 126	167	11.93	2.5	-	-	-	2KJ8505-4LC	■ ■ -3 ■ H1 -Z	61
	29 ... 146	144	10.27	2.9	-	-	-	2KJ8505-4LC	■ ■ -3 ■ G1 -Z	61
	31 ... 154	137	9.75	2	-	-	-	2KJ8505-4LC	■ ■ -3 ■ F1 -Z	61
	33 ... 163	129	9.18	2.1	-	-	-	2KJ8505-4LC	■ ■ -3 ■ E1 -Z	61
	36 ... 182	115	8.22	2.2	-	-	-	2KJ8505-4LC	■ ■ -3 ■ D1 -Z	61
	43 ... 214	98	7	2.4	-	-	-	2KJ8505-4LC	■ ■ -3 ■ C1 -Z	61
	50 ... 250	84	6	2.7	-	-	-	2KJ8505-4LC	■ ■ -3 ■ B1 -Z	61
	58 ... 290	72	5.17	2.9	-	-	-	2KJ8505-4LC	■ ■ -3 ■ A1 -Z	61
B.49-LE112MA.										
	8.1 ... 40	520	37.18	0.86	-	-	-	2KJ8503-4LC	■ ■ -3 ■ W1 -Z	58
	9 ... 45	465	33.33	0.96	-	-	-	2KJ8503-4LC	■ ■ -3 ■ V1 -Z	58
	10 ... 50	420	30.05	1.1	-	-	-	2KJ8503-4LC	■ ■ -3 ■ U1 -Z	58
	10.8 ... 54	385	27.74	1.2	-	-	-	2KJ8503-4LC	■ ■ -3 ■ T1 -Z	58
	11.8 ... 59	355	25.32	1.3	-	-	-	2KJ8503-4LC	■ ■ -3 ■ S1 -Z	58
	14.3 ... 71	290	21.01	1.5	-	-	-	2KJ8503-4LC	■ ■ -3 ■ R1 -Z	58
	15.2 ... 76	275	19.77	1.6	-	-	-	2KJ8503-4LC	■ ■ -3 ■ Q1 -Z	58
	16.1 ... 80	260	18.67	1.7	-	-	-	2KJ8503-4LC	■ ■ -3 ■ P1 -Z	58
	18.9 ... 94	220	15.89	2	-	-	-	2KJ8503-4LC	■ ■ -3 ■ N1 -Z	58
	22 ... 110	191	13.61	2.4	-	-	-	2KJ8503-4LC	■ ■ -3 ■ M1 -Z	58
	25 ... 125	168	11.97	2.7	-	-	-	2KJ8503-4LC	■ ■ -3 ■ L1 -Z	58
	30 ... 149	141	10.1	3.2	-	-	-	2KJ8503-4LC	■ ■ -3 ■ K1 -Z	58
	34 ... 170	123	8.8	3.7	-	-	-	2KJ8503-4LC	■ ■ -3 ■ J1 -Z	58
	36 ... 181	116	8.29	2.8	-	-	-	2KJ8503-4LC	■ ■ -3 ■ H1 -Z	58
	38 ... 192	109	7.8	3	-	-	-	2KJ8503-4LC	■ ■ -3 ■ G1 -Z	58
	41 ... 204	103	7.37	3.2	-	-	-	2KJ8503-4LC	■ ■ -3 ■ F1 -Z	58
	48 ... 239	88	6.27	3.8	-	-	-	2KJ8503-4LC	■ ■ -3 ■ E1 -Z	58
B.49-LE100LA.										
	8.1 ... 40	520	37.18	0.86	2KJ8503-2JB	■ ■ -3 ■ W1 -Z	54	-	-	
	9 ... 45	465	33.33	0.96	2KJ8503-2JB	■ ■ -3 ■ V1 -Z	54	-	-	
	10 ... 50	420	30.05	1.1	2KJ8503-2JB	■ ■ -3 ■ U1 -Z	54	-	-	
	10.8 ... 54	385	27.74	1.2	2KJ8503-2JB	■ ■ -3 ■ T1 -Z	54	-	-	
	11.8 ... 59	355	25.32	1.3	2KJ8503-2JB	■ ■ -3 ■ S1 -Z	54	-	-	
	14.3 ... 71	290	21.01	1.5	2KJ8503-2JB	■ ■ -3 ■ R1 -Z	54	-	-	
	15.2 ... 76	275	19.77	1.6	2KJ8503-2JB	■ ■ -3 ■ Q1 -Z	54	-	-	
	16.1 ... 80	260	18.67	1.7	2KJ8503-2JB	■ ■ -3 ■ P1 -Z	54	-	-	
	18.9 ... 94	220	15.89	2	2KJ8503-2JB	■ ■ -3 ■ N1 -Z	54	-	-	
	22 ... 110	191	13.61	2.4	2KJ8503-2JB	■ ■ -3 ■ M1 -Z	54	-	-	
	25 ... 125	168	11.97	2.7	2KJ8503-2JB	■ ■ -3 ■ L1 -Z	54	-	-	
	30 ... 149	141	10.1	3.2	2KJ8503-2JB	■ ■ -3 ■ K1 -Z	54	-	-	
	34 ... 170	123	8.8	3.7	2KJ8503-2JB	■ ■ -3 ■ J1 -Z	54	-	-	
	36 ... 181	116	8.29	2.8	2KJ8503-2JB	■ ■ -3 ■ H1 -Z	54	-	-	
	38 ... 192	109	7.8	3	2KJ8503-2JB	■ ■ -3 ■ G1 -Z	54	-	-	
	41 ... 204	103	7.37	3.2	2KJ8503-2JB	■ ■ -3 ■ F1 -Z	54	-	-	
	48 ... 239	88	6.27	3.8	2KJ8503-2JB	■ ■ -3 ■ E1 -Z	54	-	-	
K.39-LE100LA.										
	15.5 ... 77	270	19.37	0.81	2KJ8504-2JB	■ ■ -3 ■ M1 -Z	47	-	-	

Article No. supplements

Motor temperature sensor	without with Pt1000	0 1	Order code	|	|	|	|	Order code
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	0 1, 2 or 3						
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G						

Special versions see Chapter 4 „Additional Order options“

Bevel geared motors

Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm									
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4	
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	
2.2					(Article No. supplements see below)	kg	(Article No. supplements see below)	kg	
K.39-LE100LA.									
17.7 ... 88	235	16.98	0.93		2KJ8504-2JB ■ ■ -3 ■ L1 -Z	47	-	-	
19.5 ... 97	215	15.41	1		2KJ8504-2JB ■ ■ -3 ■ K1 -Z	47	-	-	
21 ... 103	200	14.5	1.1		2KJ8504-2JB ■ ■ -3 ■ J1 -Z	47	-	-	
23 ... 117	179	12.78	1.2		2KJ8504-2JB ■ ■ -3 ■ H1 -Z	47	-	-	
27 ... 135	155	11.09	1.4		2KJ8504-2JB ■ ■ -3 ■ G1 -Z	47	-	-	
30 ... 149	141	10.04	1.3		2KJ8504-2JB ■ ■ -3 ■ F1 -Z	47	-	-	
34 ... 170	123	8.81	1.5		2KJ8504-2JB ■ ■ -3 ■ E1 -Z	47	-	-	
38 ... 188	112	7.99	1.6		2KJ8504-2JB ■ ■ -3 ■ D1 -Z	47	-	-	
40 ... 199	105	7.52	1.6		2KJ8504-2JB ■ ■ -3 ■ C1 -Z	47	-	-	
45 ... 226	93	6.63	1.7		2KJ8504-2JB ■ ■ -3 ■ B1 -Z	47	-	-	
52 ... 261	80	5.75	1.9		2KJ8504-2JB ■ ■ -3 ■ A1 -Z	47	-	-	
K.39-LE112MA.									
15.5 ... 77	270	19.37	0.81		-	-	2KJ8504-4LC ■ ■ -3 ■ M1 -Z	54	
17.7 ... 88	235	16.98	0.93		-	-	2KJ8504-4LC ■ ■ -3 ■ L1 -Z	54	
19.5 ... 97	215	15.41	1		-	-	2KJ8504-4LC ■ ■ -3 ■ K1 -Z	54	
21 ... 103	200	14.5	1.1		-	-	2KJ8504-4LC ■ ■ -3 ■ J1 -Z	54	
23 ... 117	179	12.78	1.2		-	-	2KJ8504-4LC ■ ■ -3 ■ H1 -Z	54	
27 ... 135	155	11.09	1.4		-	-	2KJ8504-4LC ■ ■ -3 ■ G1 -Z	54	
30 ... 149	141	10.04	1.3		-	-	2KJ8504-4LC ■ ■ -3 ■ F1 -Z	54	
34 ... 170	123	8.81	1.5		-	-	2KJ8504-4LC ■ ■ -3 ■ E1 -Z	54	
38 ... 188	112	7.99	1.6		-	-	2KJ8504-4LC ■ ■ -3 ■ D1 -Z	54	
40 ... 199	105	7.52	1.6		-	-	2KJ8504-4LC ■ ■ -3 ■ C1 -Z	54	
45 ... 226	93	6.63	1.7		-	-	2KJ8504-4LC ■ ■ -3 ■ B1 -Z	54	
52 ... 261	80	5.75	1.9		-	-	2KJ8504-4LC ■ ■ -3 ■ A1 -Z	54	
B.39-LE112MA.									
13.7 ... 68	305	21.9	0.82		-	-	2KJ8502-4LC ■ ■ -3 ■ Q1 -Z	53	
14.8 ... 74	280	20.21	0.88		-	-	2KJ8502-4LC ■ ■ -3 ■ P1 -Z	53	
16.8 ... 84	250	17.9	1		-	-	2KJ8502-4LC ■ ■ -3 ■ N1 -Z	53	
20 ... 101	205	14.9	1.2		-	-	2KJ8502-4LC ■ ■ -3 ■ M1 -Z	53	
21 ... 107	196	14.02	1.3		-	-	2KJ8502-4LC ■ ■ -3 ■ L1 -Z	53	
24 ... 119	176	12.56	1.4		-	-	2KJ8502-4LC ■ ■ -3 ■ K1 -Z	53	
28 ... 140	150	10.69	1.6		-	-	2KJ8502-4LC ■ ■ -3 ■ J1 -Z	53	
33 ... 164	128	9.17	1.8		-	-	2KJ8502-4LC ■ ■ -3 ■ H1 -Z	53	
38 ... 190	111	7.89	2		-	-	2KJ8502-4LC ■ ■ -3 ■ G1 -Z	53	
45 ... 227	92	6.6	2.2		-	-	2KJ8502-4LC ■ ■ -3 ■ F1 -Z	53	
48 ... 242	87	6.21	2.3		-	-	2KJ8502-4LC ■ ■ -3 ■ E1 -Z	53	
54 ... 270	78	5.56	2.6		-	-	2KJ8502-4LC ■ ■ -3 ■ D1 -Z	53	
63 ... 316	66	4.74	3		-	-	2KJ8502-4LC ■ ■ -3 ■ C1 -Z	53	
74 ... 369	57	4.06	3.5		-	-	2KJ8502-4LC ■ ■ -3 ■ B1 -Z	53	
86 ... 429	49	3.5	3.9		-	-	2KJ8502-4LC ■ ■ -3 ■ A1 -Z	53	
B.39-LE100LA.									
13.7 ... 68	305	21.9	0.82		2KJ8502-2JB ■ ■ -3 ■ Q1 -Z	47	-	-	
14.8 ... 74	280	20.21	0.88		2KJ8502-2JB ■ ■ -3 ■ P1 -Z	47	-	-	
16.8 ... 84	250	17.9	1		2KJ8502-2JB ■ ■ -3 ■ N1 -Z	47	-	-	
20 ... 101	205	14.9	1.2		2KJ8502-2JB ■ ■ -3 ■ M1 -Z	47	-	-	
21 ... 107	196	14.02	1.3		2KJ8502-2JB ■ ■ -3 ■ L1 -Z	47	-	-	
24 ... 119	176	12.56	1.4		2KJ8502-2JB ■ ■ -3 ■ K1 -Z	47	-	-	
28 ... 140	150	10.69	1.6		2KJ8502-2JB ■ ■ -3 ■ J1 -Z	47	-	-	
33 ... 164	128	9.17	1.8		2KJ8502-2JB ■ ■ -3 ■ H1 -Z	47	-	-	
38 ... 190	111	7.89	2		2KJ8502-2JB ■ ■ -3 ■ G1 -Z	47	-	-	
45 ... 227	92	6.6	2.2		2KJ8502-2JB ■ ■ -3 ■ F1 -Z	47	-	-	
48 ... 242	87	6.21	2.3		2KJ8502-2JB ■ ■ -3 ■ E1 -Z	47	-	-	
54 ... 270	78	5.56	2.6		2KJ8502-2JB ■ ■ -3 ■ D1 -Z	47	-	-	
63 ... 316	66	4.74	3		2KJ8502-2JB ■ ■ -3 ■ C1 -Z	47	-	-	
74 ... 369	57	4.06	3.5		2KJ8502-2JB ■ ■ -3 ■ B1 -Z	47	-	-	
86 ... 429	49	3.5	3.9		2KJ8502-2JB ■ ■ -3 ■ A1 -Z	47	-	-	
B.29-LE100LA.									
32 ... 158	133	9.51	0.83		2KJ8501-2JB ■ ■ -3 ■ K1 -Z	42	-	-	
Article No. supplements						Order code		Order code	
Motor temperature sensor	without	0					0		
	with Pt1000	1					1		
Motor brake	without	0					0		
(brake voltage 180 V DC)	with see Seite 5/2	1, 2 or 3					1, 2 or 3		
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G					B, C, D, E, F or G		
Special versions	see Chapter 4 „Additional Order options“					...+...		...+...	

Bevel geared motors

Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm								
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
kW	rpm	Nm	-	-	Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
3	K.89-LE100LB.							
	10.5 ... 53	540	28.46	2.9	2KJ8510-2JG ■ ■ -3 ■ N1 -Z	90	-	-
	K.79-LE112MB.							
	6.1 ... 30	940	49.31	0.87	-	-	2KJ8508-4LH ■ ■ -3 ■ S1 -Z	73
	7.2 ... 36	795	41.6	1	-	-	2KJ8508-4LH ■ ■ -3 ■ R1 -Z	73
	8.3 ... 41	690	36.26	1.1	-	-	2KJ8508-4LH ■ ■ -3 ■ Q1 -Z	73
	9.2 ... 46	625	32.78	1.3	-	-	2KJ8508-4LH ■ ■ -3 ■ P1 -Z	73
	11 ... 55	520	27.2	1.5	-	-	2KJ8508-4LH ■ ■ -3 ■ J1 -Z	73
	11.7 ... 59	485	25.6	1.6	-	-	2KJ8508-4LH ■ ■ -3 ■ M1 -Z	73
	12.4 ... 62	460	24.17	1.7	-	-	2KJ8508-4LH ■ ■ -3 ■ L1 -Z	73
	14.6 ... 73	390	20.57	1.9	-	-	2KJ8508-4LH ■ ■ -3 ■ K1 -Z	73
	17 ... 85	335	17.62	2.1	-	-	2KJ8508-4LH ■ ■ -3 ■ J1 -Z	73
	19.4 ... 97	295	15.49	2.3	-	-	2KJ8508-4LH ■ ■ -3 ■ H1 -Z	73
	23 ... 115	250	13.07	2.7	-	-	2KJ8508-4LH ■ ■ -3 ■ G1 -Z	73
	26 ... 132	215	11.39	3	-	-	2KJ8508-4LH ■ ■ -3 ■ F1 -Z	73
	29 ... 143	200	10.51	2.2	-	-	2KJ8508-4LH ■ ■ -3 ■ E1 -Z	73
	33 ... 166	172	9.01	2.6	-	-	2KJ8508-4LH ■ ■ -3 ■ D1 -Z	73
	38 ... 189	151	7.92	3	-	-	2KJ8508-4LH ■ ■ -3 ■ C1 -Z	73
	45 ... 225	128	6.68	3.6	-	-	2KJ8508-4LH ■ ■ -3 ■ B1 -Z	73
	52 ... 258	111	5.82	3.9	-	-	2KJ8508-4LH ■ ■ -3 ■ A1 -Z	73
	K.79-LE100LB.							
	6.1 ... 30	940	49.31	0.87	2KJ8508-2JG ■ ■ -3 ■ S1 -Z	69	-	-
	7.2 ... 36	795	41.6	1	2KJ8508-2JG ■ ■ -3 ■ R1 -Z	69	-	-
8.3 ... 41	690	36.26	1.1	2KJ8508-2JG ■ ■ -3 ■ Q1 -Z	69	-	-	
9.2 ... 46	625	32.78	1.3	2KJ8508-2JG ■ ■ -3 ■ P1 -Z	69	-	-	
11 ... 55	520	27.2	1.5	2KJ8508-2JG ■ ■ -3 ■ N1 -Z	69	-	-	
11.7 ... 59	485	25.6	1.6	2KJ8508-2JG ■ ■ -3 ■ M1 -Z	69	-	-	
12.4 ... 62	460	24.17	1.7	2KJ8508-2JG ■ ■ -3 ■ L1 -Z	69	-	-	
14.6 ... 73	390	20.57	1.9	2KJ8508-2JG ■ ■ -3 ■ K1 -Z	69	-	-	
17 ... 85	335	17.62	2.1	2KJ8508-2JG ■ ■ -3 ■ J1 -Z	69	-	-	
19.4 ... 97	295	15.49	2.3	2KJ8508-2JG ■ ■ -3 ■ H1 -Z	69	-	-	
23 ... 115	250	13.07	2.7	2KJ8508-2JG ■ ■ -3 ■ G1 -Z	69	-	-	
26 ... 132	215	11.39	3	2KJ8508-2JG ■ ■ -3 ■ F1 -Z	69	-	-	
29 ... 143	200	10.51	2.2	2KJ8508-2JG ■ ■ -3 ■ E1 -Z	69	-	-	
33 ... 166	172	9.01	2.6	2KJ8508-2JG ■ ■ -3 ■ D1 -Z	69	-	-	
38 ... 189	151	7.92	3	2KJ8508-2JG ■ ■ -3 ■ C1 -Z	69	-	-	
45 ... 225	128	6.68	3.6	2KJ8508-2JG ■ ■ -3 ■ B1 -Z	69	-	-	
52 ... 258	111	5.82	3.9	2KJ8508-2JG ■ ■ -3 ■ A1 -Z	69	-	-	
K.69-LE100LB.								
9 ... 45	635	33.48	0.91	2KJ8507-2JG ■ ■ -3 ■ Q1 -Z	63	-	-	
10.3 ... 51	555	29.18	1	2KJ8507-2JG ■ ■ -3 ■ P1 -Z	63	-	-	
11.5 ... 58	495	26.05	1.2	2KJ8507-2JG ■ ■ -3 ■ N1 -Z	63	-	-	
12.2 ... 61	465	24.52	1.3	2KJ8507-2JG ■ ■ -3 ■ M1 -Z	63	-	-	
13 ... 65	440	23.15	1.3	2KJ8507-2JG ■ ■ -3 ■ L1 -Z	63	-	-	
15.2 ... 76	375	19.7	1.5	2KJ8507-2JG ■ ■ -3 ■ K1 -Z	63	-	-	
17.8 ... 89	320	16.88	1.6	2KJ8507-2JG ■ ■ -3 ■ J1 -Z	63	-	-	
20 ... 101	280	14.84	1.8	2KJ8507-2JG ■ ■ -3 ■ H1 -Z	63	-	-	
24 ... 120	235	12.52	2	2KJ8507-2JG ■ ■ -3 ■ G1 -Z	63	-	-	
27 ... 137	205	10.91	2.3	2KJ8507-2JG ■ ■ -3 ■ F1 -Z	63	-	-	
32 ... 161	178	9.34	2.1	2KJ8507-2JG ■ ■ -3 ■ E1 -Z	63	-	-	
37 ... 187	153	8.01	2.4	2KJ8507-2JG ■ ■ -3 ■ D1 -Z	63	-	-	
43 ... 213	134	7.04	2.7	2KJ8507-2JG ■ ■ -3 ■ C1 -Z	63	-	-	
51 ... 253	113	5.94	3	2KJ8507-2JG ■ ■ -3 ■ B1 -Z	63	-	-	
58 ... 290	99	5.18	3.3	2KJ8507-2JG ■ ■ -3 ■ A1 -Z	63	-	-	
K.69-LE112MB.								
9 ... 45	635	33.48	0.91	-	-	2KJ8507-4LH ■ ■ -3 ■ Q1 -Z	67	
10.3 ... 51	555	29.18	1	-	-	2KJ8507-4LH ■ ■ -3 ■ P1 -Z	67	
11.5 ... 58	495	26.05	1.2	-	-	2KJ8507-4LH ■ ■ -3 ■ N1 -Z	67	
12.2 ... 61	465	24.52	1.3	-	-	2KJ8507-4LH ■ ■ -3 ■ M1 -Z	67	

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	0 1	
Converter fieldbus communication	see Seite 5/2		
Special versions	see Chapter 4 „Additional Order options“		

Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
3								
K.69-LE112MB.								
13 ... 65	440	23.15	1.3	-	-	-	2KJ8507-4LH	67
15.2 ... 76	375	19.7	1.5	-	-	-	2KJ8507-4LH	67
17.8 ... 89	320	16.88	1.6	-	-	-	2KJ8507-4LH	67
20 ... 101	280	14.84	1.8	-	-	-	2KJ8507-4LH	67
24 ... 120	235	12.52	2	-	-	-	2KJ8507-4LH	67
27 ... 137	205	10.91	2.3	-	-	-	2KJ8507-4LH	67
32 ... 161	178	9.34	2.1	-	-	-	2KJ8507-4LH	67
37 ... 187	153	8.01	2.4	-	-	-	2KJ8507-4LH	67
43 ... 213	134	7.04	2.7	-	-	-	2KJ8507-4LH	67
51 ... 253	113	5.94	3	-	-	-	2KJ8507-4LH	67
58 ... 290	99	5.18	3.3	-	-	-	2KJ8507-4LH	67
K.49-LE100LB.								
11.4 ... 57	500	26.3	0.84	-	2KJ8505-2JG	57	-	-
12.9 ... 64	445	23.28	0.94	-	2KJ8505-2JG	57	-	-
15.5 ... 77	370	19.38	1.1	-	2KJ8505-2JG	57	-	-
16.4 ... 82	345	18.24	1.2	-	2KJ8505-2JG	57	-	-
18.4 ... 92	310	16.34	1.3	-	2KJ8505-2JG	57	-	-
22 ... 108	265	13.91	1.6	-	2KJ8505-2JG	57	-	-
25 ... 126	225	11.93	1.8	-	2KJ8505-2JG	57	-	-
29 ... 146	196	10.27	2.1	-	2KJ8505-2JG	57	-	-
31 ... 154	186	9.75	1.5	-	2KJ8505-2JG	57	-	-
33 ... 163	175	9.18	1.5	-	2KJ8505-2JG	57	-	-
36 ... 182	157	8.22	1.6	-	2KJ8505-2JG	57	-	-
43 ... 214	134	7	1.8	-	2KJ8505-2JG	57	-	-
50 ... 250	115	6	2	-	2KJ8505-2JG	57	-	-
58 ... 290	99	5.17	2.1	-	2KJ8505-2JG	57	-	-
K.49-LE112MB.								
11.4 ... 57	500	26.3	0.84	-	-	-	2KJ8505-4LH	61
12.9 ... 64	445	23.28	0.94	-	-	-	2KJ8505-4LH	61
15.5 ... 77	370	19.38	1.1	-	-	-	2KJ8505-4LH	61
16.4 ... 82	345	18.24	1.2	-	-	-	2KJ8505-4LH	61
18.4 ... 92	310	16.34	1.3	-	-	-	2KJ8505-4LH	61
22 ... 108	265	13.91	1.6	-	-	-	2KJ8505-4LH	61
25 ... 126	225	11.93	1.8	-	-	-	2KJ8505-4LH	61
29 ... 146	196	10.27	2.1	-	-	-	2KJ8505-4LH	61
31 ... 154	186	9.75	1.5	-	-	-	2KJ8505-4LH	61
33 ... 163	175	9.18	1.5	-	-	-	2KJ8505-4LH	61
36 ... 182	157	8.22	1.6	-	-	-	2KJ8505-4LH	61
43 ... 214	134	7	1.8	-	-	-	2KJ8505-4LH	61
50 ... 250	115	6	2	-	-	-	2KJ8505-4LH	61
58 ... 290	99	5.17	2.1	-	-	-	2KJ8505-4LH	61
B.49-LE100LB.								
10.8 ... 54	530	27.74	0.85	-	2KJ8503-2JG	54	-	-
11.8 ... 59	480	25.32	0.93	-	2KJ8503-2JG	54	-	-
14.3 ... 71	400	21.01	1.1	-	2KJ8503-2JG	54	-	-
15.2 ... 76	375	19.77	1.2	-	2KJ8503-2JG	54	-	-
16.1 ... 80	355	18.67	1.3	-	2KJ8503-2JG	54	-	-
18.9 ... 94	300	15.89	1.5	-	2KJ8503-2JG	54	-	-
22 ... 110	260	13.61	1.7	-	2KJ8503-2JG	54	-	-
25 ... 125	225	11.97	2	-	2KJ8503-2JG	54	-	-
30 ... 149	193	10.1	2.3	-	2KJ8503-2JG	54	-	-
34 ... 170	168	8.8	2.7	-	2KJ8503-2JG	54	-	-
36 ... 181	158	8.29	2.1	-	2KJ8503-2JG	54	-	-
38 ... 192	149	7.8	2.2	-	2KJ8503-2JG	54	-	-
41 ... 204	141	7.37	2.3	-	2KJ8503-2JG	54	-	-
48 ... 239	120	6.27	2.8	-	2KJ8503-2JG	54	-	-
56 ... 279	103	5.37	3.2	-	2KJ8503-2JG	54	-	-
64 ... 318	90	4.72	3.7	-	2KJ8503-2JG	54	-	-

Article No. supplements

Motor temperature sensor	without with Pt1000	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	0 1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...

Order code

Order code

Bevel geared motors

Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm											
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4			
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	Article No.	m	
3					(Article No. supplements see below)	kg	(Article No. supplements see below)	kg	(Article No. supplements see below)	kg	
B.49-LE112MB.											
10.8 ... 54	530	27.74	0.85	-	-	-	2KJ8503-4LH	-3	T1	-Z	58
11.8 ... 59	480	25.32	0.93	-	-	-	2KJ8503-4LH	-3	S1	-Z	58
14.3 ... 71	400	21.01	1.1	-	-	-	2KJ8503-4LH	-3	R1	-Z	58
15.2 ... 76	375	19.77	1.2	-	-	-	2KJ8503-4LH	-3	Q1	-Z	58
16.1 ... 80	355	18.67	1.3	-	-	-	2KJ8503-4LH	-3	P1	-Z	58
18.9 ... 94	300	15.89	1.5	-	-	-	2KJ8503-4LH	-3	N1	-Z	58
22 ... 110	260	13.61	1.7	-	-	-	2KJ8503-4LH	-3	M1	-Z	58
25 ... 125	225	11.97	2	-	-	-	2KJ8503-4LH	-3	L1	-Z	58
30 ... 149	193	10.1	2.3	-	-	-	2KJ8503-4LH	-3	K1	-Z	58
34 ... 170	168	8.8	2.7	-	-	-	2KJ8503-4LH	-3	J1	-Z	58
36 ... 181	158	8.29	2.1	-	-	-	2KJ8503-4LH	-3	H1	-Z	58
38 ... 192	149	7.8	2.2	-	-	-	2KJ8503-4LH	-3	G1	-Z	58
41 ... 204	141	7.37	2.3	-	-	-	2KJ8503-4LH	-3	F1	-Z	58
48 ... 239	120	6.27	2.8	-	-	-	2KJ8503-4LH	-3	E1	-Z	58
56 ... 279	103	5.37	3.2	-	-	-	2KJ8503-4LH	-3	D1	-Z	58
64 ... 318	90	4.72	3.7	-	-	-	2KJ8503-4LH	-3	C1	-Z	58
K.39-LE100LB.											
23 ... 117	240	12.78	0.9	-	2KJ8504-2JG	-3	H1	-Z	47	-	
27 ... 135	210	11.09	1	-	2KJ8504-2JG	-3	G1	-Z	47	-	
30 ... 149	192	10.04	0.96	-	2KJ8504-2JG	-3	F1	-Z	47	-	
34 ... 170	168	8.81	1.1	-	2KJ8504-2JG	-3	E1	-Z	47	-	
38 ... 188	153	7.99	1.1	-	2KJ8504-2JG	-3	D1	-Z	47	-	
40 ... 199	144	7.52	1.2	-	2KJ8504-2JG	-3	C1	-Z	47	-	
45 ... 226	127	6.63	1.3	-	2KJ8504-2JG	-3	B1	-Z	47	-	
52 ... 261	110	5.75	1.4	-	2KJ8504-2JG	-3	A1	-Z	47	-	
K.39-LE112MB.											
23 ... 117	240	12.78	0.9	-	-	-	2KJ8504-4LH	-3	H1	-Z	54
27 ... 135	210	11.09	1	-	-	-	2KJ8504-4LH	-3	G1	-Z	54
30 ... 149	192	10.04	0.96	-	-	-	2KJ8504-4LH	-3	F1	-Z	54
34 ... 170	168	8.81	1.1	-	-	-	2KJ8504-4LH	-3	E1	-Z	54
38 ... 188	153	7.99	1.1	-	-	-	2KJ8504-4LH	-3	D1	-Z	54
40 ... 199	144	7.52	1.2	-	-	-	2KJ8504-4LH	-3	C1	-Z	54
45 ... 226	127	6.63	1.3	-	-	-	2KJ8504-4LH	-3	B1	-Z	54
52 ... 261	110	5.75	1.4	-	-	-	2KJ8504-4LH	-3	A1	-Z	54
B.39-LE112MB.											
20 ... 101	285	14.9	0.88	-	-	-	2KJ8502-4LH	-3	M1	-Z	53
21 ... 107	265	14.02	0.93	-	-	-	2KJ8502-4LH	-3	L1	-Z	53
24 ... 119	240	12.56	1	-	-	-	2KJ8502-4LH	-3	K1	-Z	53
28 ... 140	200	10.69	1.2	-	-	-	2KJ8502-4LH	-3	J1	-Z	53
33 ... 164	175	9.17	1.3	-	-	-	2KJ8502-4LH	-3	H1	-Z	53
38 ... 190	151	7.89	1.5	-	-	-	2KJ8502-4LH	-3	G1	-Z	53
45 ... 227	126	6.6	1.6	-	-	-	2KJ8502-4LH	-3	F1	-Z	53
48 ... 242	119	6.21	1.7	-	-	-	2KJ8502-4LH	-3	E1	-Z	53
54 ... 270	106	5.56	1.9	-	-	-	2KJ8502-4LH	-3	D1	-Z	53
63 ... 316	90	4.74	2.2	-	-	-	2KJ8502-4LH	-3	C1	-Z	53
74 ... 369	78	4.06	2.6	-	-	-	2KJ8502-4LH	-3	B1	-Z	53
86 ... 429	67	3.5	2.9	-	-	-	2KJ8502-4LH	-3	A1	-Z	53
B.39-LE100LB.											
20 ... 101	285	14.9	0.88	-	2KJ8502-2JG	-3	M1	-Z	47	-	
21 ... 107	265	14.02	0.93	-	2KJ8502-2JG	-3	L1	-Z	47	-	
24 ... 119	240	12.56	1	-	2KJ8502-2JG	-3	K1	-Z	47	-	
28 ... 140	200	10.69	1.2	-	2KJ8502-2JG	-3	J1	-Z	47	-	
33 ... 164	175	9.17	1.3	-	2KJ8502-2JG	-3	H1	-Z	47	-	
38 ... 190	151	7.89	1.5	-	2KJ8502-2JG	-3	G1	-Z	47	-	
45 ... 227	126	6.6	1.6	-	2KJ8502-2JG	-3	F1	-Z	47	-	
48 ... 242	119	6.21	1.7	-	2KJ8502-2JG	-3	E1	-Z	47	-	
54 ... 270	106	5.56	1.9	-	2KJ8502-2JG	-3	D1	-Z	47	-	
63 ... 316	90	4.74	2.2	-	2KJ8502-2JG	-3	C1	-Z	47	-	

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	1, 2 or 3	1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...	...+...

Bevel geared motors

Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm										
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	Article No.	m
					(Article No. supplements see below)			(Article No. supplements see below)		
4	K.69-LE112MC.									
24 ... 120	315	12.52	1.5		2KJ8507-2LB	64	2KJ8507-4LN	72		
27 ... 137	275	10.91	1.7		2KJ8507-2LB	64	2KJ8507-4LN	72		
32 ... 161	235	9.34	1.6		2KJ8507-2LB	64	2KJ8507-4LN	72		
37 ... 187	200	8.01	1.8		2KJ8507-2LB	64	2KJ8507-4LN	72		
43 ... 213	179	7.04	2		2KJ8507-2LB	64	2KJ8507-4LN	72		
51 ... 253	151	5.94	2.3		2KJ8507-2LB	64	2KJ8507-4LN	72		
58 ... 290	132	5.18	2.5		2KJ8507-2LB	64	2KJ8507-4LN	72		
	K.49-LE112MC.									
15.5 ... 77	490	19.38	0.85		2KJ8505-2LB	58	2KJ8505-4LN	66		
16.4 ... 82	465	18.24	0.9		2KJ8505-2LB	58	2KJ8505-4LN	66		
18.4 ... 92	415	16.34	1		2KJ8505-2LB	58	2KJ8505-4LN	66		
22 ... 108	350	13.91	1.2		2KJ8505-2LB	58	2KJ8505-4LN	66		
25 ... 126	300	11.93	1.4		2KJ8505-2LB	58	2KJ8505-4LN	66		
29 ... 146	260	10.27	1.6		2KJ8505-2LB	58	2KJ8505-4LN	66		
31 ... 154	245	9.75	1.1		2KJ8505-2LB	58	2KJ8505-4LN	66		
33 ... 163	230	9.18	1.2		2KJ8505-2LB	58	2KJ8505-4LN	66		
36 ... 182	205	8.22	1.2		2KJ8505-2LB	58	2KJ8505-4LN	66		
43 ... 214	178	7	1.3		2KJ8505-2LB	58	2KJ8505-4LN	66		
50 ... 250	153	6	1.5		2KJ8505-2LB	58	2KJ8505-4LN	66		
58 ... 290	132	5.17	1.6		2KJ8505-2LB	58	2KJ8505-4LN	66		
	B.49-LE112MC.									
14.3 ... 71	535	21.01	0.84		2KJ8503-2LB	55	2KJ8503-4LN	63		
15.2 ... 76	500	19.77	0.89		2KJ8503-2LB	55	2KJ8503-4LN	63		
16.1 ... 80	475	18.67	0.95		2KJ8503-2LB	55	2KJ8503-4LN	63		
18.9 ... 94	405	15.89	1.1		2KJ8503-2LB	55	2KJ8503-4LN	63		
22 ... 110	345	13.61	1.3		2KJ8503-2LB	55	2KJ8503-4LN	63		
25 ... 125	305	11.97	1.5		2KJ8503-2LB	55	2KJ8503-4LN	63		
30 ... 149	255	10.1	1.7		2KJ8503-2LB	55	2KJ8503-4LN	63		
34 ... 170	220	8.8	2		2KJ8503-2LB	55	2KJ8503-4LN	63		
36 ... 181	210	8.29	1.6		2KJ8503-2LB	55	2KJ8503-4LN	63		
38 ... 192	199	7.8	1.7		2KJ8503-2LB	55	2KJ8503-4LN	63		
41 ... 204	188	7.37	1.8		2KJ8503-2LB	55	2KJ8503-4LN	63		
48 ... 239	160	6.27	2.1		2KJ8503-2LB	55	2KJ8503-4LN	63		
56 ... 279	137	5.37	2.4		2KJ8503-2LB	55	2KJ8503-4LN	63		
64 ... 318	120	4.72	2.7		2KJ8503-2LB	55	2KJ8503-4LN	63		
75 ... 377	101	3.98	3.3		2KJ8503-2LB	55	2KJ8503-4LN	63		
86 ... 432	88	3.47	3.7		2KJ8503-2LB	55	2KJ8503-4LN	63		
	K.39-LE112MC.									
34 ... 170	220	8.81	0.82		2KJ8504-2LB	51	2KJ8504-4LN	59		
38 ... 188	200	7.99	0.86		2KJ8504-2LB	51	2KJ8504-4LN	59		
40 ... 199	192	7.52	0.89		2KJ8504-2LB	51	2KJ8504-4LN	59		
45 ... 226	169	6.63	0.95		2KJ8504-2LB	51	2KJ8504-4LN	59		
52 ... 261	146	5.75	1		2KJ8504-2LB	51	2KJ8504-4LN	59		
	B.39-LE112MC.									
28 ... 140	270	10.69	0.88		2KJ8502-2LB	50	2KJ8502-4LN	58		
33 ... 164	230	9.17	0.98		2KJ8502-2LB	50	2KJ8502-4LN	58		
38 ... 190	200	7.89	1.1		2KJ8502-2LB	50	2KJ8502-4LN	58		
45 ... 227	168	6.6	1.2		2KJ8502-2LB	50	2KJ8502-4LN	58		
48 ... 242	158	6.21	1.3		2KJ8502-2LB	50	2KJ8502-4LN	58		
54 ... 270	142	5.56	1.4		2KJ8502-2LB	50	2KJ8502-4LN	58		
63 ... 316	121	4.74	1.7		2KJ8502-2LB	50	2KJ8502-4LN	58		
74 ... 369	103	4.06	1.9		2KJ8502-2LB	50	2KJ8502-4LN	58		

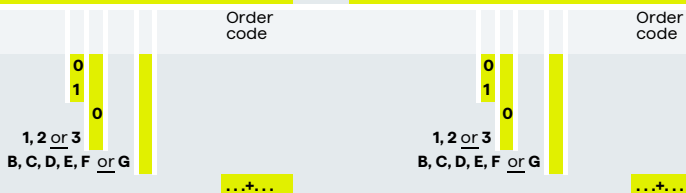
Article No. supplements		Order code	
Motor temperature sensor	without	0	0
	with PT1000	1	1
Motor brake	without	0	0
(brake voltage 180 V DC)	with see Seite 5/2	1, 2 or 3	1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...	...

Innomatics SG G115D · Control range 1:10 / Motor Drehzahlbereich 300 ... 3000 rpm

P _N	n ₂	T ₂	i	f _B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
0.55	K.79-LE71MB.							
	1.2 ... 12.3	425	244.25	1.9	2KJ8508-2CG	42	-	-
	1.4 ... 13.5	385	222.05	2.1	2KJ8508-2CG	42	-	-
	1.6 ... 15.9	330	188.85	2.5	2KJ8508-2CG	42	-	-
	1.7 ... 17.5	300	171.69	2.7	2KJ8508-2CG	42	-	-
	2 ... 19.6	265	153.18	3.1	2KJ8508-2CG	42	-	-
	K.69-LE71MB.							
	1.5 ... 15.3	340	196.59	1.7	2KJ8507-2CG	37	-	-
	1.7 ... 16.8	310	178.72	1.9	2KJ8507-2CG	37	-	-
	2 ... 19.7	265	152	2.3	2KJ8507-2CG	37	-	-
	2.2 ... 22	240	138.18	2.5	2KJ8507-2CG	37	-	-
	2.4 ... 24	215	123.29	2.8	2KJ8507-2CG	37	-	-
	2.7 ... 27	194	110.55	3.1	2KJ8507-2CG	37	-	-
	K.49-LE71MB.							
	1.5 ... 15	350	200.25	1.2	2KJ8505-2CG	30	-	-
	1.7 ... 16.8	310	178.06	1.3	2KJ8505-2CG	30	-	-
	1.9 ... 19.2	270	156.34	1.5	2KJ8505-2CG	30	-	-
	2.1 ... 21	245	142.13	1.7	2KJ8505-2CG	30	-	-
	2.5 ... 25	210	121.6	2	2KJ8505-2CG	30	-	-
	2.7 ... 27	194	110.55	2.2	2KJ8505-2CG	30	-	-
	3.1 ... 31	171	97.71	2.5	2KJ8505-2CG	30	-	-
	3.4 ... 34	156	88.83	2.7	2KJ8505-2CG	30	-	-
	3.9 ... 39	136	77.81	3.1	2KJ8505-2CG	30	-	-
	K.39-LE71MB.							
	1.9 ... 19.1	275	157.32	0.8	2KJ8504-2CG	22	-	-
	2.1 ... 21	240	139.54	0.9	2KJ8504-2CG	22	-	-
	2.5 ... 25	210	121.07	1	2KJ8504-2CG	22	-	-
	2.7 ... 27	193	110.06	1.1	2KJ8504-2CG	22	-	-
	3.2 ... 32	165	94.39	1.3	2KJ8504-2CG	22	-	-
	3.5 ... 35	150	85.81	1.5	2KJ8504-2CG	22	-	-
	4 ... 40	132	75.24	1.7	2KJ8504-2CG	22	-	-
	4.5 ... 45	118	67.16	1.9	2KJ8504-2CG	22	-	-
	5 ... 50	105	59.85	2.1	2KJ8504-2CG	22	-	-
	5.4 ... 54	97	55.25	2.3	2KJ8504-2CG	22	-	-
	6.2 ... 62	85	48.37	2.6	2KJ8504-2CG	22	-	-
	7.1 ... 71	74	42.41	3	2KJ8504-2CG	22	-	-
	7.8 ... 78	67	38.48	3.3	2KJ8504-2CG	22	-	-
	B.39-LE71MB.							
	5.3 ... 53	99	56.36	2.5	2KJ8502-2CG	22	-	-
	6 ... 60	88	50.11	2.4	2KJ8502-2CG	22	-	-
	6.8 ... 68	77	44	3.2	2KJ8502-2CG	22	-	-
	7.5 ... 75	70	40	3.3	2KJ8502-2CG	22	-	-
	B.29-LE71MB.							
	6.4 ... 64	82	46.85	1.3	2KJ8501-2CG	17	-	-
	7.2 ... 72	73	41.56	1.5	2KJ8501-2CG	17	-	-
	8.3 ... 83	63	36.06	1.7	2KJ8501-2CG	17	-	-
	9.2 ... 92	57	32.78	1.9	2KJ8501-2CG	17	-	-
	10.7 ... 107	49	28.11	2.2	2KJ8501-2CG	17	-	-
	11.7 ... 117	45	25.56	2.5	2KJ8501-2CG	17	-	-
	13.4 ... 134	39	22.41	2.8	2KJ8501-2CG	17	-	-
	15 ... 150	35	20	3.1	2KJ8501-2CG	17	-	-
	16.8 ... 168	31	17.82	3.5	2KJ8501-2CG	17	-	-
	B.19-LE71MB.							
	9.3 ... 93	57	32.39	0.88	2KJ8500-2CG	15	-	-
	10.2 ... 102	52	29.44	0.97	2KJ8500-2CG	15	-	-
	12 ... 120	44	25.06	1.1	2KJ8500-2CG	15	-	-
	13.2 ... 132	40	22.78	1.3	2KJ8500-2CG	15	-	-
	15.1 ... 151	35	19.86	1.4	2KJ8500-2CG	15	-	-
	16.9 ... 169	31	17.78	1.6	2KJ8500-2CG	15	-	-

Article No. supplements

Motor temperature sensor	without with Pt1000	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	0 1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...



Bevel geared motors

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor Drehzahlbereich 300 ... 3000 rpm										
P _N	n ₂	T ₂	i	f _B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
					Article No.	m		Article No.	m	
kW	rpm	Nm	-	-	(Article No. supplements see below)	kg		(Article No. supplements see below)	kg	
0.55	B.19-LE71MB.									
	19 ... 190	28	15.79	1.8	2KJ8500-2CG	15	-	-	-	
	21 ... 206	26	14.57	2	2KJ8500-2CG	15	-	-	-	
	24 ... 237	22	12.66	2.3	2KJ8500-2CG	15	-	-	-	
	27 ... 273	19	11	2.6	2KJ8500-2CG	15	-	-	-	
	30 ... 302	17	9.93	2.9	2KJ8500-2CG	15	-	-	-	
	32 ... 321	16	9.35	3.1	2KJ8500-2CG	15	-	-	-	
	37 ... 368	14	8.15	3.3	2KJ8500-2CG	15	-	-	-	
	38 ... 381	14	7.87	2.8	2KJ8500-2CG	15	-	-	-	
	43 ... 429	12	6.99	3.1	2KJ8500-2CG	15	-	-	-	
	47 ... 465	11	6.45	3.5	2KJ8500-2CG	15	-	-	-	
	53 ... 535	10	5.61	3.8	2KJ8500-2CG	15	-	-	-	
	62 ... 616	9	4.87	4.1	2KJ8500-2CG	15	-	-	-	
	68 ... 682	8	4.4	4.4	2KJ8500-2CG	15	-	-	-	
0.75	K.89-LE80MA.									
	1.3 ... 12.9	550	231.8	2.9	2KJ8510-2EB	67	2KJ8510-4EC	67	67	
	K.79-LE80MA.									
	1.2 ... 12.3	580	244.25	1.4	2KJ8508-2EB	46	2KJ8508-4EC	46	46	
	1.4 ... 13.5	530	222.05	1.5	2KJ8508-2EB	46	2KJ8508-4EC	46	46	
	1.6 ... 15.9	450	188.85	1.8	2KJ8508-2EB	46	2KJ8508-4EC	46	46	
	1.7 ... 17.5	410	171.69	2	2KJ8508-2EB	46	2KJ8508-4EC	46	46	
	2 ... 19.6	365	153.18	2.2	2KJ8508-2EB	46	2KJ8508-4EC	46	46	
	2.2 ... 22	325	137.35	2.5	2KJ8508-2EB	46	2KJ8508-4EC	46	46	
	2.4 ... 24	295	123.8	2.8	2KJ8508-2EB	46	2KJ8508-4EC	46	46	
	2.6 ... 26	270	114.28	3	2KJ8508-2EB	46	2KJ8508-4EC	46	46	
	K.69-LE80MA.									
	1.5 ... 15.3	465	196.59	1.3	2KJ8507-2EB	41	2KJ8507-4EC	41	41	
	1.7 ... 16.8	425	178.72	1.4	2KJ8507-2EB	41	2KJ8507-4EC	41	41	
	2 ... 19.7	360	152	1.7	2KJ8507-2EB	41	2KJ8507-4EC	41	41	
	2.2 ... 22	330	138.18	1.8	2KJ8507-2EB	41	2KJ8507-4EC	41	41	
	2.4 ... 24	290	123.29	2	2KJ8507-2EB	41	2KJ8507-4EC	41	41	
	2.7 ... 27	260	110.55	2.3	2KJ8507-2EB	41	2KJ8507-4EC	41	41	
	3 ... 30	235	99.64	2.5	2KJ8507-2EB	41	2KJ8507-4EC	41	41	
	3.3 ... 33	220	91.98	2.7	2KJ8507-2EB	41	2KJ8507-4EC	41	41	
	3.6 ... 36	200	83.96	3	2KJ8507-2EB	41	2KJ8507-4EC	41	41	
	K.49-LE80MA.									
	1.7 ... 16.8	425	178.06	0.99	2KJ8505-2EB	34	2KJ8505-4EC	34	34	
	1.9 ... 19.2	370	156.34	1.1	2KJ8505-2EB	34	2KJ8505-4EC	34	34	
	2.1 ... 21	335	142.13	1.2	2KJ8505-2EB	34	2KJ8505-4EC	34	34	
	2.5 ... 25	290	121.6	1.4	2KJ8505-2EB	34	2KJ8505-4EC	34	34	
	2.7 ... 27	260	110.55	1.6	2KJ8505-2EB	34	2KJ8505-4EC	34	34	
	3.1 ... 31	230	97.71	1.8	2KJ8505-2EB	34	2KJ8505-4EC	34	34	
	3.4 ... 34	210	88.83	2	2KJ8505-2EB	34	2KJ8505-4EC	34	34	
	3.9 ... 39	186	77.81	2.3	2KJ8505-2EB	34	2KJ8505-4EC	34	34	
	4.2 ... 42	171	71.82	2.4	2KJ8505-2EB	34	2KJ8505-4EC	34	34	
	4.7 ... 47	152	63.59	2.8	2KJ8505-2EB	34	2KJ8505-4EC	34	34	
	5.7 ... 57	126	52.93	3.3	2KJ8505-2EB	34	2KJ8505-4EC	34	34	
	B.49-LE80MA.									
	5.1 ... 51	142	59.28	3.2	2KJ8503-2EB	32	2KJ8503-4EC	32	32	
	K.39-LE80MA.									
	2.7 ... 27	260	110.06	0.84	2KJ8504-2EB	27	2KJ8504-4EC	27	27	
	3.2 ... 32	225	94.39	0.98	2KJ8504-2EB	27	2KJ8504-4EC	27	27	
	3.5 ... 35	205	85.81	1.1	2KJ8504-2EB	27	2KJ8504-4EC	27	27	
	4 ... 40	180	75.24	1.2	2KJ8504-2EB	27	2KJ8504-4EC	27	27	
	4.5 ... 45	160	67.16	1.4	2KJ8504-2EB	27	2KJ8504-4EC	27	27	
	5 ... 50	143	59.85	1.5	2KJ8504-2EB	27	2KJ8504-4EC	27	27	
	5.4 ... 54	132	55.25	1.7	2KJ8504-2EB	27	2KJ8504-4EC	27	27	
	6.2 ... 62	115	48.37	1.9	2KJ8504-2EB	27	2KJ8504-4EC	27	27	
	7.1 ... 71	101	42.41	2.2	2KJ8504-2EB	27	2KJ8504-4EC	27	27	

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	0 1, 2 or 3	
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G	
Special versions	see Chapter 4 „Additional Order options“	...+...	

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor Drehzahlbereich 300 ... 3000 rpm

P _N	n ₂	T ₂	i	f _B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
kW	rpm	Nm	-	-				
0.75	K.39-LE80MA.							
	7.8 ... 78	92	38.48	2.4	2KJ8504-2EB	27	2KJ8504-4EC	27
	8.3 ... 83	86	36.21	2.5	2KJ8504-2EB	27	2KJ8504-4EC	27
	9.4 ... 94	76	31.92	2.9	2KJ8504-2EB	27	2KJ8504-4EC	27
	10.8 ... 108	66	27.7	3.3	2KJ8504-2EB	27	2KJ8504-4EC	27
	11.2 ... 112	64	26.89	3.4	2KJ8504-2EB	27	2KJ8504-4EC	27
	B.39-LE80MA.							
	6 ... 60	120	50.11	1.8	2KJ8502-2EB	26	2KJ8502-4EC	26
	6.8 ... 68	105	44	2.4	2KJ8502-2EB	26	2KJ8502-4EC	26
	7.5 ... 75	96	40	2.4	2KJ8502-2EB	26	2KJ8502-4EC	26
	8.8 ... 88	82	34.22	3.1	2KJ8502-2EB	26	2KJ8502-4EC	26
	9.6 ... 96	74	31.11	3.4	2KJ8502-2EB	26	2KJ8502-4EC	26
	B.29-LE80MA.							
	7.2 ... 72	99	41.56	1.1	2KJ8501-2EB	21	2KJ8501-4EC	21
	8.3 ... 83	86	36.06	1.3	2KJ8501-2EB	21	2KJ8501-4EC	21
	9.2 ... 92	78	32.78	1.4	2KJ8501-2EB	21	2KJ8501-4EC	21
	10.7 ... 107	67	28.11	1.6	2KJ8501-2EB	21	2KJ8501-4EC	21
	11.7 ... 117	61	25.56	1.8	2KJ8501-2EB	21	2KJ8501-4EC	21
	13.4 ... 134	54	22.41	2.1	2KJ8501-2EB	21	2KJ8501-4EC	21
	15 ... 150	48	20	2.3	2KJ8501-2EB	21	2KJ8501-4EC	21
	16.8 ... 168	42	17.82	2.6	2KJ8501-2EB	21	2KJ8501-4EC	21
	18.2 ... 182	39	16.45	2.8	2KJ8501-2EB	21	2KJ8501-4EC	21
	21 ... 208	34	14.4	3.2	2KJ8501-2EB	21	2KJ8501-4EC	21
	24 ... 238	30	12.63	3.6	2KJ8501-2EB	21	2KJ8501-4EC	21
	38 ... 383	19	7.84	4	2KJ8501-2EB	21	2KJ8501-4EC	21
	B.19-LE80MA.							
	12 ... 120	60	25.06	0.84	2KJ8500-2EB	19	2KJ8500-4EC	19
	13.2 ... 132	54	22.78	0.92	2KJ8500-2EB	19	2KJ8500-4EC	19
	15.1 ... 151	47	19.86	1.1	2KJ8500-2EB	19	2KJ8500-4EC	19
	16.9 ... 169	42	17.78	1.2	2KJ8500-2EB	19	2KJ8500-4EC	19
	19 ... 190	38	15.79	1.3	2KJ8500-2EB	19	2KJ8500-4EC	19
	21 ... 206	35	14.57	1.4	2KJ8500-2EB	19	2KJ8500-4EC	19
	24 ... 237	30	12.66	1.7	2KJ8500-2EB	19	2KJ8500-4EC	19
	27 ... 273	26	11	1.9	2KJ8500-2EB	19	2KJ8500-4EC	19
	30 ... 302	24	9.93	2.1	2KJ8500-2EB	19	2KJ8500-4EC	19
	32 ... 321	22	9.35	2.2	2KJ8500-2EB	19	2KJ8500-4EC	19
	37 ... 368	20	8.15	2.4	2KJ8500-2EB	19	2KJ8500-4EC	19
	38 ... 381	19	7.87	2	2KJ8500-2EB	19	2KJ8500-4EC	19
	43 ... 429	17	6.99	2.3	2KJ8500-2EB	19	2KJ8500-4EC	19
	47 ... 465	15	6.45	2.5	2KJ8500-2EB	19	2KJ8500-4EC	19
	53 ... 535	13	5.61	2.8	2KJ8500-2EB	19	2KJ8500-4EC	19
	62 ... 616	12	4.87	3	2KJ8500-2EB	19	2KJ8500-4EC	19
	68 ... 682	10	4.4	3.2	2KJ8500-2EB	19	2KJ8500-4EC	19
	72 ... 725	10	4.14	3.3	2KJ8500-2EB	19	2KJ8500-4EC	19
	83 ... 831	9	3.61	3.6	2KJ8500-2EB	19	2KJ8500-4EC	19
1.1	K.89-LE80MB.							
	1.3 ... 12.9	810	231.8	2	2KJ8510-2EG	66	2KJ8510-4EH	69
	1.4 ... 14.2	735	210.72	2.2	2KJ8510-2EG	66	2KJ8510-4EH	69
	1.6 ... 15.9	660	189.01	2.4	2KJ8510-2EG	66	2KJ8510-4EH	69
	1.8 ... 17.7	595	169.94	2.7	2KJ8510-2EG	66	2KJ8510-4EH	69
	2 ... 19.5	535	153.7	3	2KJ8510-2EG	66	2KJ8510-4EH	69
	K.79-LE80MB.							
	1.2 ... 12.3	855	244.25	0.96	2KJ8508-2EG	45	2KJ8508-4EH	48
	1.4 ... 13.5	775	222.05	1.1	2KJ8508-2EG	45	2KJ8508-4EH	48
	1.6 ... 15.9	660	188.85	1.2	2KJ8508-2EG	45	2KJ8508-4EH	48
	1.7 ... 17.5	600	171.69	1.4	2KJ8508-2EG	45	2KJ8508-4EH	48
	2 ... 19.6	535	153.18	1.5	2KJ8508-2EG	45	2KJ8508-4EH	48
	2.2 ... 22	480	137.35	1.7	2KJ8508-2EG	45	2KJ8508-4EH	48
	2.4 ... 24	430	123.8	1.9	2KJ8508-2EG	45	2KJ8508-4EH	48

Article No. supplements		Order code		Order code
Motor temperature sensor	without	0		0
	with Pt1000	1		1
Motor brake (brake voltage 180 V DC)	without	0		0
	with see Seite 5/2	1, 2 or 3		1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G		B, C, D, E, F or G
Special versions see Chapter 4 „Additional Order options“		...+...		...+...

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor Drehzahlbereich 300 ... 3000 rpm

P _N	n ₂	T ₂	i	f _B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
					Article No.	m		Article No.	m	
kW	rpm	Nm	-	-	(Article No. supplements see below)	kg		(Article No. supplements see below)	kg	
1.1	B.39-LE80MB.									
	9.6 ... 96	109	31.11	2.3	2KJ8502-2EG	25		2KJ8502-4EH	28	
	10.9 ... 109	96	27.5	2.6	2KJ8502-2EG	25	S1	2KJ8502-4EH	28	S1
	12 ... 120	88	25	2.9	2KJ8502-2EG	25	R1	2KJ8502-4EH	28	R1
	13.7 ... 137	77	21.9	3.3	2KJ8502-2EG	25	Q1	2KJ8502-4EH	28	Q1
	14.8 ... 148	71	20.21	3.5	2KJ8502-2EG	25	P1	2KJ8502-4EH	28	P1
	B.29-LE80MB.									
	8.3 ... 83	126	36.06	0.87	2KJ8501-2EG	20	X1	2KJ8501-4EH	23	X1
	9.2 ... 92	115	32.78	0.96	2KJ8501-2EG	20	W1	2KJ8501-4EH	23	W1
	10.7 ... 107	98	28.11	1.1	2KJ8501-2EG	20	V1	2KJ8501-4EH	23	V1
	11.7 ... 117	90	25.56	1.2	2KJ8501-2EG	20	U1	2KJ8501-4EH	23	U1
	13.4 ... 134	78	22.41	1.4	2KJ8501-2EG	20	T1	2KJ8501-4EH	23	T1
	15 ... 150	70	20	1.6	2KJ8501-2EG	20	S1	2KJ8501-4EH	23	S1
	16.8 ... 168	62	17.82	1.8	2KJ8501-2EG	20	R1	2KJ8501-4EH	23	R1
	18.2 ... 182	58	16.45	1.9	2KJ8501-2EG	20	Q1	2KJ8501-4EH	23	Q1
	21 ... 208	50	14.4	2.2	2KJ8501-2EG	20	P1	2KJ8501-4EH	23	P1
	24 ... 238	44	12.63	2.5	2KJ8501-2EG	20	N1	2KJ8501-4EH	23	N1
	26 ... 262	40	11.46	2.7	2KJ8501-2EG	20	M1	2KJ8501-4EH	23	M1
	28 ... 278	38	10.78	2.9	2KJ8501-2EG	20	L1	2KJ8501-4EH	23	L1
	32 ... 315	33	9.51	3.3	2KJ8501-2EG	20	K1	2KJ8501-4EH	23	K1
	36 ... 364	29	8.25	3.8	2KJ8501-2EG	20	J1	2KJ8501-4EH	23	J1
	38 ... 383	28	7.84	2.7	2KJ8501-2EG	20	H1	2KJ8501-4EH	23	H1
	41 ... 407	26	7.38	2.9	2KJ8501-2EG	20	G1	2KJ8501-4EH	23	G1
	46 ... 461	23	6.51	3.3	2KJ8501-2EG	20	F1	2KJ8501-4EH	23	F1
	53 ... 531	20	5.65	3.8	2KJ8501-2EG	20	E1	2KJ8501-4EH	23	E1
	59 ... 592	18	5.07	4.2	2KJ8501-2EG	20	D1	2KJ8501-4EH	23	D1
	B.19-LE80MB.									
	16.9 ... 169	62	17.78	0.8	2KJ8500-2EG	18	R1	2KJ8500-4EH	21	R1
19 ... 190	55	15.79	0.9	2KJ8500-2EG	18	Q1	2KJ8500-4EH	21	Q1	
21 ... 206	51	14.57	0.98	2KJ8500-2EG	18	P1	2KJ8500-4EH	21	P1	
24 ... 237	44	12.66	1.1	2KJ8500-2EG	18	N1	2KJ8500-4EH	21	N1	
27 ... 273	38	11	1.3	2KJ8500-2EG	18	M1	2KJ8500-4EH	21	M1	
30 ... 302	35	9.93	1.4	2KJ8500-2EG	18	L1	2KJ8500-4EH	21	L1	
32 ... 321	33	9.35	1.5	2KJ8500-2EG	18	K1	2KJ8500-4EH	21	K1	
37 ... 368	28	8.15	1.6	2KJ8500-2EG	18	J1	2KJ8500-4EH	21	J1	
38 ... 381	28	7.87	1.4	2KJ8500-2EG	18	H1	2KJ8500-4EH	21	H1	
43 ... 429	24	6.99	1.6	2KJ8500-2EG	18	G1	2KJ8500-4EH	21	G1	
47 ... 465	23	6.45	1.7	2KJ8500-2EG	18	F1	2KJ8500-4EH	21	F1	
53 ... 535	20	5.61	1.9	2KJ8500-2EG	18	E1	2KJ8500-4EH	21	E1	
62 ... 616	17	4.87	2.1	2KJ8500-2EG	18	D1	2KJ8500-4EH	21	D1	
68 ... 682	15	4.4	2.2	2KJ8500-2EG	18	C1	2KJ8500-4EH	21	C1	
72 ... 725	14	4.14	2.3	2KJ8500-2EG	18	B1	2KJ8500-4EH	21	B1	
83 ... 831	13	3.61	2.5	2KJ8500-2EG	18	A1	2KJ8500-4EH	21	A1	
1.5	K.109-LE90S.									
	1.4 ... 13.8	1030	216.65	2.8	2KJ8511-2GB	105	H2	2KJ8511-4GC	109	H2
	K.89-LE90S.									
	1.3 ... 12.9	1100	231.8	1.4	2KJ8510-2GB	68	K2	2KJ8510-4GC	72	K2
	1.4 ... 14.2	1000	210.72	1.6	2KJ8510-2GB	68	J2	2KJ8510-4GC	72	J2
	1.6 ... 15.9	900	189.01	1.8	2KJ8510-2GB	68	H2	2KJ8510-4GC	72	H2
	1.8 ... 17.7	810	169.94	2	2KJ8510-2GB	68	G2	2KJ8510-4GC	72	G2
	2 ... 19.5	730	153.7	2.2	2KJ8510-2GB	68	F2	2KJ8510-4GC	72	F2
	2.1 ... 21	675	141.88	2.4	2KJ8510-2GB	68	E2	2KJ8510-4GC	72	E2
	2.3 ... 23	620	129.96	2.6	2KJ8510-2GB	68	D2	2KJ8510-4GC	72	D2
	2.8 ... 28	520	109.04	3.1	2KJ8510-2GB	68	C2	2KJ8510-4GC	72	C2
	K.79-LE90S.									
	1.6 ... 15.9	900	188.85	0.91	2KJ8508-2GB	46	G2	2KJ8508-4GC	50	G2
	1.7 ... 17.5	820	171.69	1	2KJ8508-2GB	46	F2	2KJ8508-4GC	50	F2
	2 ... 19.6	730	153.18	1.1	2KJ8508-2GB	46	E2	2KJ8508-4GC	50	E2
	2.2 ... 22	655	137.35	1.3	2KJ8508-2GB	46	D2	2KJ8508-4GC	50	D2

Article No. supplements

Motor temperature sensor

without
with Pt10000
1

Motor brake

(brake voltage 180 V DC)

without
with see Seite 5/21, 2 or 3
B, C, D, E, F or G

Converter fieldbus communication see Seite 5/2

1, 2 or 3
B, C, D, E, F or G

Special versions see Chapter 4 „Additional Order options“

...+...

...+...

Bevel geared motors

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor Drehzahlbereich 300 ... 3000 rpm									
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4	
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	
					(Article No. supplements see below)	kg	(Article No. supplements see below)	kg	
1.5	K.79-LE90S.								
2.4 ... 24	590	123.8	1.4		2KJ8508-2GB -4 C2 -Z	46	2KJ8508-4GC -4 C2 -Z	50	
2.6 ... 26	545	114.28	1.5		2KJ8508-2GB -4 B2 -Z	46	2KJ8508-4GC -4 B2 -Z	50	
2.9 ... 29	495	104.32	1.6		2KJ8508-2GB -4 A2 -Z	46	2KJ8508-4GC -4 A2 -Z	50	
3.5 ... 35	410	86.56	2		2KJ8508-2GB -4 X1 -Z	46	2KJ8508-4GC -4 X1 -Z	50	
3.7 ... 37	385	81.47	2.1		2KJ8508-2GB -4 W1 -Z	46	2KJ8508-4GC -4 W1 -Z	50	
3.9 ... 39	365	76.94	2.2		2KJ8508-2GB -4 V1 -Z	46	2KJ8508-4GC -4 V1 -Z	50	
4.6 ... 46	310	65.47	2.6		2KJ8508-2GB -4 U1 -Z	46	2KJ8508-4GC -4 U1 -Z	50	
5.3 ... 53	265	56.08	3.1		2KJ8508-2GB -4 T1 -Z	46	2KJ8508-4GC -4 T1 -Z	50	
1.5	K.69-LE90S.								
2 ... 19.7	725	152	0.83		2KJ8507-2GB -4 F2 -Z	41	2KJ8507-4GC -4 F2 -Z	45	
2.2 ... 22	660	138.18	0.91		2KJ8507-2GB -4 E2 -Z	41	2KJ8507-4GC -4 E2 -Z	45	
2.4 ... 24	585	123.29	1		2KJ8507-2GB -4 D2 -Z	41	2KJ8507-4GC -4 D2 -Z	45	
2.7 ... 27	525	110.55	1.1		2KJ8507-2GB -4 C2 -Z	41	2KJ8507-4GC -4 C2 -Z	45	
3 ... 30	475	99.64	1.3		2KJ8507-2GB -4 B2 -Z	41	2KJ8507-4GC -4 B2 -Z	45	
3.3 ... 33	435	91.98	1.4		2KJ8507-2GB -4 A2 -Z	41	2KJ8507-4GC -4 A2 -Z	45	
3.6 ... 36	400	83.96	1.5		2KJ8507-2GB -4 X1 -Z	41	2KJ8507-4GC -4 X1 -Z	45	
4.3 ... 43	330	69.67	1.8		2KJ8507-2GB -4 W1 -Z	41	2KJ8507-4GC -4 W1 -Z	45	
4.6 ... 46	310	65.57	1.9		2KJ8507-2GB -4 V1 -Z	41	2KJ8507-4GC -4 V1 -Z	45	
4.8 ... 48	295	61.93	2		2KJ8507-2GB -4 U1 -Z	41	2KJ8507-4GC -4 U1 -Z	45	
5.7 ... 57	250	52.69	2.4		2KJ8507-2GB -4 T1 -Z	41	2KJ8507-4GC -4 T1 -Z	45	
6.6 ... 66	215	45.14	2.8		2KJ8507-2GB -4 S1 -Z	41	2KJ8507-4GC -4 S1 -Z	45	
7.6 ... 76	190	39.69	3.2		2KJ8507-2GB -4 R1 -Z	41	2KJ8507-4GC -4 R1 -Z	45	
1.5	K.49-LE90S.								
2.7 ... 27	525	110.55	0.8		2KJ8505-2GB -4 D2 -Z	34	2KJ8505-4GC -4 D2 -Z	38	
3.1 ... 31	465	97.71	0.9		2KJ8505-2GB -4 C2 -Z	34	2KJ8505-4GC -4 C2 -Z	38	
3.4 ... 34	420	88.83	0.99		2KJ8505-2GB -4 B2 -Z	34	2KJ8505-4GC -4 B2 -Z	38	
3.9 ... 39	370	77.81	1.1		2KJ8505-2GB -4 A2 -Z	34	2KJ8505-4GC -4 A2 -Z	38	
4.2 ... 42	340	71.82	1.2		2KJ8505-2GB -4 X1 -Z	34	2KJ8505-4GC -4 X1 -Z	38	
4.7 ... 47	300	63.59	1.4		2KJ8505-2GB -4 W1 -Z	34	2KJ8505-4GC -4 W1 -Z	38	
5.7 ... 57	250	52.93	1.7		2KJ8505-2GB -4 V1 -Z	34	2KJ8505-4GC -4 V1 -Z	38	
6 ... 60	235	49.82	1.8		2KJ8505-2GB -4 U1 -Z	34	2KJ8505-4GC -4 U1 -Z	38	
6.7 ... 67	210	44.63	2		2KJ8505-2GB -4 T1 -Z	34	2KJ8505-4GC -4 T1 -Z	38	
7.9 ... 79	181	38	2.3		2KJ8505-2GB -4 S1 -Z	34	2KJ8505-4GC -4 S1 -Z	38	
9.2 ... 92	156	32.57	2.7		2KJ8505-2GB -4 R1 -Z	34	2KJ8505-4GC -4 R1 -Z	38	
10.7 ... 107	134	28.05	3.1		2KJ8505-2GB -4 Q1 -Z	34	2KJ8505-4GC -4 Q1 -Z	38	
11.4 ... 114	126	26.3	3.3		2KJ8505-2GB -4 P1 -Z	34	2KJ8505-4GC -4 P1 -Z	38	
1.5	B.49-LE90S.								
5.1 ... 51	280	59.28	1.6		2KJ8503-2GB -4 C2 -Z	32	2KJ8503-4GC -4 C2 -Z	36	
5.6 ... 56	255	53.89	1.7		2KJ8503-2GB -4 B2 -Z	32	2KJ8503-4GC -4 B2 -Z	36	
6.5 ... 65	215	45.83	2.1		2KJ8503-2GB -4 A2 -Z	32	2KJ8503-4GC -4 A2 -Z	36	
7.2 ... 72	199	41.67	2.3		2KJ8503-2GB -4 X1 -Z	32	2KJ8503-4GC -4 X1 -Z	36	
8.1 ... 81	178	37.18	2.5		2KJ8503-2GB -4 W1 -Z	32	2KJ8503-4GC -4 W1 -Z	36	
9 ... 90	159	33.33	2.8		2KJ8503-2GB -4 V1 -Z	32	2KJ8503-4GC -4 V1 -Z	36	
10 ... 100	143	30.05	3.1		2KJ8503-2GB -4 U1 -Z	32	2KJ8503-4GC -4 U1 -Z	36	
10.8 ... 108	132	27.74	3.4		2KJ8503-2GB -4 T1 -Z	32	2KJ8503-4GC -4 T1 -Z	36	
1.5	K.39-LE90S.								
5.4 ... 54	260	55.25	0.83		2KJ8504-2GB -4 X1 -Z	28	2KJ8504-4GC -4 X1 -Z	32	
6.2 ... 62	230	48.37	0.95		2KJ8504-2GB -4 W1 -Z	28	2KJ8504-4GC -4 W1 -Z	32	
7.1 ... 71	200	42.41	1.1		2KJ8504-2GB -4 V1 -Z	28	2KJ8504-4GC -4 V1 -Z	32	
7.8 ... 78	184	38.48	1.2		2KJ8504-2GB -4 U1 -Z	28	2KJ8504-4GC -4 U1 -Z	32	
8.3 ... 83	173	36.21	1.3		2KJ8504-2GB -4 T1 -Z	28	2KJ8504-4GC -4 T1 -Z	32	
9.4 ... 94	152	31.92	1.4		2KJ8504-2GB -4 S1 -Z	28	2KJ8504-4GC -4 S1 -Z	32	
10.8 ... 108	132	27.7	1.7		2KJ8504-2GB -4 R1 -Z	28	2KJ8504-4GC -4 R1 -Z	32	
11.2 ... 112	128	26.89	1.7		2KJ8504-2GB -4 Q1 -Z	28	2KJ8504-4GC -4 Q1 -Z	32	
12.5 ... 125	114	23.97	1.9		2KJ8504-2GB -4 P1 -Z	28	2KJ8504-4GC -4 P1 -Z	32	
13.6 ... 136	106	22.12	2.1		2KJ8504-2GB -4 N1 -Z	28	2KJ8504-4GC -4 N1 -Z	32	
15.5 ... 155	92	19.37	2.4		2KJ8504-2GB -4 M1 -Z	28	2KJ8504-4GC -4 M1 -Z	32	
17.7 ... 177	81	16.98	2.7		2KJ8504-2GB -4 L1 -Z	28	2KJ8504-4GC -4 L1 -Z	32	

Article No. supplements		Order code	
Motor temperature sensor	without with PT1000	0 1	
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	0 1, 2 or 3	
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G	
Special versions	see Chapter 4 „Additional Order options“	...	

Bevel geared motors

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor Drehzahlbereich 300 ... 3000 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4		
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg	
2.2	K.79-LE90L.								
2.2 ... 22	960	137.35	0.85	2KJ8508-2GG	■ ■ -4 ■ D2 -Z	51	2KJ8508-4GH	■ ■ -4 ■ D2 -Z	54
2.4 ... 24	865	123.8	0.95	2KJ8508-2GG	■ ■ -4 ■ C2 -Z	51	2KJ8508-4GH	■ ■ -4 ■ C2 -Z	54
2.6 ... 26	800	114.28	1	2KJ8508-2GG	■ ■ -4 ■ B2 -Z	51	2KJ8508-4GH	■ ■ -4 ■ B2 -Z	54
2.9 ... 29	730	104.32	1.1	2KJ8508-2GG	■ ■ -4 ■ A2 -Z	51	2KJ8508-4GH	■ ■ -4 ■ A2 -Z	54
3.5 ... 35	605	86.56	1.4	2KJ8508-2GG	■ ■ -4 ■ X1 -Z	51	2KJ8508-4GH	■ ■ -4 ■ X1 -Z	54
3.7 ... 37	570	81.47	1.4	2KJ8508-2GG	■ ■ -4 ■ W1 -Z	51	2KJ8508-4GH	■ ■ -4 ■ W1 -Z	54
3.9 ... 39	535	76.94	1.5	2KJ8508-2GG	■ ■ -4 ■ V1 -Z	51	2KJ8508-4GH	■ ■ -4 ■ V1 -Z	54
4.6 ... 46	455	65.47	1.8	2KJ8508-2GG	■ ■ -4 ■ U1 -Z	51	2KJ8508-4GH	■ ■ -4 ■ U1 -Z	54
5.3 ... 53	390	56.08	2.1	2KJ8508-2GG	■ ■ -4 ■ T1 -Z	51	2KJ8508-4GH	■ ■ -4 ■ T1 -Z	54
6.1 ... 61	345	49.31	2.4	2KJ8508-2GG	■ ■ -4 ■ S1 -Z	51	2KJ8508-4GH	■ ■ -4 ■ S1 -Z	54
7.2 ... 72	290	41.6	2.7	2KJ8508-2GG	■ ■ -4 ■ R1 -Z	51	2KJ8508-4GH	■ ■ -4 ■ R1 -Z	54
8.3 ... 83	250	36.26	3	2KJ8508-2GG	■ ■ -4 ■ Q1 -Z	51	2KJ8508-4GH	■ ■ -4 ■ Q1 -Z	54
	K.69-LE90L.								
3 ... 30	695	99.64	0.86	2KJ8507-2GG	■ ■ -4 ■ B2 -Z	46	2KJ8507-4GH	■ ■ -4 ■ B2 -Z	49
3.3 ... 33	640	91.98	0.93	2KJ8507-2GG	■ ■ -4 ■ A2 -Z	46	2KJ8507-4GH	■ ■ -4 ■ A2 -Z	49
3.6 ... 36	585	83.96	1	2KJ8507-2GG	■ ■ -4 ■ X1 -Z	46	2KJ8507-4GH	■ ■ -4 ■ X1 -Z	49
4.3 ... 43	485	69.67	1.2	2KJ8507-2GG	■ ■ -4 ■ W1 -Z	46	2KJ8507-4GH	■ ■ -4 ■ W1 -Z	49
4.6 ... 46	455	65.57	1.3	2KJ8507-2GG	■ ■ -4 ■ V1 -Z	46	2KJ8507-4GH	■ ■ -4 ■ V1 -Z	49
4.8 ... 48	430	61.93	1.4	2KJ8507-2GG	■ ■ -4 ■ U1 -Z	46	2KJ8507-4GH	■ ■ -4 ■ U1 -Z	49
5.7 ... 57	365	52.69	1.6	2KJ8507-2GG	■ ■ -4 ■ T1 -Z	46	2KJ8507-4GH	■ ■ -4 ■ T1 -Z	49
6.6 ... 66	315	45.14	1.9	2KJ8507-2GG	■ ■ -4 ■ S1 -Z	46	2KJ8507-4GH	■ ■ -4 ■ S1 -Z	49
7.6 ... 76	275	39.69	2.2	2KJ8507-2GG	■ ■ -4 ■ R1 -Z	46	2KJ8507-4GH	■ ■ -4 ■ R1 -Z	49
9 ... 90	230	33.48	2.5	2KJ8507-2GG	■ ■ -4 ■ Q1 -Z	46	2KJ8507-4GH	■ ■ -4 ■ Q1 -Z	49
10.3 ... 103	200	29.18	2.7	2KJ8507-2GG	■ ■ -4 ■ P1 -Z	46	2KJ8507-4GH	■ ■ -4 ■ P1 -Z	49
11.5 ... 115	182	26.05	3.3	2KJ8507-2GG	■ ■ -4 ■ N1 -Z	46	2KJ8507-4GH	■ ■ -4 ■ N1 -Z	49
12.2 ... 122	172	24.52	3.5	2KJ8507-2GG	■ ■ -4 ■ M1 -Z	46	2KJ8507-4GH	■ ■ -4 ■ M1 -Z	49
13 ... 130	162	23.15	3.6	2KJ8507-2GG	■ ■ -4 ■ L1 -Z	46	2KJ8507-4GH	■ ■ -4 ■ L1 -Z	49
	K.49-LE90L.								
4.2 ... 42	500	71.82	0.84	2KJ8505-2GG	■ ■ -4 ■ X1 -Z	39	2KJ8505-4GH	■ ■ -4 ■ X1 -Z	42
4.7 ... 47	445	63.59	0.94	2KJ8505-2GG	■ ■ -4 ■ W1 -Z	39	2KJ8505-4GH	■ ■ -4 ■ W1 -Z	42
5.7 ... 57	370	52.93	1.1	2KJ8505-2GG	■ ■ -4 ■ V1 -Z	39	2KJ8505-4GH	■ ■ -4 ■ V1 -Z	42
6 ... 60	345	49.82	1.2	2KJ8505-2GG	■ ■ -4 ■ U1 -Z	39	2KJ8505-4GH	■ ■ -4 ■ U1 -Z	42
6.7 ... 67	310	44.63	1.3	2KJ8505-2GG	■ ■ -4 ■ T1 -Z	39	2KJ8505-4GH	■ ■ -4 ■ T1 -Z	42
7.9 ... 79	265	38	1.6	2KJ8505-2GG	■ ■ -4 ■ S1 -Z	39	2KJ8505-4GH	■ ■ -4 ■ S1 -Z	42
9.2 ... 92	225	32.57	1.8	2KJ8505-2GG	■ ■ -4 ■ R1 -Z	39	2KJ8505-4GH	■ ■ -4 ■ R1 -Z	42
10.7 ... 107	196	28.05	2.1	2KJ8505-2GG	■ ■ -4 ■ Q1 -Z	39	2KJ8505-4GH	■ ■ -4 ■ Q1 -Z	42
11.4 ... 114	184	26.3	2.3	2KJ8505-2GG	■ ■ -4 ■ P1 -Z	39	2KJ8505-4GH	■ ■ -4 ■ P1 -Z	42
12.9 ... 129	163	23.28	2.6	2KJ8505-2GG	■ ■ -4 ■ N1 -Z	39	2KJ8505-4GH	■ ■ -4 ■ N1 -Z	42
15.5 ... 155	136	19.38	3.1	2KJ8505-2GG	■ ■ -4 ■ M1 -Z	39	2KJ8505-4GH	■ ■ -4 ■ M1 -Z	42
16.4 ... 164	128	18.24	3.3	2KJ8505-2GG	■ ■ -4 ■ L1 -Z	39	2KJ8505-4GH	■ ■ -4 ■ L1 -Z	42
18.4 ... 184	114	16.34	3.7	2KJ8505-2GG	■ ■ -4 ■ K1 -Z	39	2KJ8505-4GH	■ ■ -4 ■ K1 -Z	42
31 ... 308	68	9.75	4	2KJ8505-2GG	■ ■ -4 ■ F1 -Z	39	2KJ8505-4GH	■ ■ -4 ■ F1 -Z	42
	B.49-LE90L.								
5.1 ... 51	415	59.28	1.1	2KJ8503-2GG	■ ■ -4 ■ C2 -Z	37	2KJ8503-4GH	■ ■ -4 ■ C2 -Z	40
5.6 ... 56	375	53.89	1.2	2KJ8503-2GG	■ ■ -4 ■ B2 -Z	37	2KJ8503-4GH	■ ■ -4 ■ B2 -Z	40
6.5 ... 65	320	45.83	1.4	2KJ8503-2GG	■ ■ -4 ■ A2 -Z	37	2KJ8503-4GH	■ ■ -4 ■ A2 -Z	40
7.2 ... 72	290	41.67	1.5	2KJ8503-2GG	■ ■ -4 ■ X1 -Z	37	2KJ8503-4GH	■ ■ -4 ■ X1 -Z	40
8.1 ... 81	260	37.18	1.7	2KJ8503-2GG	■ ■ -4 ■ W1 -Z	37	2KJ8503-4GH	■ ■ -4 ■ W1 -Z	40
9 ... 90	230	33.33	1.9	2KJ8503-2GG	■ ■ -4 ■ V1 -Z	37	2KJ8503-4GH	■ ■ -4 ■ V1 -Z	40
10 ... 100	210	30.05	2.1	2KJ8503-2GG	■ ■ -4 ■ U1 -Z	37	2KJ8503-4GH	■ ■ -4 ■ U1 -Z	40
10.8 ... 108	194	27.74	2.3	2KJ8503-2GG	■ ■ -4 ■ T1 -Z	37	2KJ8503-4GH	■ ■ -4 ■ T1 -Z	40
11.8 ... 118	177	25.32	2.5	2KJ8503-2GG	■ ■ -4 ■ S1 -Z	37	2KJ8503-4GH	■ ■ -4 ■ S1 -Z	40
14.3 ... 143	147	21.01	3.1	2KJ8503-2GG	■ ■ -4 ■ R1 -Z	37	2KJ8503-4GH	■ ■ -4 ■ R1 -Z	40
15.2 ... 152	138	19.77	3.3	2KJ8503-2GG	■ ■ -4 ■ Q1 -Z	37	2KJ8503-4GH	■ ■ -4 ■ Q1 -Z	40
16.1 ... 161	131	18.67	3.4	2KJ8503-2GG	■ ■ -4 ■ P1 -Z	37	2KJ8503-4GH	■ ■ -4 ■ P1 -Z	40
	K.39-LE90L.								
7.8 ... 78	265	38.48	0.82	2KJ8504-2GG	■ ■ -4 ■ U1 -Z	33	2KJ8504-4GH	■ ■ -4 ■ U1 -Z	36
8.3 ... 83	250	36.21	0.87	2KJ8504-2GG	■ ■ -4 ■ T1 -Z	33	2KJ8504-4GH	■ ■ -4 ■ T1 -Z	36

Article No. supplements		Order code		Order code
Motor temperature sensor	without with Pt1000	0 1		0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	1, 2 or 3		1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G		B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...		...

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor Drehzahlbereich 300 ... 3000 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B -	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
2.2	K.39-LE90L.							
	9.4 ... 94	220	31.92	0.98	2KJ8504-2GG █ █ -4 █ S1 -Z	33	2KJ8504-4GH █ █ -4 █ S1 -Z	36
	10.8 ... 108	194	27.7	1.1	2KJ8504-2GG █ █ -4 █ R1 -Z	33	2KJ8504-4GH █ █ -4 █ R1 -Z	36
	11.2 ... 112	188	26.89	1.2	2KJ8504-2GG █ █ -4 █ Q1 -Z	33	2KJ8504-4GH █ █ -4 █ Q1 -Z	36
	12.5 ... 125	168	23.97	1.3	2KJ8504-2GG █ █ -4 █ P1 -Z	33	2KJ8504-4GH █ █ -4 █ P1 -Z	36
	13.6 ... 136	155	22.12	1.4	2KJ8504-2GG █ █ -4 █ N1 -Z	33	2KJ8504-4GH █ █ -4 █ N1 -Z	36
	15.5 ... 155	136	19.37	1.6	2KJ8504-2GG █ █ -4 █ M1 -Z	33	2KJ8504-4GH █ █ -4 █ M1 -Z	36
	17.7 ... 177	119	16.98	1.9	2KJ8504-2GG █ █ -4 █ L1 -Z	33	2KJ8504-4GH █ █ -4 █ L1 -Z	36
	19.5 ... 195	108	15.41	2	2KJ8504-2GG █ █ -4 █ K1 -Z	33	2KJ8504-4GH █ █ -4 █ K1 -Z	36
	21 ... 207	102	14.5	2.2	2KJ8504-2GG █ █ -4 █ J1 -Z	33	2KJ8504-4GH █ █ -4 █ J1 -Z	36
	23 ... 235	90	12.78	2.5	2KJ8504-2GG █ █ -4 █ H1 -Z	33	2KJ8504-4GH █ █ -4 █ H1 -Z	36
	27 ... 271	78	11.09	2.8	2KJ8504-2GG █ █ -4 █ G1 -Z	33	2KJ8504-4GH █ █ -4 █ G1 -Z	36
	30 ... 299	70	10.04	2.6	2KJ8504-2GG █ █ -4 █ F1 -Z	33	2KJ8504-4GH █ █ -4 █ F1 -Z	36
	34 ... 341	62	8.81	3	2KJ8504-2GG █ █ -4 █ E1 -Z	33	2KJ8504-4GH █ █ -4 █ E1 -Z	36
	38 ... 375	56	7.99	3.1	2KJ8504-2GG █ █ -4 █ D1 -Z	33	2KJ8504-4GH █ █ -4 █ D1 -Z	36
	40 ... 399	53	7.52	3.2	2KJ8504-2GG █ █ -4 █ C1 -Z	33	2KJ8504-4GH █ █ -4 █ C1 -Z	36
	45 ... 452	46	6.63	3.5	2KJ8504-2GG █ █ -4 █ B1 -Z	33	2KJ8504-4GH █ █ -4 █ B1 -Z	36
	52 ... 522	40	5.75	3.7	2KJ8504-2GG █ █ -4 █ A1 -Z	33	2KJ8504-4GH █ █ -4 █ A1 -Z	36
	B.39-LE90L.							
	6.8 ... 68	305	44	0.81	2KJ8502-2GG █ █ -4 █ W1 -Z	32	2KJ8502-4GH █ █ -4 █ W1 -Z	35
	7.5 ... 75	280	40	0.82	2KJ8502-2GG █ █ -4 █ V1 -Z	32	2KJ8502-4GH █ █ -4 █ V1 -Z	35
	8.8 ... 88	240	34.22	1	2KJ8502-2GG █ █ -4 █ U1 -Z	32	2KJ8502-4GH █ █ -4 █ U1 -Z	35
	9.6 ... 96	215	31.11	1.1	2KJ8502-2GG █ █ -4 █ T1 -Z	32	2KJ8502-4GH █ █ -4 █ T1 -Z	35
	10.9 ... 109	193	27.5	1.3	2KJ8502-2GG █ █ -4 █ S1 -Z	32	2KJ8502-4GH █ █ -4 █ S1 -Z	35
	12 ... 120	175	25	1.4	2KJ8502-2GG █ █ -4 █ R1 -Z	32	2KJ8502-4GH █ █ -4 █ R1 -Z	35
	13.7 ... 137	153	21.9	1.6	2KJ8502-2GG █ █ -4 █ Q1 -Z	32	2KJ8502-4GH █ █ -4 █ Q1 -Z	35
	14.8 ... 148	142	20.21	1.8	2KJ8502-2GG █ █ -4 █ P1 -Z	32	2KJ8502-4GH █ █ -4 █ P1 -Z	35
	16.8 ... 168	125	17.9	2	2KJ8502-2GG █ █ -4 █ N1 -Z	32	2KJ8502-4GH █ █ -4 █ N1 -Z	35
	20 ... 201	104	14.9	2.4	2KJ8502-2GG █ █ -4 █ M1 -Z	32	2KJ8502-4GH █ █ -4 █ M1 -Z	35
	21 ... 214	98	14.02	2.5	2KJ8502-2GG █ █ -4 █ L1 -Z	32	2KJ8502-4GH █ █ -4 █ L1 -Z	35
	24 ... 239	88	12.56	2.8	2KJ8502-2GG █ █ -4 █ K1 -Z	32	2KJ8502-4GH █ █ -4 █ K1 -Z	35
	28 ... 281	75	10.69	3.2	2KJ8502-2GG █ █ -4 █ J1 -Z	32	2KJ8502-4GH █ █ -4 █ J1 -Z	35
	33 ... 327	64	9.17	3.6	2KJ8502-2GG █ █ -4 █ H1 -Z	32	2KJ8502-4GH █ █ -4 █ H1 -Z	35
	38 ... 380	55	7.89	4	2KJ8502-2GG █ █ -4 █ G1 -Z	32	2KJ8502-4GH █ █ -4 █ G1 -Z	35
	B.29-LE90L.							
	16.8 ... 168	125	17.82	0.88	2KJ8501-2GG █ █ -4 █ R1 -Z	27	2KJ8501-4GH █ █ -4 █ R1 -Z	30
18.2 ... 182	115	16.45	0.95	2KJ8501-2GG █ █ -4 █ Q1 -Z	27	2KJ8501-4GH █ █ -4 █ Q1 -Z	30	
21 ... 208	101	14.4	1.1	2KJ8501-2GG █ █ -4 █ P1 -Z	27	2KJ8501-4GH █ █ -4 █ P1 -Z	30	
24 ... 238	88	12.63	1.2	2KJ8501-2GG █ █ -4 █ N1 -Z	27	2KJ8501-4GH █ █ -4 █ N1 -Z	30	
26 ... 262	80	11.46	1.4	2KJ8501-2GG █ █ -4 █ M1 -Z	27	2KJ8501-4GH █ █ -4 █ M1 -Z	30	
28 ... 278	76	10.78	1.5	2KJ8501-2GG █ █ -4 █ L1 -Z	27	2KJ8501-4GH █ █ -4 █ L1 -Z	30	
32 ... 315	67	9.51	1.7	2KJ8501-2GG █ █ -4 █ K1 -Z	27	2KJ8501-4GH █ █ -4 █ K1 -Z	30	
36 ... 364	58	8.25	1.9	2KJ8501-2GG █ █ -4 █ J1 -Z	27	2KJ8501-4GH █ █ -4 █ J1 -Z	30	
38 ... 383	55	7.84	1.4	2KJ8501-2GG █ █ -4 █ H1 -Z	27	2KJ8501-4GH █ █ -4 █ H1 -Z	30	
41 ... 407	52	7.38	1.5	2KJ8501-2GG █ █ -4 █ G1 -Z	27	2KJ8501-4GH █ █ -4 █ G1 -Z	30	
46 ... 461	46	6.51	1.6	2KJ8501-2GG █ █ -4 █ F1 -Z	27	2KJ8501-4GH █ █ -4 █ F1 -Z	30	
53 ... 531	40	5.65	1.9	2KJ8501-2GG █ █ -4 █ E1 -Z	27	2KJ8501-4GH █ █ -4 █ E1 -Z	30	
59 ... 592	36	5.07	2.1	2KJ8501-2GG █ █ -4 █ D1 -Z	27	2KJ8501-4GH █ █ -4 █ D1 -Z	30	
63 ... 628	34	4.78	2.2	2KJ8501-2GG █ █ -4 █ C1 -Z	27	2KJ8501-4GH █ █ -4 █ C1 -Z	30	
71 ... 713	30	4.21	2.5	2KJ8501-2GG █ █ -4 █ B1 -Z	27	2KJ8501-4GH █ █ -4 █ B1 -Z	30	
82 ... 822	26	3.65	2.9	2KJ8501-2GG █ █ -4 █ A1 -Z	27	2KJ8501-4GH █ █ -4 █ A1 -Z	30	
3	K.109-LE112MA.							
	1.4 ... 13.8	2060	216.65	1.4	-	-	2KJ8511-4LC █ █ -4 █ H2 -Z	129
	1.5 ... 15.3	1860	195.6	1.6	-	-	2KJ8511-4LC █ █ -4 █ G2 -Z	129
	1.7 ... 16.9	1690	177.43	1.7	-	-	2KJ8511-4LC █ █ -4 █ F2 -Z	129
	1.8 ... 18.3	1560	163.78	1.9	-	-	2KJ8511-4LC █ █ -4 █ E2 -Z	129
	2 ... 20	1420	148.88	2	-	-	2KJ8511-4LC █ █ -4 █ D2 -Z	129
	2.4 ... 24	1200	126.07	2.4	-	-	2KJ8511-4LC █ █ -4 █ C2 -Z	129
2.5 ... 25	1130	118.65	2.6	-	-	2KJ8511-4LC █ █ -4 █ B2 -Z	129	

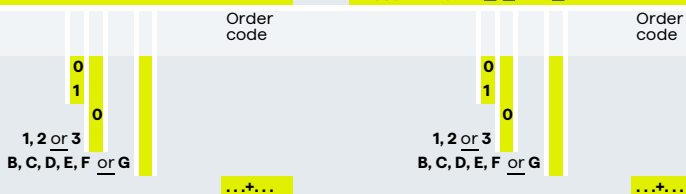
Article No. supplements

Motor temperature sensor without
with Pt1000

Motor brake without
(brake voltage 180 V DC) with see Seite 5/2

Converter fieldbus communication see Seite 5/2

Special versions see Chapter 4 „Additional Order options“



Bevel geared motors

Selection and ordering data

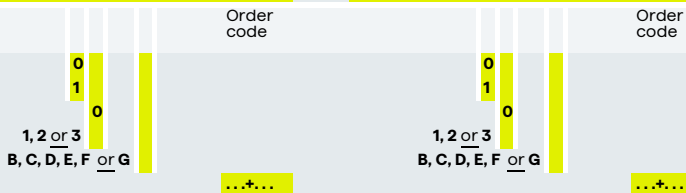
Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor Drehzahlbereich 300 ... 3000 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4			
					Article No. (Article No. supplements see below)	m kg		Article No. (Article No. supplements see below)	m kg		
3	K.109-LE112MA.										
	2.7 ... 27	1040	109.57	2.8	-	-	2KJ8511-4LC	■ -4	■ A2	-Z	129
	3.1 ... 31	930	97.49	3.1	-	-	2KJ8511-4LC	■ -4	■ X1	-Z	129
	K.109-LE100LA.										
	1.4 ... 13.8	2060	216.65	1.4	-	-	2KJ8511-2JB	■ -4	■ H2	-Z	-
	1.5 ... 15.3	1860	195.6	1.6	-	-	2KJ8511-2JB	■ -4	■ G2	-Z	-
	1.7 ... 16.9	1690	177.43	1.7	-	-	2KJ8511-2JB	■ -4	■ F2	-Z	-
	1.8 ... 18.3	1560	163.78	1.9	-	-	2KJ8511-2JB	■ -4	■ E2	-Z	-
	2 ... 20	1420	148.88	2	-	-	2KJ8511-2JB	■ -4	■ D2	-Z	-
	2.4 ... 24	1200	126.07	2.4	-	-	2KJ8511-2JB	■ -4	■ C2	-Z	-
	2.5 ... 25	1130	118.65	2.6	-	-	2KJ8511-2JB	■ -4	■ B2	-Z	-
	2.7 ... 27	1040	109.57	2.8	-	-	2KJ8511-2JB	■ -4	■ A2	-Z	-
	3.1 ... 31	930	97.49	3.1	-	-	2KJ8511-2JB	■ -4	■ X1	-Z	-
	K.89-LE112MA.										
	1.6 ... 15.9	1800	189.01	0.89	-	-	2KJ8510-4LC	■ -4	■ H2	-Z	93
	1.8 ... 17.7	1620	169.94	0.99	-	-	2KJ8510-4LC	■ -4	■ G2	-Z	93
	2 ... 19.5	1460	153.7	1.1	-	-	2KJ8510-4LC	■ -4	■ F2	-Z	93
	2.1 ... 21	1350	141.88	1.2	-	-	2KJ8510-4LC	■ -4	■ E2	-Z	93
	2.3 ... 23	1240	129.96	1.3	-	-	2KJ8510-4LC	■ -4	■ D2	-Z	93
	2.8 ... 28	1040	109.04	1.5	-	-	2KJ8510-4LC	■ -4	■ C2	-Z	93
	2.9 ... 29	980	102.63	1.6	-	-	2KJ8510-4LC	■ -4	■ B2	-Z	93
	3.2 ... 32	895	94.16	1.8	-	-	2KJ8510-4LC	■ -4	■ A2	-Z	93
	3.6 ... 36	785	82.25	2	-	-	2KJ8510-4LC	■ -4	■ X1	-Z	93
	4.1 ... 41	700	73.64	2.3	-	-	2KJ8510-4LC	■ -4	■ W1	-Z	93
	4.7 ... 47	615	64.39	2.6	-	-	2KJ8510-4LC	■ -4	■ V1	-Z	93
	5.4 ... 54	525	55.27	3	-	-	2KJ8510-4LC	■ -4	■ U1	-Z	93
	K.89-LE100LA.										
	1.6 ... 15.9	1800	189.01	0.89	-	-	2KJ8510-2JB	■ -4	■ H2	-Z	-
	1.8 ... 17.7	1620	169.94	0.99	-	-	2KJ8510-2JB	■ -4	■ G2	-Z	-
	2 ... 19.5	1460	153.7	1.1	-	-	2KJ8510-2JB	■ -4	■ F2	-Z	-
2.1 ... 21	1350	141.88	1.2	-	-	2KJ8510-2JB	■ -4	■ E2	-Z	-	
2.3 ... 23	1240	129.96	1.3	-	-	2KJ8510-2JB	■ -4	■ D2	-Z	-	
2.8 ... 28	1040	109.04	1.5	-	-	2KJ8510-2JB	■ -4	■ C2	-Z	-	
2.9 ... 29	980	102.63	1.6	-	-	2KJ8510-2JB	■ -4	■ B2	-Z	-	
3.2 ... 32	895	94.16	1.8	-	-	2KJ8510-2JB	■ -4	■ A2	-Z	-	
3.6 ... 36	785	82.25	2	-	-	2KJ8510-2JB	■ -4	■ X1	-Z	-	
4.1 ... 41	700	73.64	2.3	-	-	2KJ8510-2JB	■ -4	■ W1	-Z	-	
4.7 ... 47	615	64.39	2.6	-	-	2KJ8510-2JB	■ -4	■ V1	-Z	-	
5.4 ... 54	525	55.27	3	-	-	2KJ8510-2JB	■ -4	■ U1	-Z	-	
K.79-LE112MA.											
2.9 ... 29	995	104.32	0.82	-	-	2KJ8508-4LC	■ -4	■ A2	-Z	73	
3.5 ... 35	825	86.56	0.99	-	-	2KJ8508-4LC	■ -4	■ X1	-Z	73	
3.7 ... 37	775	81.47	1.1	-	-	2KJ8508-4LC	■ -4	■ W1	-Z	73	
3.9 ... 39	735	76.94	1.1	-	-	2KJ8508-4LC	■ -4	■ V1	-Z	73	
4.6 ... 46	625	65.47	1.3	-	-	2KJ8508-4LC	■ -4	■ U1	-Z	73	
5.3 ... 53	535	56.08	1.5	-	-	2KJ8508-4LC	■ -4	■ T1	-Z	73	
6.1 ... 61	470	49.31	1.7	-	-	2KJ8508-4LC	■ -4	■ S1	-Z	73	
7.2 ... 72	395	41.6	2	-	-	2KJ8508-4LC	■ -4	■ R1	-Z	73	
8.3 ... 83	345	36.26	2.2	-	-	2KJ8508-4LC	■ -4	■ Q1	-Z	73	
9.2 ... 92	310	32.78	2.6	-	-	2KJ8508-4LC	■ -4	■ P1	-Z	73	
11 ... 110	260	27.2	3.1	-	-	2KJ8508-4LC	■ -4	■ N1	-Z	73	
11.7 ... 117	240	25.6	3.2	-	-	2KJ8508-4LC	■ -4	■ M1	-Z	73	
12.4 ... 124	230	24.17	3.3	-	-	2KJ8508-4LC	■ -4	■ L1	-Z	73	
K.79-LE100LA.											
2.9 ... 29	995	104.32	0.82	-	-	2KJ8508-2JB	■ -4	■ A2	-Z	-	
3.5 ... 35	825	86.56	0.99	-	-	2KJ8508-2JB	■ -4	■ X1	-Z	-	
3.7 ... 37	775	81.47	1.1	-	-	2KJ8508-2JB	■ -4	■ W1	-Z	-	
3.9 ... 39	735	76.94	1.1	-	-	2KJ8508-2JB	■ -4	■ V1	-Z	-	
4.6 ... 46	625	65.47	1.3	-	-	2KJ8508-2JB	■ -4	■ U1	-Z	-	

Article No. supplements

Motor temperature sensor	without with Pt1000	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	0 1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...



Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor Drehzahlbereich 300 ... 3000 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B -	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
					Article No. (Article No. supplements see below)	m kg		Article No. (Article No. supplements see below)	m kg	
3	K.79-LE100LA.									
	5.3 ... 53	535	56.08	1.5	2KJ8508-2JB	■ ■ -4 ■ T1 -Z	69	-	-	-
	6.1 ... 61	470	49.31	1.7	2KJ8508-2JB	■ ■ -4 ■ S1 -Z	69	-	-	-
	7.2 ... 72	395	41.6	2	2KJ8508-2JB	■ ■ -4 ■ R1 -Z	69	-	-	-
	8.3 ... 83	345	36.26	2.2	2KJ8508-2JB	■ ■ -4 ■ Q1 -Z	69	-	-	-
	9.2 ... 92	310	32.78	2.6	2KJ8508-2JB	■ ■ -4 ■ P1 -Z	69	-	-	-
	11 ... 110	260	27.2	3.1	2KJ8508-2JB	■ ■ -4 ■ N1 -Z	69	-	-	-
	11.7 ... 117	240	25.6	3.2	2KJ8508-2JB	■ ■ -4 ■ M1 -Z	69	-	-	-
	12.4 ... 124	230	24.17	3.3	2KJ8508-2JB	■ ■ -4 ■ L1 -Z	69	-	-	-
	K.69-LE100LA.									
	4.3 ... 43	665	69.67	0.9	2KJ8507-2JB	■ ■ -4 ■ W1 -Z	63	-	-	-
	4.6 ... 46	625	65.57	0.96	2KJ8507-2JB	■ ■ -4 ■ V1 -Z	63	-	-	-
	4.8 ... 48	590	61.93	1	2KJ8507-2JB	■ ■ -4 ■ U1 -Z	63	-	-	-
	5.7 ... 57	500	52.69	1.2	2KJ8507-2JB	■ ■ -4 ■ T1 -Z	63	-	-	-
	6.6 ... 66	430	45.14	1.4	2KJ8507-2JB	■ ■ -4 ■ S1 -Z	63	-	-	-
	7.6 ... 76	375	39.69	1.6	2KJ8507-2JB	■ ■ -4 ■ R1 -Z	63	-	-	-
	9 ... 90	320	33.48	1.8	2KJ8507-2JB	■ ■ -4 ■ Q1 -Z	63	-	-	-
	10.3 ... 103	275	29.18	2	2KJ8507-2JB	■ ■ -4 ■ P1 -Z	63	-	-	-
	11.5 ... 115	245	26.05	2.4	2KJ8507-2JB	■ ■ -4 ■ N1 -Z	63	-	-	-
	12.2 ... 122	230	24.52	2.5	2KJ8507-2JB	■ ■ -4 ■ M1 -Z	63	-	-	-
	13 ... 130	220	23.15	2.6	2KJ8507-2JB	■ ■ -4 ■ L1 -Z	63	-	-	-
	15.2 ... 152	188	19.7	3	2KJ8507-2JB	■ ■ -4 ■ K1 -Z	63	-	-	-
	17.8 ... 178	161	16.88	3.3	2KJ8507-2JB	■ ■ -4 ■ J1 -Z	63	-	-	-
	20 ... 202	142	14.84	3.6	2KJ8507-2JB	■ ■ -4 ■ H1 -Z	63	-	-	-
	K.69-LE112MA.									
	4.3 ... 43	665	69.67	0.9	-	-	2KJ8507-4LC	■ ■ -4 ■ W1 -Z	67	-
	4.6 ... 46	625	65.57	0.96	-	-	2KJ8507-4LC	■ ■ -4 ■ V1 -Z	67	-
	4.8 ... 48	590	61.93	1	-	-	2KJ8507-4LC	■ ■ -4 ■ U1 -Z	67	-
	5.7 ... 57	500	52.69	1.2	-	-	2KJ8507-4LC	■ ■ -4 ■ T1 -Z	67	-
	6.6 ... 66	430	45.14	1.4	-	-	2KJ8507-4LC	■ ■ -4 ■ S1 -Z	67	-
	7.6 ... 76	375	39.69	1.6	-	-	2KJ8507-4LC	■ ■ -4 ■ R1 -Z	67	-
	9 ... 90	320	33.48	1.8	-	-	2KJ8507-4LC	■ ■ -4 ■ Q1 -Z	67	-
	10.3 ... 103	275	29.18	2	-	-	2KJ8507-4LC	■ ■ -4 ■ P1 -Z	67	-
	11.5 ... 115	245	26.05	2.4	-	-	2KJ8507-4LC	■ ■ -4 ■ N1 -Z	67	-
	12.2 ... 122	230	24.52	2.5	-	-	2KJ8507-4LC	■ ■ -4 ■ M1 -Z	67	-
	13 ... 130	220	23.15	2.6	-	-	2KJ8507-4LC	■ ■ -4 ■ L1 -Z	67	-
15.2 ... 152	188	19.7	3	-	-	2KJ8507-4LC	■ ■ -4 ■ K1 -Z	67	-	
17.8 ... 178	161	16.88	3.3	-	-	2KJ8507-4LC	■ ■ -4 ■ J1 -Z	67	-	
20 ... 202	142	14.84	3.6	-	-	2KJ8507-4LC	■ ■ -4 ■ H1 -Z	67	-	
K.49-LE100LA.										
5.7 ... 57	505	52.93	0.83	2KJ8505-2JB	■ ■ -4 ■ V1 -Z	57	-	-	-	
6 ... 60	475	49.82	0.88	2KJ8505-2JB	■ ■ -4 ■ U1 -Z	57	-	-	-	
6.7 ... 67	425	44.63	0.99	2KJ8505-2JB	■ ■ -4 ■ T1 -Z	57	-	-	-	
7.9 ... 79	360	38	1.2	2KJ8505-2JB	■ ■ -4 ■ S1 -Z	57	-	-	-	
9.2 ... 92	310	32.57	1.4	2KJ8505-2JB	■ ■ -4 ■ R1 -Z	57	-	-	-	
10.7 ... 107	265	28.05	1.6	2KJ8505-2JB	■ ■ -4 ■ Q1 -Z	57	-	-	-	
11.4 ... 114	250	26.3	1.7	2KJ8505-2JB	■ ■ -4 ■ P1 -Z	57	-	-	-	
12.9 ... 129	220	23.28	1.9	2KJ8505-2JB	■ ■ -4 ■ N1 -Z	57	-	-	-	
15.5 ... 155	185	19.38	2.3	2KJ8505-2JB	■ ■ -4 ■ M1 -Z	57	-	-	-	
16.4 ... 164	174	18.24	2.4	2KJ8505-2JB	■ ■ -4 ■ L1 -Z	57	-	-	-	
18.4 ... 184	156	16.34	2.7	2KJ8505-2JB	■ ■ -4 ■ K1 -Z	57	-	-	-	
22 ... 216	133	13.91	3.2	2KJ8505-2JB	■ ■ -4 ■ J1 -Z	57	-	-	-	
25 ... 251	114	11.93	3.7	2KJ8505-2JB	■ ■ -4 ■ H1 -Z	57	-	-	-	
31 ... 308	93	9.75	3	2KJ8505-2JB	■ ■ -4 ■ F1 -Z	57	-	-	-	
33 ... 327	88	9.18	3.1	2KJ8505-2JB	■ ■ -4 ■ E1 -Z	57	-	-	-	
36 ... 365	78	8.22	3.2	2KJ8505-2JB	■ ■ -4 ■ D1 -Z	57	-	-	-	
43 ... 429	67	7	3.6	2KJ8505-2JB	■ ■ -4 ■ C1 -Z	57	-	-	-	
50 ... 500	57	6	3.9	2KJ8505-2JB	■ ■ -4 ■ B1 -Z	57	-	-	-	
58 ... 580	49	5.17	4.3	2KJ8505-2JB	■ ■ -4 ■ A1 -Z	57	-	-	-	

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	1, 2 or 3	1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...	...+...

Bevel geared motors

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor Drehzahlbereich 300 ... 3000 rpm										
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	Article No.	m
3					(Article No. supplements see below)	kg	(Article No. supplements see below)	kg	(Article No. supplements see below)	kg
K.49-LE112MA.										
5.7 ... 57	505	52.93	0.83	-	-	-	2KJ8505-4LC	■ ■ -4 ■ V1 -Z	-	61
6 ... 60	475	49.82	0.88	-	-	-	2KJ8505-4LC	■ ■ -4 ■ U1 -Z	-	61
6.7 ... 67	425	44.63	0.99	-	-	-	2KJ8505-4LC	■ ■ -4 ■ T1 -Z	-	61
7.9 ... 79	360	38	1.2	-	-	-	2KJ8505-4LC	■ ■ -4 ■ S1 -Z	-	61
9.2 ... 92	310	32.57	1.4	-	-	-	2KJ8505-4LC	■ ■ -4 ■ R1 -Z	-	61
10.7 ... 107	265	28.05	1.6	-	-	-	2KJ8505-4LC	■ ■ -4 ■ Q1 -Z	-	61
11.4 ... 114	250	26.3	1.7	-	-	-	2KJ8505-4LC	■ ■ -4 ■ P1 -Z	-	61
12.9 ... 129	220	23.28	1.9	-	-	-	2KJ8505-4LC	■ ■ -4 ■ N1 -Z	-	61
15.5 ... 155	185	19.38	2.3	-	-	-	2KJ8505-4LC	■ ■ -4 ■ M1 -Z	-	61
16.4 ... 164	174	18.24	2.4	-	-	-	2KJ8505-4LC	■ ■ -4 ■ L1 -Z	-	61
18.4 ... 184	156	16.34	2.7	-	-	-	2KJ8505-4LC	■ ■ -4 ■ K1 -Z	-	61
22 ... 216	133	13.91	3.2	-	-	-	2KJ8505-4LC	■ ■ -4 ■ J1 -Z	-	61
25 ... 251	114	11.93	3.7	-	-	-	2KJ8505-4LC	■ ■ -4 ■ H1 -Z	-	61
31 ... 308	93	9.75	3	-	-	-	2KJ8505-4LC	■ ■ -4 ■ F1 -Z	-	61
33 ... 327	88	9.18	3.1	-	-	-	2KJ8505-4LC	■ ■ -4 ■ E1 -Z	-	61
36 ... 365	78	8.22	3.2	-	-	-	2KJ8505-4LC	■ ■ -4 ■ D1 -Z	-	61
43 ... 429	67	7	3.6	-	-	-	2KJ8505-4LC	■ ■ -4 ■ C1 -Z	-	61
50 ... 500	57	6	3.9	-	-	-	2KJ8505-4LC	■ ■ -4 ■ B1 -Z	-	61
58 ... 580	49	5.17	4.3	-	-	-	2KJ8505-4LC	■ ■ -4 ■ A1 -Z	-	61
B.49-LE112MA.										
8.1 ... 81	355	37.18	1.3	-	-	-	2KJ8503-4LC	■ ■ -4 ■ W1 -Z	-	58
9 ... 90	315	33.33	1.4	-	-	-	2KJ8503-4LC	■ ■ -4 ■ V1 -Z	-	58
10 ... 100	285	30.05	1.6	-	-	-	2KJ8503-4LC	■ ■ -4 ■ U1 -Z	-	58
10.8 ... 108	265	27.74	1.7	-	-	-	2KJ8503-4LC	■ ■ -4 ■ T1 -Z	-	58
11.8 ... 118	240	25.32	1.9	-	-	-	2KJ8503-4LC	■ ■ -4 ■ S1 -Z	-	58
14.3 ... 143	200	21.01	2.2	-	-	-	2KJ8503-4LC	■ ■ -4 ■ R1 -Z	-	58
15.2 ... 152	189	19.77	2.4	-	-	-	2KJ8503-4LC	■ ■ -4 ■ Q1 -Z	-	58
16.1 ... 161	178	18.67	2.5	-	-	-	2KJ8503-4LC	■ ■ -4 ■ P1 -Z	-	58
18.9 ... 189	152	15.89	3	-	-	-	2KJ8503-4LC	■ ■ -4 ■ N1 -Z	-	58
22 ... 220	130	13.61	3.5	-	-	-	2KJ8503-4LC	■ ■ -4 ■ M1 -Z	-	58
25 ... 251	114	11.97	3.9	-	-	-	2KJ8503-4LC	■ ■ -4 ■ L1 -Z	-	58
B.49-LE100LA.										
8.1 ... 81	355	37.18	1.3	-	2KJ8503-2JB	■ ■ -4 ■ W1 -Z	54	-	-	-
9 ... 90	315	33.33	1.4	-	2KJ8503-2JB	■ ■ -4 ■ V1 -Z	54	-	-	-
10 ... 100	285	30.05	1.6	-	2KJ8503-2JB	■ ■ -4 ■ U1 -Z	54	-	-	-
10.8 ... 108	265	27.74	1.7	-	2KJ8503-2JB	■ ■ -4 ■ T1 -Z	54	-	-	-
11.8 ... 118	240	25.32	1.9	-	2KJ8503-2JB	■ ■ -4 ■ S1 -Z	54	-	-	-
14.3 ... 143	200	21.01	2.2	-	2KJ8503-2JB	■ ■ -4 ■ R1 -Z	54	-	-	-
15.2 ... 152	189	19.77	2.4	-	2KJ8503-2JB	■ ■ -4 ■ Q1 -Z	54	-	-	-
16.1 ... 161	178	18.67	2.5	-	2KJ8503-2JB	■ ■ -4 ■ P1 -Z	54	-	-	-
18.9 ... 189	152	15.89	3	-	2KJ8503-2JB	■ ■ -4 ■ N1 -Z	54	-	-	-
22 ... 220	130	13.61	3.5	-	2KJ8503-2JB	■ ■ -4 ■ M1 -Z	54	-	-	-
25 ... 251	114	11.97	3.9	-	2KJ8503-2JB	■ ■ -4 ■ L1 -Z	54	-	-	-
K.39-LE112MA.										
10.8 ... 108	265	27.7	0.83	-	-	-	2KJ8504-4LC	■ ■ -4 ■ R1 -Z	-	54
11.2 ... 112	255	26.89	0.86	-	-	-	2KJ8504-4LC	■ ■ -4 ■ Q1 -Z	-	54
12.5 ... 125	225	23.97	0.96	-	-	-	2KJ8504-4LC	■ ■ -4 ■ P1 -Z	-	54
13.6 ... 136	210	22.12	1	-	-	-	2KJ8504-4LC	■ ■ -4 ■ N1 -Z	-	54
15.5 ... 155	185	19.37	1.2	-	-	-	2KJ8504-4LC	■ ■ -4 ■ M1 -Z	-	54
17.7 ... 177	162	16.98	1.4	-	-	-	2KJ8504-4LC	■ ■ -4 ■ L1 -Z	-	54
19.5 ... 195	147	15.41	1.5	-	-	-	2KJ8504-4LC	■ ■ -4 ■ K1 -Z	-	54
21 ... 207	138	14.5	1.6	-	-	-	2KJ8504-4LC	■ ■ -4 ■ J1 -Z	-	54
23 ... 235	122	12.78	1.8	-	-	-	2KJ8504-4LC	■ ■ -4 ■ H1 -Z	-	54
27 ... 271	106	11.09	2.1	-	-	-	2KJ8504-4LC	■ ■ -4 ■ G1 -Z	-	54
30 ... 299	96	10.04	1.9	-	-	-	2KJ8504-4LC	■ ■ -4 ■ F1 -Z	-	54
34 ... 341	84	8.81	2.2	-	-	-	2KJ8504-4LC	■ ■ -4 ■ E1 -Z	-	54
38 ... 375	76	7.99	2.3	-	-	-	2KJ8504-4LC	■ ■ -4 ■ D1 -Z	-	54
40 ... 399	72	7.52	2.4	-	-	-	2KJ8504-4LC	■ ■ -4 ■ C1 -Z	-	54

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	1, 2 or 3	1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...	...+...

Innometrics SG G115D · Control range 1:10 / Motor Drehzahlbereich 300 ... 3000 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B -	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4		
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg	
3	K.39-LE112MA.								
	45 ... 452	63	6.63	2.5	-	-	2KJ8504-4LC	■ -4 ■ B1 -Z	54
	52 ... 522	55	5.75	2.7	-	-	2KJ8504-4LC	■ -4 ■ A1 -Z	54
	K.39-LE100LA.								
	10.8 ... 108	265	27.7	0.83	2KJ8504-2JB	■ -4 ■ R1 -Z	47	-	-
	11.2 ... 112	255	26.89	0.86	2KJ8504-2JB	■ -4 ■ Q1 -Z	47	-	-
	12.5 ... 125	225	23.97	0.96	2KJ8504-2JB	■ -4 ■ P1 -Z	47	-	-
	13.6 ... 136	210	22.12	1	2KJ8504-2JB	■ -4 ■ N1 -Z	47	-	-
	15.5 ... 155	185	19.37	1.2	2KJ8504-2JB	■ -4 ■ M1 -Z	47	-	-
	17.7 ... 177	162	16.98	1.4	2KJ8504-2JB	■ -4 ■ L1 -Z	47	-	-
	19.5 ... 195	147	15.41	1.5	2KJ8504-2JB	■ -4 ■ K1 -Z	47	-	-
	21 ... 207	138	14.5	1.6	2KJ8504-2JB	■ -4 ■ J1 -Z	47	-	-
	23 ... 235	122	12.78	1.8	2KJ8504-2JB	■ -4 ■ H1 -Z	47	-	-
	27 ... 271	106	11.09	2.1	2KJ8504-2JB	■ -4 ■ G1 -Z	47	-	-
	30 ... 299	96	10.04	1.9	2KJ8504-2JB	■ -4 ■ F1 -Z	47	-	-
	34 ... 341	84	8.81	2.2	2KJ8504-2JB	■ -4 ■ E1 -Z	47	-	-
	38 ... 375	76	7.99	2.3	2KJ8504-2JB	■ -4 ■ D1 -Z	47	-	-
	40 ... 399	72	7.52	2.4	2KJ8504-2JB	■ -4 ■ C1 -Z	47	-	-
	45 ... 452	63	6.63	2.5	2KJ8504-2JB	■ -4 ■ B1 -Z	47	-	-
	52 ... 522	55	5.75	2.7	2KJ8504-2JB	■ -4 ■ A1 -Z	47	-	-
	B.39-LE100LA.								
	10.9 ... 109	260	27.5	0.95	2KJ8502-2JB	■ -4 ■ S1 -Z	47	-	-
	12 ... 120	235	25	1	2KJ8502-2JB	■ -4 ■ R1 -Z	47	-	-
	13.7 ... 137	205	21.9	1.2	2KJ8502-2JB	■ -4 ■ Q1 -Z	47	-	-
	14.8 ... 148	193	20.21	1.3	2KJ8502-2JB	■ -4 ■ P1 -Z	47	-	-
	16.8 ... 168	171	17.9	1.5	2KJ8502-2JB	■ -4 ■ N1 -Z	47	-	-
	20 ... 201	142	14.9	1.8	2KJ8502-2JB	■ -4 ■ M1 -Z	47	-	-
	21 ... 214	134	14.02	1.9	2KJ8502-2JB	■ -4 ■ L1 -Z	47	-	-
	24 ... 239	120	12.56	2.1	2KJ8502-2JB	■ -4 ■ K1 -Z	47	-	-
	28 ... 281	102	10.69	2.4	2KJ8502-2JB	■ -4 ■ J1 -Z	47	-	-
	33 ... 327	88	9.17	2.6	2KJ8502-2JB	■ -4 ■ H1 -Z	47	-	-
	38 ... 380	75	7.89	2.9	2KJ8502-2JB	■ -4 ■ G1 -Z	47	-	-
	45 ... 455	63	6.6	3.2	2KJ8502-2JB	■ -4 ■ F1 -Z	47	-	-
	48 ... 483	59	6.21	3.4	2KJ8502-2JB	■ -4 ■ E1 -Z	47	-	-
	54 ... 540	53	5.56	3.8	2KJ8502-2JB	■ -4 ■ D1 -Z	47	-	-
	B.39-LE112MA.								
	10.9 ... 109	260	27.5	0.95	-	-	2KJ8502-4LC	■ -4 ■ S1 -Z	53
	12 ... 120	235	25	1	-	-	2KJ8502-4LC	■ -4 ■ R1 -Z	53
	13.7 ... 137	205	21.9	1.2	-	-	2KJ8502-4LC	■ -4 ■ Q1 -Z	53
	14.8 ... 148	193	20.21	1.3	-	-	2KJ8502-4LC	■ -4 ■ P1 -Z	53
	16.8 ... 168	171	17.9	1.5	-	-	2KJ8502-4LC	■ -4 ■ N1 -Z	53
	20 ... 201	142	14.9	1.8	-	-	2KJ8502-4LC	■ -4 ■ M1 -Z	53
	21 ... 214	134	14.02	1.9	-	-	2KJ8502-4LC	■ -4 ■ L1 -Z	53
	24 ... 239	120	12.56	2.1	-	-	2KJ8502-4LC	■ -4 ■ K1 -Z	53
	28 ... 281	102	10.69	2.4	-	-	2KJ8502-4LC	■ -4 ■ J1 -Z	53
	33 ... 327	88	9.17	2.6	-	-	2KJ8502-4LC	■ -4 ■ H1 -Z	53
	38 ... 380	75	7.89	2.9	-	-	2KJ8502-4LC	■ -4 ■ G1 -Z	53
	45 ... 455	63	6.6	3.2	-	-	2KJ8502-4LC	■ -4 ■ F1 -Z	53
	48 ... 483	59	6.21	3.4	-	-	2KJ8502-4LC	■ -4 ■ E1 -Z	53
	54 ... 540	53	5.56	3.8	-	-	2KJ8502-4LC	■ -4 ■ D1 -Z	53
	B.29-LE100LA.								
	21 ... 208	138	14.4	0.8	2KJ8501-2JB	■ -4 ■ P1 -Z	42	-	-
	24 ... 238	121	12.63	0.91	2KJ8501-2JB	■ -4 ■ N1 -Z	42	-	-
	26 ... 262	109	11.46	1	2KJ8501-2JB	■ -4 ■ M1 -Z	42	-	-
	28 ... 278	103	10.78	1.1	2KJ8501-2JB	■ -4 ■ L1 -Z	42	-	-
	32 ... 315	91	9.51	1.2	2KJ8501-2JB	■ -4 ■ K1 -Z	42	-	-
	36 ... 364	79	8.25	1.4	2KJ8501-2JB	■ -4 ■ J1 -Z	42	-	-
	38 ... 383	75	7.84	1	2KJ8501-2JB	■ -4 ■ H1 -Z	42	-	-
	41 ... 407	70	7.38	1.1	2KJ8501-2JB	■ -4 ■ G1 -Z	42	-	-

Article No. supplements

Motor temperature sensor	without with Pt1000	0 1	Order code 1, 2 or 3 B, C, D, E, F or G	Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	0 1	Order code 1, 2 or 3 B, C, D, E, F or G
Converter fieldbus communication	see Seite 5/2						
Special versions	see Chapter 4 „Additional Order options“						
				

Bevel geared motors

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor Drehzahlbereich 300 ... 3000 rpm										
P _N	n ₂	T ₂	i	f _B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
					Article No.	m		Article No.	m	
kW	rpm	Nm	-	-	(Article No. supplements see below)	kg		(Article No. supplements see below)	kg	
3	B.29-LE100LA.									
46 ... 461	62	6.51	1.2		2KJ8501-2JB	■ ■ -4 ■ F1	-Z	42	-	-
53 ... 531	54	5.65	1.4		2KJ8501-2JB	■ ■ -4 ■ E1	-Z	42	-	-
59 ... 592	48	5.07	1.5		2KJ8501-2JB	■ ■ -4 ■ D1	-Z	42	-	-
63 ... 628	46	4.78	1.6		2KJ8501-2JB	■ ■ -4 ■ C1	-Z	42	-	-
71 ... 713	40	4.21	1.8		2KJ8501-2JB	■ ■ -4 ■ B1	-Z	42	-	-
82 ... 822	35	3.65	2.1		2KJ8501-2JB	■ ■ -4 ■ A1	-Z	42	-	-
4	K.109-LE112MB.									
1.4 ... 13.8	2750	216.65	1.1	-	-	-	-	2KJ8511-4LH	■ ■ -4 ■ H2	-Z 129
1.5 ... 15.3	2490	195.6	1.2	-	-	-	-	2KJ8511-4LH	■ ■ -4 ■ G2	-Z 129
1.7 ... 16.9	2250	177.43	1.3	-	-	-	-	2KJ8511-4LH	■ ■ -4 ■ F2	-Z 129
1.8 ... 18.3	2080	163.78	1.4	-	-	-	-	2KJ8511-4LH	■ ■ -4 ■ E2	-Z 129
2 ... 20	1890	148.88	1.5	-	-	-	-	2KJ8511-4LH	■ ■ -4 ■ D2	-Z 129
2.4 ... 24	1600	126.07	1.8	-	-	-	-	2KJ8511-4LH	■ ■ -4 ■ C2	-Z 129
2.5 ... 25	1510	118.65	1.9	-	-	-	-	2KJ8511-4LH	■ ■ -4 ■ B2	-Z 129
2.7 ... 27	1390	109.57	2.1	-	-	-	-	2KJ8511-4LH	■ ■ -4 ■ A2	-Z 129
3.1 ... 31	1240	97.49	2.3	-	-	-	-	2KJ8511-4LH	■ ■ -4 ■ X1	-Z 129
3.5 ... 35	1100	86.59	2.6	-	-	-	-	2KJ8511-4LH	■ ■ -4 ■ W1	-Z 129
3.9 ... 39	985	77.51	2.9	-	-	-	-	2KJ8511-4LH	■ ■ -4 ■ V1	-Z 129
K.109-LE100LB.										
1.4 ... 13.8	2750	216.65	1.1	-	2KJ8511-2JG	■ ■ -4 ■ H2	-Z	125	-	-
1.5 ... 15.3	2490	195.6	1.2	-	2KJ8511-2JG	■ ■ -4 ■ G2	-Z	125	-	-
1.7 ... 16.9	2.250	177.43	1.3	-	2KJ8511-2JG	■ ■ -4 ■ F2	-Z	125	-	-
1.8 ... 18.3	2080	163.78	1.4	-	2KJ8511-2JG	■ ■ -4 ■ E2	-Z	125	-	-
2 ... 20	1890	148.88	1.5	-	2KJ8511-2JG	■ ■ -4 ■ D2	-Z	125	-	-
2.4 ... 24	1600	126.07	1.8	-	2KJ8511-2JG	■ ■ -4 ■ C2	-Z	125	-	-
2.5 ... 25	1510	118.65	1.9	-	2KJ8511-2JG	■ ■ -4 ■ B2	-Z	125	-	-
2.7 ... 27	1390	109.57	2.1	-	2KJ8511-2JG	■ ■ -4 ■ A2	-Z	125	-	-
3.1 ... 31	1240	97.49	2.3	-	2KJ8511-2JG	■ ■ -4 ■ X1	-Z	125	-	-
3.5 ... 35	1100	86.59	2.6	-	2KJ8511-2JG	■ ■ -4 ■ W1	-Z	125	-	-
3.9 ... 39	985	77.51	2.9	-	2KJ8511-2JG	■ ■ -4 ■ V1	-Z	125	-	-
K.89-LE112MB.										
2 ... 19.5	1950	153.7	0.82	-	-	-	-	2KJ8510-4LH	■ ■ -4 ■ F2	-Z 93
2.1 ... 21	1800	141.88	0.89	-	-	-	-	2KJ8510-4LH	■ ■ -4 ■ E2	-Z 93
2.3 ... 23	1650	129.96	0.97	-	-	-	-	2KJ8510-4LH	■ ■ -4 ■ D2	-Z 93
2.8 ... 28	1380	109.04	1.2	-	-	-	-	2KJ8510-4LH	■ ■ -4 ■ C2	-Z 93
2.9 ... 29	1300	102.63	1.2	-	-	-	-	2KJ8510-4LH	■ ■ -4 ■ B2	-Z 93
3.2 ... 32	1190	94.16	1.3	-	-	-	-	2KJ8510-4LH	■ ■ -4 ■ A2	-Z 93
3.6 ... 36	1040	82.25	1.5	-	-	-	-	2KJ8510-4LH	■ ■ -4 ■ X1	-Z 93
4.1 ... 41	935	73.64	1.7	-	-	-	-	2KJ8510-4LH	■ ■ -4 ■ W1	-Z 93
4.7 ... 47	820	64.39	2	-	-	-	-	2KJ8510-4LH	■ ■ -4 ■ V1	-Z 93
5.4 ... 54	700	55.27	2.3	-	-	-	-	2KJ8510-4LH	■ ■ -4 ■ U1	-Z 93
6.1 ... 61	620	48.85	2.6	-	-	-	-	2KJ8510-4LH	■ ■ -4 ■ T1	-Z 93
7.2 ... 72	525	41.54	3	-	-	-	-	2KJ8510-4LH	■ ■ -4 ■ S1	-Z 93
7.6 ... 76	500	39.29	3.2	-	-	-	-	2KJ8510-4LH	■ ■ -4 ■ R1	-Z 93
K.89-LE100LB.										
2 ... 19.5	1950	153.7	0.82	-	2KJ8510-2JG	■ ■ -4 ■ F2	-Z	90	-	-
2.1 ... 21	1800	141.88	0.89	-	2KJ8510-2JG	■ ■ -4 ■ E2	-Z	90	-	-
2.3 ... 23	1650	129.96	0.97	-	2KJ8510-2JG	■ ■ -4 ■ D2	-Z	90	-	-
2.8 ... 28	1380	109.04	1.2	-	2KJ8510-2JG	■ ■ -4 ■ C2	-Z	90	-	-
2.9 ... 29	1300	102.63	1.2	-	2KJ8510-2JG	■ ■ -4 ■ B2	-Z	90	-	-
3.2 ... 32	1190	94.16	1.3	-	2KJ8510-2JG	■ ■ -4 ■ A2	-Z	90	-	-
3.6 ... 36	1040	82.25	1.5	-	2KJ8510-2JG	■ ■ -4 ■ X1	-Z	90	-	-
4.1 ... 41	935	73.64	1.7	-	2KJ8510-2JG	■ ■ -4 ■ W1	-Z	90	-	-
4.7 ... 47	820	64.39	2	-	2KJ8510-2JG	■ ■ -4 ■ V1	-Z	90	-	-
5.4 ... 54	700	55.27	2.3	-	2KJ8510-2JG	■ ■ -4 ■ U1	-Z	90	-	-
6.1 ... 61	620	48.85	2.6	-	2KJ8510-2JG	■ ■ -4 ■ T1	-Z	90	-	-
7.2 ... 72	525	41.54	3	-	2KJ8510-2JG	■ ■ -4 ■ S1	-Z	90	-	-
7.6 ... 76	500	39.29	3.2	-	2KJ8510-2JG	■ ■ -4 ■ R1	-Z	90	-	-

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	1, 2 or 3	1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions see Chapter 4 „Additional Order options“		...+...	...+...

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor Drehzahlbereich 300 ... 3000 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
4								
K.79-LE112MB.								
3.9 ... 39	980	76.94	0.84	-	-	-	2KJ8508-4LH	73
4.6 ... 46	830	65.47	0.98	-	-	-	2KJ8508-4LH	73
5.3 ... 53	710	56.08	1.1	-	-	-	2KJ8508-4LH	73
6.1 ... 61	625	49.31	1.3	-	-	-	2KJ8508-4LH	73
7.2 ... 72	530	41.6	1.5	-	-	-	2KJ8508-4LH	73
8.3 ... 83	460	36.26	1.7	-	-	-	2KJ8508-4LH	73
9.2 ... 92	415	32.78	2	-	-	-	2KJ8508-4LH	73
11 ... 110	345	27.2	2.3	-	-	-	2KJ8508-4LH	73
11.7 ... 117	325	25.6	2.4	-	-	-	2KJ8508-4LH	73
12.4 ... 124	305	24.17	2.5	-	-	-	2KJ8508-4LH	73
14.6 ... 146	260	20.57	2.8	-	-	-	2KJ8508-4LH	73
17 ... 170	220	17.62	3.2	-	-	-	2KJ8508-4LH	73
19.4 ... 194	197	15.49	3.5	-	-	-	2KJ8508-4LH	73
29 ... 285	134	10.51	3.3	-	-	-	2KJ8508-4LH	73
33 ... 333	115	9.01	3.9	-	-	-	2KJ8508-4LH	73
K.79-LE100LB.								
3.9 ... 39	980	76.94	0.84	-	2KJ8508-2JG	69	-	-
4.6 ... 46	830	65.47	0.98	-	2KJ8508-2JG	69	-	-
5.3 ... 53	710	56.08	1.1	-	2KJ8508-2JG	69	-	-
6.1 ... 61	625	49.31	1.3	-	2KJ8508-2JG	69	-	-
7.2 ... 72	530	41.6	1.5	-	2KJ8508-2JG	69	-	-
8.3 ... 83	460	36.26	1.7	-	2KJ8508-2JG	69	-	-
9.2 ... 92	415	32.78	2	-	2KJ8508-2JG	69	-	-
11 ... 110	345	27.2	2.3	-	2KJ8508-2JG	69	-	-
11.7 ... 117	325	25.6	2.4	-	2KJ8508-2JG	69	-	-
12.4 ... 124	305	24.17	2.5	-	2KJ8508-2JG	69	-	-
14.6 ... 146	260	20.57	2.8	-	2KJ8508-2JG	69	-	-
17 ... 170	220	17.62	3.2	-	2KJ8508-2JG	69	-	-
19.4 ... 194	197	15.49	3.5	-	2KJ8508-2JG	69	-	-
29 ... 285	134	10.51	3.3	-	2KJ8508-2JG	69	-	-
33 ... 333	115	9.01	3.9	-	2KJ8508-2JG	69	-	-
K.69-LE100LB.								
5.7 ... 57	670	52.69	0.89	-	2KJ8507-2JG	63	-	-
6.6 ... 66	575	45.14	1	-	2KJ8507-2JG	63	-	-
7.6 ... 76	505	39.69	1.2	-	2KJ8507-2JG	63	-	-
9 ... 90	425	33.48	1.4	-	2KJ8507-2JG	63	-	-
10.3 ... 103	370	29.18	1.5	-	2KJ8507-2JG	63	-	-
11.5 ... 115	330	26.05	1.8	-	2KJ8507-2JG	63	-	-
12.2 ... 122	310	24.52	1.9	-	2KJ8507-2JG	63	-	-
13 ... 130	295	23.15	2	-	2KJ8507-2JG	63	-	-
15.2 ... 152	250	19.7	2.2	-	2KJ8507-2JG	63	-	-
17.8 ... 178	215	16.88	2.5	-	2KJ8507-2JG	63	-	-
20 ... 202	189	14.84	2.7	-	2KJ8507-2JG	63	-	-
24 ... 240	159	12.52	3.1	-	2KJ8507-2JG	63	-	-
27 ... 275	139	10.91	3.4	-	2KJ8507-2JG	63	-	-
32 ... 321	119	9.34	3.1	-	2KJ8507-2JG	63	-	-
37 ... 375	102	8.01	3.6	-	2KJ8507-2JG	63	-	-
43 ... 426	90	7.04	4.1	-	2KJ8507-2JG	63	-	-
K.69-LE112MB.								
5.7 ... 57	670	52.69	0.89	-	-	-	2KJ8507-4LH	67
6.6 ... 66	575	45.14	1	-	-	-	2KJ8507-4LH	67
7.6 ... 76	505	39.69	1.2	-	-	-	2KJ8507-4LH	67
9 ... 90	425	33.48	1.4	-	-	-	2KJ8507-4LH	67
10.3 ... 103	370	29.18	1.5	-	-	-	2KJ8507-4LH	67
11.5 ... 115	330	26.05	1.8	-	-	-	2KJ8507-4LH	67
12.2 ... 122	310	24.52	1.9	-	-	-	2KJ8507-4LH	67
13 ... 130	295	23.15	2	-	-	-	2KJ8507-4LH	67
15.2 ... 152	250	19.7	2.2	-	-	-	2KJ8507-4LH	67

Article No. supplements		Order code	Order code
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	1, 2 or 3	1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions see Chapter 4 „Additional Order options“		...+...	...+...

Bevel geared motors

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor Drehzahlbereich 300 ... 3000 rpm											
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4			
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	Article No.	m	
4					(Article No. supplements see below)	kg	(Article No. supplements see below)	kg	(Article No. supplements see below)	kg	
K.69-LE112MB.											
17.8 ... 178	215	16.88	2.5	-	-	-	2KJ8507-4LH	-4	J1	-Z	67
20 ... 202	189	14.84	2.7	-	-	-	2KJ8507-4LH	-4	H1	-Z	67
24 ... 240	159	12.52	3.1	-	-	-	2KJ8507-4LH	-4	G1	-Z	67
27 ... 275	139	10.91	3.4	-	-	-	2KJ8507-4LH	-4	F1	-Z	67
32 ... 321	119	9.34	3.1	-	-	-	2KJ8507-4LH	-4	E1	-Z	67
37 ... 375	102	8.01	3.6	-	-	-	2KJ8507-4LH	-4	D1	-Z	67
43 ... 426	90	7.04	4.1	-	-	-	2KJ8507-4LH	-4	C1	-Z	67
K.49-LE100LB.											
7.9 ... 79	480	38	0.87	-	2KJ8505-2JG	-4	S1	-Z	-	-	
9.2 ... 92	415	32.57	1	-	2KJ8505-2JG	-4	R1	-Z	-	-	
10.7 ... 107	355	28.05	1.2	-	2KJ8505-2JG	-4	Q1	-Z	-	-	
11.4 ... 114	335	26.3	1.3	-	2KJ8505-2JG	-4	P1	-Z	-	-	
12.9 ... 129	295	23.28	1.4	-	2KJ8505-2JG	-4	N1	-Z	-	-	
15.5 ... 155	245	19.38	1.7	-	2KJ8505-2JG	-4	M1	-Z	-	-	
16.4 ... 164	230	18.24	1.8	-	2KJ8505-2JG	-4	L1	-Z	-	-	
18.4 ... 184	205	16.34	2	-	2KJ8505-2JG	-4	K1	-Z	-	-	
22 ... 216	177	13.91	2.4	-	2KJ8505-2JG	-4	J1	-Z	-	-	
25 ... 251	152	11.93	2.8	-	2KJ8505-2JG	-4	H1	-Z	-	-	
29 ... 292	131	10.27	3.2	-	2KJ8505-2JG	-4	G1	-Z	-	-	
31 ... 308	124	9.75	2.2	-	2KJ8505-2JG	-4	F1	-Z	-	-	
33 ... 327	117	9.18	2.3	-	2KJ8505-2JG	-4	E1	-Z	-	-	
36 ... 365	105	8.22	2.4	-	2KJ8505-2JG	-4	D1	-Z	-	-	
43 ... 429	89	7	2.7	-	2KJ8505-2JG	-4	C1	-Z	-	-	
50 ... 500	76	6	2.9	-	2KJ8505-2JG	-4	B1	-Z	-	-	
58 ... 580	66	5.17	3.2	-	2KJ8505-2JG	-4	A1	-Z	-	-	
K.49-LE112MB.											
7.9 ... 79	480	38	0.87	-	-	-	2KJ8505-4LH	-4	S1	-Z	61
9.2 ... 92	415	32.57	1	-	-	-	2KJ8505-4LH	-4	R1	-Z	61
10.7 ... 107	355	28.05	1.2	-	-	-	2KJ8505-4LH	-4	Q1	-Z	61
11.4 ... 114	335	26.3	1.3	-	-	-	2KJ8505-4LH	-4	P1	-Z	61
12.9 ... 129	295	23.28	1.4	-	-	-	2KJ8505-4LH	-4	N1	-Z	61
15.5 ... 155	245	19.38	1.7	-	-	-	2KJ8505-4LH	-4	M1	-Z	61
16.4 ... 164	230	18.24	1.8	-	-	-	2KJ8505-4LH	-4	L1	-Z	61
18.4 ... 184	205	16.34	2	-	-	-	2KJ8505-4LH	-4	K1	-Z	61
22 ... 216	177	13.91	2.4	-	-	-	2KJ8505-4LH	-4	J1	-Z	61
25 ... 251	152	11.93	2.8	-	-	-	2KJ8505-4LH	-4	H1	-Z	61
29 ... 292	131	10.27	3.2	-	-	-	2KJ8505-4LH	-4	G1	-Z	61
31 ... 308	124	9.75	2.2	-	-	-	2KJ8505-4LH	-4	F1	-Z	61
33 ... 327	117	9.18	2.3	-	-	-	2KJ8505-4LH	-4	E1	-Z	61
36 ... 365	105	8.22	2.4	-	-	-	2KJ8505-4LH	-4	D1	-Z	61
43 ... 429	89	7	2.7	-	-	-	2KJ8505-4LH	-4	C1	-Z	61
50 ... 500	76	6	2.9	-	-	-	2KJ8505-4LH	-4	B1	-Z	61
58 ... 580	66	5.17	3.2	-	-	-	2KJ8505-4LH	-4	A1	-Z	61
B.49-LE112MB.											
8.1 ... 81	470	37.18	0.95	-	-	-	2KJ8503-4LH	-4	W1	-Z	58
9 ... 90	420	33.33	1.1	-	-	-	2KJ8503-4LH	-4	V1	-Z	58
10 ... 100	380	30.05	1.2	-	-	-	2KJ8503-4LH	-4	U1	-Z	58
10.8 ... 108	350	27.74	1.3	-	-	-	2KJ8503-4LH	-4	T1	-Z	58
11.8 ... 118	320	25.32	1.4	-	-	-	2KJ8503-4LH	-4	S1	-Z	58
14.3 ... 143	265	21.01	1.7	-	-	-	2KJ8503-4LH	-4	R1	-Z	58
15.2 ... 152	250	19.77	1.8	-	-	-	2KJ8503-4LH	-4	Q1	-Z	58
16.1 ... 161	235	18.67	1.9	-	-	-	2KJ8503-4LH	-4	P1	-Z	58
18.9 ... 189	200	15.89	2.2	-	-	-	2KJ8503-4LH	-4	N1	-Z	58
22 ... 220	173	13.61	2.6	-	-	-	2KJ8503-4LH	-4	M1	-Z	58
25 ... 251	152	11.97	3	-	-	-	2KJ8503-4LH	-4	L1	-Z	58
K.49-LE100LB.											
30 ... 297	129	10.1	3.5	-	-	-	2KJ8503-4LH	-4	K1	-Z	58
34 ... 341	112	8.8	4	-	-	-	2KJ8503-4LH	-4	J1	-Z	58

Article No. supplements		Order code	Order code
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	1, 2 or 3	1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...	...+...

Innometrics SG G115D · Control range 1:10 / Motor Drehzahlbereich 300 ... 3000 rpm

P_N kW	n_2 rpm	T_2 Nm	i -	f_B -	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4		
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg	
4									
K.49-LE100LB.									
	36 ... 362	106	8.29	3.1	-	-	2KJ8503-4LH	■ ■ -4 ■ H1 -Z	58
	38 ... 385	99	7.8	3.3	-	-	2KJ8503-4LH	■ ■ -4 ■ G1 -Z	58
	41 ... 407	94	7.37	3.5	-	-	2KJ8503-4LH	■ ■ -4 ■ F1 -Z	58
	48 ... 478	80	6.27	4.1	-	-	2KJ8503-4LH	■ ■ -4 ■ E1 -Z	58
B.49-LE100LB.									
	8.1 ... 81	470	37.18	0.95	2KJ8503-2JG	■ ■ -4 ■ W1 -Z	54	-	-
	9 ... 90	420	33.33	1.1	2KJ8503-2JG	■ ■ -4 ■ V1 -Z	54	-	-
	10 ... 100	380	30.05	1.2	2KJ8503-2JG	■ ■ -4 ■ U1 -Z	54	-	-
	10.8 ... 108	350	27.74	1.3	2KJ8503-2JG	■ ■ -4 ■ T1 -Z	54	-	-
	11.8 ... 118	320	25.32	1.4	2KJ8503-2JG	■ ■ -4 ■ S1 -Z	54	-	-
	14.3 ... 143	265	21.01	1.7	2KJ8503-2JG	■ ■ -4 ■ R1 -Z	54	-	-
	15.2 ... 152	250	19.77	1.8	2KJ8503-2JG	■ ■ -4 ■ Q1 -Z	54	-	-
	16.1 ... 161	235	18.67	1.9	2KJ8503-2JG	■ ■ -4 ■ P1 -Z	54	-	-
	18.9 ... 189	200	15.89	2.2	2KJ8503-2JG	■ ■ -4 ■ N1 -Z	54	-	-
	22 ... 220	173	13.61	2.6	2KJ8503-2JG	■ ■ -4 ■ M1 -Z	54	-	-
	25 ... 251	152	11.97	3	2KJ8503-2JG	■ ■ -4 ■ L1 -Z	54	-	-
	30 ... 297	129	10.1	3.5	2KJ8503-2JG	■ ■ -4 ■ K1 -Z	54	-	-
	34 ... 341	112	8.8	4	2KJ8503-2JG	■ ■ -4 ■ J1 -Z	54	-	-
	36 ... 362	106	8.29	3.1	2KJ8503-2JG	■ ■ -4 ■ H1 -Z	54	-	-
	38 ... 385	99	7.8	3.3	2KJ8503-2JG	■ ■ -4 ■ G1 -Z	54	-	-
	41 ... 407	94	7.37	3.5	2KJ8503-2JG	■ ■ -4 ■ F1 -Z	54	-	-
	48 ... 478	80	6.27	4.1	2KJ8503-2JG	■ ■ -4 ■ E1 -Z	54	-	-
K.39-LE112MB.									
	15.5 ... 155	245	19.37	0.89	-	-	2KJ8504-4LH	■ ■ -4 ■ M1 -Z	54
	17.7 ... 177	215	16.98	1	-	-	2KJ8504-4LH	■ ■ -4 ■ L1 -Z	54
	19.5 ... 195	196	15.41	1.1	-	-	2KJ8504-4LH	■ ■ -4 ■ K1 -Z	54
	21 ... 207	185	14.5	1.2	-	-	2KJ8504-4LH	■ ■ -4 ■ J1 -Z	54
	23 ... 235	163	12.78	1.4	-	-	2KJ8504-4LH	■ ■ -4 ■ H1 -Z	54
	27 ... 271	141	11.09	1.6	-	-	2KJ8504-4LH	■ ■ -4 ■ G1 -Z	54
	30 ... 299	128	10.04	1.4	-	-	2KJ8504-4LH	■ ■ -4 ■ F1 -Z	54
	34 ... 341	112	8.81	1.6	-	-	2KJ8504-4LH	■ ■ -4 ■ E1 -Z	54
	38 ... 375	102	7.99	1.7	-	-	2KJ8504-4LH	■ ■ -4 ■ D1 -Z	54
	40 ... 399	96	7.52	1.8	-	-	2KJ8504-4LH	■ ■ -4 ■ C1 -Z	54
	45 ... 452	84	6.63	1.9	-	-	2KJ8504-4LH	■ ■ -4 ■ B1 -Z	54
	52 ... 522	73	5.75	2	-	-	2KJ8504-4LH	■ ■ -4 ■ A1 -Z	54
K.39-LE100LB.									
	15.5 ... 155	245	19.37	0.89	2KJ8504-2JG	■ ■ -4 ■ M1 -Z	47	-	-
	17.7 ... 177	215	16.98	1	2KJ8504-2JG	■ ■ -4 ■ L1 -Z	47	-	-
	19.5 ... 195	196	15.41	1.1	2KJ8504-2JG	■ ■ -4 ■ K1 -Z	47	-	-
	21 ... 207	185	14.5	1.2	2KJ8504-2JG	■ ■ -4 ■ J1 -Z	47	-	-
	23 ... 235	163	12.78	1.4	2KJ8504-2JG	■ ■ -4 ■ H1 -Z	47	-	-
	27 ... 271	141	11.09	1.6	2KJ8504-2JG	■ ■ -4 ■ G1 -Z	47	-	-
	30 ... 299	128	10.04	1.4	2KJ8504-2JG	■ ■ -4 ■ F1 -Z	47	-	-
	34 ... 341	112	8.81	1.6	2KJ8504-2JG	■ ■ -4 ■ E1 -Z	47	-	-
	38 ... 375	102	7.99	1.7	2KJ8504-2JG	■ ■ -4 ■ D1 -Z	47	-	-
	40 ... 399	96	7.52	1.8	2KJ8504-2JG	■ ■ -4 ■ C1 -Z	47	-	-
	45 ... 452	84	6.63	1.9	2KJ8504-2JG	■ ■ -4 ■ B1 -Z	47	-	-
	52 ... 522	73	5.75	2	2KJ8504-2JG	■ ■ -4 ■ A1 -Z	47	-	-
B.39-LE112MB.									
	13.7 ... 137	275	21.9	0.9	-	-	2KJ8502-4LH	■ ■ -4 ■ Q1 -Z	53
	14.8 ... 148	255	20.21	0.97	-	-	2KJ8502-4LH	■ ■ -4 ■ P1 -Z	53
	16.8 ... 168	225	17.9	1.1	-	-	2KJ8502-4LH	■ ■ -4 ■ N1 -Z	53
	20 ... 201	190	14.9	1.3	-	-	2KJ8502-4LH	■ ■ -4 ■ M1 -Z	53
	21 ... 214	179	14.02	1.4	-	-	2KJ8502-4LH	■ ■ -4 ■ L1 -Z	53
	24 ... 239	160	12.56	1.6	-	-	2KJ8502-4LH	■ ■ -4 ■ K1 -Z	53
	28 ... 281	136	10.69	1.8	-	-	2KJ8502-4LH	■ ■ -4 ■ J1 -Z	53
	33 ... 327	117	9.17	2	-	-	2KJ8502-4LH	■ ■ -4 ■ H1 -Z	53
	38 ... 380	100	7.89	2.2	-	-	2KJ8502-4LH	■ ■ -4 ■ G1 -Z	53

Article No. supplements

Motor temperature sensor

without
with Pt10000
1

Motor brake

(brake voltage 180 V DC)

without
with see Seite 5/21, 2 or 3
B, C, D, E, F or G

Converter fieldbus communication see Seite 5/2

Special versions see Chapter 4 „Additional Order options“

Order code

0
11, 2 or 3
B, C, D, E, F or G

Order code

0
11, 2 or 3
B, C, D, E, F or G

...+...

...+...

Bevel geared motors

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor Drehzahlbereich 300 ... 3000 rpm											
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4			
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	Article No.	m	
					(Article No. supplements see below)			(Article No. supplements see below)			
4	B.39-LE112MB.										
45 ... 455	84	6.6	2.4	-	-	-	2KJ8502-4LH	■ ■ -4	■ F1	-Z	53
48 ... 483	79	6.21	2.5	-	-	-	2KJ8502-4LH	■ ■ -4	■ E1	-Z	53
54 ... 540	71	5.56	2.8	-	-	-	2KJ8502-4LH	■ ■ -4	■ D1	-Z	53
63 ... 633	60	4.74	3.3	-	-	-	2KJ8502-4LH	■ ■ -4	■ C1	-Z	53
74 ... 739	52	4.06	3.9	-	-	-	2KJ8502-4LH	■ ■ -4	■ B1	-Z	53
86 ... 857	45	3.5	4.3	-	-	-	2KJ8502-4LH	■ ■ -4	■ A1	-Z	53
B.39-LE100LB.											
13.7 ... 137	275	21.9	0.9	2KJ8502-2JG	■ ■ -4	■ Q1	-Z	47	-	-	
14.8 ... 148	255	20.21	0.97	2KJ8502-2JG	■ ■ -4	■ P1	-Z	47	-	-	
16.8 ... 168	225	17.9	1.1	2KJ8502-2JG	■ ■ -4	■ N1	-Z	47	-	-	
20 ... 201	190	14.9	1.3	2KJ8502-2JG	■ ■ -4	■ M1	-Z	47	-	-	
21 ... 214	179	14.02	1.4	2KJ8502-2JG	■ ■ -4	■ L1	-Z	47	-	-	
24 ... 239	160	12.56	1.6	2KJ8502-2JG	■ ■ -4	■ K1	-Z	47	-	-	
28 ... 281	136	10.69	1.8	2KJ8502-2JG	■ ■ -4	■ J1	-Z	47	-	-	
33 ... 327	117	9.17	2	2KJ8502-2JG	■ ■ -4	■ H1	-Z	47	-	-	
38 ... 380	100	7.89	2.2	2KJ8502-2JG	■ ■ -4	■ G1	-Z	47	-	-	
45 ... 455	84	6.6	2.4	2KJ8502-2JG	■ ■ -4	■ F1	-Z	47	-	-	
48 ... 483	79	6.21	2.5	2KJ8502-2JG	■ ■ -4	■ E1	-Z	47	-	-	
54 ... 540	71	5.56	2.8	2KJ8502-2JG	■ ■ -4	■ D1	-Z	47	-	-	
63 ... 633	60	4.74	3.3	2KJ8502-2JG	■ ■ -4	■ C1	-Z	47	-	-	
74 ... 739	52	4.06	3.9	2KJ8502-2JG	■ ■ -4	■ B1	-Z	47	-	-	
86 ... 857	45	3.5	4.3	2KJ8502-2JG	■ ■ -4	■ A1	-Z	47	-	-	
B.29-LE100LB.											
28 ... 278	137	10.78	0.8	2KJ8501-2JG	■ ■ -4	■ L1	-Z	42	-	-	
32 ... 315	121	9.51	0.91	2KJ8501-2JG	■ ■ -4	■ K1	-Z	42	-	-	
36 ... 364	105	8.25	1	2KJ8501-2JG	■ ■ -4	■ J1	-Z	42	-	-	
41 ... 407	94	7.38	0.8	2KJ8501-2JG	■ ■ -4	■ G1	-Z	42	-	-	
46 ... 461	83	6.51	0.9	2KJ8501-2JG	■ ■ -4	■ F1	-Z	42	-	-	
53 ... 531	72	5.65	1	2KJ8501-2JG	■ ■ -4	■ E1	-Z	42	-	-	
59 ... 592	65	5.07	1.1	2KJ8501-2JG	■ ■ -4	■ D1	-Z	42	-	-	
63 ... 628	61	4.78	1.2	2KJ8501-2JG	■ ■ -4	■ C1	-Z	42	-	-	
71 ... 713	54	4.21	1.4	2KJ8501-2JG	■ ■ -4	■ B1	-Z	42	-	-	
Article No. supplements											
Motor temperature sensor	without		0							Order code	
	with Pt1000		1								
Motor brake	without		0							Order code	
(brake voltage 180 V DC)	with see Seite 5/2		1, 2 or 3								
Converter fieldbus communication	see Seite 5/2		B, C, D, E, F or G								
Special versions	see Chapter 4 „Additional Order options“		...								

5

Innomotics SG G115D · Control range 1:8.7 / Motor Drehzahlbereich 300 ... 2610 rpm

P_N kW	n_2 rpm	T_2 Nm	i -	f_B -	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4			
					Article No. (Article No. supplements see below)	m kg		Article No. (Article No. supplements see below)	m kg		
0.64											
K.89-LE71MB.											
1.3 ... 11.3	540	231.8	2.9		2KJ8510-2CG	■ ■ -5	■ K2	-Z	63	-	-
K.79-LE71MB.											
1.2 ... 10.7	570	244.25	1.4		2KJ8508-2CG	■ ■ -5	■ J2	-Z	42	-	-
1.4 ... 11.8	520	222.05	1.6		2KJ8508-2CG	■ ■ -5	■ H2	-Z	42	-	-
1.6 ... 13.8	440	188.85	1.9		2KJ8508-2CG	■ ■ -5	■ G2	-Z	42	-	-
1.7 ... 15.2	400	171.69	2		2KJ8508-2CG	■ ■ -5	■ F2	-Z	42	-	-
2 ... 17	355	153.18	2.3		2KJ8508-2CG	■ ■ -5	■ E2	-Z	42	-	-
2.2 ... 19	320	137.35	2.5		2KJ8508-2CG	■ ■ -5	■ D2	-Z	42	-	-
2.4 ... 21	290	123.8	2.8		2KJ8508-2CG	■ ■ -5	■ C2	-Z	42	-	-
2.6 ... 23	265	114.28	3.1		2KJ8508-2CG	■ ■ -5	■ B2	-Z	42	-	-
K.69-LE71MB.											
1.5 ... 13.3	460	196.59	1.3		2KJ8507-2CG	■ ■ -5	■ H2	-Z	37	-	-
1.7 ... 14.6	415	178.72	1.4		2KJ8507-2CG	■ ■ -5	■ G2	-Z	37	-	-
2 ... 17.2	355	152	1.7		2KJ8507-2CG	■ ■ -5	■ F2	-Z	37	-	-
2.2 ... 18.9	320	138.18	1.9		2KJ8507-2CG	■ ■ -5	■ E2	-Z	37	-	-
2.4 ... 21	285	123.29	2.1		2KJ8507-2CG	■ ■ -5	■ D2	-Z	37	-	-
2.7 ... 24	255	110.55	2.3		2KJ8507-2CG	■ ■ -5	■ C2	-Z	37	-	-
3 ... 26	230	99.64	2.6		2KJ8507-2CG	■ ■ -5	■ B2	-Z	37	-	-
3.3 ... 28	215	91.98	2.8		2KJ8507-2CG	■ ■ -5	■ A2	-Z	37	-	-
3.6 ... 31	197	83.96	3.1		2KJ8507-2CG	■ ■ -5	■ X1	-Z	37	-	-
K.49-LE71MB.											
1.5 ... 13	465	200.25	0.9		2KJ8505-2CG	■ ■ -5	■ J2	-Z	30	-	-
1.7 ... 14.7	415	178.06	1		2KJ8505-2CG	■ ■ -5	■ H2	-Z	30	-	-
1.9 ... 16.7	365	156.34	1.1		2KJ8505-2CG	■ ■ -5	■ G2	-Z	30	-	-
2.1 ... 18.4	330	142.13	1.3		2KJ8505-2CG	■ ■ -5	■ F2	-Z	30	-	-
2.5 ... 21	285	121.6	1.5		2KJ8505-2CG	■ ■ -5	■ E2	-Z	30	-	-
2.7 ... 24	255	110.55	1.6		2KJ8505-2CG	■ ■ -5	■ D2	-Z	30	-	-
3.1 ... 27	225	97.71	1.8		2KJ8505-2CG	■ ■ -5	■ C2	-Z	30	-	-
3.4 ... 29	205	88.83	2		2KJ8505-2CG	■ ■ -5	■ B2	-Z	30	-	-
3.9 ... 34	182	77.81	2.3		2KJ8505-2CG	■ ■ -5	■ A2	-Z	30	-	-
4.2 ... 36	168	71.82	2.5		2KJ8505-2CG	■ ■ -5	■ X1	-Z	30	-	-
4.7 ... 41	149	63.59	2.8		2KJ8505-2CG	■ ■ -5	■ W1	-Z	30	-	-
B.49-LE71MB.											
5.1 ... 44	139	59.28	3.2		2KJ8503-2CG	■ ■ -5	■ C2	-Z	28	-	-
K.39-LE71MB.											
2.7 ... 24	255	110.06	0.85		2KJ8504-2CG	■ ■ -5	■ F2	-Z	22	-	-
3.2 ... 28	220	94.39	1		2KJ8504-2CG	■ ■ -5	■ E2	-Z	22	-	-
3.5 ... 30	200	85.81	1.1		2KJ8504-2CG	■ ■ -5	■ D2	-Z	22	-	-
4 ... 35	176	75.24	1.2		2KJ8504-2CG	■ ■ -5	■ C2	-Z	22	-	-
4.5 ... 39	157	67.16	1.4		2KJ8504-2CG	■ ■ -5	■ B2	-Z	22	-	-
5 ... 44	140	59.85	1.6		2KJ8504-2CG	■ ■ -5	■ A2	-Z	22	-	-
5.4 ... 47	129	55.25	1.7		2KJ8504-2CG	■ ■ -5	■ X1	-Z	22	-	-
6.2 ... 54	113	48.37	1.9		2KJ8504-2CG	■ ■ -5	■ W1	-Z	22	-	-
7.1 ... 62	99	42.41	2.2		2KJ8504-2CG	■ ■ -5	■ V1	-Z	22	-	-
7.8 ... 68	90	38.48	2.4		2KJ8504-2CG	■ ■ -5	■ U1	-Z	22	-	-
8.3 ... 72	85	36.21	2.6		2KJ8504-2CG	■ ■ -5	■ T1	-Z	22	-	-
9.4 ... 82	75	31.92	2.9		2KJ8504-2CG	■ ■ -5	■ S1	-Z	22	-	-
10.8 ... 94	65	27.7	3.4		2KJ8504-2CG	■ ■ -5	■ R1	-Z	22	-	-
11.2 ... 97	63	26.89	3.5		2KJ8504-2CG	■ ■ -5	■ Q1	-Z	22	-	-
B.39-LE71MB.											
5.3 ... 46	132	56.36	1.9		2KJ8502-2CG	■ ■ -5	■ A2	-Z	22	-	-
6 ... 52	117	50.11	1.8		2KJ8502-2CG	■ ■ -5	■ X1	-Z	22	-	-
6.8 ... 59	103	44	2.4		2KJ8502-2CG	■ ■ -5	■ W1	-Z	22	-	-
7.5 ... 65	94	40	2.5		2KJ8502-2CG	■ ■ -5	■ V1	-Z	22	-	-
8.8 ... 76	80	34.22	3.1		2KJ8502-2CG	■ ■ -5	■ U1	-Z	22	-	-
9.6 ... 84	73	31.11	3.4		2KJ8502-2CG	■ ■ -5	■ T1	-Z	22	-	-
B.29-LE71MB.											
6.4 ... 56	110	46.85	1		2KJ8501-2CG	■ ■ -5	■ B2	-Z	17	-	-

Article No. supplements

Motor temperature sensor	without with Pt1000	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	0 1
Converter fieldbus communication	see Seite 5/2	1, 2 or 3
Special versions	see Chapter 4 „Additional Order options“	B, C, D, E, F or G

Order code

Order code

1, 2 or 3
B, C, D, E, F or G

1, 2 or 3
B, C, D, E, F or G

...+...

...+...

Bevel geared motors

Selection and ordering data

Control range 1:8.7

Innomotics SG G115D · Control range 1:8.7 / Motor Drehzahlbereich 300 ... 2610 rpm

P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4		
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	
					(Article No. supplements see below)	kg	(Article No. supplements see below)	kg	
0.64	B.29-LE71MB.								
	7.2 ... 63	97	41.56	1.1	2KJ8501-2CG █ █ -5 █ A2 -Z	17	-	-	
	8.3 ... 72	84	36.06	1.3	2KJ8501-2CG █ █ -5 █ X1 -Z	17	-	-	
	9.2 ... 80	77	32.78	1.4	2KJ8501-2CG █ █ -5 █ W1 -Z	17	-	-	
	10.7 ... 93	66	28.11	1.7	2KJ8501-2CG █ █ -5 █ V1 -Z	17	-	-	
	11.7 ... 102	60	25.56	1.8	2KJ8501-2CG █ █ -5 █ U1 -Z	17	-	-	
	13.4 ... 116	52	22.41	2.1	2KJ8501-2CG █ █ -5 █ T1 -Z	17	-	-	
	15 ... 130	47	20	2.3	2KJ8501-2CG █ █ -5 █ S1 -Z	17	-	-	
	16.8 ... 146	42	17.82	2.6	2KJ8501-2CG █ █ -5 █ R1 -Z	17	-	-	
	18.2 ... 159	38	16.45	2.9	2KJ8501-2CG █ █ -5 █ Q1 -Z	17	-	-	
	21 ... 181	34	14.4	3.3	2KJ8501-2CG █ █ -5 █ P1 -Z	17	-	-	
	24 ... 207	30	12.63	3.7	2KJ8501-2CG █ █ -5 █ N1 -Z	17	-	-	
	B.19-LE71MB.								
	12 ... 104	59	25.06	0.85	2KJ8500-2CG █ █ -5 █ U1 -Z	15	-	-	
	13.2 ... 115	53	22.78	0.94	2KJ8500-2CG █ █ -5 █ T1 -Z	15	-	-	
	15.1 ... 131	46	19.86	1.1	2KJ8500-2CG █ █ -5 █ S1 -Z	15	-	-	
	16.9 ... 147	42	17.78	1.2	2KJ8500-2CG █ █ -5 █ R1 -Z	15	-	-	
	19 ... 165	37	15.79	1.4	2KJ8500-2CG █ █ -5 █ Q1 -Z	15	-	-	
	21 ... 179	34	14.57	1.5	2KJ8500-2CG █ █ -5 █ P1 -Z	15	-	-	
	24 ... 206	30	12.66	1.7	2KJ8500-2CG █ █ -5 █ N1 -Z	15	-	-	
	27 ... 237	26	11	1.9	2KJ8500-2CG █ █ -5 █ M1 -Z	15	-	-	
	30 ... 263	23	9.93	2.2	2KJ8500-2CG █ █ -5 █ L1 -Z	15	-	-	
	32 ... 279	22	9.35	2.3	2KJ8500-2CG █ █ -5 █ K1 -Z	15	-	-	
37 ... 320	19	8.15	2.5	2KJ8500-2CG █ █ -5 █ J1 -Z	15	-	-		
38 ... 332	18	7.87	2.1	2KJ8500-2CG █ █ -5 █ H1 -Z	15	-	-		
43 ... 373	16	6.99	2.3	2KJ8500-2CG █ █ -5 █ G1 -Z	15	-	-		
47 ... 405	15	6.45	2.6	2KJ8500-2CG █ █ -5 █ F1 -Z	15	-	-		
53 ... 465	13	5.61	2.8	2KJ8500-2CG █ █ -5 █ E1 -Z	15	-	-		
62 ... 536	11	4.87	3.1	2KJ8500-2CG █ █ -5 █ D1 -Z	15	-	-		
68 ... 593	10	4.4	3.3	2KJ8500-2CG █ █ -5 █ C1 -Z	15	-	-		
72 ... 630	10	4.14	3.4	2KJ8500-2CG █ █ -5 █ B1 -Z	15	-	-		
83 ... 723	9	3.61	3.7	2KJ8500-2CG █ █ -5 █ A1 -Z	15	-	-		
0.95	K.89-LE80MA.								
	1.3 ... 11.3	805	231.8	2	2KJ8510-2EB █ █ -5 █ K2 -Z	67	2KJ8510-4EC █ █ -5 █ K2 -Z	67	
	1.4 ... 12.4	730	210.72	2.2	2KJ8510-2EB █ █ -5 █ J2 -Z	67	2KJ8510-4EC █ █ -5 █ J2 -Z	67	
	1.6 ... 13.8	655	189.01	2.4	2KJ8510-2EB █ █ -5 █ H2 -Z	67	2KJ8510-4EC █ █ -5 █ H2 -Z	67	
	1.8 ... 15.4	590	169.94	2.7	2KJ8510-2EB █ █ -5 █ G2 -Z	67	2KJ8510-4EC █ █ -5 █ G2 -Z	67	
	2 ... 17	530	153.7	3	2KJ8510-2EB █ █ -5 █ F2 -Z	67	2KJ8510-4EC █ █ -5 █ F2 -Z	67	
	K.79-LE80MA.								
	1.2 ... 10.7	845	244.25	0.97	2KJ8508-2EB █ █ -5 █ J2 -Z	46	2KJ8508-4EC █ █ -5 █ J2 -Z	46	
	1.4 ... 11.8	770	222.05	1.1	2KJ8508-2EB █ █ -5 █ H2 -Z	46	2KJ8508-4EC █ █ -5 █ H2 -Z	46	
	1.6 ... 13.8	655	188.85	1.2	2KJ8508-2EB █ █ -5 █ G2 -Z	46	2KJ8508-4EC █ █ -5 █ G2 -Z	46	
	1.7 ... 15.2	595	171.69	1.4	2KJ8508-2EB █ █ -5 █ F2 -Z	46	2KJ8508-4EC █ █ -5 █ F2 -Z	46	
	2 ... 17	530	153.18	1.5	2KJ8508-2EB █ █ -5 █ E2 -Z	46	2KJ8508-4EC █ █ -5 █ E2 -Z	46	
	2.2 ... 19	475	137.35	1.7	2KJ8508-2EB █ █ -5 █ D2 -Z	46	2KJ8508-4EC █ █ -5 █ D2 -Z	46	
	2.4 ... 21	430	123.8	1.9	2KJ8508-2EB █ █ -5 █ C2 -Z	46	2KJ8508-4EC █ █ -5 █ C2 -Z	46	
	2.6 ... 23	395	114.28	2.1	2KJ8508-2EB █ █ -5 █ B2 -Z	46	2KJ8508-4EC █ █ -5 █ B2 -Z	46	
2.9 ... 25	360	104.32	2.3	2KJ8508-2EB █ █ -5 █ A2 -Z	46	2KJ8508-4EC █ █ -5 █ A2 -Z	46		
3.5 ... 30	300	86.56	2.7	2KJ8508-2EB █ █ -5 █ X1 -Z	46	2KJ8508-4EC █ █ -5 █ X1 -Z	46		
3.7 ... 32	280	81.47	2.9	2KJ8508-2EB █ █ -5 █ W1 -Z	46	2KJ8508-4EC █ █ -5 █ W1 -Z	46		
3.9 ... 34	265	76.94	3.1	2KJ8508-2EB █ █ -5 █ V1 -Z	46	2KJ8508-4EC █ █ -5 █ V1 -Z	46		
K.69-LE80MA.									
1.5 ... 13.3	680	196.59	0.88	2KJ8507-2EB █ █ -5 █ H2 -Z	41	2KJ8507-4EC █ █ -5 █ H2 -Z	41		
1.7 ... 14.6	620	178.72	0.97	2KJ8507-2EB █ █ -5 █ G2 -Z	41	2KJ8507-4EC █ █ -5 █ G2 -Z	41		
2 ... 17.2	525	152	1.1	2KJ8507-2EB █ █ -5 █ F2 -Z	41	2KJ8507-4EC █ █ -5 █ F2 -Z	41		
2.2 ... 18.9	480	138.18	1.2	2KJ8507-2EB █ █ -5 █ E2 -Z	41	2KJ8507-4EC █ █ -5 █ E2 -Z	41		
2.4 ... 21	425	123.29	1.4	2KJ8507-2EB █ █ -5 █ D2 -Z	41	2KJ8507-4EC █ █ -5 █ D2 -Z	41		
2.7 ... 24	380	110.55	1.6	2KJ8507-2EB █ █ -5 █ C2 -Z	41	2KJ8507-4EC █ █ -5 █ C2 -Z	41		
3 ... 26	345	99.64	1.7	2KJ8507-2EB █ █ -5 █ B2 -Z	41	2KJ8507-4EC █ █ -5 █ B2 -Z	41		

Article No. supplements

Motor temperature sensor	without with Pt1000	<input type="checkbox"/> <input type="checkbox"/>	0 1	| | |	Order code	Motor temperature sensor	without with Pt1000	<input type="checkbox"/> <input type="checkbox"/>	0 1	| | |	Order code
Motor brake	without with see Seite 5/2	<input type="checkbox"/> <input type="checkbox"/>	0 1, 2 or 3			Motor brake	without with see Seite 5/2	<input type="checkbox"/> <input type="checkbox"/>	0 1, 2 or 3		
Converter fieldbus communication	see Seite 5/2	<input type="checkbox"/>	B, C, D, E, F or G			Converter fieldbus communication	see Seite 5/2	<input type="checkbox"/>	B, C, D, E, F or G		
Special versions	see Chapter 4 „Additional Order options“					Special versions	see Chapter 4 „Additional Order options“				

Selection and ordering data

Control range 1:8.7

Innomotics SG G115D · Control range 1:8.7 / Motor Drehzahlbereich 300 ... 2610 rpm

P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	Article No.	m
					(Article No. supplements see below)	kg	(Article No. supplements see below)	kg	(Article No. supplements see below)	kg
0.95										
K.69-LE80MA.										
3.3 ... 28	320	91.98	1.9		2KJ8507-2EB -5 A2 -Z	41	2KJ8507-4EC -5 A2 -Z	41		
3.6 ... 31	290	83.96	2.1		2KJ8507-2EB -5 X1 -Z	41	2KJ8507-4EC -5 X1 -Z	41		
4.3 ... 37	240	69.67	2.5		2KJ8507-2EB -5 W1 -Z	41	2KJ8507-4EC -5 W1 -Z	41		
4.6 ... 40	225	65.57	2.6		2KJ8507-2EB -5 V1 -Z	41	2KJ8507-4EC -5 V1 -Z	41		
4.8 ... 42	215	61.93	2.8		2KJ8507-2EB -5 U1 -Z	41	2KJ8507-4EC -5 U1 -Z	41		
K.49-LE80MA.										
2.1 ... 18.4	490	142.13	0.85		2KJ8505-2EB -5 F2 -Z	34	2KJ8505-4EC -5 F2 -Z	34		
2.5 ... 21	420	121.6	0.99		2KJ8505-2EB -5 E2 -Z	34	2KJ8505-4EC -5 E2 -Z	34		
2.7 ... 24	380	110.55	1.1		2KJ8505-2EB -5 D2 -Z	34	2KJ8505-4EC -5 D2 -Z	34		
3.1 ... 27	340	97.71	1.2		2KJ8505-2EB -5 C2 -Z	34	2KJ8505-4EC -5 C2 -Z	34		
3.4 ... 29	305	88.83	1.4		2KJ8505-2EB -5 B2 -Z	34	2KJ8505-4EC -5 B2 -Z	34		
3.9 ... 34	270	77.81	1.6		2KJ8505-2EB -5 A2 -Z	34	2KJ8505-4EC -5 A2 -Z	34		
4.2 ... 36	250	71.82	1.7		2KJ8505-2EB -5 X1 -Z	34	2KJ8505-4EC -5 X1 -Z	34		
4.7 ... 41	220	63.59	1.9		2KJ8505-2EB -5 W1 -Z	34	2KJ8505-4EC -5 W1 -Z	34		
5.7 ... 49	184	52.93	2.3		2KJ8505-2EB -5 V1 -Z	34	2KJ8505-4EC -5 V1 -Z	34		
6 ... 52	173	49.82	2.4		2KJ8505-2EB -5 U1 -Z	34	2KJ8505-4EC -5 U1 -Z	34		
6.7 ... 58	155	44.63	2.7		2KJ8505-2EB -5 T1 -Z	34	2KJ8505-4EC -5 T1 -Z	34		
7.9 ... 69	132	38	3.2		2KJ8505-2EB -5 S1 -Z	34	2KJ8505-4EC -5 S1 -Z	34		
B.49-LE80MA.										
5.1 ... 44	205	59.28	2.2		2KJ8503-2EB -5 C2 -Z	32	2KJ8503-4EC -5 C2 -Z	32		
5.6 ... 48	187	53.89	2.4		2KJ8503-2EB -5 B2 -Z	32	2KJ8503-4EC -5 B2 -Z	32		
6.5 ... 57	159	45.83	2.8		2KJ8503-2EB -5 A2 -Z	32	2KJ8503-4EC -5 A2 -Z	32		
7.2 ... 63	145	41.67	3.1		2KJ8503-2EB -5 X1 -Z	32	2KJ8503-4EC -5 X1 -Z	32		
K.39-LE80MA.										
4 ... 35	260	75.24	0.84		2KJ8504-2EB -5 C2 -Z	27	2KJ8504-4EC -5 C2 -Z	27		
4.5 ... 39	230	67.16	0.94		2KJ8504-2EB -5 B2 -Z	27	2KJ8504-4EC -5 B2 -Z	27		
5 ... 44	205	59.85	1.1		2KJ8504-2EB -5 A2 -Z	27	2KJ8504-4EC -5 A2 -Z	27		
5.4 ... 47	192	55.25	1.1		2KJ8504-2EB -5 X1 -Z	27	2KJ8504-4EC -5 X1 -Z	27		
6.2 ... 54	168	48.37	1.3		2KJ8504-2EB -5 W1 -Z	27	2KJ8504-4EC -5 W1 -Z	27		
7.1 ... 62	147	42.41	1.5		2KJ8504-2EB -5 V1 -Z	27	2KJ8504-4EC -5 V1 -Z	27		
7.8 ... 68	134	38.48	1.6		2KJ8504-2EB -5 U1 -Z	27	2KJ8504-4EC -5 U1 -Z	27		
8.3 ... 72	126	36.21	1.7		2KJ8504-2EB -5 T1 -Z	27	2KJ8504-4EC -5 T1 -Z	27		
9.4 ... 82	111	31.92	2		2KJ8504-2EB -5 S1 -Z	27	2KJ8504-4EC -5 S1 -Z	27		
10.8 ... 94	96	27.7	2.3		2KJ8504-2EB -5 R1 -Z	27	2KJ8504-4EC -5 R1 -Z	27		
11.2 ... 97	94	26.89	2.4		2KJ8504-2EB -5 Q1 -Z	27	2KJ8504-4EC -5 Q1 -Z	27		
12.5 ... 109	83	23.97	2.6		2KJ8504-2EB -5 P1 -Z	27	2KJ8504-4EC -5 P1 -Z	27		
13.6 ... 118	77	22.12	2.9		2KJ8504-2EB -5 N1 -Z	27	2KJ8504-4EC -5 N1 -Z	27		
15.5 ... 135	67	19.37	3.3		2KJ8504-2EB -5 M1 -Z	27	2KJ8504-4EC -5 M1 -Z	27		
B.39-LE80MA.										
6 ... 52	174	50.11	1.2		2KJ8502-2EB -5 X1 -Z	26	2KJ8502-4EC -5 X1 -Z	26		
6.8 ... 59	153	44	1.6		2KJ8502-2EB -5 W1 -Z	26	2KJ8502-4EC -5 W1 -Z	26		
7.5 ... 65	139	40	1.7		2KJ8502-2EB -5 V1 -Z	26	2KJ8502-4EC -5 V1 -Z	26		
8.8 ... 76	119	34.22	2.1		2KJ8502-2EB -5 U1 -Z	26	2KJ8502-4EC -5 U1 -Z	26		
9.6 ... 84	108	31.11	2.3		2KJ8502-2EB -5 T1 -Z	26	2KJ8502-4EC -5 T1 -Z	26		
10.9 ... 95	96	27.5	2.6		2KJ8502-2EB -5 S1 -Z	26	2KJ8502-4EC -5 S1 -Z	26		
12 ... 104	87	25	2.9		2KJ8502-2EB -5 R1 -Z	26	2KJ8502-4EC -5 R1 -Z	26		
13.7 ... 119	76	21.9	3.3		2KJ8502-2EB -5 Q1 -Z	26	2KJ8502-4EC -5 Q1 -Z	26		
14.8 ... 129	70	20.21	3.6		2KJ8502-2EB -5 P1 -Z	26	2KJ8502-4EC -5 P1 -Z	26		
B.29-LE80MA.										
8.3 ... 72	125	36.06	0.88		2KJ8501-2EB -5 X1 -Z	21	2KJ8501-4EC -5 X1 -Z	21		
9.2 ... 80	114	32.78	0.97		2KJ8501-2EB -5 W1 -Z	21	2KJ8501-4EC -5 W1 -Z	21		
10.7 ... 93	98	28.11	1.1		2KJ8501-2EB -5 V1 -Z	21	2KJ8501-4EC -5 V1 -Z	21		
11.7 ... 102	89	25.56	1.2		2KJ8501-2EB -5 U1 -Z	21	2KJ8501-4EC -5 U1 -Z	21		
13.4 ... 116	78	22.41	1.4		2KJ8501-2EB -5 T1 -Z	21	2KJ8501-4EC -5 T1 -Z	21		
15 ... 130	70	20	1.6		2KJ8501-2EB -5 S1 -Z	21	2KJ8501-4EC -5 S1 -Z	21		
16.8 ... 146	62	17.82	1.8		2KJ8501-2EB -5 R1 -Z	21	2KJ8501-4EC -5 R1 -Z	21		
18.2 ... 159	57	16.45	1.9		2KJ8501-2EB -5 Q1 -Z	21	2KJ8501-4EC -5 Q1 -Z	21		
21 ... 181	50	14.4	2.2		2KJ8501-2EB -5 P1 -Z	21	2KJ8501-4EC -5 P1 -Z	21		

Article No. supplements

Motor temperature sensor

without
with Pt10000
1

Motor brake

(brake voltage 180 V DC)

without
with see Seite 5/20
1, 2 or 3

Converter fieldbus communication see Seite 5/2

B, C, D, E, F or G

Special versions see Chapter 4 „Additional Order options“

...+...

Order code

0
10
1, 2 or 3

B, C, D, E, F or G

Order code

...+...

Bevel geared motors

Selection and ordering data

Control range 1:8.7

Innomotics SG G115D · Control range 1:8.7 / Motor Drehzahlbereich 300 ... 2610 rpm								
P _N	n ₂	T ₂	i	f _B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
kW	rpm	Nm	-	-	Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
0.95	B.29-LE80MA.							
	24 ... 207	44	12.63	2.5	2KJ8501-2EB -5 N1 -Z	21	2KJ8501-4EC -5 N1 -Z	21
	26 ... 228	40	11.46	2.8	2KJ8501-2EB -5 M1 -Z	21	2KJ8501-4EC -5 M1 -Z	21
	28 ... 242	38	10.78	2.9	2KJ8501-2EB -5 L1 -Z	21	2KJ8501-4EC -5 L1 -Z	21
	32 ... 274	33	9.51	3.3	2KJ8501-2EB -5 K1 -Z	21	2KJ8501-4EC -5 K1 -Z	21
	36 ... 316	29	8.25	3.8	2KJ8501-2EB -5 J1 -Z	21	2KJ8501-4EC -5 J1 -Z	21
	38 ... 333	27	7.84	2.8	2KJ8501-2EB -5 H1 -Z	21	2KJ8501-4EC -5 H1 -Z	21
	41 ... 354	26	7.38	2.9	2KJ8501-2EB -5 G1 -Z	21	2KJ8501-4EC -5 G1 -Z	21
	46 ... 401	23	6.51	3.3	2KJ8501-2EB -5 F1 -Z	21	2KJ8501-4EC -5 F1 -Z	21
	53 ... 462	20	5.65	3.8	2KJ8501-2EB -5 E1 -Z	21	2KJ8501-4EC -5 E1 -Z	21
	59 ... 515	18	5.07	4.2	2KJ8501-2EB -5 D1 -Z	21	2KJ8501-4EC -5 D1 -Z	21
	B.19-LE80MA.							
	16.9 ... 147	62	17.78	0.81	2KJ8500-2EB -5 R1 -Z	19	2KJ8500-4EC -5 R1 -Z	19
	19 ... 165	55	15.79	0.91	2KJ8500-2EB -5 Q1 -Z	19	2KJ8500-4EC -5 Q1 -Z	19
	21 ... 179	51	14.57	0.99	2KJ8500-2EB -5 P1 -Z	19	2KJ8500-4EC -5 P1 -Z	19
	24 ... 206	44	12.66	1.1	2KJ8500-2EB -5 N1 -Z	19	2KJ8500-4EC -5 N1 -Z	19
	27 ... 237	38	11	1.3	2KJ8500-2EB -5 M1 -Z	19	2KJ8500-4EC -5 M1 -Z	19
	30 ... 263	34	9.93	1.4	2KJ8500-2EB -5 L1 -Z	19	2KJ8500-4EC -5 L1 -Z	19
	32 ... 279	32	9.35	1.5	2KJ8500-2EB -5 K1 -Z	19	2KJ8500-4EC -5 K1 -Z	19
	37 ... 320	28	8.15	1.7	2KJ8500-2EB -5 J1 -Z	19	2KJ8500-4EC -5 J1 -Z	19
	38 ... 332	27	7.87	1.4	2KJ8500-2EB -5 H1 -Z	19	2KJ8500-4EC -5 H1 -Z	19
	43 ... 373	24	6.99	1.6	2KJ8500-2EB -5 G1 -Z	19	2KJ8500-4EC -5 G1 -Z	19
	47 ... 405	22	6.45	1.7	2KJ8500-2EB -5 F1 -Z	19	2KJ8500-4EC -5 F1 -Z	19
	53 ... 465	20	5.61	1.9	2KJ8500-2EB -5 E1 -Z	19	2KJ8500-4EC -5 E1 -Z	19
	62 ... 536	17	4.87	2.1	2KJ8500-2EB -5 D1 -Z	19	2KJ8500-4EC -5 D1 -Z	19
	68 ... 593	15	4.4	2.2	2KJ8500-2EB -5 C1 -Z	19	2KJ8500-4EC -5 C1 -Z	19
72 ... 630	14	4.14	2.3	2KJ8500-2EB -5 B1 -Z	19	2KJ8500-4EC -5 B1 -Z	19	
83 ... 723	12	3.61	2.5	2KJ8500-2EB -5 A1 -Z	19	2KJ8500-4EC -5 A1 -Z	19	
1.3	K.109-LE80MB.							
	1.4 ... 12	1030	216.65	2.8	2KJ8511-2EG -5 H2 -Z	102	2KJ8511-4EH -5 H2 -Z	105
	K.89-LE80MB.							
	1.3 ... 11.3	1100	231.8	1.5	2KJ8510-2EG -5 K2 -Z	66	2KJ8510-4EH -5 K2 -Z	69
	1.4 ... 12.4	1000	210.72	1.6	2KJ8510-2EG -5 J2 -Z	66	2KJ8510-4EH -5 J2 -Z	69
	1.6 ... 13.8	895	189.01	1.8	2KJ8510-2EG -5 H2 -Z	66	2KJ8510-4EH -5 H2 -Z	69
	1.8 ... 15.4	805	169.94	2	2KJ8510-2EG -5 G2 -Z	66	2KJ8510-4EH -5 G2 -Z	69
	2 ... 17	730	153.7	2.2	2KJ8510-2EG -5 F2 -Z	66	2KJ8510-4EH -5 F2 -Z	69
	2.1 ... 18.4	675	141.88	2.4	2KJ8510-2EG -5 E2 -Z	66	2KJ8510-4EH -5 E2 -Z	69
	2.3 ... 20	615	129.96	2.6	2KJ8510-2EG -5 D2 -Z	66	2KJ8510-4EH -5 D2 -Z	69
	2.8 ... 24	515	109.04	3.1	2KJ8510-2EG -5 C2 -Z	66	2KJ8510-4EH -5 C2 -Z	69
	K.79-LE80MB.							
	1.6 ... 13.8	895	188.85	0.91	2KJ8508-2EG -5 G2 -Z	45	2KJ8508-4EH -5 G2 -Z	48
	1.7 ... 15.2	815	171.69	1	2KJ8508-2EG -5 F2 -Z	45	2KJ8508-4EH -5 F2 -Z	48
	2 ... 17	725	153.18	1.1	2KJ8508-2EG -5 E2 -Z	45	2KJ8508-4EH -5 E2 -Z	48
	2.2 ... 19	650	137.35	1.3	2KJ8508-2EG -5 D2 -Z	45	2KJ8508-4EH -5 D2 -Z	48
	2.4 ... 21	585	123.8	1.4	2KJ8508-2EG -5 C2 -Z	45	2KJ8508-4EH -5 C2 -Z	48
	2.6 ... 23	540	114.28	1.5	2KJ8508-2EG -5 B2 -Z	45	2KJ8508-4EH -5 B2 -Z	48
	2.9 ... 25	495	104.32	1.7	2KJ8508-2EG -5 A2 -Z	45	2KJ8508-4EH -5 A2 -Z	48
	3.5 ... 30	410	86.56	2	2KJ8508-2EG -5 X1 -Z	45	2KJ8508-4EH -5 X1 -Z	48
	3.7 ... 32	385	81.47	2.1	2KJ8508-2EG -5 W1 -Z	45	2KJ8508-4EH -5 W1 -Z	48
	3.9 ... 34	365	76.94	2.2	2KJ8508-2EG -5 V1 -Z	45	2KJ8508-4EH -5 V1 -Z	48
	4.6 ... 40	310	65.47	2.6	2KJ8508-2EG -5 U1 -Z	45	2KJ8508-4EH -5 U1 -Z	48
	5.3 ... 47	265	56.08	3.1	2KJ8508-2EG -5 T1 -Z	45	2KJ8508-4EH -5 T1 -Z	48
	K.69-LE80MB.							
	2 ... 17.2	720	152	0.83	2KJ8507-2EG -5 F2 -Z	40	2KJ8507-4EH -5 F2 -Z	43
2.2 ... 18.9	655	138.18	0.91	2KJ8507-2EG -5 E2 -Z	40	2KJ8507-4EH -5 E2 -Z	43	
2.4 ... 21	585	123.29	1	2KJ8507-2EG -5 D2 -Z	40	2KJ8507-4EH -5 D2 -Z	43	
2.7 ... 24	525	110.55	1.1	2KJ8507-2EG -5 C2 -Z	40	2KJ8507-4EH -5 C2 -Z	43	
3 ... 26	470	99.64	1.3	2KJ8507-2EG -5 B2 -Z	40	2KJ8507-4EH -5 B2 -Z	43	
3.3 ... 28	435	91.98	1.4	2KJ8507-2EG -5 A2 -Z	40	2KJ8507-4EH -5 A2 -Z	43	

Article No. supplements				Order code			
Motor temperature sensor	without with Pt1000	0 1	B, C, D, E, F or G	Motor temperature sensor	without with Pt1000	0 1	B, C, D, E, F or G
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	0 1, 2 or 3		Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	0 1, 2 or 3	
Converter fieldbus communication	see Seite 5/2			Converter fieldbus communication	see Seite 5/2		
Special versions see Chapter 4 „Additional Order options“				Special versions see Chapter 4 „Additional Order options“			

Selection and ordering data

Control range 1:8.7

Innomotics SG G115D · Control range 1:8.7 / Motor Drehzahlbereich 300 ... 2610 rpm

P_N kW	n_2 rpm	T_2 Nm	i	f_B -	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
1.3	K.69-LE8OMB.							
	3.6 ... 31	395	83.96	1.5	2KJ8507-2EG ■ ■ -5 ■ X1 -Z	40	2KJ8507-4EH ■ ■ -5 ■ X1 -Z	43
	4.3 ... 37	330	69.67	1.8	2KJ8507-2EG ■ ■ -5 ■ W1 -Z	40	2KJ8507-4EH ■ ■ -5 ■ W1 -Z	43
	4.6 ... 40	310	65.57	1.9	2KJ8507-2EG ■ ■ -5 ■ V1 -Z	40	2KJ8507-4EH ■ ■ -5 ■ V1 -Z	43
	4.8 ... 42	295	61.93	2	2KJ8507-2EG ■ ■ -5 ■ U1 -Z	40	2KJ8507-4EH ■ ■ -5 ■ U1 -Z	43
	5.7 ... 50	250	52.69	2.4	2KJ8507-2EG ■ ■ -5 ■ T1 -Z	40	2KJ8507-4EH ■ ■ -5 ■ T1 -Z	43
	6.6 ... 58	215	45.14	2.8	2KJ8507-2EG ■ ■ -5 ■ S1 -Z	40	2KJ8507-4EH ■ ■ -5 ■ S1 -Z	43
	7.6 ... 66	189	39.69	3.2	2KJ8507-2EG ■ ■ -5 ■ R1 -Z	40	2KJ8507-4EH ■ ■ -5 ■ R1 -Z	43
	K.49-LE8OMB.							
	2.7 ... 24	525	110.55	0.8	2KJ8505-2EG ■ ■ -5 ■ D2 -Z	33	2KJ8505-4EH ■ ■ -5 ■ D2 -Z	36
	3.1 ... 27	465	97.71	0.9	2KJ8505-2EG ■ ■ -5 ■ C2 -Z	33	2KJ8505-4EH ■ ■ -5 ■ C2 -Z	36
	3.4 ... 29	420	88.83	0.99	2KJ8505-2EG ■ ■ -5 ■ B2 -Z	33	2KJ8505-4EH ■ ■ -5 ■ B2 -Z	36
	3.9 ... 34	370	77.81	1.1	2KJ8505-2EG ■ ■ -5 ■ A2 -Z	33	2KJ8505-4EH ■ ■ -5 ■ A2 -Z	36
	4.2 ... 36	340	71.82	1.2	2KJ8505-2EG ■ ■ -5 ■ X1 -Z	33	2KJ8505-4EH ■ ■ -5 ■ X1 -Z	36
	4.7 ... 41	300	63.59	1.4	2KJ8505-2EG ■ ■ -5 ■ W1 -Z	33	2KJ8505-4EH ■ ■ -5 ■ W1 -Z	36
	5.7 ... 49	250	52.93	1.7	2KJ8505-2EG ■ ■ -5 ■ V1 -Z	33	2KJ8505-4EH ■ ■ -5 ■ V1 -Z	36
	6 ... 52	235	49.82	1.8	2KJ8505-2EG ■ ■ -5 ■ U1 -Z	33	2KJ8505-4EH ■ ■ -5 ■ U1 -Z	36
	6.7 ... 58	210	44.63	2	2KJ8505-2EG ■ ■ -5 ■ T1 -Z	33	2KJ8505-4EH ■ ■ -5 ■ T1 -Z	36
	7.9 ... 69	181	38	2.3	2KJ8505-2EG ■ ■ -5 ■ S1 -Z	33	2KJ8505-4EH ■ ■ -5 ■ S1 -Z	36
	9.2 ... 80	155	32.57	2.7	2KJ8505-2EG ■ ■ -5 ■ R1 -Z	33	2KJ8505-4EH ■ ■ -5 ■ R1 -Z	36
10.7 ... 93	133	28.05	3.1	2KJ8505-2EG ■ ■ -5 ■ Q1 -Z	33	2KJ8505-4EH ■ ■ -5 ■ Q1 -Z	36	
11.4 ... 99	125	26.3	3.4	2KJ8505-2EG ■ ■ -5 ■ P1 -Z	33	2KJ8505-4EH ■ ■ -5 ■ P1 -Z	36	
B.49-LE8OMB.								
5.1 ... 44	280	59.28	1.6	2KJ8503-2EG ■ ■ -5 ■ C2 -Z	31	2KJ8503-4EH ■ ■ -5 ■ C2 -Z	34	
5.6 ... 48	255	53.89	1.8	2KJ8503-2EG ■ ■ -5 ■ B2 -Z	31	2KJ8503-4EH ■ ■ -5 ■ B2 -Z	34	
6.5 ... 57	215	45.83	2.1	2KJ8503-2EG ■ ■ -5 ■ A2 -Z	31	2KJ8503-4EH ■ ■ -5 ■ A2 -Z	34	
7.2 ... 63	198	41.67	2.3	2KJ8503-2EG ■ ■ -5 ■ X1 -Z	31	2KJ8503-4EH ■ ■ -5 ■ X1 -Z	34	
8.1 ... 70	177	37.18	2.5	2KJ8503-2EG ■ ■ -5 ■ W1 -Z	31	2KJ8503-4EH ■ ■ -5 ■ W1 -Z	34	
9 ... 78	159	33.33	2.8	2KJ8503-2EG ■ ■ -5 ■ V1 -Z	31	2KJ8503-4EH ■ ■ -5 ■ V1 -Z	34	
10 ... 87	143	30.05	3.1	2KJ8503-2EG ■ ■ -5 ■ U1 -Z	31	2KJ8503-4EH ■ ■ -5 ■ U1 -Z	34	
10.8 ... 94	132	27.74	3.4	2KJ8503-2EG ■ ■ -5 ■ T1 -Z	31	2KJ8503-4EH ■ ■ -5 ■ T1 -Z	34	
K.39-LE8OMB.								
5.4 ... 47	260	55.25	0.84	2KJ8504-2EG ■ ■ -5 ■ X1 -Z	26	2KJ8504-4EH ■ ■ -5 ■ X1 -Z	29	
6.2 ... 54	230	48.37	0.96	2KJ8504-2EG ■ ■ -5 ■ W1 -Z	26	2KJ8504-4EH ■ ■ -5 ■ W1 -Z	29	
7.1 ... 62	200	42.41	1.1	2KJ8504-2EG ■ ■ -5 ■ V1 -Z	26	2KJ8504-4EH ■ ■ -5 ■ V1 -Z	29	
7.8 ... 68	183	38.48	1.2	2KJ8504-2EG ■ ■ -5 ■ U1 -Z	26	2KJ8504-4EH ■ ■ -5 ■ U1 -Z	29	
8.3 ... 72	172	36.21	1.3	2KJ8504-2EG ■ ■ -5 ■ T1 -Z	26	2KJ8504-4EH ■ ■ -5 ■ T1 -Z	29	
9.4 ... 82	152	31.92	1.4	2KJ8504-2EG ■ ■ -5 ■ S1 -Z	26	2KJ8504-4EH ■ ■ -5 ■ S1 -Z	29	
10.8 ... 94	132	27.7	1.7	2KJ8504-2EG ■ ■ -5 ■ R1 -Z	26	2KJ8504-4EH ■ ■ -5 ■ R1 -Z	29	
11.2 ... 97	128	26.89	1.7	2KJ8504-2EG ■ ■ -5 ■ Q1 -Z	26	2KJ8504-4EH ■ ■ -5 ■ Q1 -Z	29	
12.5 ... 109	114	23.97	1.9	2KJ8504-2EG ■ ■ -5 ■ P1 -Z	26	2KJ8504-4EH ■ ■ -5 ■ P1 -Z	29	
13.6 ... 118	105	22.12	2.1	2KJ8504-2EG ■ ■ -5 ■ N1 -Z	26	2KJ8504-4EH ■ ■ -5 ■ N1 -Z	29	
15.5 ... 135	92	19.37	2.4	2KJ8504-2EG ■ ■ -5 ■ M1 -Z	26	2KJ8504-4EH ■ ■ -5 ■ M1 -Z	29	
17.7 ... 154	81	16.98	2.7	2KJ8504-2EG ■ ■ -5 ■ L1 -Z	26	2KJ8504-4EH ■ ■ -5 ■ L1 -Z	29	
19.5 ... 169	73	15.41	3	2KJ8504-2EG ■ ■ -5 ■ K1 -Z	26	2KJ8504-4EH ■ ■ -5 ■ K1 -Z	29	
21 ... 180	69	14.5	3.2	2KJ8504-2EG ■ ■ -5 ■ J1 -Z	26	2KJ8504-4EH ■ ■ -5 ■ J1 -Z	29	
23 ... 204	61	12.78	3.6	2KJ8504-2EG ■ ■ -5 ■ H1 -Z	26	2KJ8504-4EH ■ ■ -5 ■ H1 -Z	29	
30 ... 260	48	10.04	3.9	2KJ8504-2EG ■ ■ -5 ■ F1 -Z	26	2KJ8504-4EH ■ ■ -5 ■ F1 -Z	29	
B.39-LE8OMB.								
6 ... 52	235	50.11	0.88	2KJ8502-2EG ■ ■ -5 ■ X1 -Z	25	2KJ8502-4EH ■ ■ -5 ■ X1 -Z	28	
6.8 ... 59	205	44	1.2	2KJ8502-2EG ■ ■ -5 ■ W1 -Z	25	2KJ8502-4EH ■ ■ -5 ■ W1 -Z	28	
7.5 ... 65	190	40	1.2	2KJ8502-2EG ■ ■ -5 ■ V1 -Z	25	2KJ8502-4EH ■ ■ -5 ■ V1 -Z	28	
8.8 ... 76	163	34.22	1.5	2KJ8502-2EG ■ ■ -5 ■ U1 -Z	25	2KJ8502-4EH ■ ■ -5 ■ U1 -Z	28	
9.6 ... 84	148	31.11	1.7	2KJ8502-2EG ■ ■ -5 ■ T1 -Z	25	2KJ8502-4EH ■ ■ -5 ■ T1 -Z	28	
10.9 ... 95	131	27.5	1.9	2KJ8502-2EG ■ ■ -5 ■ S1 -Z	25	2KJ8502-4EH ■ ■ -5 ■ S1 -Z	28	
12 ... 104	119	25	2.1	2KJ8502-2EG ■ ■ -5 ■ R1 -Z	25	2KJ8502-4EH ■ ■ -5 ■ R1 -Z	28	
13.7 ... 119	104	21.9	2.4	2KJ8502-2EG ■ ■ -5 ■ Q1 -Z	25	2KJ8502-4EH ■ ■ -5 ■ Q1 -Z	28	
14.8 ... 129	96	20.21	2.6	2KJ8502-2EG ■ ■ -5 ■ P1 -Z	25	2KJ8502-4EH ■ ■ -5 ■ P1 -Z	28	
16.8 ... 146	85	17.9	2.9	2KJ8502-2EG ■ ■ -5 ■ N1 -Z	25	2KJ8502-4EH ■ ■ -5 ■ N1 -Z	28	
Article No. supplements				Order code				
Motor temperature sensor				without 0 with Pt1000 1				
Motor brake (brake voltage 180 V DC)				without 0 with see Seite 5/2 1, 2 or 3				
Converter fieldbus communication see Seite 5/2				B, C, D, E, F or G				
Special versions see Chapter 4 „Additional Order options“				...+...				

Bevel geared motors

Selection and ordering data

Control range 1:8.7

Innomotics SG G115D · Control range 1:8.7 / Motor Drehzahlbereich 300 ... 2610 rpm									
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4		
kW	rpm	Nm	-	-	Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg	
1.3	B.39-LE80MB.								
	20 ... 175	71	14.9	3.5	2KJ8502-2EG ■■ -5 ■ M1 -Z	25	2KJ8502-4EH ■■ -5 ■ M1 -Z	28	
	21 ... 186	67	14.02	3.7	2KJ8502-2EG ■■ -5 ■ L1 -Z	25	2KJ8502-4EH ■■ -5 ■ L1 -Z	28	
	B.29-LE80MB.								
	10.7 ... 93	134	28.11	0.82	2KJ8501-2EG ■■ -5 ■ V1 -Z	20	2KJ8501-4EH ■■ -5 ■ V1 -Z	23	
	11.7 ... 102	122	25.56	0.9	2KJ8501-2EG ■■ -5 ■ U1 -Z	20	2KJ8501-4EH ■■ -5 ■ U1 -Z	23	
	13.4 ... 116	107	22.41	1	2KJ8501-2EG ■■ -5 ■ T1 -Z	20	2KJ8501-4EH ■■ -5 ■ T1 -Z	23	
	15 ... 130	95	20	1.2	2KJ8501-2EG ■■ -5 ■ S1 -Z	20	2KJ8501-4EH ■■ -5 ■ S1 -Z	23	
	16.8 ... 146	85	17.82	1.3	2KJ8501-2EG ■■ -5 ■ R1 -Z	20	2KJ8501-4EH ■■ -5 ■ R1 -Z	23	
	18.2 ... 159	78	16.45	1.4	2KJ8501-2EG ■■ -5 ■ Q1 -Z	20	2KJ8501-4EH ■■ -5 ■ Q1 -Z	23	
	21 ... 181	68	14.4	1.6	2KJ8501-2EG ■■ -5 ■ P1 -Z	20	2KJ8501-4EH ■■ -5 ■ P1 -Z	23	
	24 ... 207	60	12.63	1.8	2KJ8501-2EG ■■ -5 ■ N1 -Z	20	2KJ8501-4EH ■■ -5 ■ N1 -Z	23	
	26 ... 228	54	11.46	2	2KJ8501-2EG ■■ -5 ■ M1 -Z	20	2KJ8501-4EH ■■ -5 ■ M1 -Z	23	
	28 ... 242	51	10.78	2.1	2KJ8501-2EG ■■ -5 ■ L1 -Z	20	2KJ8501-4EH ■■ -5 ■ L1 -Z	23	
	32 ... 274	45	9.51	2.4	2KJ8501-2EG ■■ -5 ■ K1 -Z	20	2KJ8501-4EH ■■ -5 ■ K1 -Z	23	
	36 ... 316	39	8.25	2.8	2KJ8501-2EG ■■ -5 ■ J1 -Z	20	2KJ8501-4EH ■■ -5 ■ J1 -Z	23	
	38 ... 333	37	7.84	2	2KJ8501-2EG ■■ -5 ■ H1 -Z	20	2KJ8501-4EH ■■ -5 ■ H1 -Z	23	
	41 ... 354	35	7.38	2.1	2KJ8501-2EG ■■ -5 ■ G1 -Z	20	2KJ8501-4EH ■■ -5 ■ G1 -Z	23	
	46 ... 401	31	6.51	2.4	2KJ8501-2EG ■■ -5 ■ F1 -Z	20	2KJ8501-4EH ■■ -5 ■ F1 -Z	23	
	53 ... 462	27	5.65	2.8	2KJ8501-2EG ■■ -5 ■ E1 -Z	20	2KJ8501-4EH ■■ -5 ■ E1 -Z	23	
	59 ... 515	24	5.07	3.1	2KJ8501-2EG ■■ -5 ■ D1 -Z	20	2KJ8501-4EH ■■ -5 ■ D1 -Z	23	
	63 ... 546	23	4.78	3.3	2KJ8501-2EG ■■ -5 ■ C1 -Z	20	2KJ8501-4EH ■■ -5 ■ C1 -Z	23	
	71 ... 620	20	4.21	3.7	2KJ8501-2EG ■■ -5 ■ B1 -Z	20	2KJ8501-4EH ■■ -5 ■ B1 -Z	23	
	82 ... 715	17	3.65	4.2	2KJ8501-2EG ■■ -5 ■ A1 -Z	20	2KJ8501-4EH ■■ -5 ■ A1 -Z	23	
	B.19-LE80MB.								
	24 ... 206	60	12.66	0.83	2KJ8500-2EG ■■ -5 ■ N1 -Z	18	2KJ8500-4EH ■■ -5 ■ N1 -Z	21	
	27 ... 237	52	11	0.96	2KJ8500-2EG ■■ -5 ■ M1 -Z	18	2KJ8500-4EH ■■ -5 ■ M1 -Z	21	
	30 ... 263	47	9.93	1.1	2KJ8500-2EG ■■ -5 ■ L1 -Z	18	2KJ8500-4EH ■■ -5 ■ L1 -Z	21	
	32 ... 279	44	9.35	1.1	2KJ8500-2EG ■■ -5 ■ K1 -Z	18	2KJ8500-4EH ■■ -5 ■ K1 -Z	21	
	37 ... 320	39	8.15	1.2	2KJ8500-2EG ■■ -5 ■ J1 -Z	18	2KJ8500-4EH ■■ -5 ■ J1 -Z	21	
	38 ... 332	37	7.87	1	2KJ8500-2EG ■■ -5 ■ H1 -Z	18	2KJ8500-4EH ■■ -5 ■ H1 -Z	21	
	43 ... 373	33	6.99	1.1	2KJ8500-2EG ■■ -5 ■ G1 -Z	18	2KJ8500-4EH ■■ -5 ■ G1 -Z	21	
	47 ... 405	31	6.45	1.3	2KJ8500-2EG ■■ -5 ■ F1 -Z	18	2KJ8500-4EH ■■ -5 ■ F1 -Z	21	
	53 ... 465	27	5.61	1.4	2KJ8500-2EG ■■ -5 ■ E1 -Z	18	2KJ8500-4EH ■■ -5 ■ E1 -Z	21	
	62 ... 536	23	4.87	1.5	2KJ8500-2EG ■■ -5 ■ D1 -Z	18	2KJ8500-4EH ■■ -5 ■ D1 -Z	21	
	68 ... 593	21	4.4	1.6	2KJ8500-2EG ■■ -5 ■ C1 -Z	18	2KJ8500-4EH ■■ -5 ■ C1 -Z	21	
	72 ... 630	20	4.14	1.7	2KJ8500-2EG ■■ -5 ■ B1 -Z	18	2KJ8500-4EH ■■ -5 ■ B1 -Z	21	
	83 ... 723	17	3.61	1.8	2KJ8500-2EG ■■ -5 ■ A1 -Z	18	2KJ8500-4EH ■■ -5 ■ A1 -Z	21	
	1.9	K.109-LE90S.							
		1.4 ... 12	1500	216.65	1.9	2KJ8511-2GB ■■ -5 ■ H2 -Z	107	2KJ8511-4GC ■■ -5 ■ H2 -Z	111
		1.5 ... 13.3	1360	195.6	2.1	2KJ8511-2GB ■■ -5 ■ G2 -Z	107	2KJ8511-4GC ■■ -5 ■ G2 -Z	111
		1.7 ... 14.7	1230	177.43	2.4	2KJ8511-2GB ■■ -5 ■ F2 -Z	107	2KJ8511-4GC ■■ -5 ■ F2 -Z	111
		1.8 ... 15.9	1130	163.78	2.5	2KJ8511-2GB ■■ -5 ■ E2 -Z	107	2KJ8511-4GC ■■ -5 ■ E2 -Z	111
		2 ... 17.5	1030	148.88	2.8	2KJ8511-2GB ■■ -5 ■ D2 -Z	107	2KJ8511-4GC ■■ -5 ■ D2 -Z	111
		K.89-LE90S.							
		1.3 ... 11.3	1610	231.8	0.99	2KJ8510-2GB ■■ -5 ■ K2 -Z	70	2KJ8510-4GC ■■ -5 ■ K2 -Z	74
		1.4 ... 12.4	1460	210.72	1.1	2KJ8510-2GB ■■ -5 ■ J2 -Z	70	2KJ8510-4GC ■■ -5 ■ J2 -Z	74
		1.6 ... 13.8	1310	189.01	1.2	2KJ8510-2GB ■■ -5 ■ H2 -Z	70	2KJ8510-4GC ■■ -5 ■ H2 -Z	74
		1.8 ... 15.4	1180	169.94	1.4	2KJ8510-2GB ■■ -5 ■ G2 -Z	70	2KJ8510-4GC ■■ -5 ■ G2 -Z	74
		2 ... 17	1060	153.7	1.5	2KJ8510-2GB ■■ -5 ■ F2 -Z	70	2KJ8510-4GC ■■ -5 ■ F2 -Z	74
2.1 ... 18.4		985	141.88	1.6	2KJ8510-2GB ■■ -5 ■ E2 -Z	70	2KJ8510-4GC ■■ -5 ■ E2 -Z	74	
2.3 ... 20		900	129.96	1.8	2KJ8510-2GB ■■ -5 ■ D2 -Z	70	2KJ8510-4GC ■■ -5 ■ D2 -Z	74	
2.8 ... 24		755	109.04	2.1	2KJ8510-2GB ■■ -5 ■ C2 -Z	70	2KJ8510-4GC ■■ -5 ■ C2 -Z	74	
2.9 ... 25		710	102.63	2.2	2KJ8510-2GB ■■ -5 ■ B2 -Z	70	2KJ8510-4GC ■■ -5 ■ B2 -Z	74	
3.2 ... 28		655	94.16	2.4	2KJ8510-2GB ■■ -5 ■ A2 -Z	70	2KJ8510-4GC ■■ -5 ■ A2 -Z	74	
3.6 ... 32		570	82.25	2.8	2KJ8510-2GB ■■ -5 ■ X1 -Z	70	2KJ8510-4GC ■■ -5 ■ X1 -Z	74	
4.1 ... 35		510	73.64	3.1	2KJ8510-2GB ■■ -5 ■ W1 -Z	70	2KJ8510-4GC ■■ -5 ■ W1 -Z	74	
K.79-LE90S.									
2.2 ... 19		955	137.35	0.86	2KJ8508-2GB ■■ -5 ■ D2 -Z	48	2KJ8508-4GC ■■ -5 ■ D2 -Z	52	

Article No. supplements				Order code	Order code			
Motor temperature sensor	without		0	|		without	0	|
	with Pt1000	1	|			with Pt1000	1		|
Motor brake (brake voltage 180 V DC)	without		0	|		without	0	|
	with see Seite 5/2	1, 2 or 3	|			with see Seite 5/2	1, 2 or 3		|
Converter fieldbus communication	see Seite 5/2			|		see Seite 5/2		|
		B, C, D, E, F or G	|				B, C, D, E, F or G		|
Special versions	see Chapter 4 „Additional Order options“			|				|
		

Selection and ordering data

Control range 1:8.7

Innomotics SG G115D · Control range 1:8.7 / Motor Drehzahlbereich 300 ... 2610 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B -	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
1.9								
K.79-LE90S.								
	2.4 ... 21	860	123.8	0.95	2KJ8508-2GB	48	2KJ8508-4GC	52
	2.6 ... 23	790	114.28	1	2KJ8508-2GB	48	2KJ8508-4GC	52
	2.9 ... 25	725	104.32	1.1	2KJ8508-2GB	48	2KJ8508-4GC	52
	3.5 ... 30	600	86.56	1.4	2KJ8508-2GB	48	2KJ8508-4GC	52
	3.7 ... 32	565	81.47	1.4	2KJ8508-2GB	48	2KJ8508-4GC	52
	3.9 ... 34	535	76.94	1.5	2KJ8508-2GB	48	2KJ8508-4GC	52
	4.6 ... 40	455	65.47	1.8	2KJ8508-2GB	48	2KJ8508-4GC	52
	5.3 ... 47	390	56.08	2.1	2KJ8508-2GB	48	2KJ8508-4GC	52
	6.1 ... 53	340	49.31	2.4	2KJ8508-2GB	48	2KJ8508-4GC	52
	7.2 ... 63	285	41.6	2.8	2KJ8508-2GB	48	2KJ8508-4GC	52
	8.3 ... 72	250	36.26	3.1	2KJ8508-2GB	48	2KJ8508-4GC	52
K.69-LE90S.								
	3 ... 26	690	99.64	0.87	2KJ8507-2GB	43	2KJ8507-4GC	47
	3.3 ... 28	635	91.98	0.94	2KJ8507-2GB	43	2KJ8507-4GC	47
	3.6 ... 31	580	83.96	1	2KJ8507-2GB	43	2KJ8507-4GC	47
	4.3 ... 37	480	69.67	1.2	2KJ8507-2GB	43	2KJ8507-4GC	47
	4.6 ... 40	455	65.57	1.3	2KJ8507-2GB	43	2KJ8507-4GC	47
	4.8 ... 42	430	61.93	1.4	2KJ8507-2GB	43	2KJ8507-4GC	47
	5.7 ... 50	365	52.69	1.6	2KJ8507-2GB	43	2KJ8507-4GC	47
	6.6 ... 58	310	45.14	1.9	2KJ8507-2GB	43	2KJ8507-4GC	47
	7.6 ... 66	275	39.69	2.2	2KJ8507-2GB	43	2KJ8507-4GC	47
	9 ... 78	230	33.48	2.5	2KJ8507-2GB	43	2KJ8507-4GC	47
	10.3 ... 89	200	29.18	2.7	2KJ8507-2GB	43	2KJ8507-4GC	47
	11.5 ... 100	181	26.05	3.3	2KJ8507-2GB	43	2KJ8507-4GC	47
	12.2 ... 106	170	24.52	3.5	2KJ8507-2GB	43	2KJ8507-4GC	47
K.49-LE90S.								
	4.2 ... 36	495	71.82	0.84	2KJ8505-2GB	36	2KJ8505-4GC	40
	4.7 ... 41	440	63.59	0.95	2KJ8505-2GB	36	2KJ8505-4GC	40
	5.7 ... 49	365	52.93	1.1	2KJ8505-2GB	36	2KJ8505-4GC	40
	6 ... 52	345	49.82	1.2	2KJ8505-2GB	36	2KJ8505-4GC	40
	6.7 ... 58	310	44.63	1.4	2KJ8505-2GB	36	2KJ8505-4GC	40
	7.9 ... 69	260	38	1.6	2KJ8505-2GB	36	2KJ8505-4GC	40
	9.2 ... 80	225	32.57	1.9	2KJ8505-2GB	36	2KJ8505-4GC	40
	10.7 ... 93	195	28.05	2.2	2KJ8505-2GB	36	2KJ8505-4GC	40
	11.4 ... 99	183	26.3	2.3	2KJ8505-2GB	36	2KJ8505-4GC	40
	12.9 ... 112	162	23.28	2.6	2KJ8505-2GB	36	2KJ8505-4GC	40
	15.5 ... 135	135	19.38	3.1	2KJ8505-2GB	36	2KJ8505-4GC	40
	16.4 ... 143	127	18.24	3.3	2KJ8505-2GB	36	2KJ8505-4GC	40
	18.4 ... 160	114	16.34	3.7	2KJ8505-2GB	36	2KJ8505-4GC	40
B.49-LE90S.								
	5.1 ... 44	410	59.28	1.1	2KJ8503-2GB	34	2KJ8503-4GC	38
	5.6 ... 48	375	53.89	1.2	2KJ8503-2GB	34	2KJ8503-4GC	38
	6.5 ... 57	315	45.83	1.4	2KJ8503-2GB	34	2KJ8503-4GC	38
	7.2 ... 63	290	41.67	1.6	2KJ8503-2GB	34	2KJ8503-4GC	38
	8.1 ... 70	255	37.18	1.7	2KJ8503-2GB	34	2KJ8503-4GC	38
	9 ... 78	230	33.33	1.9	2KJ8503-2GB	34	2KJ8503-4GC	38
	10 ... 87	205	30.05	2.2	2KJ8503-2GB	34	2KJ8503-4GC	38
	10.8 ... 94	193	27.74	2.3	2KJ8503-2GB	34	2KJ8503-4GC	38
	11.8 ... 103	176	25.32	2.6	2KJ8503-2GB	34	2KJ8503-4GC	38
	14.3 ... 124	146	21.01	3.1	2KJ8503-2GB	34	2KJ8503-4GC	38
	15.2 ... 132	137	19.77	3.3	2KJ8503-2GB	34	2KJ8503-4GC	38
	16.1 ... 140	130	18.67	3.5	2KJ8503-2GB	34	2KJ8503-4GC	38
K.39-LE90S.								
	7.8 ... 68	265	38.48	0.82	2KJ8504-2GB	30	2KJ8504-4GC	34
	8.3 ... 72	250	36.21	0.87	2KJ8504-2GB	30	2KJ8504-4GC	34
	9.4 ... 82	220	31.92	0.99	2KJ8504-2GB	30	2KJ8504-4GC	34
	10.8 ... 94	193	27.7	1.1	2KJ8504-2GB	30	2KJ8504-4GC	34
	11.2 ... 97	187	26.89	1.2	2KJ8504-2GB	30	2KJ8504-4GC	34

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	0 1, 2 or 3	
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G	
Special versions	see Chapter 4 „Additional Order options“	...	

Bevel geared motors

Selection and ordering data

Control range 1:8.7

Innomotics SG G115D · Control range 1:8.7 / Motor Drehzahlbereich 300 ... 2610 rpm																			
P _N	n ₂	T ₂	i	f _B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4											
					Article No.	m		Article No.	m										
kW	rpm	Nm	-	-	(Article No. supplements see below)			(Article No. supplements see below)											
1.9	K.39-LE90S.																		
12.5 ... 109	167	23.97	1.3		2KJ8504-2GB	-5	P1	-Z	30	2KJ8504-4GC	-5	P1	-Z	34					
13.6 ... 118	154	22.12	1.4		2KJ8504-2GB	-5	N1	-Z	30	2KJ8504-4GC	-5	N1	-Z	34					
15.5 ... 135	135	19.37	1.6		2KJ8504-2GB	-5	M1	-Z	30	2KJ8504-4GC	-5	M1	-Z	34					
17.7 ... 154	118	16.98	1.9		2KJ8504-2GB	-5	L1	-Z	30	2KJ8504-4GC	-5	L1	-Z	34					
19.5 ... 169	107	15.41	2.1		2KJ8504-2GB	-5	K1	-Z	30	2KJ8504-4GC	-5	K1	-Z	34					
21 ... 180	101	14.5	2.2		2KJ8504-2GB	-5	J1	-Z	30	2KJ8504-4GC	-5	J1	-Z	34					
23 ... 204	89	12.78	2.5		2KJ8504-2GB	-5	H1	-Z	30	2KJ8504-4GC	-5	H1	-Z	34					
27 ... 235	77	11.09	2.9		2KJ8504-2GB	-5	G1	-Z	30	2KJ8504-4GC	-5	G1	-Z	34					
30 ... 260	70	10.04	2.6		2KJ8504-2GB	-5	F1	-Z	30	2KJ8504-4GC	-5	F1	-Z	34					
34 ... 296	61	8.81	3		2KJ8504-2GB	-5	E1	-Z	30	2KJ8504-4GC	-5	E1	-Z	34					
38 ... 327	56	7.99	3.2		2KJ8504-2GB	-5	D1	-Z	30	2KJ8504-4GC	-5	D1	-Z	34					
40 ... 347	52	7.52	3.3		2KJ8504-2GB	-5	C1	-Z	30	2KJ8504-4GC	-5	C1	-Z	34					
45 ... 394	46	6.63	3.5		2KJ8504-2GB	-5	B1	-Z	30	2KJ8504-4GC	-5	B1	-Z	34					
52 ... 454	40	5.75	3.8		2KJ8504-2GB	-5	A1	-Z	30	2KJ8504-4GC	-5	A1	-Z	34					
	B.39-LE90S.																		
6.8 ... 59	305	44	0.82		2KJ8502-2GB	-5	W1	-Z	29	2KJ8502-4GC	-5	W1	-Z	33					
7.5 ... 65	275	40	0.83		2KJ8502-2GB	-5	V1	-Z	29	2KJ8502-4GC	-5	V1	-Z	33					
8.8 ... 76	235	34.22	1.1		2KJ8502-2GB	-5	U1	-Z	29	2KJ8502-4GC	-5	U1	-Z	33					
9.6 ... 84	215	31.11	1.2		2KJ8502-2GB	-5	T1	-Z	29	2KJ8502-4GC	-5	T1	-Z	33					
10.9 ... 95	191	27.5	1.3		2KJ8502-2GB	-5	S1	-Z	29	2KJ8502-4GC	-5	S1	-Z	33					
12 ... 104	174	25	1.4		2KJ8502-2GB	-5	R1	-Z	29	2KJ8502-4GC	-5	R1	-Z	33					
13.7 ... 119	152	21.9	1.6		2KJ8502-2GB	-5	Q1	-Z	29	2KJ8502-4GC	-5	Q1	-Z	33					
14.8 ... 129	141	20.21	1.8		2KJ8502-2GB	-5	P1	-Z	29	2KJ8502-4GC	-5	P1	-Z	33					
16.8 ... 146	124	17.9	2		2KJ8502-2GB	-5	N1	-Z	29	2KJ8502-4GC	-5	N1	-Z	33					
20 ... 175	104	14.9	2.4		2KJ8502-2GB	-5	M1	-Z	29	2KJ8502-4GC	-5	M1	-Z	33					
21 ... 186	98	14.02	2.6		2KJ8502-2GB	-5	L1	-Z	29	2KJ8502-4GC	-5	L1	-Z	33					
24 ... 208	87	12.56	2.9		2KJ8502-2GB	-5	K1	-Z	29	2KJ8502-4GC	-5	K1	-Z	33					
28 ... 244	74	10.69	3.2		2KJ8502-2GB	-5	J1	-Z	29	2KJ8502-4GC	-5	J1	-Z	33					
33 ... 285	64	9.17	3.6		2KJ8502-2GB	-5	H1	-Z	29	2KJ8502-4GC	-5	H1	-Z	33					
38 ... 331	55	7.89	4		2KJ8502-2GB	-5	G1	-Z	29	2KJ8502-4GC	-5	G1	-Z	33					
	B.29-LE90S.																		
16.8 ... 146	124	17.82	0.89		2KJ8501-2GB	-5	R1	-Z	24	2KJ8501-4GC	-5	R1	-Z	28					
18.2 ... 159	114	16.45	0.96		2KJ8501-2GB	-5	Q1	-Z	24	2KJ8501-4GC	-5	Q1	-Z	28					
21 ... 181	100	14.4	1.1		2KJ8501-2GB	-5	P1	-Z	24	2KJ8501-4GC	-5	P1	-Z	28					
24 ... 207	88	12.63	1.3		2KJ8501-2GB	-5	N1	-Z	24	2KJ8501-4GC	-5	N1	-Z	28					
26 ... 228	80	11.46	1.4		2KJ8501-2GB	-5	M1	-Z	24	2KJ8501-4GC	-5	M1	-Z	28					
28 ... 242	75	10.78	1.5		2KJ8501-2GB	-5	L1	-Z	24	2KJ8501-4GC	-5	L1	-Z	28					
32 ... 274	66	9.51	1.7		2KJ8501-2GB	-5	K1	-Z	24	2KJ8501-4GC	-5	K1	-Z	28					
36 ... 316	57	8.25	1.9		2KJ8501-2GB	-5	J1	-Z	24	2KJ8501-4GC	-5	J1	-Z	28					
38 ... 333	54	7.84	1.4		2KJ8501-2GB	-5	H1	-Z	24	2KJ8501-4GC	-5	H1	-Z	28					
41 ... 354	51	7.38	1.5		2KJ8501-2GB	-5	G1	-Z	24	2KJ8501-4GC	-5	G1	-Z	28					
46 ... 401	45	6.51	1.7		2KJ8501-2GB	-5	F1	-Z	24	2KJ8501-4GC	-5	F1	-Z	28					
53 ... 462	39	5.65	1.9		2KJ8501-2GB	-5	E1	-Z	24	2KJ8501-4GC	-5	E1	-Z	28					
59 ... 515	35	5.07	2.1		2KJ8501-2GB	-5	D1	-Z	24	2KJ8501-4GC	-5	D1	-Z	28					
63 ... 546	33	4.78	2.2		2KJ8501-2GB	-5	C1	-Z	24	2KJ8501-4GC	-5	C1	-Z	28					
71 ... 620	29	4.21	2.5		2KJ8501-2GB	-5	B1	-Z	24	2KJ8501-4GC	-5	B1	-Z	28					
82 ... 715	25	3.65	2.9		2KJ8501-2GB	-5	A1	-Z	24	2KJ8501-4GC	-5	A1	-Z	28					
	K.109-LE90L.																		
1.4 ... 12	2060	216.65	1.4		2KJ8511-2GG	-5	H2	-Z	110	2KJ8511-4GH	-5	H2	-Z	113					
1.5 ... 13.3	1860	195.6	1.6		2KJ8511-2GG	-5	G2	-Z	110	2KJ8511-4GH	-5	G2	-Z	113					
1.7 ... 14.7	1680	177.43	1.7		2KJ8511-2GG	-5	F2	-Z	110	2KJ8511-4GH	-5	F2	-Z	113					
1.8 ... 15.9	1550	163.78	1.9		2KJ8511-2GG	-5	E2	-Z	110	2KJ8511-4GH	-5	E2	-Z	113					
2 ... 17.5	1410	148.88	2		2KJ8511-2GG	-5	D2	-Z	110	2KJ8511-4GH	-5	D2	-Z	113					
2.4 ... 21	1190	126.07	2.4		2KJ8511-2GG	-5	C2	-Z	110	2KJ8511-4GH	-5	C2	-Z	113					
2.5 ... 22	1120	118.65	2.6		2KJ8511-2GG	-5	B2	-Z	110	2KJ8511-4GH	-5	B2	-Z	113					
2.7 ... 24	1040	109.57	2.8		2KJ8511-2GG	-5	A2	-Z	110	2KJ8511-4GH	-5	A2	-Z	113					
3.1 ... 27	925	97.49	3.1		2KJ8511-2GG	-5	X1	-Z	110	2KJ8511-4GH	-5	X1	-Z	113					
Article No. supplements					Order code					Order code									
Motor temperature sensor		without with Pt1000		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Motor brake		without with see Seite 5/2		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Motor brake (brake voltage 180 V DC)				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Converter fieldbus communication		see Seite 5/2		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Special versions see Chapter 4 „Additional Order options“					...+...					...+...									

Selection and ordering data

Control range 1:8.7

Innomotics SG G115D · Control range 1:8.7 / Motor Drehzahlbereich 300 ... 2610 rpm								
P _N	n ₂	T ₂	i	f _B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
kW	rpm	Nm	-	-				
2.6	K.89-LE90L.							
	1.4 ... 12.4	2000	210.72	0.8	2KJ8510-2GG -5 J2 -Z	73	2KJ8510-4GH -5 J2 -Z	76
	1.6 ... 13.8	1790	189.01	0.89	2KJ8510-2GG -5 H2 -Z	73	2KJ8510-4GH -5 H2 -Z	76
	1.8 ... 15.4	1610	169.94	0.99	2KJ8510-2GG -5 G2 -Z	73	2KJ8510-4GH -5 G2 -Z	76
	2 ... 17	1460	153.7	1.1	2KJ8510-2GG -5 F2 -Z	73	2KJ8510-4GH -5 F2 -Z	76
	2.1 ... 18.4	1350	141.88	1.2	2KJ8510-2GG -5 E2 -Z	73	2KJ8510-4GH -5 E2 -Z	76
	2.3 ... 20	1230	129.96	1.3	2KJ8510-2GG -5 D2 -Z	73	2KJ8510-4GH -5 D2 -Z	76
	2.8 ... 24	1030	109.04	1.5	2KJ8510-2GG -5 C2 -Z	73	2KJ8510-4GH -5 C2 -Z	76
	2.9 ... 25	975	102.63	1.6	2KJ8510-2GG -5 B2 -Z	73	2KJ8510-4GH -5 B2 -Z	76
	3.2 ... 28	895	94.16	1.8	2KJ8510-2GG -5 A2 -Z	73	2KJ8510-4GH -5 A2 -Z	76
	3.6 ... 32	780	82.25	2	2KJ8510-2GG -5 X1 -Z	73	2KJ8510-4GH -5 X1 -Z	76
	4.1 ... 35	700	73.64	2.3	2KJ8510-2GG -5 W1 -Z	73	2KJ8510-4GH -5 W1 -Z	76
	4.7 ... 41	610	64.39	2.6	2KJ8510-2GG -5 V1 -Z	73	2KJ8510-4GH -5 V1 -Z	76
	5.4 ... 47	525	55.27	3	2KJ8510-2GG -5 U1 -Z	73	2KJ8510-4GH -5 U1 -Z	76
	K.79-LE90L.							
	2.9 ... 25	990	104.32	0.83	2KJ8508-2GG -5 A2 -Z	51	2KJ8508-4GH -5 A2 -Z	54
	3.5 ... 30	820	86.56	1	2KJ8508-2GG -5 X1 -Z	51	2KJ8508-4GH -5 X1 -Z	54
	3.7 ... 32	775	81.47	1.1	2KJ8508-2GG -5 W1 -Z	51	2KJ8508-4GH -5 W1 -Z	54
	3.9 ... 34	730	76.94	1.1	2KJ8508-2GG -5 V1 -Z	51	2KJ8508-4GH -5 V1 -Z	54
	4.6 ... 40	620	65.47	1.3	2KJ8508-2GG -5 U1 -Z	51	2KJ8508-4GH -5 U1 -Z	54
	5.3 ... 47	530	56.08	1.5	2KJ8508-2GG -5 T1 -Z	51	2KJ8508-4GH -5 T1 -Z	54
	6.1 ... 53	465	49.31	1.7	2KJ8508-2GG -5 S1 -Z	51	2KJ8508-4GH -5 S1 -Z	54
	7.2 ... 63	395	41.6	2	2KJ8508-2GG -5 R1 -Z	51	2KJ8508-4GH -5 R1 -Z	54
	8.3 ... 72	345	36.26	2.2	2KJ8508-2GG -5 Q1 -Z	51	2KJ8508-4GH -5 Q1 -Z	54
	9.2 ... 80	310	32.78	2.6	2KJ8508-2GG -5 P1 -Z	51	2KJ8508-4GH -5 P1 -Z	54
	11 ... 96	255	27.2	3.1	2KJ8508-2GG -5 N1 -Z	51	2KJ8508-4GH -5 N1 -Z	54
	11.7 ... 102	240	25.6	3.2	2KJ8508-2GG -5 M1 -Z	51	2KJ8508-4GH -5 M1 -Z	54
	12.4 ... 108	230	24.17	3.3	2KJ8508-2GG -5 L1 -Z	51	2KJ8508-4GH -5 L1 -Z	54
	K.69-LE90L.							
	4.3 ... 37	660	69.67	0.91	2KJ8507-2GG -5 W1 -Z	46	2KJ8507-4GH -5 W1 -Z	49
	4.6 ... 40	620	65.57	0.96	2KJ8507-2GG -5 V1 -Z	46	2KJ8507-4GH -5 V1 -Z	49
	4.8 ... 42	585	61.93	1	2KJ8507-2GG -5 U1 -Z	46	2KJ8507-4GH -5 U1 -Z	49
	5.7 ... 50	500	52.69	1.2	2KJ8507-2GG -5 T1 -Z	46	2KJ8507-4GH -5 T1 -Z	49
	6.6 ... 58	425	45.14	1.4	2KJ8507-2GG -5 S1 -Z	46	2KJ8507-4GH -5 S1 -Z	49
	7.6 ... 66	375	39.69	1.6	2KJ8507-2GG -5 R1 -Z	46	2KJ8507-4GH -5 R1 -Z	49
	9 ... 78	315	33.48	1.8	2KJ8507-2GG -5 Q1 -Z	46	2KJ8507-4GH -5 Q1 -Z	49
	10.3 ... 89	275	29.18	2	2KJ8507-2GG -5 P1 -Z	46	2KJ8507-4GH -5 P1 -Z	49
	11.5 ... 100	245	26.05	2.4	2KJ8507-2GG -5 N1 -Z	46	2KJ8507-4GH -5 N1 -Z	49
	12.2 ... 106	230	24.52	2.6	2KJ8507-2GG -5 M1 -Z	46	2KJ8507-4GH -5 M1 -Z	49
	13 ... 113	220	23.15	2.7	2KJ8507-2GG -5 L1 -Z	46	2KJ8507-4GH -5 L1 -Z	49
	15.2 ... 132	187	19.7	3	2KJ8507-2GG -5 K1 -Z	46	2KJ8507-4GH -5 K1 -Z	49
	17.8 ... 155	161	16.88	3.3	2KJ8507-2GG -5 J1 -Z	46	2KJ8507-4GH -5 J1 -Z	49
	20 ... 176	141	14.84	3.6	2KJ8507-2GG -5 H1 -Z	46	2KJ8507-4GH -5 H1 -Z	49
	K.49-LE90L.							
	5.7 ... 49	500	52.93	0.83	2KJ8505-2GG -5 V1 -Z	39	2KJ8505-4GH -5 V1 -Z	42
	6 ... 52	470	49.82	0.89	2KJ8505-2GG -5 U1 -Z	39	2KJ8505-4GH -5 U1 -Z	42
	6.7 ... 58	425	44.63	0.99	2KJ8505-2GG -5 T1 -Z	39	2KJ8505-4GH -5 T1 -Z	42
	7.9 ... 69	360	38	1.2	2KJ8505-2GG -5 S1 -Z	39	2KJ8505-4GH -5 S1 -Z	42
	9.2 ... 80	310	32.57	1.4	2KJ8505-2GG -5 R1 -Z	39	2KJ8505-4GH -5 R1 -Z	42
	10.7 ... 93	265	28.05	1.6	2KJ8505-2GG -5 Q1 -Z	39	2KJ8505-4GH -5 Q1 -Z	42
	11.4 ... 99	250	26.3	1.7	2KJ8505-2GG -5 P1 -Z	39	2KJ8505-4GH -5 P1 -Z	42
	12.9 ... 112	220	23.28	1.9	2KJ8505-2GG -5 N1 -Z	39	2KJ8505-4GH -5 N1 -Z	42
	15.5 ... 135	184	19.38	2.3	2KJ8505-2GG -5 M1 -Z	39	2KJ8505-4GH -5 M1 -Z	42
	16.4 ... 143	174	18.24	2.4	2KJ8505-2GG -5 L1 -Z	39	2KJ8505-4GH -5 L1 -Z	42
	18.4 ... 160	155	16.34	2.7	2KJ8505-2GG -5 K1 -Z	39	2KJ8505-4GH -5 K1 -Z	42
	22 ... 188	132	13.91	3.2	2KJ8505-2GG -5 J1 -Z	39	2KJ8505-4GH -5 J1 -Z	42
	25 ... 219	113	11.93	3.7	2KJ8505-2GG -5 H1 -Z	39	2KJ8505-4GH -5 H1 -Z	42
	31 ... 268	93	9.75	3	2KJ8505-2GG -5 F1 -Z	39	2KJ8505-4GH -5 F1 -Z	42
	33 ... 284	87	9.18	3.1	2KJ8505-2GG -5 E1 -Z	39	2KJ8505-4GH -5 E1 -Z	42

5

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	1, 2 or 3	1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions see Chapter 4 „Additional Order options“		...+...	...+...

Selection and ordering data

Control range 1:8.7

Innomotics SG G115D · Control range 1:8.7 / Motor Drehzahlbereich 300 ... 2610 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
					Article No. (Article No. supplements see below)	m kg		Article No. (Article No. supplements see below)	m kg	
2.6	B.29-LE90L.									
38 ... 333	75	7.84	1		2KJ8501-2GG	■ -5 ■ H1 -Z	27	2KJ8501-4GH	■ -5 ■ H1 -Z	30
41 ... 354	70	7.38	1.1		2KJ8501-2GG	■ -5 ■ G1 -Z	27	2KJ8501-4GH	■ -5 ■ G1 -Z	30
46 ... 401	62	6.51	1.2		2KJ8501-2GG	■ -5 ■ F1 -Z	27	2KJ8501-4GH	■ -5 ■ F1 -Z	30
53 ... 462	54	5.65	1.4		2KJ8501-2GG	■ -5 ■ E1 -Z	27	2KJ8501-4GH	■ -5 ■ E1 -Z	30
59 ... 515	48	5.07	1.5		2KJ8501-2GG	■ -5 ■ D1 -Z	27	2KJ8501-4GH	■ -5 ■ D1 -Z	30
63 ... 546	46	4.78	1.6		2KJ8501-2GG	■ -5 ■ C1 -Z	27	2KJ8501-4GH	■ -5 ■ C1 -Z	30
71 ... 620	40	4.21	1.8		2KJ8501-2GG	■ -5 ■ B1 -Z	27	2KJ8501-4GH	■ -5 ■ B1 -Z	30
82 ... 715	35	3.65	2.1		2KJ8501-2GG	■ -5 ■ A1 -Z	27	2KJ8501-4GH	■ -5 ■ A1 -Z	30
3.8	K.109-LE100LA.									
1.4 ... 12	3020	216.65	0.96		2KJ8511-2JB	■ -5 ■ H2 -Z	125	-	-	-
1.5 ... 13.3	2720	195.6	1.1		2KJ8511-2JB	■ -5 ■ G2 -Z	125	-	-	-
1.7 ... 14.7	2470	177.43	1.2		2KJ8511-2JB	■ -5 ■ F2 -Z	125	-	-	-
1.8 ... 15.9	2280	163.78	1.3		2KJ8511-2JB	■ -5 ■ E2 -Z	125	-	-	-
2 ... 17.5	2070	148.88	1.4		2KJ8511-2JB	■ -5 ■ D2 -Z	125	-	-	-
2.4 ... 21	1750	126.07	1.7		2KJ8511-2JB	■ -5 ■ C2 -Z	125	-	-	-
2.5 ... 22	1650	118.65	1.8		2KJ8511-2JB	■ -5 ■ B2 -Z	125	-	-	-
2.7 ... 24	1520	109.57	1.9		2KJ8511-2JB	■ -5 ■ A2 -Z	125	-	-	-
3.1 ... 27	1350	97.49	2.1		2KJ8511-2JB	■ -5 ■ X1 -Z	125	-	-	-
3.5 ... 30	1200	86.59	2.4		2KJ8511-2JB	■ -5 ■ W1 -Z	125	-	-	-
3.9 ... 34	1080	77.51	2.7		2KJ8511-2JB	■ -5 ■ V1 -Z	125	-	-	-
4.5 ... 39	920	66.26	3.1		2KJ8511-2JB	■ -5 ■ U1 -Z	125	-	-	-
K.109-LE112MA.										
1.4 ... 12	3020	216.65	0.96		-	-	-	2KJ8511-4LC	■ -5 ■ H2 -Z	129
1.5 ... 13.3	2720	195.6	1.1		-	-	-	2KJ8511-4LC	■ -5 ■ G2 -Z	129
1.7 ... 14.7	2470	177.43	1.2		-	-	-	2KJ8511-4LC	■ -5 ■ F2 -Z	129
1.8 ... 15.9	2280	163.78	1.3		-	-	-	2KJ8511-4LC	■ -5 ■ E2 -Z	129
2 ... 17.5	2070	148.88	1.4		-	-	-	2KJ8511-4LC	■ -5 ■ D2 -Z	129
2.4 ... 21	1750	126.07	1.7		-	-	-	2KJ8511-4LC	■ -5 ■ C2 -Z	129
2.5 ... 22	1650	118.65	1.8		-	-	-	2KJ8511-4LC	■ -5 ■ B2 -Z	129
2.7 ... 24	1520	109.57	1.9		-	-	-	2KJ8511-4LC	■ -5 ■ A2 -Z	129
3.1 ... 27	1350	97.49	2.1		-	-	-	2KJ8511-4LC	■ -5 ■ X1 -Z	129
3.5 ... 30	1200	86.59	2.4		-	-	-	2KJ8511-4LC	■ -5 ■ W1 -Z	129
3.9 ... 34	1080	77.51	2.7		-	-	-	2KJ8511-4LC	■ -5 ■ V1 -Z	129
4.5 ... 39	920	66.26	3.1		-	-	-	2KJ8511-4LC	■ -5 ■ U1 -Z	129
K.89-LE100LA.										
2.1 ... 18.4	1970	141.88	0.81		2KJ8510-2JB	■ -5 ■ E2 -Z	90	-	-	-
2.3 ... 20	1810	129.96	0.88		2KJ8510-2JB	■ -5 ■ D2 -Z	90	-	-	-
2.8 ... 24	1520	109.04	1.1		2KJ8510-2JB	■ -5 ■ C2 -Z	90	-	-	-
2.9 ... 25	1430	102.63	1.1		2KJ8510-2JB	■ -5 ■ B2 -Z	90	-	-	-
3.2 ... 28	1310	94.16	1.2		2KJ8510-2JB	■ -5 ■ A2 -Z	90	-	-	-
3.6 ... 32	1140	82.25	1.4		2KJ8510-2JB	■ -5 ■ X1 -Z	90	-	-	-
4.1 ... 35	1020	73.64	1.6		2KJ8510-2JB	■ -5 ■ W1 -Z	90	-	-	-
4.7 ... 41	895	64.39	1.8		2KJ8510-2JB	■ -5 ■ V1 -Z	90	-	-	-
5.4 ... 47	770	55.27	2.1		2KJ8510-2JB	■ -5 ■ U1 -Z	90	-	-	-
6.1 ... 53	680	48.85	2.3		2KJ8510-2JB	■ -5 ■ T1 -Z	90	-	-	-
7.2 ... 63	575	41.54	2.7		2KJ8510-2JB	■ -5 ■ S1 -Z	90	-	-	-
7.6 ... 66	545	39.29	2.9		2KJ8510-2JB	■ -5 ■ R1 -Z	90	-	-	-
K.89-LE112MA.										
2.1 ... 18.4	1970	141.88	0.81		-	-	-	2KJ8510-4LC	■ -5 ■ E2 -Z	93
2.3 ... 20	1810	129.96	0.88		-	-	-	2KJ8510-4LC	■ -5 ■ D2 -Z	93
2.8 ... 24	1520	109.04	1.1		-	-	-	2KJ8510-4LC	■ -5 ■ C2 -Z	93
2.9 ... 25	1430	102.63	1.1		-	-	-	2KJ8510-4LC	■ -5 ■ B2 -Z	93
3.2 ... 28	1310	94.16	1.2		-	-	-	2KJ8510-4LC	■ -5 ■ A2 -Z	93
3.6 ... 32	1140	82.25	1.4		-	-	-	2KJ8510-4LC	■ -5 ■ X1 -Z	93
4.1 ... 35	1020	73.64	1.6		-	-	-	2KJ8510-4LC	■ -5 ■ W1 -Z	93
4.7 ... 41	895	64.39	1.8		-	-	-	2KJ8510-4LC	■ -5 ■ V1 -Z	93
5.4 ... 47	770	55.27	2.1		-	-	-	2KJ8510-4LC	■ -5 ■ U1 -Z	93
6.1 ... 53	680	48.85	2.3		-	-	-	2KJ8510-4LC	■ -5 ■ T1 -Z	93

Article No. supplements

Motor temperature sensor

without
with Pt1000

0
1

Motor brake

(brake voltage 180 V DC)

without
with see Seite 5/2

1, 2 or 3
B, C, D, E, F or G

Converter fieldbus communication see Seite 5/2

Special versions see Chapter 4 „Additional Order options“

Order code

Order code

1, 2 or 3
B, C, D, E, F or G

...+...

...+...

Bevel geared motors

Selection and ordering data

Control range 1:8.7

Innomotics SG G115D · Control range 1:8.7 / Motor Drehzahlbereich 300 ... 2610 rpm

P_N kW	n_2 rpm	T_2 Nm	i	f_B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4			
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg		
3.8	K.89-LE112MA.									
	7.2 ... 63	575	41.54	2.7	-	-	2KJ8510-4LC	■ ■ -5 ■ S1 -Z	93	
	7.6 ... 66	545	39.29	2.9	-	-	2KJ8510-4LC	■ ■ -5 ■ R1 -Z	93	
	K.79-LE112MA.									
	4.6 ... 40	910	65.47	0.9	-	-	2KJ8508-4LC	■ ■ -5 ■ U1 -Z	73	
	5.3 ... 47	780	56.08	1	-	-	2KJ8508-4LC	■ ■ -5 ■ T1 -Z	73	
	6.1 ... 53	685	49.31	1.2	-	-	2KJ8508-4LC	■ ■ -5 ■ S1 -Z	73	
	7.2 ... 63	580	41.6	1.4	-	-	2KJ8508-4LC	■ ■ -5 ■ R1 -Z	73	
	8.3 ... 72	505	36.26	1.5	-	-	2KJ8508-4LC	■ ■ -5 ■ Q1 -Z	73	
	9.2 ... 80	455	32.78	1.8	-	-	2KJ8508-4LC	■ ■ -5 ■ P1 -Z	73	
	11 ... 96	375	27.2	2.1	-	-	2KJ8508-4LC	■ ■ -5 ■ N1 -Z	73	
	11.7 ... 102	355	25.6	2.2	-	-	2KJ8508-4LC	■ ■ -5 ■ M1 -Z	73	
	12.4 ... 108	335	24.17	2.3	-	-	2KJ8508-4LC	■ ■ -5 ■ L1 -Z	73	
	14.6 ... 127	285	20.57	2.6	-	-	2KJ8508-4LC	■ ■ -5 ■ K1 -Z	73	
	17 ... 148	245	17.62	2.9	-	-	2KJ8508-4LC	■ ■ -5 ■ J1 -Z	73	
19.4 ... 168	215	15.49	3.2	-	-	2KJ8508-4LC	■ ■ -5 ■ H1 -Z	73		
23 ... 200	182	13.07	3.6	-	-	2KJ8508-4LC	■ ■ -5 ■ G1 -Z	73		
29 ... 248	147	10.51	3	-	-	2KJ8508-4LC	■ ■ -5 ■ E1 -Z	73		
33 ... 290	126	9.01	3.6	-	-	2KJ8508-4LC	■ ■ -5 ■ D1 -Z	73		
K.79-LE100LA.										
4.6 ... 40	910	65.47	0.9			2KJ8508-2JB	■ ■ -5 ■ U1 -Z	69	-	
5.3 ... 47	780	56.08	1			2KJ8508-2JB	■ ■ -5 ■ T1 -Z	69	-	
6.1 ... 53	685	49.31	1.2			2KJ8508-2JB	■ ■ -5 ■ S1 -Z	69	-	
7.2 ... 63	580	41.6	1.4			2KJ8508-2JB	■ ■ -5 ■ R1 -Z	69	-	
8.3 ... 72	505	36.26	1.5			2KJ8508-2JB	■ ■ -5 ■ Q1 -Z	69	-	
9.2 ... 80	455	32.78	1.8			2KJ8508-2JB	■ ■ -5 ■ P1 -Z	69	-	
11 ... 96	375	27.2	2.1			2KJ8508-2JB	■ ■ -5 ■ N1 -Z	69	-	
11.7 ... 102	355	25.6	2.2			2KJ8508-2JB	■ ■ -5 ■ M1 -Z	69	-	
12.4 ... 108	335	24.17	2.3			2KJ8508-2JB	■ ■ -5 ■ L1 -Z	69	-	
14.6 ... 127	285	20.57	2.6			2KJ8508-2JB	■ ■ -5 ■ K1 -Z	69	-	
17 ... 148	245	17.62	2.9			2KJ8508-2JB	■ ■ -5 ■ J1 -Z	69	-	
19.4 ... 168	215	15.49	3.2			2KJ8508-2JB	■ ■ -5 ■ H1 -Z	69	-	
23 ... 200	182	13.07	3.6			2KJ8508-2JB	■ ■ -5 ■ G1 -Z	69	-	
29 ... 248	147	10.51	3			2KJ8508-2JB	■ ■ -5 ■ E1 -Z	69	-	
33 ... 290	126	9.01	3.6			2KJ8508-2JB	■ ■ -5 ■ D1 -Z	69	-	
K.69-LE100LA.										
5.7 ... 50	735	52.69	0.82			2KJ8507-2JB	■ ■ -5 ■ T1 -Z	63	-	
6.6 ... 58	625	45.14	0.95			2KJ8507-2JB	■ ■ -5 ■ S1 -Z	63	-	
7.6 ... 66	550	39.69	1.1			2KJ8507-2JB	■ ■ -5 ■ R1 -Z	63	-	
9 ... 78	465	33.48	1.2			2KJ8507-2JB	■ ■ -5 ■ Q1 -Z	63	-	
10.3 ... 89	405	29.18	1.4			2KJ8507-2JB	■ ■ -5 ■ P1 -Z	63	-	
11.5 ... 100	360	26.05	1.7			2KJ8507-2JB	■ ■ -5 ■ N1 -Z	63	-	
12.2 ... 106	340	24.52	1.7			2KJ8507-2JB	■ ■ -5 ■ M1 -Z	63	-	
13 ... 113	320	23.15	1.8			2KJ8507-2JB	■ ■ -5 ■ L1 -Z	63	-	
15.2 ... 132	275	19.7	2			2KJ8507-2JB	■ ■ -5 ■ K1 -Z	63	-	
17.8 ... 155	235	16.88	2.3			2KJ8507-2JB	■ ■ -5 ■ J1 -Z	63	-	
20 ... 176	205	14.84	2.5			2KJ8507-2JB	■ ■ -5 ■ H1 -Z	63	-	
24 ... 208	175	12.52	2.8			2KJ8507-2JB	■ ■ -5 ■ G1 -Z	63	-	
27 ... 239	152	10.91	3.1			2KJ8507-2JB	■ ■ -5 ■ F1 -Z	63	-	
32 ... 279	130	9.34	2.8			2KJ8507-2JB	■ ■ -5 ■ E1 -Z	63	-	
37 ... 326	112	8.01	3.3			2KJ8507-2JB	■ ■ -5 ■ D1 -Z	63	-	
43 ... 371	98	7.04	3.7			2KJ8507-2JB	■ ■ -5 ■ C1 -Z	63	-	
51 ... 439	83	5.94	4.2			2KJ8507-2JB	■ ■ -5 ■ B1 -Z	63	-	
K.69-LE112MA.										
5.7 ... 50	735	52.69	0.82			-	-	2KJ8507-4LC	■ ■ -5 ■ T1 -Z	67
6.6 ... 58	625	45.14	0.95			-	-	2KJ8507-4LC	■ ■ -5 ■ S1 -Z	67
7.6 ... 66	550	39.69	1.1			-	-	2KJ8507-4LC	■ ■ -5 ■ R1 -Z	67
9 ... 78	465	33.48	1.2			-	-	2KJ8507-4LC	■ ■ -5 ■ Q1 -Z	67
10.3 ... 89	405	29.18	1.4			-	-	2KJ8507-4LC	■ ■ -5 ■ P1 -Z	67

Article No. supplements		Order code		Order code
Motor temperature sensor	without with Pt1000	0 1		0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	1, 2 or 3		1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G		B, C, D, E, F or G
Special versions see Chapter 4 „Additional Order options“		...+...		...+...

Selection and ordering data

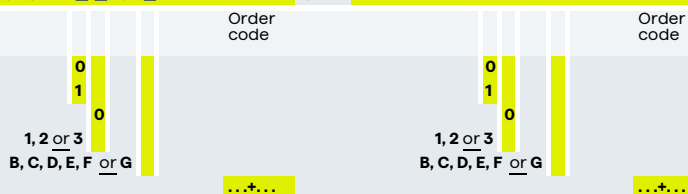
Control range 1:8.7

Innomotics SG G115D · Control range 1:8.7 / Motor Drehzahlbereich 300 ... 2610 rpm

P _N	n ₂	T ₂	i	f _B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4		
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg	
3.8	K.69-LE112MA.								
	11.5 ... 100	360	26.05	1.7	-	-	2KJ8507-4LC	■ ■ -5 ■ N1 -Z	67
	12.2 ... 106	340	24.52	1.7	-	-	2KJ8507-4LC	■ ■ -5 ■ M1 -Z	67
	13 ... 113	320	23.15	1.8	-	-	2KJ8507-4LC	■ ■ -5 ■ L1 -Z	67
	15.2 ... 132	275	19.7	2	-	-	2KJ8507-4LC	■ ■ -5 ■ K1 -Z	67
	17.8 ... 155	235	16.88	2.3	-	-	2KJ8507-4LC	■ ■ -5 ■ J1 -Z	67
	20 ... 176	205	14.84	2.5	-	-	2KJ8507-4LC	■ ■ -5 ■ H1 -Z	67
	24 ... 208	175	12.52	2.8	-	-	2KJ8507-4LC	■ ■ -5 ■ G1 -Z	67
	27 ... 239	152	10.91	3.1	-	-	2KJ8507-4LC	■ ■ -5 ■ F1 -Z	67
	32 ... 279	130	9.34	2.8	-	-	2KJ8507-4LC	■ ■ -5 ■ E1 -Z	67
	37 ... 326	112	8.01	3.3	-	-	2KJ8507-4LC	■ ■ -5 ■ D1 -Z	67
	43 ... 371	98	7.04	3.7	-	-	2KJ8507-4LC	■ ■ -5 ■ C1 -Z	67
	51 ... 439	83	5.94	4.2	-	-	2KJ8507-4LC	■ ■ -5 ■ B1 -Z	67
	K.49-LE100LA.								
	9.2 ... 80	450	32.57	0.93	2KJ8505-2JB	■ ■ -5 ■ R1 -Z	57	-	-
	10.7 ... 93	390	28.05	1.1	2KJ8505-2JB	■ ■ -5 ■ Q1 -Z	57	-	-
	11.4 ... 99	365	26.3	1.1	2KJ8505-2JB	■ ■ -5 ■ P1 -Z	57	-	-
	12.9 ... 112	325	23.28	1.3	2KJ8505-2JB	■ ■ -5 ■ N1 -Z	57	-	-
	15.5 ... 135	270	19.38	1.6	2KJ8505-2JB	■ ■ -5 ■ M1 -Z	57	-	-
	16.4 ... 143	250	18.24	1.7	2KJ8505-2JB	■ ■ -5 ■ L1 -Z	57	-	-
	18.4 ... 160	225	16.34	1.8	2KJ8505-2JB	■ ■ -5 ■ K1 -Z	57	-	-
	22 ... 188	194	13.91	2.2	2KJ8505-2JB	■ ■ -5 ■ J1 -Z	57	-	-
	25 ... 219	166	11.93	2.5	2KJ8505-2JB	■ ■ -5 ■ H1 -Z	57	-	-
	29 ... 254	143	10.27	2.9	2KJ8505-2JB	■ ■ -5 ■ G1 -Z	57	-	-
	31 ... 268	136	9.75	2	2KJ8505-2JB	■ ■ -5 ■ F1 -Z	57	-	-
	33 ... 284	128	9.18	2.1	2KJ8505-2JB	■ ■ -5 ■ E1 -Z	57	-	-
	36 ... 318	115	8.22	2.2	2KJ8505-2JB	■ ■ -5 ■ D1 -Z	57	-	-
	43 ... 373	98	7	2.5	2KJ8505-2JB	■ ■ -5 ■ C1 -Z	57	-	-
	50 ... 435	84	6	2.7	2KJ8505-2JB	■ ■ -5 ■ B1 -Z	57	-	-
	58 ... 505	72	5.17	2.9	2KJ8505-2JB	■ ■ -5 ■ A1 -Z	57	-	-
	K.49-LE112MA.								
	9.2 ... 80	450	32.57	0.93	-	-	2KJ8505-4LC	■ ■ -5 ■ R1 -Z	61
	10.7 ... 93	390	28.05	1.1	-	-	2KJ8505-4LC	■ ■ -5 ■ Q1 -Z	61
	11.4 ... 99	365	26.3	1.1	-	-	2KJ8505-4LC	■ ■ -5 ■ P1 -Z	61
	12.9 ... 112	325	23.28	1.3	-	-	2KJ8505-4LC	■ ■ -5 ■ N1 -Z	61
	15.5 ... 135	270	19.38	1.6	-	-	2KJ8505-4LC	■ ■ -5 ■ M1 -Z	61
	16.4 ... 143	250	18.24	1.7	-	-	2KJ8505-4LC	■ ■ -5 ■ L1 -Z	61
	18.4 ... 160	225	16.34	1.8	-	-	2KJ8505-4LC	■ ■ -5 ■ K1 -Z	61
	22 ... 188	194	13.91	2.2	-	-	2KJ8505-4LC	■ ■ -5 ■ J1 -Z	61
	25 ... 219	166	11.93	2.5	-	-	2KJ8505-4LC	■ ■ -5 ■ H1 -Z	61
	29 ... 254	143	10.27	2.9	-	-	2KJ8505-4LC	■ ■ -5 ■ G1 -Z	61
	31 ... 268	136	9.75	2	-	-	2KJ8505-4LC	■ ■ -5 ■ F1 -Z	61
	33 ... 284	128	9.18	2.1	-	-	2KJ8505-4LC	■ ■ -5 ■ E1 -Z	61
	36 ... 318	115	8.22	2.2	-	-	2KJ8505-4LC	■ ■ -5 ■ D1 -Z	61
	43 ... 373	98	7	2.5	-	-	2KJ8505-4LC	■ ■ -5 ■ C1 -Z	61
	50 ... 435	84	6	2.7	-	-	2KJ8505-4LC	■ ■ -5 ■ B1 -Z	61
	58 ... 505	72	5.17	2.9	-	-	2KJ8505-4LC	■ ■ -5 ■ A1 -Z	61
	B.49-LE100LA.								
	8.1 ... 70	515	37.18	0.87	2KJ8503-2JB	■ ■ -5 ■ W1 -Z	54	-	-
	9 ... 78	465	33.33	0.97	2KJ8503-2JB	■ ■ -5 ■ V1 -Z	54	-	-
	10 ... 87	415	30.05	1.1	2KJ8503-2JB	■ ■ -5 ■ U1 -Z	54	-	-
	10.8 ... 94	385	27.74	1.2	2KJ8503-2JB	■ ■ -5 ■ T1 -Z	54	-	-
	11.8 ... 103	350	25.32	1.3	2KJ8503-2JB	■ ■ -5 ■ S1 -Z	54	-	-
	14.3 ... 124	290	21.01	1.5	2KJ8503-2JB	■ ■ -5 ■ R1 -Z	54	-	-
	15.2 ... 132	275	19.77	1.6	2KJ8503-2JB	■ ■ -5 ■ Q1 -Z	54	-	-
	16.1 ... 140	260	18.67	1.7	2KJ8503-2JB	■ ■ -5 ■ P1 -Z	54	-	-
	18.9 ... 164	220	15.89	2	2KJ8503-2JB	■ ■ -5 ■ N1 -Z	54	-	-
	22 ... 192	190	13.61	2.4	2KJ8503-2JB	■ ■ -5 ■ M1 -Z	54	-	-
	25 ... 218	167	11.97	2.7	2KJ8503-2JB	■ ■ -5 ■ L1 -Z	54	-	-

Article No. supplements

- Motor temperature sensor: without / with Pt1000
- Motor brake (brake voltage 180 V DC): without / with see Seite 5/2
- Converter fieldbus communication: see Seite 5/2
- Special versions: see Chapter 4 „Additional Order options“



Bevel geared motors

Selection and ordering data

Control range 1:8.7

Innomatics SG G115D · Control range 1:8.7 / Motor Drehzahlbereich 300 ... 2610 rpm

P _N	n ₂	T ₂	i	f _B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
3.8	B.49-LE100LA.							
	30 ... 258	141	10.1	3.2	2KJ8503-2JB	54	-	-
	34 ... 297	123	8.8	3.7	2KJ8503-2JB	54	-	-
	36 ... 315	116	8.29	2.9	2KJ8503-2JB	54	-	-
	38 ... 335	109	7.8	3	2KJ8503-2JB	54	-	-
	41 ... 354	103	7.37	3.2	2KJ8503-2JB	54	-	-
	48 ... 416	87	6.27	3.8	2KJ8503-2JB	54	-	-
	B.49-LE112MA.							
	8.1 ... 70	515	37.18	0.87	-	-	2KJ8503-4LC	58
	9 ... 78	465	33.33	0.97	-	-	2KJ8503-4LC	58
	10 ... 87	415	30.05	1.1	-	-	2KJ8503-4LC	58
	10.8 ... 94	385	27.74	1.2	-	-	2KJ8503-4LC	58
	11.8 ... 103	350	25.32	1.3	-	-	2KJ8503-4LC	58
	14.3 ... 124	290	21.01	1.5	-	-	2KJ8503-4LC	58
	15.2 ... 132	275	19.77	1.6	-	-	2KJ8503-4LC	58
	16.1 ... 140	260	18.67	1.7	-	-	2KJ8503-4LC	58
	18.9 ... 164	220	15.89	2	-	-	2KJ8503-4LC	58
	22 ... 192	190	13.61	2.4	-	-	2KJ8503-4LC	58
	25 ... 218	167	11.97	2.7	-	-	2KJ8503-4LC	58
	30 ... 258	141	10.1	3.2	-	-	2KJ8503-4LC	58
	34 ... 297	123	8.8	3.7	-	-	2KJ8503-4LC	58
	36 ... 315	116	8.29	2.9	-	-	2KJ8503-4LC	58
	38 ... 335	109	7.8	3	-	-	2KJ8503-4LC	58
	41 ... 354	103	7.37	3.2	-	-	2KJ8503-4LC	58
	48 ... 416	87	6.27	3.8	-	-	2KJ8503-4LC	58
	K.39-LE112MA.							
	15.5 ... 135	270	19.37	0.81	-	-	2KJ8504-4LC	54
	17.7 ... 154	235	16.98	0.93	-	-	2KJ8504-4LC	54
	19.5 ... 169	215	15.41	1	-	-	2KJ8504-4LC	54
	21 ... 180	200	14.5	1.1	-	-	2KJ8504-4LC	54
	23 ... 204	178	12.78	1.2	-	-	2KJ8504-4LC	54
	27 ... 235	155	11.09	1.4	-	-	2KJ8504-4LC	54
	30 ... 260	140	10.04	1.3	-	-	2KJ8504-4LC	54
	34 ... 296	123	8.81	1.5	-	-	2KJ8504-4LC	54
	38 ... 327	111	7.99	1.6	-	-	2KJ8504-4LC	54
	40 ... 347	105	7.52	1.6	-	-	2KJ8504-4LC	54
	45 ... 394	92	6.63	1.7	-	-	2KJ8504-4LC	54
	52 ... 454	80	5.75	1.9	-	-	2KJ8504-4LC	54
	K.39-LE100LA.							
	15.5 ... 135	270	19.37	0.81	-	47	2KJ8504-2JB	-
	17.7 ... 154	235	16.98	0.93	-	47	2KJ8504-2JB	-
	19.5 ... 169	215	15.41	1	-	47	2KJ8504-2JB	-
	21 ... 180	200	14.5	1.1	-	47	2KJ8504-2JB	-
	23 ... 204	178	12.78	1.2	-	47	2KJ8504-2JB	-
27 ... 235	155	11.09	1.4	-	47	2KJ8504-2JB	-	
30 ... 260	140	10.04	1.3	-	47	2KJ8504-2JB	-	
34 ... 296	123	8.81	1.5	-	47	2KJ8504-2JB	-	
38 ... 327	111	7.99	1.6	-	47	2KJ8504-2JB	-	
40 ... 347	105	7.52	1.6	-	47	2KJ8504-2JB	-	
45 ... 394	92	6.63	1.7	-	47	2KJ8504-2JB	-	
52 ... 454	80	5.75	1.9	-	47	2KJ8504-2JB	-	
B.39-LE112MA.								
13.7 ... 119	305	21.9	0.82	-	-	2KJ8502-4LC	53	
14.8 ... 129	280	20.21	0.89	-	-	2KJ8502-4LC	53	
16.8 ... 146	250	17.9	1	-	-	2KJ8502-4LC	53	
20 ... 175	205	14.9	1.2	-	-	2KJ8502-4LC	53	
21 ... 186	195	14.02	1.3	-	-	2KJ8502-4LC	53	
24 ... 208	175	12.56	1.4	-	-	2KJ8502-4LC	53	
28 ... 244	149	10.69	1.6	-	-	2KJ8502-4LC	53	

Article No. supplements		Order code		Order code
Motor temperature sensor	without	0	with Pt1000	1
Motor brake	without	0	with see Seite 5/2	1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G		B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...		...

Selection and ordering data

Control range 1:8.7

Innomotics SG G115D · Control range 1:8.7 / Motor Drehzahlbereich 300 ... 2610 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B -	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4		
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg	
3.8									
B.39-LE112MA.									
33 ... 285		128	9.17	1.8	-	-	2KJ8502-4LC	■ ■ -5 ■ H1 -Z	53
38 ... 331		110	7.89	2	-	-	2KJ8502-4LC	■ ■ -5 ■ G1 -Z	53
45 ... 395		92	6.6	2.2	-	-	2KJ8502-4LC	■ ■ -5 ■ F1 -Z	53
48 ... 420		87	6.21	2.3	-	-	2KJ8502-4LC	■ ■ -5 ■ E1 -Z	53
54 ... 469		78	5.56	2.6	-	-	2KJ8502-4LC	■ ■ -5 ■ D1 -Z	53
63 ... 551		66	4.74	3	-	-	2KJ8502-4LC	■ ■ -5 ■ C1 -Z	53
74 ... 643		57	4.06	3.5	-	-	2KJ8502-4LC	■ ■ -5 ■ B1 -Z	53
86 ... 746		49	3.5	3.9	-	-	2KJ8502-4LC	■ ■ -5 ■ A1 -Z	53
B.39-LE100LA.									
13.7 ... 119		305	21.9	0.82	2KJ8502-2JB	■ ■ -5 ■ Q1 -Z	47	-	-
14.8 ... 129		280	20.21	0.89	2KJ8502-2JB	■ ■ -5 ■ P1 -Z	47	-	-
16.8 ... 146		250	17.9	1	2KJ8502-2JB	■ ■ -5 ■ N1 -Z	47	-	-
20 ... 175		205	14.9	1.2	2KJ8502-2JB	■ ■ -5 ■ M1 -Z	47	-	-
21 ... 186		195	14.02	1.3	2KJ8502-2JB	■ ■ -5 ■ L1 -Z	47	-	-
24 ... 208		175	12.56	1.4	2KJ8502-2JB	■ ■ -5 ■ K1 -Z	47	-	-
28 ... 244		149	10.69	1.6	2KJ8502-2JB	■ ■ -5 ■ J1 -Z	47	-	-
33 ... 285		128	9.17	1.8	2KJ8502-2JB	■ ■ -5 ■ H1 -Z	47	-	-
38 ... 331		110	7.89	2	2KJ8502-2JB	■ ■ -5 ■ G1 -Z	47	-	-
45 ... 395		92	6.6	2.2	2KJ8502-2JB	■ ■ -5 ■ F1 -Z	47	-	-
48 ... 420		87	6.21	2.3	2KJ8502-2JB	■ ■ -5 ■ E1 -Z	47	-	-
54 ... 469		78	5.56	2.6	2KJ8502-2JB	■ ■ -5 ■ D1 -Z	47	-	-
63 ... 551		66	4.74	3	2KJ8502-2JB	■ ■ -5 ■ C1 -Z	47	-	-
74 ... 643		57	4.06	3.5	2KJ8502-2JB	■ ■ -5 ■ B1 -Z	47	-	-
86 ... 746		49	3.5	3.9	2KJ8502-2JB	■ ■ -5 ■ A1 -Z	47	-	-
B.29-LE100LA.									
32 ... 274		133	9.51	0.83	2KJ8501-2JB	■ ■ -5 ■ K1 -Z	42	-	-
36 ... 316		115	8.25	0.96	2KJ8501-2JB	■ ■ -5 ■ J1 -Z	42	-	-
46 ... 401		91	6.51	0.83	2KJ8501-2JB	■ ■ -5 ■ F1 -Z	42	-	-
53 ... 462		79	5.65	0.95	2KJ8501-2JB	■ ■ -5 ■ E1 -Z	42	-	-
59 ... 515		71	5.07	1	2KJ8501-2JB	■ ■ -5 ■ D1 -Z	42	-	-
63 ... 546		67	4.78	1.1	2KJ8501-2JB	■ ■ -5 ■ C1 -Z	42	-	-
71 ... 620		59	4.21	1.3	2KJ8501-2JB	■ ■ -5 ■ B1 -Z	42	-	-

Article No. supplements

		Order code	Order code
Motor temperature sensor	without	0	0
	with Pt1000	1	1
Motor brake	without	0	0
(brake voltage 180 V DC)	with see Seite 5/2	1, 2 or 3	1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...	...+...

Selection and ordering data

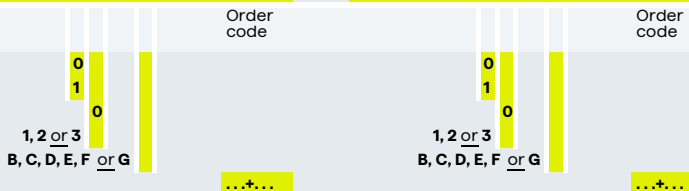
Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

P _N	n ₂	T ₂	i	f _B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
kW	rpm	Nm	-	-				
0.37								
C.89-LE71MB.								
0.83 ... 4.1	615	363	2.3	2.3	2KJ8605-2CG ■■■ -3 ■ N2 -Z	56	-	-
0.91 ... 4.5	560	329.73	2.6	2.6	2KJ8605-2CG ■■■ -3 ■ M2 -Z	56	-	-
1 ... 5.1	505	295.75	2.9	2.9	2KJ8605-2CG ■■■ -3 ■ L2 -Z	56	-	-
C.69-LE71MB.								
0.83 ... 4.2	590	360	1.1	1.1	2KJ8604-2CG ■■■ -3 ■ M2 -Z	36	-	-
0.94 ... 4.7	530	319.8	1.3	1.3	2KJ8604-2CG ■■■ -3 ■ L2 -Z	36	-	-
1.1 ... 5.3	470	280.8	1.4	1.4	2KJ8604-2CG ■■■ -3 ■ K2 -Z	36	-	-
1.2 ... 5.9	430	255.27	1.6	1.6	2KJ8604-2CG ■■■ -3 ■ J2 -Z	36	-	-
1.4 ... 6.9	375	218.4	1.8	1.8	2KJ8604-2CG ■■■ -3 ■ H2 -Z	36	-	-
1.5 ... 7.6	340	198.55	2	2	2KJ8604-2CG ■■■ -3 ■ G2 -Z	36	-	-
1.7 ... 8.5	305	175.5	2.2	2.2	2KJ8604-2CG ■■■ -3 ■ F2 -Z	36	-	-
1.9 ... 9.4	275	159.55	2.3	2.3	2KJ8604-2CG ■■■ -3 ■ E2 -Z	36	-	-
2.1 ... 10.7	240	139.75	2.4	2.4	2KJ8604-2CG ■■■ -3 ■ D2 -Z	36	-	-
2.3 ... 11.6	225	129	2.5	2.5	2KJ8604-2CG ■■■ -3 ■ C2 -Z	36	-	-
2.6 ... 13.1	199	114.21	2.7	2.7	2KJ8604-2CG ■■■ -3 ■ B2 -Z	36	-	-
C.49-LE71MB.								
1.1 ... 5.7	435	265.2	0.81	0.81	2KJ8603-2CG ■■■ -3 ■ M2 -Z	27	-	-
1.3 ... 6.5	380	230.1	0.93	0.93	2KJ8603-2CG ■■■ -3 ■ L2 -Z	27	-	-
1.4 ... 7.2	350	209.18	1	1	2KJ8603-2CG ■■■ -3 ■ K2 -Z	27	-	-
1.7 ... 8.4	305	179.4	1.2	1.2	2KJ8603-2CG ■■■ -3 ■ J2 -Z	27	-	-
1.8 ... 9.2	280	163.09	1.3	1.3	2KJ8603-2CG ■■■ -3 ■ H2 -Z	27	-	-
2.1 ... 10.5	245	143	1.4	1.4	2KJ8603-2CG ■■■ -3 ■ G2 -Z	27	-	-
2.4 ... 11.8	220	127.64	1.6	1.6	2KJ8603-2CG ■■■ -3 ■ F2 -Z	27	-	-
2.6 ... 13.2	197	113.75	1.8	1.8	2KJ8603-2CG ■■■ -3 ■ E2 -Z	27	-	-
2.9 ... 14.3	182	105	1.9	1.9	2KJ8603-2CG ■■■ -3 ■ D2 -Z	27	-	-
3.3 ... 16.3	160	91.93	2.2	2.2	2KJ8603-2CG ■■■ -3 ■ C2 -Z	27	-	-
3.7 ... 18.6	140	80.6	2.3	2.3	2KJ8603-2CG ■■■ -3 ■ B2 -Z	27	-	-
4.1 ... 21	127	73.12	2.4	2.4	2KJ8603-2CG ■■■ -3 ■ A2 -Z	27	-	-
4.4 ... 22	120	68.82	2.5	2.5	2KJ8603-2CG ■■■ -3 ■ X1 -Z	27	-	-
4.9 ... 25	105	60.67	2.7	2.7	2KJ8603-2CG ■■■ -3 ■ W1 -Z	27	-	-
5.7 ... 28	91	52.65	2.9	2.9	2KJ8603-2CG ■■■ -3 ■ V1 -Z	27	-	-
6 ... 30	105	49.87	3.1	3.1	2KJ8603-2CG ■■■ -3 ■ U1 -Z	27	-	-
C.39A-LE71MB.								
2.1 ... 10.5	240	143	0.8	0.8	2KJ8642-2CG ■■■ -3 ■ G2 -Z	21	-	-
2.4 ... 11.8	215	127.64	0.89	0.89	2KJ8642-2CG ■■■ -3 ■ F2 -Z	21	-	-
2.6 ... 13.2	194	113.75	1	1	2KJ8642-2CG ■■■ -3 ■ E2 -Z	21	-	-
2.9 ... 14.3	179	105	1.1	1.1	2KJ8642-2CG ■■■ -3 ■ D2 -Z	21	-	-
3.3 ... 16.3	157	91.93	1.2	1.2	2KJ8642-2CG ■■■ -3 ■ C2 -Z	21	-	-
3.7 ... 18.6	138	80.6	1.4	1.4	2KJ8642-2CG ■■■ -3 ■ B2 -Z	21	-	-
4.1 ... 21	125	73.12	1.6	1.6	2KJ8642-2CG ■■■ -3 ■ A2 -Z	21	-	-
4.4 ... 22	118	68.82	1.6	1.6	2KJ8642-2CG ■■■ -3 ■ X1 -Z	21	-	-
4.9 ... 25	104	60.67	1.7	1.7	2KJ8642-2CG ■■■ -3 ■ W1 -Z	21	-	-
5.7 ... 28	90	52.65	1.9	1.9	2KJ8642-2CG ■■■ -3 ■ V1 -Z	21	-	-
6 ... 30	104	49.87	1.9	1.9	2KJ8642-2CG ■■■ -3 ■ U1 -Z	21	-	-
6.9 ... 35	90	43.27	2.2	2.2	2KJ8642-2CG ■■■ -3 ■ T1 -Z	21	-	-
7.6 ... 38	82	39.33	2.4	2.4	2KJ8642-2CG ■■■ -3 ■ S1 -Z	21	-	-
8.9 ... 44	70	33.73	2.8	2.8	2KJ8642-2CG ■■■ -3 ■ R1 -Z	21	-	-
9.2 ... 46	70	32.64	3.1	3.1	2KJ8642-2CG ■■■ -3 ■ Q1 -Z	21	-	-
C.29-LE71MB.								
4.1 ... 21	130	73.12	0.84	0.84	2KJ8601-2CG ■■■ -3 ■ A2 -Z	16	-	-
4.4 ... 22	123	68.82	0.9	0.9	2KJ8601-2CG ■■■ -3 ■ X1 -Z	16	-	-
4.9 ... 25	108	60.67	1	1	2KJ8601-2CG ■■■ -3 ■ W1 -Z	16	-	-
5.7 ... 28	94	52.65	1.2	1.2	2KJ8601-2CG ■■■ -3 ■ V1 -Z	16	-	-
6 ... 30	103	49.87	0.99	0.99	2KJ8601-2CG ■■■ -3 ■ U1 -Z	16	-	-
6.9 ... 35	90	43.27	1.1	1.1	2KJ8601-2CG ■■■ -3 ■ T1 -Z	16	-	-
7.6 ... 38	82	39.33	1.2	1.2	2KJ8601-2CG ■■■ -3 ■ S1 -Z	16	-	-
8.9 ... 44	71	33.73	1.5	1.5	2KJ8601-2CG ■■■ -3 ■ R1 -Z	16	-	-
9.2 ... 46	69	32.64	1.3	1.3	2KJ8601-2CG ■■■ -3 ■ Q1 -Z	16	-	-

Article No. supplements

Motor temperature sensor	without with Pt1000	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	0 1
Converter fieldbus communication	see Seite 5/2	
Special versions	see Chapter 4 „Additional Order options“	



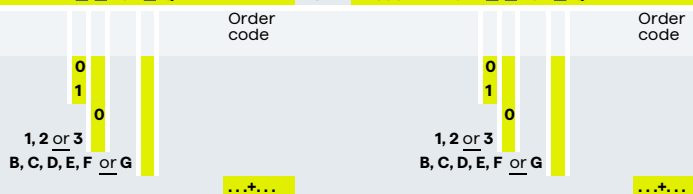
Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

P _N	n ₂	T ₂	i	f _B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4								
					Article No.	m		Article No.	m							
kW	rpm	Nm	-	-	(Article No. supplements see below)	kg		(Article No. supplements see below)	kg							
0.37																
C.29-LE71MB.																
10.6 ... 53	60	28.32	1.5		2KJ8601-2CG		-3	P1	-Z	16	-					
11.7 ... 58	55	25.75	1.7		2KJ8601-2CG		-3	M1	-Z	16	-					
13.6 ... 68	47	22.08	1.9		2KJ8601-2CG		-3	M1	-Z	16	-					
14.9 ... 75	43	20.07	2.1		2KJ8601-2CG		-3	L1	-Z	16	-					
17 ... 85	38	17.6	2.4		2KJ8601-2CG		-3	K1	-Z	16	-					
19.1 ... 95	34	15.71	2.7		2KJ8601-2CG		-3	J1	-Z	16	-					
21 ... 107	30	14	3.1		2KJ8601-2CG		-3	H1	-Z	16	-					
23 ... 116	28	12.92	3.3		2KJ8601-2CG		-3	G1	-Z	16	-					
0.55																
C.89-LE80MA.																
0.83 ... 4.1	915	363	1.6		2KJ8605-2EB		-3	N2	-Z	60	2KJ8605-4EC		-3	N2	-Z	60
0.91 ... 4.5	835	329.73	1.7		2KJ8605-2EB		-3	M2	-Z	60	2KJ8605-4EC		-3	M2	-Z	60
1 ... 5.1	750	295.75	1.9		2KJ8605-2EB		-3	L2	-Z	60	2KJ8605-4EC		-3	L2	-Z	60
1.1 ... 5.6	680	265.91	2.1		2KJ8605-2EB		-3	K2	-Z	60	2KJ8605-4EC		-3	K2	-Z	60
1.2 ... 6.2	615	240.5	2.3		2KJ8605-2EB		-3	J2	-Z	60	2KJ8605-4EC		-3	J2	-Z	60
1.4 ... 6.8	570	222	2.5		2KJ8605-2EB		-3	H2	-Z	60	2KJ8605-4EC		-3	H2	-Z	60
1.5 ... 7.4	520	203.36	2.8		2KJ8605-2EB		-3	G2	-Z	60	2KJ8605-4EC		-3	G2	-Z	60
C.69-LE80MA.																
0.94 ... 4.7	790	319.8	0.85		2KJ8604-2EB		-3	L2	-Z	41	2KJ8604-4EC		-3	L2	-Z	41
1.1 ... 5.3	700	280.8	0.96		2KJ8604-2EB		-3	K2	-Z	41	2KJ8604-4EC		-3	K2	-Z	41
1.2 ... 5.9	645	255.27	1		2KJ8604-2EB		-3	J2	-Z	41	2KJ8604-4EC		-3	J2	-Z	41
1.4 ... 6.9	560	218.4	1.2		2KJ8604-2EB		-3	H2	-Z	41	2KJ8604-4EC		-3	H2	-Z	41
1.5 ... 7.6	510	198.55	1.3		2KJ8604-2EB		-3	G2	-Z	41	2KJ8604-4EC		-3	G2	-Z	41
1.7 ... 8.5	450	175.5	1.5		2KJ8604-2EB		-3	F2	-Z	41	2KJ8604-4EC		-3	F2	-Z	41
1.9 ... 9.4	410	159.55	1.5		2KJ8604-2EB		-3	E2	-Z	41	2KJ8604-4EC		-3	E2	-Z	41
2.1 ... 10.7	360	139.75	1.6		2KJ8604-2EB		-3	D2	-Z	41	2KJ8604-4EC		-3	D2	-Z	41
2.3 ... 11.6	335	129	1.7		2KJ8604-2EB		-3	C2	-Z	41	2KJ8604-4EC		-3	C2	-Z	41
2.6 ... 13.1	295	114.21	1.8		2KJ8604-2EB		-3	B2	-Z	41	2KJ8604-4EC		-3	B2	-Z	41
2.9 ... 14.6	310	102.5	2.2		2KJ8604-2EB		-3	A2	-Z	41	2KJ8604-4EC		-3	A2	-Z	41
3.3 ... 16.7	270	90	2.5		2KJ8604-2EB		-3	X1	-Z	41	2KJ8604-4EC		-3	X1	-Z	41
3.7 ... 18.3	245	81.82	2.7		2KJ8604-2EB		-3	W1	-Z	41	2KJ8604-4EC		-3	W1	-Z	41
4.3 ... 21	210	70	3.1		2KJ8604-2EB		-3	V1	-Z	41	2KJ8604-4EC		-3	V1	-Z	41
1.8 ... 9.2	415	163.09	0.85		2KJ8603-2EB		-3	H2	-Z	32	2KJ8603-4EC		-3	H2	-Z	32
2.1 ... 10.5	365	143	0.97		2KJ8603-2EB		-3	G2	-Z	32	2KJ8603-4EC		-3	G2	-Z	32
C.49-LE80MA.																
2.4 ... 11.8	325	127.64	1.1		2KJ8603-2EB		-3	F2	-Z	32	2KJ8603-4EC		-3	F2	-Z	32
2.6 ... 13.2	290	113.75	1.2		2KJ8603-2EB		-3	E2	-Z	32	2KJ8603-4EC		-3	E2	-Z	32
2.9 ... 14.3	270	105	1.3		2KJ8603-2EB		-3	D2	-Z	32	2KJ8603-4EC		-3	D2	-Z	32
3.3 ... 16.3	235	91.93	1.4		2KJ8603-2EB		-3	C2	-Z	32	2KJ8603-4EC		-3	C2	-Z	32
3.7 ... 18.6	205	80.6	1.6		2KJ8603-2EB		-3	B2	-Z	32	2KJ8603-4EC		-3	B2	-Z	32
4.1 ... 21	189	73.12	1.6		2KJ8603-2EB		-3	A2	-Z	32	2KJ8603-4EC		-3	A2	-Z	32
4.4 ... 22	178	68.82	1.7		2KJ8603-2EB		-3	X1	-Z	32	2KJ8603-4EC		-3	X1	-Z	32
4.9 ... 25	157	60.67	1.8		2KJ8603-2EB		-3	W1	-Z	32	2KJ8603-4EC		-3	W1	-Z	32
5.7 ... 28	136	52.65	2		2KJ8603-2EB		-3	V1	-Z	32	2KJ8603-4EC		-3	V1	-Z	32
6 ... 30	156	49.87	2.1		2KJ8603-2EB		-3	U1	-Z	32	2KJ8603-4EC		-3	U1	-Z	32
6.9 ... 35	135	43.27	2.6		2KJ8603-2EB		-3	T1	-Z	32	2KJ8603-4EC		-3	T1	-Z	32
7.6 ... 38	123	39.33	3.2		2KJ8603-2EB		-3	S1	-Z	32	2KJ8603-4EC		-3	S1	-Z	32
C.39A-LE80MA.																
3.3 ... 16.3	230	91.93	0.83		2KJ8642-2EB		-3	C2	-Z	26	2KJ8642-4EC		-3	C2	-Z	26
3.7 ... 18.6	205	80.6	0.95		2KJ8642-2EB		-3	B2	-Z	26	2KJ8642-4EC		-3	B2	-Z	26
4.1 ... 21	186	73.12	1		2KJ8642-2EB		-3	A2	-Z	26	2KJ8642-4EC		-3	A2	-Z	26
4.4 ... 22	176	68.82	1.1		2KJ8642-2EB		-3	X1	-Z	26	2KJ8642-4EC		-3	X1	-Z	26
4.9 ... 25	155	60.67	1.2		2KJ8642-2EB		-3	W1	-Z	26	2KJ8642-4EC		-3	W1	-Z	26
5.7 ... 28	134	52.65	1.3		2KJ8642-2EB		-3	V1	-Z	26	2KJ8642-4EC		-3	V1	-Z	26
6 ... 30	155	49.87	1.3		2KJ8642-2EB		-3	U1	-Z	26	2KJ8642-4EC		-3	U1	-Z	26
6.9 ... 35	134	43.27	1.5		2KJ8642-2EB		-3	T1	-Z	26	2KJ8642-4EC		-3	T1	-Z	26
7.6 ... 38	122	39.33	1.6		2KJ8642-2EB		-3	S1	-Z	26	2KJ8642-4EC		-3	S1	-Z	26
8.9 ... 44	105	33.73	1.9		2KJ8642-2EB		-3	R1	-Z	26	2KJ8642-4EC		-3	R1	-Z	26
9.2 ... 46	104	32.64	2.1		2KJ8642-2EB		-3	Q1	-Z	26	2KJ8642-4EC		-3	Q1	-Z	26

5

Article No. supplements

- Motor temperature sensor: without, with Pt1000
- Motor brake (brake voltage 180 V DC): without, with see Seite 5/2
- Converter fieldbus communication: see Seite 5/2
- Special versions: see Chapter 4 „Additional Order options“



Helical worm geared motors

Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm									
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4	
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	
					(Article No. supplements see below)	kg	(Article No. supplements see below)	kg	
0.55	C.39A-LE80MA.								
	10.6 ... 53	91	28.32	2.6	2KJ8642-2EB ■ ■ -3 ■ P1 -Z	26	2KJ8642-4EC ■ ■ -3 ■ P1 -Z	26	
	11.7 ... 58	82	25.75	2.9	2KJ8642-2EB ■ ■ -3 ■ N1 -Z	26	2KJ8642-4EC ■ ■ -3 ■ N1 -Z	26	
	13.6 ... 68	71	22.08	3.3	2KJ8642-2EB ■ ■ -3 ■ M1 -Z	26	2KJ8642-4EC ■ ■ -3 ■ M1 -Z	26	
	C.29-LE80MA.								
	7.6 ... 38	123	39.33	0.84	2KJ8601-2EB ■ ■ -3 ■ S1 -Z	20	2KJ8601-4EC ■ ■ -3 ■ S1 -Z	20	
	8.9 ... 44	106	33.73	0.99	2KJ8601-2EB ■ ■ -3 ■ R1 -Z	20	2KJ8601-4EC ■ ■ -3 ■ R1 -Z	20	
	9.2 ... 46	103	32.64	0.87	2KJ8601-2EB ■ ■ -3 ■ Q1 -Z	20	2KJ8601-4EC ■ ■ -3 ■ Q1 -Z	20	
	10.6 ... 53	90	28.32	1	2KJ8601-2EB ■ ■ -3 ■ P1 -Z	20	2KJ8601-4EC ■ ■ -3 ■ P1 -Z	20	
	11.7 ... 58	82	25.75	1.1	2KJ8601-2EB ■ ■ -3 ■ N1 -Z	20	2KJ8601-4EC ■ ■ -3 ■ N1 -Z	20	
	13.6 ... 68	70	22.08	1.3	2KJ8601-2EB ■ ■ -3 ■ M1 -Z	20	2KJ8601-4EC ■ ■ -3 ■ M1 -Z	20	
	14.9 ... 75	64	20.07	1.4	2KJ8601-2EB ■ ■ -3 ■ L1 -Z	20	2KJ8601-4EC ■ ■ -3 ■ L1 -Z	20	
	17 ... 85	56	17.6	1.6	2KJ8601-2EB ■ ■ -3 ■ K1 -Z	20	2KJ8601-4EC ■ ■ -3 ■ K1 -Z	20	
	19.1 ... 95	50	15.71	1.8	2KJ8601-2EB ■ ■ -3 ■ J1 -Z	20	2KJ8601-4EC ■ ■ -3 ■ J1 -Z	20	
	21 ... 107	45	14	2.1	2KJ8601-2EB ■ ■ -3 ■ H1 -Z	20	2KJ8601-4EC ■ ■ -3 ■ H1 -Z	20	
	23 ... 116	41	12.92	2.2	2KJ8601-2EB ■ ■ -3 ■ G1 -Z	20	2KJ8601-4EC ■ ■ -3 ■ G1 -Z	20	
	27 ... 133	36	11.31	2.6	2KJ8601-2EB ■ ■ -3 ■ F1 -Z	20	2KJ8601-4EC ■ ■ -3 ■ F1 -Z	20	
	30 ... 151	32	9.92	3	2KJ8601-2EB ■ ■ -3 ■ E1 -Z	20	2KJ8601-4EC ■ ■ -3 ■ E1 -Z	20	
	33 ... 167	29	9	3.1	2KJ8601-2EB ■ ■ -3 ■ D1 -Z	20	2KJ8601-4EC ■ ■ -3 ■ D1 -Z	20	
	35 ... 177	27	8.47	3.3	2KJ8601-2EB ■ ■ -3 ■ C1 -Z	20	2KJ8601-4EC ■ ■ -3 ■ C1 -Z	20	
	40 ... 201	24	7.47	3.5	2KJ8601-2EB ■ ■ -3 ■ B1 -Z	20	2KJ8601-4EC ■ ■ -3 ■ B1 -Z	20	
0.75	C.89-LE80MB.								
	0.83 ... 4.1	1250	363	1.2	2KJ8605-2EG ■ ■ -3 ■ N2 -Z	59	2KJ8605-4EH ■ ■ -3 ■ N2 -Z	62	
	0.91 ... 4.5	1140	329.73	1.3	2KJ8605-2EG ■ ■ -3 ■ M2 -Z	59	2KJ8605-4EH ■ ■ -3 ■ M2 -Z	62	
	1 ... 5.1	1020	295.75	1.4	2KJ8605-2EG ■ ■ -3 ■ L2 -Z	59	2KJ8605-4EH ■ ■ -3 ■ L2 -Z	62	
	1.1 ... 5.6	925	265.91	1.6	2KJ8605-2EG ■ ■ -3 ■ K2 -Z	59	2KJ8605-4EH ■ ■ -3 ■ K2 -Z	62	
	1.2 ... 6.2	840	240.5	1.7	2KJ8605-2EG ■ ■ -3 ■ J2 -Z	59	2KJ8605-4EH ■ ■ -3 ■ J2 -Z	62	
	1.4 ... 6.8	775	222	1.9	2KJ8605-2EG ■ ■ -3 ■ H2 -Z	59	2KJ8605-4EH ■ ■ -3 ■ H2 -Z	62	
	1.5 ... 7.4	715	203.36	2	2KJ8605-2EG ■ ■ -3 ■ G2 -Z	59	2KJ8605-4EH ■ ■ -3 ■ G2 -Z	62	
	1.8 ... 8.8	595	170.62	2.3	2KJ8605-2EG ■ ■ -3 ■ F2 -Z	59	2KJ8605-4EH ■ ■ -3 ■ F2 -Z	62	
	1.9 ... 9.3	560	160.59	2.3	2KJ8605-2EG ■ ■ -3 ■ E2 -Z	59	2KJ8605-4EH ■ ■ -3 ■ E2 -Z	62	
	2 ... 10.2	515	147.33	2.5	2KJ8605-2EG ■ ■ -3 ■ D2 -Z	59	2KJ8605-4EH ■ ■ -3 ■ D2 -Z	62	
	2.3 ... 11.7	450	128.7	2.6	2KJ8605-2EG ■ ■ -3 ■ C2 -Z	59	2KJ8605-4EH ■ ■ -3 ■ C2 -Z	62	
	2.6 ... 13	405	115.23	2.7	2KJ8605-2EG ■ ■ -3 ■ B2 -Z	59	2KJ8605-4EH ■ ■ -3 ■ B2 -Z	62	
	3 ... 14.9	350	100.75	2.9	2KJ8605-2EG ■ ■ -3 ■ A2 -Z	59	2KJ8605-4EH ■ ■ -3 ■ A2 -Z	62	
	C.69-LE80MB.								
	1.4 ... 6.9	760	218.4	0.88	2KJ8604-2EG ■ ■ -3 ■ H2 -Z	40	2KJ8604-4EH ■ ■ -3 ■ H2 -Z	43	
	1.5 ... 7.6	695	198.55	0.97	2KJ8604-2EG ■ ■ -3 ■ G2 -Z	40	2KJ8604-4EH ■ ■ -3 ■ G2 -Z	43	
	1.7 ... 8.5	615	175.5	1.1	2KJ8604-2EG ■ ■ -3 ■ F2 -Z	40	2KJ8604-4EH ■ ■ -3 ■ F2 -Z	43	
	1.9 ... 9.4	560	159.55	1.1	2KJ8604-2EG ■ ■ -3 ■ E2 -Z	40	2KJ8604-4EH ■ ■ -3 ■ E2 -Z	43	
	2.1 ... 10.7	495	139.75	1.2	2KJ8604-2EG ■ ■ -3 ■ D2 -Z	40	2KJ8604-4EH ■ ■ -3 ■ D2 -Z	43	
	2.3 ... 11.6	455	129	1.2	2KJ8604-2EG ■ ■ -3 ■ C2 -Z	40	2KJ8604-4EH ■ ■ -3 ■ C2 -Z	43	
	2.6 ... 13.1	400	114.21	1.3	2KJ8604-2EG ■ ■ -3 ■ B2 -Z	40	2KJ8604-4EH ■ ■ -3 ■ B2 -Z	43	
	2.9 ... 14.6	420	102.5	1.6	2KJ8604-2EG ■ ■ -3 ■ A2 -Z	40	2KJ8604-4EH ■ ■ -3 ■ A2 -Z	43	
	3.3 ... 16.7	370	90	1.8	2KJ8604-2EG ■ ■ -3 ■ X1 -Z	40	2KJ8604-4EH ■ ■ -3 ■ X1 -Z	43	
	3.7 ... 18.3	335	81.82	2	2KJ8604-2EG ■ ■ -3 ■ W1 -Z	40	2KJ8604-4EH ■ ■ -3 ■ W1 -Z	43	
	4.3 ... 21	290	70	2.3	2KJ8604-2EG ■ ■ -3 ■ V1 -Z	40	2KJ8604-4EH ■ ■ -3 ■ V1 -Z	43	
	4.7 ... 24	265	63.64	2.4	2KJ8604-2EG ■ ■ -3 ■ U1 -Z	40	2KJ8604-4EH ■ ■ -3 ■ U1 -Z	43	
	5.3 ... 27	230	56.25	2.6	2KJ8604-2EG ■ ■ -3 ■ T1 -Z	40	2KJ8604-4EH ■ ■ -3 ■ T1 -Z	43	
	5.9 ... 29	210	51.14	2.7	2KJ8604-2EG ■ ■ -3 ■ S1 -Z	40	2KJ8604-4EH ■ ■ -3 ■ S1 -Z	43	
	6.7 ... 33	187	44.79	2.9	2KJ8604-2EG ■ ■ -3 ■ R1 -Z	40	2KJ8604-4EH ■ ■ -3 ■ R1 -Z	43	
	7.3 ... 36	172	41.35	3	2KJ8604-2EG ■ ■ -3 ■ Q1 -Z	40	2KJ8604-4EH ■ ■ -3 ■ Q1 -Z	43	
	8.2 ... 41	153	36.61	3.2	2KJ8604-2EG ■ ■ -3 ■ P1 -Z	40	2KJ8604-4EH ■ ■ -3 ■ P1 -Z	43	
	C.49-LE80MB.								
	2.6 ... 13.2	400	113.75	0.89	2KJ8603-2EG ■ ■ -3 ■ E2 -Z	31	2KJ8603-4EH ■ ■ -3 ■ E2 -Z	34	
	2.9 ... 14.3	370	105	0.96	2KJ8603-2EG ■ ■ -3 ■ D2 -Z	31	2KJ8603-4EH ■ ■ -3 ■ D2 -Z	34	
	3.3 ... 16.3	320	91.93	1.1	2KJ8603-2EG ■ ■ -3 ■ C2 -Z	31	2KJ8603-4EH ■ ■ -3 ■ C2 -Z	34	
	3.7 ... 18.6	280	80.6	1.1	2KJ8603-2EG ■ ■ -3 ■ B2 -Z	31	2KJ8603-4EH ■ ■ -3 ■ B2 -Z	34	
	4.1 ... 21	255	73.12	1.2	2KJ8603-2EG ■ ■ -3 ■ A2 -Z	31	2KJ8603-4EH ■ ■ -3 ■ A2 -Z	34	
Article No. supplements					Order code				
Motor temperature sensor	without		with Pt1000		0	1	0	1	
Motor brake	without		with see Seite 5/2		1, 2 or 3		1, 2 or 3		
(brake voltage 180 V DC)					B, C, D, E, F or G		B, C, D, E, F or G		
Converter fieldbus communication	see Seite 5/2								
Special versions see Chapter 4 „Additional Order options“					...+...		...+...		

5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B -	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
0.75	C.49-LE80MB.							
4.4 ... 22	240	68.82	1.2		2KJ8603-2EG	31	2KJ8603-4EH	34
4.9 ... 25	210	60.67	1.3		2KJ8603-2EG	31	2KJ8603-4EH	34
5.7 ... 28	185	52.65	1.4		2KJ8603-2EG	31	2KJ8603-4EH	34
6 ... 30	210	49.87	1.5		2KJ8603-2EG	31	2KJ8603-4EH	34
6.9 ... 35	185	43.27	1.9		2KJ8603-2EG	31	2KJ8603-4EH	34
7.6 ... 38	168	39.33	2.4		2KJ8603-2EG	31	2KJ8603-4EH	34
8.9 ... 44	144	33.73	2.6		2KJ8603-2EG	31	2KJ8603-4EH	34
9.8 ... 49	131	30.67	2.9		2KJ8603-2EG	31	2KJ8603-4EH	34
11.2 ... 56	115	26.89	3.1		2KJ8603-2EG	31	2KJ8603-4EH	34
12.5 ... 62	103	24	3.3		2KJ8603-2EG	31	2KJ8603-4EH	34
	C.39A-LE80MB.							
4.4 ... 22	235	68.82	0.8		2KJ8642-2EG	25	2KJ8642-4EH	28
4.9 ... 25	210	60.67	0.86		2KJ8642-2EG	25	2KJ8642-4EH	28
5.7 ... 28	183	52.65	0.93		2KJ8642-2EG	25	2KJ8642-4EH	28
6 ... 30	210	49.87	0.94		2KJ8642-2EG	25	2KJ8642-4EH	28
6.9 ... 35	183	43.27	1.1		2KJ8642-2EG	25	2KJ8642-4EH	28
7.6 ... 38	167	39.33	1.2		2KJ8642-2EG	25	2KJ8642-4EH	28
8.9 ... 44	143	33.73	1.4		2KJ8642-2EG	25	2KJ8642-4EH	28
9.2 ... 46	142	32.64	1.5		2KJ8642-2EG	25	2KJ8642-4EH	28
10.6 ... 53	124	28.32	1.9		2KJ8642-2EG	25	2KJ8642-4EH	28
11.7 ... 58	112	25.75	2.1		2KJ8642-2EG	25	2KJ8642-4EH	28
13.6 ... 68	96	22.08	2.4		2KJ8642-2EG	25	2KJ8642-4EH	28
14.9 ... 75	88	20.07	2.7		2KJ8642-2EG	25	2KJ8642-4EH	28
17 ... 85	77	17.6	2.9		2KJ8642-2EG	25	2KJ8642-4EH	28
19.1 ... 95	69	15.71	3.1		2KJ8642-2EG	25	2KJ8642-4EH	28
21 ... 107	61	14	3.3		2KJ8642-2EG	25	2KJ8642-4EH	28
23 ... 116	56	12.92	3.5		2KJ8642-2EG	25	2KJ8642-4EH	28
	C.29-LE80MB.							
11.7 ... 58	112	25.75	0.82		2KJ8601-2EG	19	2KJ8601-4EH	22
13.6 ... 68	96	22.08	0.95		2KJ8601-2EG	19	2KJ8601-4EH	22
14.9 ... 75	88	20.07	1.1		2KJ8601-2EG	19	2KJ8601-4EH	22
17 ... 85	77	17.6	1.2		2KJ8601-2EG	19	2KJ8601-4EH	22
19.1 ... 95	69	15.71	1.4		2KJ8601-2EG	19	2KJ8601-4EH	22
21 ... 107	61	14	1.5		2KJ8601-2EG	19	2KJ8601-4EH	22
23 ... 116	56	12.92	1.6		2KJ8601-2EG	19	2KJ8601-4EH	22
27 ... 133	50	11.31	1.9		2KJ8601-2EG	19	2KJ8601-4EH	22
30 ... 151	43	9.92	2.2		2KJ8601-2EG	19	2KJ8601-4EH	22
33 ... 167	39	9	2.3		2KJ8601-2EG	19	2KJ8601-4EH	22
35 ... 177	37	8.47	2.4		2KJ8601-2EG	19	2KJ8601-4EH	22
40 ... 201	33	7.47	2.6		2KJ8601-2EG	19	2KJ8601-4EH	22
46 ... 231	28	6.48	2.9		2KJ8601-2EG	19	2KJ8601-4EH	22
1.1	C.89-LE90S.							
0.91 ... 4.5	1670	329.73	0.87		2KJ8605-2GB	62	2KJ8605-4GC	66
1 ... 5.1	1500	295.75	0.96		2KJ8605-2GB	62	2KJ8605-4GC	66
1.1 ... 5.6	1360	265.91	1.1		2KJ8605-2GB	62	2KJ8605-4GC	66
1.2 ... 6.2	1230	240.5	1.2		2KJ8605-2GB	62	2KJ8605-4GC	66
1.4 ... 6.8	1140	222	1.3		2KJ8605-2GB	62	2KJ8605-4GC	66
1.5 ... 7.4	1040	203.36	1.4		2KJ8605-2GB	62	2KJ8605-4GC	66
1.8 ... 8.8	875	170.62	1.5		2KJ8605-2GB	62	2KJ8605-4GC	66
1.9 ... 9.3	825	160.59	1.6		2KJ8605-2GB	62	2KJ8605-4GC	66
2 ... 10.2	760	147.33	1.7		2KJ8605-2GB	62	2KJ8605-4GC	66
2.3 ... 11.7	660	128.7	1.8		2KJ8605-2GB	62	2KJ8605-4GC	66
2.6 ... 13	590	115.23	1.9		2KJ8605-2GB	62	2KJ8605-4GC	66
3 ... 14.9	515	100.75	2		2KJ8605-2GB	62	2KJ8605-4GC	66
3.5 ... 17.3	445	86.48	2.2		2KJ8605-2GB	62	2KJ8605-4GC	66
3.9 ... 19.6	390	76.44	2.3		2KJ8605-2GB	62	2KJ8605-4GC	66
	C.69-LE90S.							
2.1 ... 10.7	725	139.75	0.81		2KJ8604-2GB	40	2KJ8604-4GC	44

Article No. supplements		Order code	Order code
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	1, 2 or 3	1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...	...+...

Helical worm geared motors

Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B -	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4			
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg		
1.1										
C.69-LE90S.										
2.3 ... 11.6	670	129	0.84		2KJ8604-2GB	■ -3 ■ C2 -Z	40	2KJ8604-4GC	■ -3 ■ C2 -Z	44
2.6 ... 13.1	590	114.21	0.89		2KJ8604-2GB	■ -3 ■ B2 -Z	40	2KJ8604-4GC	■ -3 ■ B2 -Z	44
2.9 ... 14.6	620	102.5	1.1		2KJ8604-2GB	■ -3 ■ A2 -Z	40	2KJ8604-4GC	■ -3 ■ A2 -Z	44
3.3 ... 16.7	545	90	1.2		2KJ8604-2GB	■ -3 ■ X1 -Z	40	2KJ8604-4GC	■ -3 ■ X1 -Z	44
3.7 ... 18.3	495	81.82	1.4		2KJ8604-2GB	■ -3 ■ W1 -Z	40	2KJ8604-4GC	■ -3 ■ W1 -Z	44
4.3 ... 21	425	70	1.5		2KJ8604-2GB	■ -3 ■ V1 -Z	40	2KJ8604-4GC	■ -3 ■ V1 -Z	44
4.7 ... 24	385	63.64	1.6		2KJ8604-2GB	■ -3 ■ U1 -Z	40	2KJ8604-4GC	■ -3 ■ U1 -Z	44
5.3 ... 27	340	56.25	1.8		2KJ8604-2GB	■ -3 ■ T1 -Z	40	2KJ8604-4GC	■ -3 ■ T1 -Z	44
5.9 ... 29	310	51.14	1.8		2KJ8604-2GB	■ -3 ■ S1 -Z	40	2KJ8604-4GC	■ -3 ■ S1 -Z	44
6.7 ... 33	270	44.79	2		2KJ8604-2GB	■ -3 ■ R1 -Z	40	2KJ8604-4GC	■ -3 ■ R1 -Z	44
7.3 ... 36	250	41.35	2.1		2KJ8604-2GB	■ -3 ■ Q1 -Z	40	2KJ8604-4GC	■ -3 ■ Q1 -Z	44
8.2 ... 41	220	36.61	2.2		2KJ8604-2GB	■ -3 ■ P1 -Z	40	2KJ8604-4GC	■ -3 ■ P1 -Z	44
10 ... 50	190	30	2.8		2KJ8604-2GB	■ -3 ■ N1 -Z	40	2KJ8604-4GC	■ -3 ■ N1 -Z	44
11.4 ... 57	166	26.28	3.1		2KJ8604-2GB	■ -3 ■ M1 -Z	40	2KJ8604-4GC	■ -3 ■ M1 -Z	44
12.4 ... 62	154	24.26	3.2		2KJ8604-2GB	■ -3 ■ L1 -Z	40	2KJ8604-4GC	■ -3 ■ L1 -Z	44
C.49-LE90S.										
4.1 ... 21	375	73.12	0.82		2KJ8603-2GB	■ -3 ■ A2 -Z	31	2KJ8603-4GC	■ -3 ■ A2 -Z	35
4.4 ... 22	355	68.82	0.84		2KJ8603-2GB	■ -3 ■ X1 -Z	31	2KJ8603-4GC	■ -3 ■ X1 -Z	35
4.9 ... 25	310	60.67	0.91		2KJ8603-2GB	■ -3 ■ W1 -Z	31	2KJ8603-4GC	■ -3 ■ W1 -Z	35
5.7 ... 28	270	52.65	0.98		2KJ8603-2GB	■ -3 ■ V1 -Z	31	2KJ8603-4GC	■ -3 ■ V1 -Z	35
6 ... 30	310	49.87	1		2KJ8603-2GB	■ -3 ■ U1 -Z	31	2KJ8603-4GC	■ -3 ■ U1 -Z	35
6.9 ... 35	270	43.27	1.3		2KJ8603-2GB	■ -3 ■ T1 -Z	31	2KJ8603-4GC	■ -3 ■ T1 -Z	35
7.6 ... 38	245	39.33	1.6		2KJ8603-2GB	■ -3 ■ S1 -Z	31	2KJ8603-4GC	■ -3 ■ S1 -Z	35
8.9 ... 44	210	33.73	1.8		2KJ8603-2GB	■ -3 ■ R1 -Z	31	2KJ8603-4GC	■ -3 ■ R1 -Z	35
9.8 ... 49	192	30.67	2		2KJ8603-2GB	■ -3 ■ Q1 -Z	31	2KJ8603-4GC	■ -3 ■ Q1 -Z	35
11.2 ... 56	169	26.89	2.1		2KJ8603-2GB	■ -3 ■ P1 -Z	31	2KJ8603-4GC	■ -3 ■ P1 -Z	35
12.5 ... 62	150	24	2.3		2KJ8603-2GB	■ -3 ■ N1 -Z	31	2KJ8603-4GC	■ -3 ■ N1 -Z	35
14 ... 70	134	21.39	2.4		2KJ8603-2GB	■ -3 ■ M1 -Z	31	2KJ8603-4GC	■ -3 ■ M1 -Z	35
15.2 ... 76	124	19.74	2.5		2KJ8603-2GB	■ -3 ■ L1 -Z	31	2KJ8603-4GC	■ -3 ■ L1 -Z	35
17.4 ... 87	108	17.29	2.8		2KJ8603-2GB	■ -3 ■ K1 -Z	31	2KJ8603-4GC	■ -3 ■ K1 -Z	35
19.8 ... 99	95	15.16	3		2KJ8603-2GB	■ -3 ■ J1 -Z	31	2KJ8603-4GC	■ -3 ■ J1 -Z	35
22 ... 109	86	13.75	3.1		2KJ8603-2GB	■ -3 ■ H1 -Z	31	2KJ8603-4GC	■ -3 ■ H1 -Z	35
23 ... 116	81	12.94	3.3		2KJ8603-2GB	■ -3 ■ G1 -Z	31	2KJ8603-4GC	■ -3 ■ G1 -Z	35
26 ... 131	72	11.41	3.6		2KJ8603-2GB	■ -3 ■ F1 -Z	31	2KJ8603-4GC	■ -3 ■ F1 -Z	35
C.39A-LE90S.										
7.6 ... 38	240	39.33	0.82		2KJ8642-2GB	■ -3 ■ S1 -Z	27	2KJ8642-4GC	■ -3 ■ S1 -Z	31
8.9 ... 44	210	33.73	0.95		2KJ8642-2GB	■ -3 ■ R1 -Z	27	2KJ8642-4GC	■ -3 ■ R1 -Z	31
9.2 ... 46	205	32.64	1		2KJ8642-2GB	■ -3 ■ Q1 -Z	27	2KJ8642-4GC	■ -3 ■ Q1 -Z	31
10.6 ... 53	181	28.32	1.3		2KJ8642-2GB	■ -3 ■ P1 -Z	27	2KJ8642-4GC	■ -3 ■ P1 -Z	31
11.7 ... 58	165	25.75	1.4		2KJ8642-2GB	■ -3 ■ N1 -Z	27	2KJ8642-4GC	■ -3 ■ N1 -Z	31
13.6 ... 68	141	22.08	1.7		2KJ8642-2GB	■ -3 ■ M1 -Z	27	2KJ8642-4GC	■ -3 ■ M1 -Z	31
14.9 ... 75	129	20.07	1.8		2KJ8642-2GB	■ -3 ■ L1 -Z	27	2KJ8642-4GC	■ -3 ■ L1 -Z	31
17 ... 85	113	17.6	1.9		2KJ8642-2GB	■ -3 ■ K1 -Z	27	2KJ8642-4GC	■ -3 ■ K1 -Z	31
19.1 ... 95	101	15.71	2.1		2KJ8642-2GB	■ -3 ■ J1 -Z	27	2KJ8642-4GC	■ -3 ■ J1 -Z	31
21 ... 107	90	14	2.2		2KJ8642-2GB	■ -3 ■ H1 -Z	27	2KJ8642-4GC	■ -3 ■ H1 -Z	31
23 ... 116	83	12.92	2.4		2KJ8642-2GB	■ -3 ■ G1 -Z	27	2KJ8642-4GC	■ -3 ■ G1 -Z	31
27 ... 133	72	11.31	2.6		2KJ8642-2GB	■ -3 ■ F1 -Z	27	2KJ8642-4GC	■ -3 ■ F1 -Z	31
30 ... 151	64	9.92	2.8		2KJ8642-2GB	■ -3 ■ E1 -Z	27	2KJ8642-4GC	■ -3 ■ E1 -Z	31
33 ... 167	58	9	3		2KJ8642-2GB	■ -3 ■ D1 -Z	27	2KJ8642-4GC	■ -3 ■ D1 -Z	31
35 ... 177	54	8.47	3.1		2KJ8642-2GB	■ -3 ■ C1 -Z	27	2KJ8642-4GC	■ -3 ■ C1 -Z	31
40 ... 201	48	7.47	3.4		2KJ8642-2GB	■ -3 ■ B1 -Z	27	2KJ8642-4GC	■ -3 ■ B1 -Z	31
46 ... 231	42	6.48	3.7		2KJ8642-2GB	■ -3 ■ A1 -Z	27	2KJ8642-4GC	■ -3 ■ A1 -Z	31
C.29-LE90S.										
17 ... 85	113	17.6	0.81		2KJ8601-2GB	■ -3 ■ K1 -Z	21	2KJ8601-4GC	■ -3 ■ K1 -Z	25
19.1 ... 95	101	15.71	0.92		2KJ8601-2GB	■ -3 ■ J1 -Z	21	2KJ8601-4GC	■ -3 ■ J1 -Z	25
21 ... 107	90	14	1		2KJ8601-2GB	■ -3 ■ H1 -Z	21	2KJ8601-4GC	■ -3 ■ H1 -Z	25
23 ... 116	83	12.92	1.1		2KJ8601-2GB	■ -3 ■ G1 -Z	21	2KJ8601-4GC	■ -3 ■ G1 -Z	25
27 ... 133	73	11.31	1.3		2KJ8601-2GB	■ -3 ■ F1 -Z	21	2KJ8601-4GC	■ -3 ■ F1 -Z	25

Article No. supplements

Motor temperature sensor

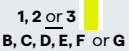
without
with Pt1000



Motor brake

(brake voltage 180 V DC)

without
with see Seite 5/2



Converter fieldbus communication see Seite 5/2



Special versions see Chapter 4 „Additional Order options“

Order code



Order code



Selection and ordering data

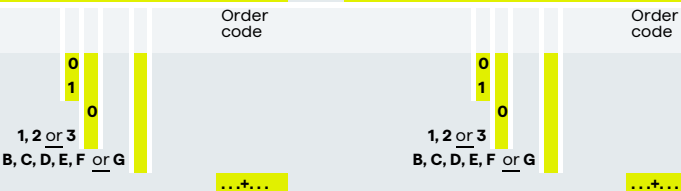
Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4				
					Article No. (Article No. supplements see below)	m kg		Article No. (Article No. supplements see below)	m kg			
0.75	C.29-LE90S.											
	30 ... 151	64	9.92	1.5	2KJ8601-2GB	■ ■ -3	■ E1 -Z	21	2KJ8601-4GC	■ ■ -3	■ E1 -Z	25
	33 ... 167	58	9	1.6	2KJ8601-2GB	■ ■ -3	■ D1 -Z	21	2KJ8601-4GC	■ ■ -3	■ D1 -Z	25
	35 ... 177	54	8.47	1.6	2KJ8601-2GB	■ ■ -3	■ C1 -Z	21	2KJ8601-4GC	■ ■ -3	■ C1 -Z	25
	40 ... 201	48	7.47	1.8	2KJ8601-2GB	■ ■ -3	■ B1 -Z	21	2KJ8601-4GC	■ ■ -3	■ B1 -Z	25
46 ... 231	42	6.48	1.9	2KJ8601-2GB	■ ■ -3	■ A1 -Z	21	2KJ8601-4GC	■ ■ -3	■ A1 -Z	25	
1.5	C.89-LE90L.											
	1.2 ... 6.2	1680	240.5	0.86	2KJ8605-2GG	■ ■ -3	■ J2 -Z	65	2KJ8605-4GH	■ ■ -3	■ J2 -Z	68
	1.4 ... 6.8	1550	222	0.93	2KJ8605-2GG	■ ■ -3	■ H2 -Z	65	2KJ8605-4GH	■ ■ -3	■ H2 -Z	68
	1.5 ... 7.4	1420	203.36	1	2KJ8605-2GG	■ ■ -3	■ G2 -Z	65	2KJ8605-4GH	■ ■ -3	■ G2 -Z	68
	1.8 ... 8.8	1190	170.62	1.1	2KJ8605-2GG	■ ■ -3	■ F2 -Z	65	2KJ8605-4GH	■ ■ -3	■ F2 -Z	68
	1.9 ... 9.3	1120	160.59	1.2	2KJ8605-2GG	■ ■ -3	■ E2 -Z	65	2KJ8605-4GH	■ ■ -3	■ E2 -Z	68
	2 ... 10.2	1030	147.33	1.2	2KJ8605-2GG	■ ■ -3	■ D2 -Z	65	2KJ8605-4GH	■ ■ -3	■ D2 -Z	68
	2.3 ... 11.7	900	128.7	1.3	2KJ8605-2GG	■ ■ -3	■ C2 -Z	65	2KJ8605-4GH	■ ■ -3	■ C2 -Z	68
	2.6 ... 13	810	115.23	1.4	2KJ8605-2GG	■ ■ -3	■ B2 -Z	65	2KJ8605-4GH	■ ■ -3	■ B2 -Z	68
	3 ... 14.9	705	100.75	1.5	2KJ8605-2GG	■ ■ -3	■ A2 -Z	65	2KJ8605-4GH	■ ■ -3	■ A2 -Z	68
	3.5 ... 17.3	605	86.48	1.6	2KJ8605-2GG	■ ■ -3	■ X1 -Z	65	2KJ8605-4GH	■ ■ -3	■ X1 -Z	68
	3.9 ... 19.6	535	76.44	1.7	2KJ8605-2GG	■ ■ -3	■ W1 -Z	65	2KJ8605-4GH	■ ■ -3	■ W1 -Z	68
	5.4 ... 27	480	55.61	3	2KJ8605-2GG	■ ■ -3	■ U1 -Z	65	2KJ8605-4GH	■ ■ -3	■ U1 -Z	68
	C.69-LE90L.											
	2.9 ... 14.6	845	102.5	0.8	2KJ8604-2GG	■ ■ -3	■ A2 -Z	43	2KJ8604-4GH	■ ■ -3	■ A2 -Z	46
	3.3 ... 16.7	745	90	0.91	2KJ8604-2GG	■ ■ -3	■ X1 -Z	43	2KJ8604-4GH	■ ■ -3	■ X1 -Z	46
	3.7 ... 18.3	675	81.82	0.99	2KJ8604-2GG	■ ■ -3	■ W1 -Z	43	2KJ8604-4GH	■ ■ -3	■ W1 -Z	46
	4.3 ... 21	580	70	1.1	2KJ8604-2GG	■ ■ -3	■ V1 -Z	43	2KJ8604-4GH	■ ■ -3	■ V1 -Z	46
	4.7 ... 24	530	63.64	1.2	2KJ8604-2GG	■ ■ -3	■ U1 -Z	43	2KJ8604-4GH	■ ■ -3	■ U1 -Z	46
	5.3 ... 27	465	56.25	1.3	2KJ8604-2GG	■ ■ -3	■ T1 -Z	43	2KJ8604-4GH	■ ■ -3	■ T1 -Z	46
	5.9 ... 29	425	51.14	1.3	2KJ8604-2GG	■ ■ -3	■ S1 -Z	43	2KJ8604-4GH	■ ■ -3	■ S1 -Z	46
	6.7 ... 33	370	44.79	1.4	2KJ8604-2GG	■ ■ -3	■ R1 -Z	43	2KJ8604-4GH	■ ■ -3	■ R1 -Z	46
	7.3 ... 36	345	41.35	1.5	2KJ8604-2GG	■ ■ -3	■ Q1 -Z	43	2KJ8604-4GH	■ ■ -3	■ Q1 -Z	46
	8.2 ... 41	305	36.61	1.6	2KJ8604-2GG	■ ■ -3	■ P1 -Z	43	2KJ8604-4GH	■ ■ -3	■ P1 -Z	46
	10 ... 50	255	30	2.1	2KJ8604-2GG	■ ■ -3	■ N1 -Z	43	2KJ8604-4GH	■ ■ -3	■ N1 -Z	46
	11.4 ... 57	225	26.28	2.2	2KJ8604-2GG	■ ■ -3	■ M1 -Z	43	2KJ8604-4GH	■ ■ -3	■ M1 -Z	46
	12.4 ... 62	210	24.26	2.3	2KJ8604-2GG	■ ■ -3	■ L1 -Z	43	2KJ8604-4GH	■ ■ -3	■ L1 -Z	46
	14 ... 70	186	21.48	2.5	2KJ8604-2GG	■ ■ -3	■ K1 -Z	43	2KJ8604-4GH	■ ■ -3	■ K1 -Z	46
	16.8 ... 84	154	17.88	2.8	2KJ8604-2GG	■ ■ -3	■ J1 -Z	43	2KJ8604-4GH	■ ■ -3	■ J1 -Z	46
	18.9 ... 94	139	15.88	2.6	2KJ8604-2GG	■ ■ -3	■ H1 -Z	43	2KJ8604-4GH	■ ■ -3	■ H1 -Z	46
21 ... 107	123	14.06	2.9	2KJ8604-2GG	■ ■ -3	■ G1 -Z	43	2KJ8604-4GH	■ ■ -3	■ G1 -Z	46	
26 ... 128	103	11.7	3.5	2KJ8604-2GG	■ ■ -3	■ F1 -Z	43	2KJ8604-4GH	■ ■ -3	■ F1 -Z	46	
C.49-LE90L.												
6.9 ... 35	365	43.27	0.95	2KJ8603-2GG	■ ■ -3	■ T1 -Z	34	2KJ8603-4GH	■ ■ -3	■ T1 -Z	37	
7.6 ... 38	335	39.33	1.2	2KJ8603-2GG	■ ■ -3	■ S1 -Z	34	2KJ8603-4GH	■ ■ -3	■ S1 -Z	37	
8.9 ... 44	285	33.73	1.3	2KJ8603-2GG	■ ■ -3	■ R1 -Z	34	2KJ8603-4GH	■ ■ -3	■ R1 -Z	37	
9.8 ... 49	260	30.67	1.5	2KJ8603-2GG	■ ■ -3	■ Q1 -Z	34	2KJ8603-4GH	■ ■ -3	■ Q1 -Z	37	
11.2 ... 56	230	26.89	1.6	2KJ8603-2GG	■ ■ -3	■ P1 -Z	34	2KJ8603-4GH	■ ■ -3	■ P1 -Z	37	
12.5 ... 62	205	24	1.7	2KJ8603-2GG	■ ■ -3	■ N1 -Z	34	2KJ8603-4GH	■ ■ -3	■ N1 -Z	37	
14 ... 70	183	21.39	1.8	2KJ8603-2GG	■ ■ -3	■ M1 -Z	34	2KJ8603-4GH	■ ■ -3	■ M1 -Z	37	
15.2 ... 76	169	19.74	1.9	2KJ8603-2GG	■ ■ -3	■ L1 -Z	34	2KJ8603-4GH	■ ■ -3	■ L1 -Z	37	
17.4 ... 87	148	17.29	2	2KJ8603-2GG	■ ■ -3	■ K1 -Z	34	2KJ8603-4GH	■ ■ -3	■ K1 -Z	37	
19.8 ... 99	130	15.16	2.2	2KJ8603-2GG	■ ■ -3	■ J1 -Z	34	2KJ8603-4GH	■ ■ -3	■ J1 -Z	37	
22 ... 109	118	13.75	2.3	2KJ8603-2GG	■ ■ -3	■ H1 -Z	34	2KJ8603-4GH	■ ■ -3	■ H1 -Z	37	
23 ... 116	111	12.94	2.4	2KJ8603-2GG	■ ■ -3	■ G1 -Z	34	2KJ8603-4GH	■ ■ -3	■ G1 -Z	37	
26 ... 131	98	11.41	2.6	2KJ8603-2GG	■ ■ -3	■ F1 -Z	34	2KJ8603-4GH	■ ■ -3	■ F1 -Z	37	
30 ... 152	84	9.9	2.8	2KJ8603-2GG	■ ■ -3	■ E1 -Z	34	2KJ8603-4GH	■ ■ -3	■ E1 -Z	37	
33 ... 167	79	9	3.2	2KJ8603-2GG	■ ■ -3	■ D1 -Z	34	2KJ8603-4GH	■ ■ -3	■ D1 -Z	37	
35 ... 177	74	8.47	3.4	2KJ8603-2GG	■ ■ -3	■ C1 -Z	34	2KJ8603-4GH	■ ■ -3	■ C1 -Z	37	
40 ... 201	65	7.47	3.7	2KJ8603-2GG	■ ■ -3	■ B1 -Z	34	2KJ8603-4GH	■ ■ -3	■ B1 -Z	37	
C.39A-LE90L.												
10.6 ... 53	245	28.32	0.95	2KJ8642-2GG	■ ■ -3	■ P1 -Z	30	2KJ8642-4GH	■ ■ -3	■ P1 -Z	33	
11.7 ... 58	225	25.75	1	2KJ8642-2GG	■ ■ -3	■ N1 -Z	30	2KJ8642-4GH	■ ■ -3	■ N1 -Z	33	

Article No. supplements

Motor temperature sensor	without with PT1000	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	0 1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...



Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
kW	rpm	Nm	-	-	Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
1.5								
C.39A-LE90L.								
13.6 ... 68	193	22.08	1.2	1.2	2KJ8642-2GG ■ ■ -3 ■ M1 -Z	30	2KJ8642-4GH ■ ■ -3 ■ M1 -Z	33
14.9 ... 75	175	20.07	1.3	1.3	2KJ8642-2GG ■ ■ -3 ■ L1 -Z	30	2KJ8642-4GH ■ ■ -3 ■ L1 -Z	33
17 ... 85	154	17.6	1.4	1.4	2KJ8642-2GG ■ ■ -3 ■ K1 -Z	30	2KJ8642-4GH ■ ■ -3 ■ K1 -Z	33
19.1 ... 95	137	15.71	1.5	1.5	2KJ8642-2GG ■ ■ -3 ■ J1 -Z	30	2KJ8642-4GH ■ ■ -3 ■ J1 -Z	33
21 ... 107	122	14	1.6	1.6	2KJ8642-2GG ■ ■ -3 ■ H1 -Z	30	2KJ8642-4GH ■ ■ -3 ■ H1 -Z	33
23 ... 116	113	12.92	1.7	1.7	2KJ8642-2GG ■ ■ -3 ■ G1 -Z	30	2KJ8642-4GH ■ ■ -3 ■ G1 -Z	33
27 ... 133	99	11.31	1.9	1.9	2KJ8642-2GG ■ ■ -3 ■ F1 -Z	30	2KJ8642-4GH ■ ■ -3 ■ F1 -Z	33
30 ... 151	87	9.92	2.1	2.1	2KJ8642-2GG ■ ■ -3 ■ E1 -Z	30	2KJ8642-4GH ■ ■ -3 ■ E1 -Z	33
33 ... 167	79	9	2.2	2.2	2KJ8642-2GG ■ ■ -3 ■ D1 -Z	30	2KJ8642-4GH ■ ■ -3 ■ D1 -Z	33
35 ... 177	74	8.47	2.3	2.3	2KJ8642-2GG ■ ■ -3 ■ C1 -Z	30	2KJ8642-4GH ■ ■ -3 ■ C1 -Z	33
40 ... 201	65	7.47	2.5	2.5	2KJ8642-2GG ■ ■ -3 ■ B1 -Z	30	2KJ8642-4GH ■ ■ -3 ■ B1 -Z	33
46 ... 231	57	6.48	2.7	2.7	2KJ8642-2GG ■ ■ -3 ■ A1 -Z	30	2KJ8642-4GH ■ ■ -3 ■ A1 -Z	33
C.29-LE90L.								
23 ... 116	113	12.92	0.82	0.82	2KJ8601-2GG ■ ■ -3 ■ G1 -Z	24	2KJ8601-4GH ■ ■ -3 ■ G1 -Z	27
27 ... 133	99	11.31	0.95	0.95	2KJ8601-2GG ■ ■ -3 ■ F1 -Z	24	2KJ8601-4GH ■ ■ -3 ■ F1 -Z	27
30 ... 151	87	9.92	1.1	1.1	2KJ8601-2GG ■ ■ -3 ■ E1 -Z	24	2KJ8601-4GH ■ ■ -3 ■ E1 -Z	27
33 ... 167	79	9	1.1	1.1	2KJ8601-2GG ■ ■ -3 ■ D1 -Z	24	2KJ8601-4GH ■ ■ -3 ■ D1 -Z	27
35 ... 177	74	8.47	1.2	1.2	2KJ8601-2GG ■ ■ -3 ■ C1 -Z	24	2KJ8601-4GH ■ ■ -3 ■ C1 -Z	27
40 ... 201	65	7.47	1.3	1.3	2KJ8601-2GG ■ ■ -3 ■ B1 -Z	24	2KJ8601-4GH ■ ■ -3 ■ B1 -Z	27
46 ... 231	57	6.48	1.4	1.4	2KJ8601-2GG ■ ■ -3 ■ A1 -Z	24	2KJ8601-4GH ■ ■ -3 ■ A1 -Z	27
2.2								
C.89-LE112MA.								
2 ... 10.2	1520	147.33	0.84	-	-	-	2KJ8605-4LC ■ ■ -3 ■ D2 -Z	86
2.3 ... 11.7	1320	128.7	0.88	-	-	-	2KJ8605-4LC ■ ■ -3 ■ C2 -Z	86
2.6 ... 13	1180	115.23	0.93	-	-	-	2KJ8605-4LC ■ ■ -3 ■ B2 -Z	86
3 ... 14.9	1030	100.75	1	-	-	-	2KJ8605-4LC ■ ■ -3 ■ A2 -Z	86
3.5 ... 17.3	885	86.48	1.1	-	-	-	2KJ8605-4LC ■ ■ -3 ■ X1 -Z	86
3.9 ... 19.6	785	76.44	1.2	-	-	-	2KJ8605-4LC ■ ■ -3 ■ W1 -Z	86
4.6 ... 23	665	65	1.3	-	-	-	2KJ8605-4LC ■ ■ -3 ■ V1 -Z	86
5.4 ... 27	705	55.61	2	-	-	-	2KJ8605-4LC ■ ■ -3 ■ U1 -Z	86
6 ... 30	630	50	2.2	-	-	-	2KJ8605-4LC ■ ■ -3 ■ T1 -Z	86
6.6 ... 33	570	45.22	2.4	-	-	-	2KJ8605-4LC ■ ■ -3 ■ S1 -Z	86
7.2 ... 36	530	41.74	2.5	-	-	-	2KJ8605-4LC ■ ■ -3 ■ R1 -Z	86
7.8 ... 39	485	38.24	2.6	-	-	-	2KJ8605-4LC ■ ■ -3 ■ Q1 -Z	86
9.4 ... 47	405	32.08	3	-	-	-	2KJ8605-4LC ■ ■ -3 ■ P1 -Z	86
9.9 ... 50	380	30.2	3.1	-	-	-	2KJ8605-4LC ■ ■ -3 ■ N1 -Z	86
10.8 ... 54	350	27.7	3.2	-	-	-	2KJ8605-4LC ■ ■ -3 ■ M1 -Z	86
12 ... 60	325	25.03	3.3	-	-	-	2KJ8605-4LC ■ ■ -3 ■ L1 -Z	86
C.89-LE100LA.								
2 ... 10.2	1520	147.33	0.84	0.84	2KJ8605-2JB ■ ■ -3 ■ D2 -Z	83	-	-
2.3 ... 11.7	1320	128.7	0.88	0.88	2KJ8605-2JB ■ ■ -3 ■ C2 -Z	83	-	-
2.6 ... 13	1180	115.23	0.93	0.93	2KJ8605-2JB ■ ■ -3 ■ B2 -Z	83	-	-
3 ... 14.9	1030	100.75	1	1	2KJ8605-2JB ■ ■ -3 ■ A2 -Z	83	-	-
3.5 ... 17.3	885	86.48	1.1	1.1	2KJ8605-2JB ■ ■ -3 ■ X1 -Z	83	-	-
3.9 ... 19.6	785	76.44	1.2	1.2	2KJ8605-2JB ■ ■ -3 ■ W1 -Z	83	-	-
4.6 ... 23	665	65	1.3	1.3	2KJ8605-2JB ■ ■ -3 ■ V1 -Z	83	-	-
5.4 ... 27	705	55.61	2	2	2KJ8605-2JB ■ ■ -3 ■ U1 -Z	83	-	-
6 ... 30	630	50	2.2	2.2	2KJ8605-2JB ■ ■ -3 ■ T1 -Z	83	-	-
6.6 ... 33	570	45.22	2.4	2.4	2KJ8605-2JB ■ ■ -3 ■ S1 -Z	83	-	-
7.2 ... 36	530	41.74	2.5	2.5	2KJ8605-2JB ■ ■ -3 ■ R1 -Z	83	-	-
7.8 ... 39	485	38.24	2.6	2.6	2KJ8605-2JB ■ ■ -3 ■ Q1 -Z	83	-	-
9.4 ... 47	405	32.08	3	3	2KJ8605-2JB ■ ■ -3 ■ P1 -Z	83	-	-
9.9 ... 50	380	30.2	3.1	3.1	2KJ8605-2JB ■ ■ -3 ■ N1 -Z	83	-	-
10.8 ... 54	350	27.7	3.2	3.2	2KJ8605-2JB ■ ■ -3 ■ M1 -Z	83	-	-
12 ... 60	325	25.03	3.3	3.3	2KJ8605-2JB ■ ■ -3 ■ L1 -Z	83	-	-
C.69-LE100LA.								
5.3 ... 27	685	56.25	0.88	0.88	2KJ8604-2JB ■ ■ -3 ■ T1 -Z	63	-	-
5.9 ... 29	625	51.14	0.91	0.91	2KJ8604-2JB ■ ■ -3 ■ S1 -Z	63	-	-
6.7 ... 33	545	44.79	0.99	0.99	2KJ8604-2JB ■ ■ -3 ■ R1 -Z	63	-	-

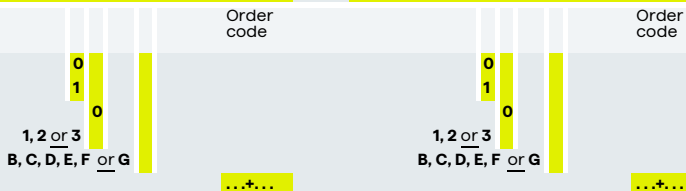
Article No. supplements		Order code	Order code
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	0 1, 2 or 3	0 1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...	...+...

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
2.2	C.69-LE100LA.							
7.3 ... 36	505	41.35	1	1	2KJ8604-2JB	63	-	-
8.2 ... 41	445	36.61	1.1	1.1	2KJ8604-2JB	63	-	-
10 ... 50	380	30	1.4	1.4	2KJ8604-2JB	63	-	-
11.4 ... 57	330	26.28	1.5	1.5	2KJ8604-2JB	63	-	-
12.4 ... 62	305	24.26	1.6	1.6	2KJ8604-2JB	63	-	-
14 ... 70	270	21.48	1.7	1.7	2KJ8604-2JB	63	-	-
16.8 ... 84	225	17.88	1.9	1.9	2KJ8604-2JB	63	-	-
18.9 ... 94	200	15.88	1.8	1.8	2KJ8604-2JB	63	-	-
21 ... 107	181	14.06	2	2	2KJ8604-2JB	63	-	-
26 ... 128	150	11.7	2.4	2.4	2KJ8604-2JB	63	-	-
27 ... 136	142	11.01	2.5	2.5	2KJ8604-2JB	63	-	-
30 ... 152	127	9.87	2.8	2.8	2KJ8604-2JB	63	-	-
36 ... 179	108	8.4	3.3	3.3	2KJ8604-2JB	63	-	-
	C.69-LE112MA.							
5.3 ... 27	685	56.25	0.88	-	-	-	2KJ8604-4LC	67
5.9 ... 29	625	51.14	0.91	-	-	-	2KJ8604-4LC	67
6.7 ... 33	545	44.79	0.99	-	-	-	2KJ8604-4LC	67
7.3 ... 36	505	41.35	1	-	-	-	2KJ8604-4LC	67
8.2 ... 41	445	36.61	1.1	-	-	-	2KJ8604-4LC	67
10 ... 50	380	30	1.4	-	-	-	2KJ8604-4LC	67
11.4 ... 57	330	26.28	1.5	-	-	-	2KJ8604-4LC	67
12.4 ... 62	305	24.26	1.6	-	-	-	2KJ8604-4LC	67
14 ... 70	270	21.48	1.7	-	-	-	2KJ8604-4LC	67
16.8 ... 84	225	17.88	1.9	-	-	-	2KJ8604-4LC	67
18.9 ... 94	200	15.88	1.8	-	-	-	2KJ8604-4LC	67
21 ... 107	181	14.06	2	-	-	-	2KJ8604-4LC	67
26 ... 128	150	11.7	2.4	-	-	-	2KJ8604-4LC	67
27 ... 136	142	11.01	2.5	-	-	-	2KJ8604-4LC	67
30 ... 152	127	9.87	2.8	-	-	-	2KJ8604-4LC	67
36 ... 179	108	8.4	3.3	-	-	-	2KJ8604-4LC	67
	C.49-LE100LA.							
11.2 ... 56	335	26.89	1.1	-	2KJ8603-2JB	54	-	-
12.5 ... 62	300	24	1.1	-	2KJ8603-2JB	54	-	-
14 ... 70	265	21.39	1.2	-	2KJ8603-2JB	54	-	-
15.2 ... 76	245	19.74	1.3	-	2KJ8603-2JB	54	-	-
17.4 ... 87	215	17.29	1.4	-	2KJ8603-2JB	54	-	-
19.8 ... 99	190	15.16	1.5	-	2KJ8603-2JB	54	-	-
22 ... 109	172	13.75	1.6	-	2KJ8603-2JB	54	-	-
23 ... 116	162	12.94	1.6	-	2KJ8603-2JB	54	-	-
26 ... 131	143	11.41	1.8	-	2KJ8603-2JB	54	-	-
30 ... 152	124	9.9	1.9	-	2KJ8603-2JB	54	-	-
33 ... 167	115	9	2.2	-	2KJ8603-2JB	54	-	-
35 ... 177	109	8.47	2.3	-	2KJ8603-2JB	54	-	-
40 ... 201	96	7.47	2.5	-	2KJ8603-2JB	54	-	-
46 ... 231	83	6.48	2.7	-	2KJ8603-2JB	54	-	-
	C.49-LE112MA.							
11.2 ... 56	335	26.89	1.1	-	-	-	2KJ8603-4LC	58
12.5 ... 62	300	24	1.1	-	-	-	2KJ8603-4LC	58
14 ... 70	265	21.39	1.2	-	-	-	2KJ8603-4LC	58
15.2 ... 76	245	19.74	1.3	-	-	-	2KJ8603-4LC	58
17.4 ... 87	215	17.29	1.4	-	-	-	2KJ8603-4LC	58
19.8 ... 99	190	15.16	1.5	-	-	-	2KJ8603-4LC	58
22 ... 109	172	13.75	1.6	-	-	-	2KJ8603-4LC	58
23 ... 116	162	12.94	1.6	-	-	-	2KJ8603-4LC	58
26 ... 131	143	11.41	1.8	-	-	-	2KJ8603-4LC	58
30 ... 152	124	9.9	1.9	-	-	-	2KJ8603-4LC	58
33 ... 167	115	9	2.2	-	-	-	2KJ8603-4LC	58
35 ... 177	109	8.47	2.3	-	-	-	2KJ8603-4LC	58

Article No. supplements

- Motor temperature sensor** without
with Pt1000
- Motor brake** without
(brake voltage 180 V DC) with see Seite 5/2
- Converter fieldbus communication** see Seite 5/2
- Special versions** see Chapter 4 „Additional Order options“



Helical worm geared motors

Selection and ordering data

Control range 1:5

Innometrics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

P _N	n ₂	T ₂	i	f _B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
2.2	C.49-LE112MA.							
40 ... 201	96	96	7.47	2.5	-	-	2KJ8603-4LC ■■■ -3 ■ B1 -Z	58
46 ... 231	83	83	6.48	2.7	-	-	2KJ8603-4LC ■■■ -3 ■ A1 -Z	58
C.39A-LE100LA.								
17 ... 85	225	17.6	0.97	2KJ8642-2JB ■■■ -3 ■ K1 -Z	46	-	-	-
19.1 ... 95	200	15.71	1	2KJ8642-2JB ■■■ -3 ■ J1 -Z	46	-	-	-
21 ... 107	179	14	1.1	2KJ8642-2JB ■■■ -3 ■ H1 -Z	46	-	-	-
23 ... 116	166	12.92	1.2	2KJ8642-2JB ■■■ -3 ■ G1 -Z	46	-	-	-
27 ... 133	145	11.31	1.3	2KJ8642-2JB ■■■ -3 ■ F1 -Z	46	-	-	-
30 ... 151	127	9.92	1.4	2KJ8642-2JB ■■■ -3 ■ E1 -Z	46	-	-	-
33 ... 167	115	9	1.5	2KJ8642-2JB ■■■ -3 ■ D1 -Z	46	-	-	-
35 ... 177	109	8.47	1.5	2KJ8642-2JB ■■■ -3 ■ C1 -Z	46	-	-	-
40 ... 201	96	7.47	1.7	2KJ8642-2JB ■■■ -3 ■ B1 -Z	46	-	-	-
46 ... 231	83	6.48	1.8	2KJ8642-2JB ■■■ -3 ■ A1 -Z	46	-	-	-
3	C.89-LE100LB.							
3.5 ... 17.3	1210	86.48	0.8	2KJ8605-2JG ■■■ -3 ■ X1 -Z	83	-	-	-
3.9 ... 19.6	1070	76.44	0.86	2KJ8605-2JG ■■■ -3 ■ W1 -Z	83	-	-	-
4.6 ... 23	910	65	0.94	2KJ8605-2JG ■■■ -3 ■ V1 -Z	83	-	-	-
5.4 ... 27	960	55.61	1.5	2KJ8605-2JG ■■■ -3 ■ U1 -Z	83	-	-	-
6 ... 30	860	50	1.6	2KJ8605-2JG ■■■ -3 ■ T1 -Z	83	-	-	-
6.6 ... 33	780	45.22	1.7	2KJ8605-2JG ■■■ -3 ■ S1 -Z	83	-	-	-
7.2 ... 36	720	41.74	1.8	2KJ8605-2JG ■■■ -3 ■ R1 -Z	83	-	-	-
7.8 ... 39	660	38.24	1.9	2KJ8605-2JG ■■■ -3 ■ Q1 -Z	83	-	-	-
9.4 ... 47	555	32.08	2.2	2KJ8605-2JG ■■■ -3 ■ P1 -Z	83	-	-	-
9.9 ... 50	520	30.2	2.3	2KJ8605-2JG ■■■ -3 ■ N1 -Z	83	-	-	-
10.8 ... 54	475	27.7	2.4	2KJ8605-2JG ■■■ -3 ■ M1 -Z	83	-	-	-
12 ... 60	440	25.03	2.5	2KJ8605-2JG ■■■ -3 ■ L1 -Z	83	-	-	-
14.3 ... 71	370	21	2.9	2KJ8605-2JG ■■■ -3 ■ K1 -Z	83	-	-	-
15.2 ... 76	350	19.76	3.2	2KJ8605-2JG ■■■ -3 ■ J1 -Z	83	-	-	-
C.89-LE112MB.								
3.5 ... 17.3	1210	86.48	0.8	-	-	-	2KJ8605-4LH ■■■ -3 ■ X1 -Z	86
3.9 ... 19.6	1070	76.44	0.86	-	-	-	2KJ8605-4LH ■■■ -3 ■ W1 -Z	86
4.6 ... 23	910	65	0.94	-	-	-	2KJ8605-4LH ■■■ -3 ■ V1 -Z	86
5.4 ... 27	960	55.61	1.5	-	-	-	2KJ8605-4LH ■■■ -3 ■ U1 -Z	86
6 ... 30	860	50	1.6	-	-	-	2KJ8605-4LH ■■■ -3 ■ T1 -Z	86
6.6 ... 33	780	45.22	1.7	-	-	-	2KJ8605-4LH ■■■ -3 ■ S1 -Z	86
7.2 ... 36	720	41.74	1.8	-	-	-	2KJ8605-4LH ■■■ -3 ■ R1 -Z	86
7.8 ... 39	660	38.24	1.9	-	-	-	2KJ8605-4LH ■■■ -3 ■ Q1 -Z	86
9.4 ... 47	555	32.08	2.2	-	-	-	2KJ8605-4LH ■■■ -3 ■ P1 -Z	86
9.9 ... 50	520	30.2	2.3	-	-	-	2KJ8605-4LH ■■■ -3 ■ N1 -Z	86
10.8 ... 54	475	27.7	2.4	-	-	-	2KJ8605-4LH ■■■ -3 ■ M1 -Z	86
12 ... 60	440	25.03	2.5	-	-	-	2KJ8605-4LH ■■■ -3 ■ L1 -Z	86
14.3 ... 71	370	21	2.9	-	-	-	2KJ8605-4LH ■■■ -3 ■ K1 -Z	86
15.2 ... 76	350	19.76	3.2	-	-	-	2KJ8605-4LH ■■■ -3 ■ J1 -Z	86
C.69-LE100LB.								
8.2 ... 41	610	36.61	0.81	2KJ8604-2JG ■■■ -3 ■ P1 -Z	63	-	-	-
10 ... 50	515	30	1	2KJ8604-2JG ■■■ -3 ■ N1 -Z	63	-	-	-
11.4 ... 57	450	26.28	1.1	2KJ8604-2JG ■■■ -3 ■ M1 -Z	63	-	-	-
12.4 ... 62	415	24.26	1.2	2KJ8604-2JG ■■■ -3 ■ L1 -Z	63	-	-	-
14 ... 70	370	21.48	1.3	2KJ8604-2JG ■■■ -3 ■ K1 -Z	63	-	-	-
16.8 ... 84	305	17.88	1.4	2KJ8604-2JG ■■■ -3 ■ J1 -Z	63	-	-	-
18.9 ... 94	275	15.88	1.3	2KJ8604-2JG ■■■ -3 ■ H1 -Z	63	-	-	-
21 ... 107	245	14.06	1.4	2KJ8604-2JG ■■■ -3 ■ G1 -Z	63	-	-	-
26 ... 128	205	11.7	1.8	2KJ8604-2JG ■■■ -3 ■ F1 -Z	63	-	-	-
27 ... 136	193	11.01	1.9	2KJ8604-2JG ■■■ -3 ■ E1 -Z	63	-	-	-
30 ... 152	173	9.87	2.1	2KJ8604-2JG ■■■ -3 ■ D1 -Z	63	-	-	-
36 ... 179	147	8.4	2.4	2KJ8604-2JG ■■■ -3 ■ C1 -Z	63	-	-	-
42 ... 208	126	7.2	2.9	2KJ8604-2JG ■■■ -3 ■ B1 -Z	63	-	-	-
48 ... 242	109	6.2	3.1	2KJ8604-2JG ■■■ -3 ■ A1 -Z	63	-	-	-

Article No. supplements

Motor temperature sensor

without
with Pt10000
1

Motor brake

(brake voltage 180 V DC)

without
with see Seite 5/21, 2 or 3
B, C, D, E, F or G

Converter fieldbus communication see Seite 5/2

1, 2 or 3
B, C, D, E, F or G

Special versions see Chapter 4 „Additional Order options“

Order code

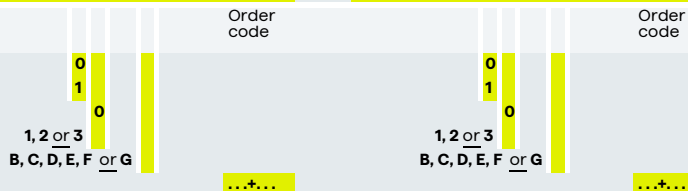
Order code

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4			
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg		
3	C.69-LE112MB.									
	8.2 ... 41	610	36.61	0.81	-	-	2KJ8604-4LH	■ ■ -3 ■ P1 -Z	67	
	10 ... 50	515	30	1	-	-	2KJ8604-4LH	■ ■ -3 ■ N1 -Z	67	
	11.4 ... 57	450	26.28	1.1	-	-	2KJ8604-4LH	■ ■ -3 ■ M1 -Z	67	
	12.4 ... 62	415	24.26	1.2	-	-	2KJ8604-4LH	■ ■ -3 ■ L1 -Z	67	
	14 ... 70	370	21.48	1.3	-	-	2KJ8604-4LH	■ ■ -3 ■ K1 -Z	67	
	16.8 ... 84	305	17.88	1.4	-	-	2KJ8604-4LH	■ ■ -3 ■ J1 -Z	67	
	18.9 ... 94	275	15.88	1.3	-	-	2KJ8604-4LH	■ ■ -3 ■ H1 -Z	67	
	21 ... 107	245	14.06	1.4	-	-	2KJ8604-4LH	■ ■ -3 ■ G1 -Z	67	
	26 ... 128	205	11.7	1.8	-	-	2KJ8604-4LH	■ ■ -3 ■ F1 -Z	67	
	27 ... 136	193	11.01	1.9	-	-	2KJ8604-4LH	■ ■ -3 ■ E1 -Z	67	
	30 ... 152	173	9.87	2.1	-	-	2KJ8604-4LH	■ ■ -3 ■ D1 -Z	67	
	36 ... 179	147	8.4	2.4	-	-	2KJ8604-4LH	■ ■ -3 ■ C1 -Z	67	
	42 ... 208	126	7.2	2.9	-	-	2KJ8604-4LH	■ ■ -3 ■ B1 -Z	67	
	48 ... 242	109	6.2	3.1	-	-	2KJ8604-4LH	■ ■ -3 ■ A1 -Z	67	
	C.49-LE100LB.									
	12.5 ... 62	410	24	0.83	2KJ8603-2JG	■ ■ -3 ■ N1 -Z	54	-	-	
	14 ... 70	365	21.39	0.89	2KJ8603-2JG	■ ■ -3 ■ M1 -Z	54	-	-	
	15.2 ... 76	335	19.74	0.93	2KJ8603-2JG	■ ■ -3 ■ L1 -Z	54	-	-	
	17.4 ... 87	295	17.29	1	2KJ8603-2JG	■ ■ -3 ■ K1 -Z	54	-	-	
	19.8 ... 99	255	15.16	1.1	2KJ8603-2JG	■ ■ -3 ■ J1 -Z	54	-	-	
	22 ... 109	235	13.75	1.1	2KJ8603-2JG	■ ■ -3 ■ H1 -Z	54	-	-	
	23 ... 116	220	12.94	1.2	2KJ8603-2JG	■ ■ -3 ■ G1 -Z	54	-	-	
	26 ... 131	195	11.41	1.3	2KJ8603-2JG	■ ■ -3 ■ F1 -Z	54	-	-	
	30 ... 152	169	9.9	1.4	2KJ8603-2JG	■ ■ -3 ■ E1 -Z	54	-	-	
	33 ... 167	157	9	1.6	2KJ8603-2JG	■ ■ -3 ■ D1 -Z	54	-	-	
	35 ... 177	148	8.47	1.7	2KJ8603-2JG	■ ■ -3 ■ C1 -Z	54	-	-	
	40 ... 201	131	7.47	1.8	2KJ8603-2JG	■ ■ -3 ■ B1 -Z	54	-	-	
	46 ... 231	113	6.48	2	2KJ8603-2JG	■ ■ -3 ■ A1 -Z	54	-	-	
	C.49-LE112MB.									
	12.5 ... 62	410	24	0.83	-	-	2KJ8603-4LH	■ ■ -3 ■ N1 -Z	58	
	14 ... 70	365	21.39	0.89	-	-	2KJ8603-4LH	■ ■ -3 ■ M1 -Z	58	
	15.2 ... 76	335	19.74	0.93	-	-	2KJ8603-4LH	■ ■ -3 ■ L1 -Z	58	
	17.4 ... 87	295	17.29	1	-	-	2KJ8603-4LH	■ ■ -3 ■ K1 -Z	58	
	19.8 ... 99	255	15.16	1.1	-	-	2KJ8603-4LH	■ ■ -3 ■ J1 -Z	58	
	22 ... 109	235	13.75	1.1	-	-	2KJ8603-4LH	■ ■ -3 ■ H1 -Z	58	
	23 ... 116	220	12.94	1.2	-	-	2KJ8603-4LH	■ ■ -3 ■ G1 -Z	58	
	26 ... 131	195	11.41	1.3	-	-	2KJ8603-4LH	■ ■ -3 ■ F1 -Z	58	
	30 ... 152	169	9.9	1.4	-	-	2KJ8603-4LH	■ ■ -3 ■ E1 -Z	58	
	33 ... 167	157	9	1.6	-	-	2KJ8603-4LH	■ ■ -3 ■ D1 -Z	58	
	35 ... 177	148	8.47	1.7	-	-	2KJ8603-4LH	■ ■ -3 ■ C1 -Z	58	
	40 ... 201	131	7.47	1.8	-	-	2KJ8603-4LH	■ ■ -3 ■ B1 -Z	58	
	46 ... 231	113	6.48	2	-	-	2KJ8603-4LH	■ ■ -3 ■ A1 -Z	58	
	C.39A-LE100LB.									
	21 ... 107	245	14	0.82	2KJ8642-2JG	■ ■ -3 ■ H1 -Z	46	-	-	
	23 ... 116	225	12.92	0.87	2KJ8642-2JG	■ ■ -3 ■ G1 -Z	46	-	-	
	27 ... 133	198	11.31	0.95	2KJ8642-2JG	■ ■ -3 ■ F1 -Z	46	-	-	
	30 ... 151	173	9.92	1	2KJ8642-2JG	■ ■ -3 ■ E1 -Z	46	-	-	
	33 ... 167	157	9	1.1	2KJ8642-2JG	■ ■ -3 ■ D1 -Z	46	-	-	
	35 ... 177	148	8.47	1.1	2KJ8642-2JG	■ ■ -3 ■ C1 -Z	46	-	-	
	40 ... 201	130	7.47	1.2	2KJ8642-2JG	■ ■ -3 ■ B1 -Z	46	-	-	
	46 ... 231	113	6.48	1.3	2KJ8642-2JG	■ ■ -3 ■ A1 -Z	46	-	-	
4	C.89-LE112MC.									
	5.4 ... 27	1280	55.61	1.1	2KJ8605-2LB	■ ■ -3 ■ U1 -Z	83	2KJ8605-4LN	■ ■ -3 ■ U1 -Z	91
	6 ... 30	1150	50	1.2	2KJ8605-2LB	■ ■ -3 ■ T1 -Z	83	2KJ8605-4LN	■ ■ -3 ■ T1 -Z	91
	6.6 ... 33	1040	45.22	1.3	2KJ8605-2LB	■ ■ -3 ■ S1 -Z	83	2KJ8605-4LN	■ ■ -3 ■ S1 -Z	91
	7.2 ... 36	960	41.74	1.4	2KJ8605-2LB	■ ■ -3 ■ R1 -Z	83	2KJ8605-4LN	■ ■ -3 ■ R1 -Z	91
	7.8 ... 39	880	38.24	1.5	2KJ8605-2LB	■ ■ -3 ■ Q1 -Z	83	2KJ8605-4LN	■ ■ -3 ■ Q1 -Z	91
	9.4 ... 47	740	32.08	1.6	2KJ8605-2LB	■ ■ -3 ■ P1 -Z	83	2KJ8605-4LN	■ ■ -3 ■ P1 -Z	91

Article No. supplements

- Motor temperature sensor** without / with Pt1000
- Motor brake** (brake voltage 180 V DC) without / with see Seite 5/2
- Converter fieldbus communication** see Seite 5/2
- Special versions** see Chapter 4 „Additional Order options“



Helical worm geared motors

Selection and ordering data

Control range 1:5

Innomotics SG G115D · Control range 1:5 / Motor speed range 300 ... 1500 rpm											
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4			
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	Article No.	m	
					(Article No. supplements see below)			(Article No. supplements see below)			
4	C.89-LE112MC.										
9.9 ... 50	695	30.2	1.7		2KJ8605-2LB	83	2KJ8605-4LN	83	2KJ8605-4LN	91	
10.8 ... 54	635	27.7	1.8		2KJ8605-2LB	83	2KJ8605-4LN	83	2KJ8605-4LN	91	
12 ... 60	590	25.03	1.8		2KJ8605-2LB	83	2KJ8605-4LN	83	2KJ8605-4LN	91	
14.3 ... 71	495	21	2.2		2KJ8605-2LB	83	2KJ8605-4LN	83	2KJ8605-4LN	91	
15.2 ... 76	465	19.76	2.4		2KJ8605-2LB	83	2KJ8605-4LN	83	2KJ8605-4LN	91	
16.5 ... 83	425	18.13	2.6		2KJ8605-2LB	83	2KJ8605-4LN	83	2KJ8605-4LN	91	
18.9 ... 95	375	15.84	2.9		2KJ8605-2LB	83	2KJ8605-4LN	83	2KJ8605-4LN	91	
21 ... 106	335	14.18	3.1		2KJ8605-2LB	83	2KJ8605-4LN	83	2KJ8605-4LN	91	
24 ... 121	290	12.4	3.4		2KJ8605-2LB	83	2KJ8605-4LN	83	2KJ8605-4LN	91	
C.69-LE112MC.											
11.4 ... 57	605	26.28	0.84		2KJ8604-2LB	64	2KJ8604-4LN	64	2KJ8604-4LN	72	
12.4 ... 62	555	24.26	0.88		2KJ8604-2LB	64	2KJ8604-4LN	64	2KJ8604-4LN	72	
14 ... 70	495	21.48	0.95		2KJ8604-2LB	64	2KJ8604-4LN	64	2KJ8604-4LN	72	
16.8 ... 84	410	17.88	1.1		2KJ8604-2LB	64	2KJ8604-4LN	64	2KJ8604-4LN	72	
18.9 ... 94	370	15.88	0.97		2KJ8604-2LB	64	2KJ8604-4LN	64	2KJ8604-4LN	72	
21 ... 107	325	14.06	1.1		2KJ8604-2LB	64	2KJ8604-4LN	64	2KJ8604-4LN	72	
26 ... 128	270	11.7	1.3		2KJ8604-2LB	64	2KJ8604-4LN	64	2KJ8604-4LN	72	
27 ... 136	255	11.01	1.4		2KJ8604-2LB	64	2KJ8604-4LN	64	2KJ8604-4LN	72	
30 ... 152	230	9.87	1.6		2KJ8604-2LB	64	2KJ8604-4LN	64	2KJ8604-4LN	72	
36 ... 179	196	8.4	1.8		2KJ8604-2LB	64	2KJ8604-4LN	64	2KJ8604-4LN	72	
42 ... 208	168	7.2	2.1		2KJ8604-2LB	64	2KJ8604-4LN	64	2KJ8604-4LN	72	
48 ... 242	145	6.2	2.3		2KJ8604-2LB	64	2KJ8604-4LN	64	2KJ8604-4LN	72	
C.49-LE112MC.											
19.8 ... 99	345	15.16	0.82		2KJ8603-2LB	55	2KJ8603-4LN	55	2KJ8603-4LN	63	
22 ... 109	310	13.75	0.86		2KJ8603-2LB	55	2KJ8603-4LN	55	2KJ8603-4LN	63	
23 ... 116	295	12.94	0.9		2KJ8603-2LB	55	2KJ8603-4LN	55	2KJ8603-4LN	63	
26 ... 131	260	11.41	0.98		2KJ8603-2LB	55	2KJ8603-4LN	55	2KJ8603-4LN	63	
30 ... 152	225	9.9	1.1		2KJ8603-2LB	55	2KJ8603-4LN	55	2KJ8603-4LN	63	
33 ... 167	210	9	1.2		2KJ8603-2LB	55	2KJ8603-4LN	55	2KJ8603-4LN	63	
35 ... 177	197	8.47	1.3		2KJ8603-2LB	55	2KJ8603-4LN	55	2KJ8603-4LN	63	
40 ... 201	174	7.47	1.4		2KJ8603-2LB	55	2KJ8603-4LN	55	2KJ8603-4LN	63	
46 ... 231	151	6.48	1.5		2KJ8603-2LB	55	2KJ8603-4LN	55	2KJ8603-4LN	63	
Article No. supplements											
Motor temperature sensor					without	0					
					with Pt1000	1					
Motor brake					without	0					
(brake voltage 180 V DC)					with see Seite 5/2	1, 2 or 3					
Converter fieldbus communication					see Seite 5/2	B, C, D, E, F or G					
Special versions					see Chapter 4 „Additional Order options“	...					

5

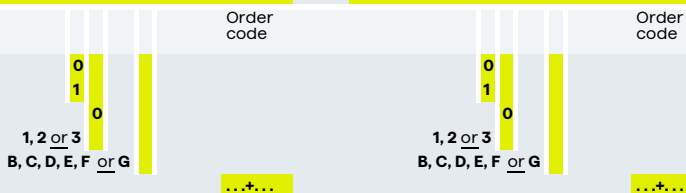
Innomatics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm

P _N	n ₂	T ₂	i	f _B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4			
					Article No.	m		Article No.	m		
kW	rpm	Nm	-	-	(Article No. supplements see below)			(Article No. supplements see below)			
						kg			kg		
0.55	C.89-LE71MB.										
	0.83 ... 8.3	465	363	2.8	2KJ8605-2CG	■ ■ ■ -4	■ N2 -Z	56	-	-	-
	C.69-LE71MB.										
	0.83 ... 8.3	460	360	1.4	2KJ8604-2CG	■ ■ ■ -4	■ M2 -Z	36	-	-	-
	0.94 ... 9.4	410	319.8	1.6	2KJ8604-2CG	■ ■ ■ -4	■ L2 -Z	36	-	-	-
	1.1 ... 10.7	360	280.8	1.7	2KJ8604-2CG	■ ■ ■ -4	■ K2 -Z	36	-	-	-
	1.2 ... 11.8	325	255.27	1.9	2KJ8604-2CG	■ ■ ■ -4	■ J2 -Z	36	-	-	-
	1.4 ... 13.7	280	218.4	2.1	2KJ8604-2CG	■ ■ ■ -4	■ H2 -Z	36	-	-	-
	1.5 ... 15.1	255	198.55	2.2	2KJ8604-2CG	■ ■ ■ -4	■ G2 -Z	36	-	-	-
	1.7 ... 17.1	225	175.5	2.3	2KJ8604-2CG	■ ■ ■ -4	■ F2 -Z	36	-	-	-
	1.9 ... 18.8	205	159.55	2.5	2KJ8604-2CG	■ ■ ■ -4	■ E2 -Z	36	-	-	-
	2.1 ... 21	180	139.75	2.6	2KJ8604-2CG	■ ■ ■ -4	■ D2 -Z	36	-	-	-
	2.3 ... 23	166	129	2.7	2KJ8604-2CG	■ ■ ■ -4	■ C2 -Z	36	-	-	-
	2.6 ... 26	147	114.21	2.9	2KJ8604-2CG	■ ■ ■ -4	■ B2 -Z	36	-	-	-
C.49-LE71MB.											
1 ... 10	385	299	0.92	2KJ8603-2CG	■ ■ ■ -4	■ N2 -Z	27	-	-	-	
1.1 ... 11.3	340	265.2	1	2KJ8603-2CG	■ ■ ■ -4	■ M2 -Z	27	-	-	-	
1.3 ... 13	295	230.1	1.2	2KJ8603-2CG	■ ■ ■ -4	■ L2 -Z	27	-	-	-	
1.4 ... 14.3	270	209.18	1.3	2KJ8603-2CG	■ ■ ■ -4	■ K2 -Z	27	-	-	-	
1.7 ... 16.7	230	179.4	1.5	2KJ8603-2CG	■ ■ ■ -4	■ J2 -Z	27	-	-	-	
1.8 ... 18.4	210	163.09	1.7	2KJ8603-2CG	■ ■ ■ -4	■ H2 -Z	27	-	-	-	
2.1 ... 21	185	143	1.9	2KJ8603-2CG	■ ■ ■ -4	■ G2 -Z	27	-	-	-	
2.4 ... 24	164	127.64	2	2KJ8603-2CG	■ ■ ■ -4	■ F2 -Z	27	-	-	-	
2.6 ... 26	146	113.75	2.1	2KJ8603-2CG	■ ■ ■ -4	■ E2 -Z	27	-	-	-	
2.9 ... 29	135	105	2.2	2KJ8603-2CG	■ ■ ■ -4	■ D2 -Z	27	-	-	-	
3.3 ... 33	118	91.93	2.3	2KJ8603-2CG	■ ■ ■ -4	■ C2 -Z	27	-	-	-	
3.7 ... 37	103	80.6	2.5	2KJ8603-2CG	■ ■ ■ -4	■ B2 -Z	27	-	-	-	
4.1 ... 41	94	73.12	2.6	2KJ8603-2CG	■ ■ ■ -4	■ A2 -Z	27	-	-	-	
4.4 ... 44	88	68.82	2.7	2KJ8603-2CG	■ ■ ■ -4	■ X1 -Z	27	-	-	-	
4.9 ... 49	78	60.67	2.9	2KJ8603-2CG	■ ■ ■ -4	■ W1 -Z	27	-	-	-	
5.7 ... 57	67	52.65	3.1	2KJ8603-2CG	■ ■ ■ -4	■ V1 -Z	27	-	-	-	
C.39A-LE71MB.											
1.7 ... 16.7	225	179.4	0.85	2KJ8642-2CG	■ ■ ■ -4	■ J2 -Z	21	-	-	-	
1.8 ... 18.4	205	163.09	0.93	2KJ8642-2CG	■ ■ ■ -4	■ H2 -Z	21	-	-	-	
2.1 ... 21	182	143	1.1	2KJ8642-2CG	■ ■ ■ -4	■ G2 -Z	21	-	-	-	
2.4 ... 24	163	127.64	1.2	2KJ8642-2CG	■ ■ ■ -4	■ F2 -Z	21	-	-	-	
2.6 ... 26	145	113.75	1.3	2KJ8642-2CG	■ ■ ■ -4	■ E2 -Z	21	-	-	-	
2.9 ... 29	134	105	1.4	2KJ8642-2CG	■ ■ ■ -4	■ D2 -Z	21	-	-	-	
3.3 ... 33	117	91.93	1.5	2KJ8642-2CG	■ ■ ■ -4	■ C2 -Z	21	-	-	-	
3.7 ... 37	102	80.6	1.6	2KJ8642-2CG	■ ■ ■ -4	■ B2 -Z	21	-	-	-	
4.1 ... 41	92	73.12	1.7	2KJ8642-2CG	■ ■ ■ -4	■ A2 -Z	21	-	-	-	
4.4 ... 44	87	68.82	1.8	2KJ8642-2CG	■ ■ ■ -4	■ X1 -Z	21	-	-	-	
4.9 ... 49	76	60.67	1.9	2KJ8642-2CG	■ ■ ■ -4	■ W1 -Z	21	-	-	-	
5.7 ... 57	66	52.65	2	2KJ8642-2CG	■ ■ ■ -4	■ V1 -Z	21	-	-	-	
6 ... 60	78	49.87	2.6	2KJ8642-2CG	■ ■ ■ -4	■ U1 -Z	21	-	-	-	
6.9 ... 69	67	43.27	2.9	2KJ8642-2CG	■ ■ ■ -4	■ T1 -Z	21	-	-	-	
7.6 ... 76	61	39.33	3.2	2KJ8642-2CG	■ ■ ■ -4	■ S1 -Z	21	-	-	-	
C.29-LE71MB.											
3.3 ... 33	123	91.93	0.9	2KJ8601-2CG	■ ■ ■ -4	■ C2 -Z	16	-	-	-	
3.7 ... 37	107	80.6	1	2KJ8601-2CG	■ ■ ■ -4	■ B2 -Z	16	-	-	-	
4.1 ... 41	97	73.12	1.1	2KJ8601-2CG	■ ■ ■ -4	■ A2 -Z	16	-	-	-	
4.4 ... 44	91	68.82	1.2	2KJ8601-2CG	■ ■ ■ -4	■ X1 -Z	16	-	-	-	
4.9 ... 49	80	60.67	1.3	2KJ8601-2CG	■ ■ ■ -4	■ W1 -Z	16	-	-	-	
5.7 ... 57	69	52.65	1.4	2KJ8601-2CG	■ ■ ■ -4	■ V1 -Z	16	-	-	-	
6 ... 60	79	49.87	1.3	2KJ8601-2CG	■ ■ ■ -4	■ U1 -Z	16	-	-	-	
6.9 ... 69	68	43.27	1.5	2KJ8601-2CG	■ ■ ■ -4	■ T1 -Z	16	-	-	-	
7.6 ... 76	62	39.33	1.7	2KJ8601-2CG	■ ■ ■ -4	■ S1 -Z	16	-	-	-	
8.9 ... 89	53	33.73	1.9	2KJ8601-2CG	■ ■ ■ -4	■ R1 -Z	16	-	-	-	
9.2 ... 92	52	32.64	1.8	2KJ8601-2CG	■ ■ ■ -4	■ Q1 -Z	16	-	-	-	

5

Article No. supplements

Motor temperature sensor	without with Pt1000	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	0 1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...



Helical worm geared motors

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm										
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3				Geared motors with synchronous reluctance motors IE4	
kW	rpm	Nm	-	-	Article No.	m	Article No.	m		
					(Article No. supplements see below)	kg	(Article No. supplements see below)	kg		
0.55	C.29-LE71MB.									
	10.6 ... 106	46	28.32	2	2KJ8601-2CG █ █ -4 █ P1 -Z	16	-	-	-	
	11.7 ... 117	41	25.75	2.2	2KJ8601-2CG █ █ -4 █ M1 -Z	16	-	-	-	
	13.6 ... 136	36	22.08	2.7	2KJ8601-2CG █ █ -4 █ M1 -Z	16	-	-	-	
	14.9 ... 149	32	20.07	2.9	2KJ8601-2CG █ █ -4 █ L1 -Z	16	-	-	-	
17 ... 170	28	17.6	3.4	2KJ8601-2CG █ █ -4 █ K1 -Z	16	-	-	-	-	
0.75	C.89-LE80MA.									
	0.83 ... 8.3	635	363	2.1	2KJ8605-2EB █ █ -4 █ N2 -Z	60	2KJ8605-4EC █ █ -4 █ N2 -Z	60	60	
	0.91 ... 9.1	575	329.73	2.3	2KJ8605-2EB █ █ -4 █ M2 -Z	60	2KJ8605-4EC █ █ -4 █ M2 -Z	60	60	
	1 ... 10.1	515	295.75	2.5	2KJ8605-2EB █ █ -4 █ L2 -Z	60	2KJ8605-4EC █ █ -4 █ L2 -Z	60	60	
	1.1 ... 11.3	460	265.91	2.7	2KJ8605-2EB █ █ -4 █ K2 -Z	60	2KJ8605-4EC █ █ -4 █ K2 -Z	60	60	
	1.2 ... 12.5	420	240.5	3	2KJ8605-2EB █ █ -4 █ J2 -Z	60	2KJ8605-4EC █ █ -4 █ J2 -Z	60	60	
	C.69-LE80MA.									
	0.94 ... 9.4	560	319.8	1.1	2KJ8604-2EB █ █ -4 █ L2 -Z	41	2KJ8604-4EC █ █ -4 █ L2 -Z	41	41	
	1.1 ... 10.7	490	280.8	1.3	2KJ8604-2EB █ █ -4 █ K2 -Z	41	2KJ8604-4EC █ █ -4 █ K2 -Z	41	41	
	1.2 ... 11.8	445	255.27	1.4	2KJ8604-2EB █ █ -4 █ J2 -Z	41	2KJ8604-4EC █ █ -4 █ J2 -Z	41	41	
	1.4 ... 13.7	385	218.4	1.5	2KJ8604-2EB █ █ -4 █ H2 -Z	41	2KJ8604-4EC █ █ -4 █ H2 -Z	41	41	
	1.5 ... 15.1	345	198.55	1.6	2KJ8604-2EB █ █ -4 █ G2 -Z	41	2KJ8604-4EC █ █ -4 █ G2 -Z	41	41	
	1.7 ... 17.1	305	175.5	1.7	2KJ8604-2EB █ █ -4 █ F2 -Z	41	2KJ8604-4EC █ █ -4 █ F2 -Z	41	41	
	1.9 ... 18.8	280	159.55	1.8	2KJ8604-2EB █ █ -4 █ E2 -Z	41	2KJ8604-4EC █ █ -4 █ E2 -Z	41	41	
	2.1 ... 21	245	139.75	1.9	2KJ8604-2EB █ █ -4 █ D2 -Z	41	2KJ8604-4EC █ █ -4 █ D2 -Z	41	41	
	2.3 ... 23	225	129	2	2KJ8604-2EB █ █ -4 █ C2 -Z	41	2KJ8604-4EC █ █ -4 █ C2 -Z	41	41	
	2.6 ... 26	200	114.21	2.1	2KJ8604-2EB █ █ -4 █ B2 -Z	41	2KJ8604-4EC █ █ -4 █ B2 -Z	41	41	
	2.9 ... 29	210	102.5	2.7	2KJ8604-2EB █ █ -4 █ A2 -Z	41	2KJ8604-4EC █ █ -4 █ A2 -Z	41	41	
	3.3 ... 33	187	90	3	2KJ8604-2EB █ █ -4 █ X1 -Z	41	2KJ8604-4EC █ █ -4 █ X1 -Z	41	41	
	3.7 ... 37	170	81.82	3.2	2KJ8604-2EB █ █ -4 █ W1 -Z	41	2KJ8604-4EC █ █ -4 █ W1 -Z	41	41	
C.49-LE80MA.										
1.3 ... 13	405	230.1	0.88	2KJ8603-2EB █ █ -4 █ L2 -Z	32	2KJ8603-4EC █ █ -4 █ L2 -Z	32	32		
1.4 ... 14.3	365	209.18	0.96	2KJ8603-2EB █ █ -4 █ K2 -Z	32	2KJ8603-4EC █ █ -4 █ K2 -Z	32	32		
1.7 ... 16.7	315	179.4	1.1	2KJ8603-2EB █ █ -4 █ J2 -Z	32	2KJ8603-4EC █ █ -4 █ J2 -Z	32	32		
1.8 ... 18.4	285	163.09	1.2	2KJ8603-2EB █ █ -4 █ H2 -Z	32	2KJ8603-4EC █ █ -4 █ H2 -Z	32	32		
2.1 ... 21	250	143	1.4	2KJ8603-2EB █ █ -4 █ G2 -Z	32	2KJ8603-4EC █ █ -4 █ G2 -Z	32	32		
2.4 ... 24	220	127.64	1.4	2KJ8603-2EB █ █ -4 █ F2 -Z	32	2KJ8603-4EC █ █ -4 █ F2 -Z	32	32		
2.6 ... 26	200	113.75	1.6	2KJ8603-2EB █ █ -4 █ E2 -Z	32	2KJ8603-4EC █ █ -4 █ E2 -Z	32	32		
2.9 ... 29	184	105	1.6	2KJ8603-2EB █ █ -4 █ D2 -Z	32	2KJ8603-4EC █ █ -4 █ D2 -Z	32	32		
3.3 ... 33	161	91.93	1.7	2KJ8603-2EB █ █ -4 █ C2 -Z	32	2KJ8603-4EC █ █ -4 █ C2 -Z	32	32		
3.7 ... 37	141	80.6	1.8	2KJ8603-2EB █ █ -4 █ B2 -Z	32	2KJ8603-4EC █ █ -4 █ B2 -Z	32	32		
4.1 ... 41	128	73.12	1.9	2KJ8603-2EB █ █ -4 █ A2 -Z	32	2KJ8603-4EC █ █ -4 █ A2 -Z	32	32		
4.4 ... 44	120	68.82	2	2KJ8603-2EB █ █ -4 █ X1 -Z	32	2KJ8603-4EC █ █ -4 █ X1 -Z	32	32		
4.9 ... 49	106	60.67	2.1	2KJ8603-2EB █ █ -4 █ W1 -Z	32	2KJ8603-4EC █ █ -4 █ W1 -Z	32	32		
5.7 ... 57	92	52.65	2.3	2KJ8603-2EB █ █ -4 █ V1 -Z	32	2KJ8603-4EC █ █ -4 █ V1 -Z	32	32		
6 ... 60	107	49.87	3	2KJ8603-2EB █ █ -4 █ U1 -Z	32	2KJ8603-4EC █ █ -4 █ U1 -Z	32	32		
C.39A-LE80MA.										
2.4 ... 24	220	127.64	0.87	2KJ8642-2EB █ █ -4 █ F2 -Z	26	2KJ8642-4EC █ █ -4 █ F2 -Z	26	26		
2.6 ... 26	198	113.75	0.98	2KJ8642-2EB █ █ -4 █ E2 -Z	26	2KJ8642-4EC █ █ -4 █ E2 -Z	26	26		
2.9 ... 29	182	105	1	2KJ8642-2EB █ █ -4 █ D2 -Z	26	2KJ8642-4EC █ █ -4 █ D2 -Z	26	26		
3.3 ... 33	159	91.93	1.1	2KJ8642-2EB █ █ -4 █ C2 -Z	26	2KJ8642-4EC █ █ -4 █ C2 -Z	26	26		
3.7 ... 37	139	80.6	1.2	2KJ8642-2EB █ █ -4 █ B2 -Z	26	2KJ8642-4EC █ █ -4 █ B2 -Z	26	26		
4.1 ... 41	126	73.12	1.3	2KJ8642-2EB █ █ -4 █ A2 -Z	26	2KJ8642-4EC █ █ -4 █ A2 -Z	26	26		
4.4 ... 44	119	68.82	1.3	2KJ8642-2EB █ █ -4 █ X1 -Z	26	2KJ8642-4EC █ █ -4 █ X1 -Z	26	26		
4.9 ... 49	104	60.67	1.4	2KJ8642-2EB █ █ -4 █ W1 -Z	26	2KJ8642-4EC █ █ -4 █ W1 -Z	26	26		
5.7 ... 57	90	52.65	1.5	2KJ8642-2EB █ █ -4 █ V1 -Z	26	2KJ8642-4EC █ █ -4 █ V1 -Z	26	26		
6 ... 60	106	49.87	1.9	2KJ8642-2EB █ █ -4 █ U1 -Z	26	2KJ8642-4EC █ █ -4 █ U1 -Z	26	26		
6.9 ... 69	92	43.27	2.2	2KJ8642-2EB █ █ -4 █ T1 -Z	26	2KJ8642-4EC █ █ -4 █ T1 -Z	26	26		
7.6 ... 76	83	39.33	2.4	2KJ8642-2EB █ █ -4 █ S1 -Z	26	2KJ8642-4EC █ █ -4 █ S1 -Z	26	26		
8.9 ... 89	71	33.73	2.7	2KJ8642-2EB █ █ -4 █ R1 -Z	26	2KJ8642-4EC █ █ -4 █ R1 -Z	26	26		
9.2 ... 92	71	32.64	2.8	2KJ8642-2EB █ █ -4 █ Q1 -Z	26	2KJ8642-4EC █ █ -4 █ Q1 -Z	26	26		
10.6 ... 106	62	28.32	3.2	2KJ8642-2EB █ █ -4 █ P1 -Z	26	2KJ8642-4EC █ █ -4 █ P1 -Z	26	26		
Article No. supplements						Order code				
Motor temperature sensor	without	0					0			
	with Pt1000	1					1			
Motor brake	without	0					0			
(brake voltage 180 V DC)	with see Seite 5/2	1, 2 or 3					1, 2 or 3			
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G					B, C, D, E, F or G			
Special versions	see Chapter 4 „Additional Order options“									

Selection and ordering data

Control range 1:10

Innomatics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm

P_N kW	n_2 rpm	T_2 Nm	i -	f_B -	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
0.75	C.29-LE80MA.							
4.1 ... 41	44	133	73.12	0.83	2KJ8601-2EB ■■-4 ■■ A2 -Z	20	2KJ8601-4EC ■■-4 ■■ A2 -Z	20
4.4 ... 44	125	68.82	0.87	0.87	2KJ8601-2EB ■■-4 ■■ X1 -Z	20	2KJ8601-4EC ■■-4 ■■ X1 -Z	20
4.9 ... 49	109	60.67	0.93	0.93	2KJ8601-2EB ■■-4 ■■ W1 -Z	20	2KJ8601-4EC ■■-4 ■■ W1 -Z	20
5.7 ... 57	95	52.65	1	1	2KJ8601-2EB ■■-4 ■■ V1 -Z	20	2KJ8601-4EC ■■-4 ■■ V1 -Z	20
6 ... 60	107	49.87	0.98	0.98	2KJ8601-2EB ■■-4 ■■ U1 -Z	20	2KJ8601-4EC ■■-4 ■■ U1 -Z	20
6.9 ... 69	93	43.27	1.1	1.1	2KJ8601-2EB ■■-4 ■■ T1 -Z	20	2KJ8601-4EC ■■-4 ■■ T1 -Z	20
7.6 ... 76	85	39.33	1.2	1.2	2KJ8601-2EB ■■-4 ■■ S1 -Z	20	2KJ8601-4EC ■■-4 ■■ S1 -Z	20
8.9 ... 89	73	33.73	1.4	1.4	2KJ8601-2EB ■■-4 ■■ R1 -Z	20	2KJ8601-4EC ■■-4 ■■ R1 -Z	20
9.2 ... 92	71	32.64	1.3	1.3	2KJ8601-2EB ■■-4 ■■ Q1 -Z	20	2KJ8601-4EC ■■-4 ■■ Q1 -Z	20
10.6 ... 106	62	28.32	1.5	1.5	2KJ8601-2EB ■■-4 ■■ P1 -Z	20	2KJ8601-4EC ■■-4 ■■ P1 -Z	20
11.7 ... 117	56	25.75	1.6	1.6	2KJ8601-2EB ■■-4 ■■ N1 -Z	20	2KJ8601-4EC ■■-4 ■■ N1 -Z	20
13.6 ... 136	48	22.08	1.9	1.9	2KJ8601-2EB ■■-4 ■■ M1 -Z	20	2KJ8601-4EC ■■-4 ■■ M1 -Z	20
14.9 ... 149	44	20.07	2.1	2.1	2KJ8601-2EB ■■-4 ■■ L1 -Z	20	2KJ8601-4EC ■■-4 ■■ L1 -Z	20
17 ... 170	39	17.6	2.5	2.5	2KJ8601-2EB ■■-4 ■■ K1 -Z	20	2KJ8601-4EC ■■-4 ■■ K1 -Z	20
19.1 ... 191	34	15.71	2.8	2.8	2KJ8601-2EB ■■-4 ■■ J1 -Z	20	2KJ8601-4EC ■■-4 ■■ J1 -Z	20
21 ... 214	31	14	2.9	2.9	2KJ8601-2EB ■■-4 ■■ H1 -Z	20	2KJ8601-4EC ■■-4 ■■ H1 -Z	20
23 ... 232	28	12.92	3.1	3.1	2KJ8601-2EB ■■-4 ■■ G1 -Z	20	2KJ8601-4EC ■■-4 ■■ G1 -Z	20
27 ... 265	25	11.31	3.2	3.2	2KJ8601-2EB ■■-4 ■■ F1 -Z	20	2KJ8601-4EC ■■-4 ■■ F1 -Z	20
30 ... 302	22	9.92	3.4	3.4	2KJ8601-2EB ■■-4 ■■ E1 -Z	20	2KJ8601-4EC ■■-4 ■■ E1 -Z	20
33 ... 333	20	9	3.6	3.6	2KJ8601-2EB ■■-4 ■■ D1 -Z	20	2KJ8601-4EC ■■-4 ■■ D1 -Z	20
35 ... 354	18	8.47	3.8	3.8	2KJ8601-2EB ■■-4 ■■ C1 -Z	20	2KJ8601-4EC ■■-4 ■■ C1 -Z	20
40 ... 402	16	7.47	4.1	4.1	2KJ8601-2EB ■■-4 ■■ B1 -Z	20	2KJ8601-4EC ■■-4 ■■ B1 -Z	20
46 ... 463	14	6.48	4.1	4.1	2KJ8601-2EB ■■-4 ■■ A1 -Z	20	2KJ8601-4EC ■■-4 ■■ A1 -Z	20

1.1	C.89-LE80MB.							
0.83 ... 8.3	930	363	1.4	1.4	2KJ8605-2EG ■■-4 ■■ N2 -Z	59	2KJ8605-4EH ■■-4 ■■ N2 -Z	62
0.91 ... 9.1	845	329.73	1.5	1.5	2KJ8605-2EG ■■-4 ■■ M2 -Z	59	2KJ8605-4EH ■■-4 ■■ M2 -Z	62
1 ... 10.1	755	295.75	1.7	1.7	2KJ8605-2EG ■■-4 ■■ L2 -Z	59	2KJ8605-4EH ■■-4 ■■ L2 -Z	62
1.1 ... 11.3	680	265.91	1.9	1.9	2KJ8605-2EG ■■-4 ■■ K2 -Z	59	2KJ8605-4EH ■■-4 ■■ K2 -Z	62
1.2 ... 12.5	615	240.5	2	2	2KJ8605-2EG ■■-4 ■■ J2 -Z	59	2KJ8605-4EH ■■-4 ■■ J2 -Z	62
1.4 ... 13.5	565	222	2.1	2.1	2KJ8605-2EG ■■-4 ■■ H2 -Z	59	2KJ8605-4EH ■■-4 ■■ H2 -Z	62
1.5 ... 14.8	520	203.36	2.2	2.2	2KJ8605-2EG ■■-4 ■■ G2 -Z	59	2KJ8605-4EH ■■-4 ■■ G2 -Z	62
1.8 ... 17.6	435	170.62	2.5	2.5	2KJ8605-2EG ■■-4 ■■ F2 -Z	59	2KJ8605-4EH ■■-4 ■■ F2 -Z	62
1.9 ... 18.7	410	160.59	2.5	2.5	2KJ8605-2EG ■■-4 ■■ E2 -Z	59	2KJ8605-4EH ■■-4 ■■ E2 -Z	62
2 ... 20	375	147.33	2.7	2.7	2KJ8605-2EG ■■-4 ■■ D2 -Z	59	2KJ8605-4EH ■■-4 ■■ D2 -Z	62
2.3 ... 23	325	128.7	2.8	2.8	2KJ8605-2EG ■■-4 ■■ C2 -Z	59	2KJ8605-4EH ■■-4 ■■ C2 -Z	62
2.6 ... 26	295	115.23	3	3	2KJ8605-2EG ■■-4 ■■ B2 -Z	59	2KJ8605-4EH ■■-4 ■■ B2 -Z	62
	C.69-LE80MB.							
1.1 ... 10.7	720	280.8	0.87	0.87	2KJ8604-2EG ■■-4 ■■ K2 -Z	40	2KJ8604-4EH ■■-4 ■■ K2 -Z	43
1.2 ... 11.8	655	255.27	0.94	0.94	2KJ8604-2EG ■■-4 ■■ J2 -Z	40	2KJ8604-4EH ■■-4 ■■ J2 -Z	43
1.4 ... 13.7	560	218.4	1	1	2KJ8604-2EG ■■-4 ■■ H2 -Z	40	2KJ8604-4EH ■■-4 ■■ H2 -Z	43
1.5 ... 15.1	510	198.55	1.1	1.1	2KJ8604-2EG ■■-4 ■■ G2 -Z	40	2KJ8604-4EH ■■-4 ■■ G2 -Z	43
1.7 ... 17.1	450	175.5	1.2	1.2	2KJ8604-2EG ■■-4 ■■ F2 -Z	40	2KJ8604-4EH ■■-4 ■■ F2 -Z	43
1.9 ... 18.8	410	159.55	1.2	1.2	2KJ8604-2EG ■■-4 ■■ E2 -Z	40	2KJ8604-4EH ■■-4 ■■ E2 -Z	43
2.1 ... 21	360	139.75	1.3	1.3	2KJ8604-2EG ■■-4 ■■ D2 -Z	40	2KJ8604-4EH ■■-4 ■■ D2 -Z	43
2.3 ... 23	330	129	1.3	1.3	2KJ8604-2EG ■■-4 ■■ C2 -Z	40	2KJ8604-4EH ■■-4 ■■ C2 -Z	43
2.6 ... 26	290	114.21	1.4	1.4	2KJ8604-2EG ■■-4 ■■ B2 -Z	40	2KJ8604-4EH ■■-4 ■■ B2 -Z	43
2.9 ... 29	310	102.5	1.8	1.8	2KJ8604-2EG ■■-4 ■■ A2 -Z	40	2KJ8604-4EH ■■-4 ■■ A2 -Z	43
3.3 ... 33	270	90	2.1	2.1	2KJ8604-2EG ■■-4 ■■ X1 -Z	40	2KJ8604-4EH ■■-4 ■■ X1 -Z	43
3.7 ... 37	245	81.82	2.2	2.2	2KJ8604-2EG ■■-4 ■■ W1 -Z	40	2KJ8604-4EH ■■-4 ■■ W1 -Z	43
4.3 ... 43	210	70	2.4	2.4	2KJ8604-2EG ■■-4 ■■ V1 -Z	40	2KJ8604-4EH ■■-4 ■■ V1 -Z	43
4.7 ... 47	194	63.64	2.6	2.6	2KJ8604-2EG ■■-4 ■■ U1 -Z	40	2KJ8604-4EH ■■-4 ■■ U1 -Z	43
5.3 ... 53	171	56.25	2.8	2.8	2KJ8604-2EG ■■-4 ■■ T1 -Z	40	2KJ8604-4EH ■■-4 ■■ T1 -Z	43
5.9 ... 59	156	51.14	2.9	2.9	2KJ8604-2EG ■■-4 ■■ S1 -Z	40	2KJ8604-4EH ■■-4 ■■ S1 -Z	43
6.7 ... 67	136	44.79	3.1	3.1	2KJ8604-2EG ■■-4 ■■ R1 -Z	40	2KJ8604-4EH ■■-4 ■■ R1 -Z	43
7.3 ... 73	126	41.35	3.3	3.3	2KJ8604-2EG ■■-4 ■■ Q1 -Z	40	2KJ8604-4EH ■■-4 ■■ Q1 -Z	43
	C.49-LE80MB.							
1.8 ... 18.4	420	163.09	0.84	0.84	2KJ8603-2EG ■■-4 ■■ H2 -Z	31	2KJ8603-4EH ■■-4 ■■ H2 -Z	34
2.1 ... 21	370	143	0.95	0.95	2KJ8603-2EG ■■-4 ■■ G2 -Z	31	2KJ8603-4EH ■■-4 ■■ G2 -Z	34

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	1, 2 or 3	1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...	...+...

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm								
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3	m	Geared motors with synchronous reluctance motors IE4	
kW	rpm	Nm	-	-	Article No. (Article No. supplements see below)	kg	Article No. (Article No. supplements see below)	
1.1	C.49-LE80MB.							
2.4 ... 24	325	127.64	0.99		2KJ8603-2EG ■■-4 ■■ F2 -Z	31	2KJ8603-4EH ■■-4 ■■ F2 -Z	34
2.6 ... 26	290	113.75	1.1		2KJ8603-2EG ■■-4 ■■ E2 -Z	31	2KJ8603-4EH ■■-4 ■■ E2 -Z	34
2.9 ... 29	270	105	1.1		2KJ8603-2EG ■■-4 ■■ D2 -Z	31	2KJ8603-4EH ■■-4 ■■ D2 -Z	34
3.3 ... 33	235	91.93	1.2		2KJ8603-2EG ■■-4 ■■ C2 -Z	31	2KJ8603-4EH ■■-4 ■■ C2 -Z	34
3.7 ... 37	205	80.6	1.3		2KJ8603-2EG ■■-4 ■■ B2 -Z	31	2KJ8603-4EH ■■-4 ■■ B2 -Z	34
4.1 ... 41	187	73.12	1.3		2KJ8603-2EG ■■-4 ■■ A2 -Z	31	2KJ8603-4EH ■■-4 ■■ A2 -Z	34
4.4 ... 44	176	68.82	1.4		2KJ8603-2EG ■■-4 ■■ X1 -Z	31	2KJ8603-4EH ■■-4 ■■ X1 -Z	34
4.9 ... 49	155	60.67	1.4		2KJ8603-2EG ■■-4 ■■ W1 -Z	31	2KJ8603-4EH ■■-4 ■■ W1 -Z	34
5.7 ... 57	135	52.65	1.6		2KJ8603-2EG ■■-4 ■■ V1 -Z	31	2KJ8603-4EH ■■-4 ■■ V1 -Z	34
6 ... 60	156	49.87	2		2KJ8603-2EG ■■-4 ■■ U1 -Z	31	2KJ8603-4EH ■■-4 ■■ U1 -Z	34
6.9 ... 69	136	43.27	2.6		2KJ8603-2EG ■■-4 ■■ T1 -Z	31	2KJ8603-4EH ■■-4 ■■ T1 -Z	34
7.6 ... 76	123	39.33	2.7		2KJ8603-2EG ■■-4 ■■ S1 -Z	31	2KJ8603-4EH ■■-4 ■■ S1 -Z	34
8.9 ... 89	106	33.73	3		2KJ8603-2EG ■■-4 ■■ R1 -Z	31	2KJ8603-4EH ■■-4 ■■ R1 -Z	34
9.8 ... 98	96	30.67	3.1		2KJ8603-2EG ■■-4 ■■ Q1 -Z	31	2KJ8603-4EH ■■-4 ■■ Q1 -Z	34
11.2 ... 112	84	26.89	3.4		2KJ8603-2EG ■■-4 ■■ P1 -Z	31	2KJ8603-4EH ■■-4 ■■ P1 -Z	34
12.5 ... 125	75	24	3.6		2KJ8603-2EG ■■-4 ■■ N1 -Z	31	2KJ8603-4EH ■■-4 ■■ N1 -Z	34
	C.39A-LE80MB.							
3.7 ... 37	200	80.6	0.81		2KJ8642-2EG ■■-4 ■■ B2 -Z	25	2KJ8642-4EH ■■-4 ■■ B2 -Z	28
4.1 ... 41	184	73.12	0.86		2KJ8642-2EG ■■-4 ■■ A2 -Z	25	2KJ8642-4EH ■■-4 ■■ A2 -Z	28
4.4 ... 44	174	68.82	0.88		2KJ8642-2EG ■■-4 ■■ X1 -Z	25	2KJ8642-4EH ■■-4 ■■ X1 -Z	28
4.9 ... 49	153	60.67	0.93		2KJ8642-2EG ■■-4 ■■ W1 -Z	25	2KJ8642-4EH ■■-4 ■■ W1 -Z	28
5.7 ... 57	133	52.65	1		2KJ8642-2EG ■■-4 ■■ V1 -Z	25	2KJ8642-4EH ■■-4 ■■ V1 -Z	28
6 ... 60	155	49.87	1.3		2KJ8642-2EG ■■-4 ■■ U1 -Z	25	2KJ8642-4EH ■■-4 ■■ U1 -Z	28
6.9 ... 69	134	43.27	1.5		2KJ8642-2EG ■■-4 ■■ T1 -Z	25	2KJ8642-4EH ■■-4 ■■ T1 -Z	28
7.6 ... 76	122	39.33	1.6		2KJ8642-2EG ■■-4 ■■ S1 -Z	25	2KJ8642-4EH ■■-4 ■■ S1 -Z	28
8.9 ... 89	105	33.73	1.9		2KJ8642-2EG ■■-4 ■■ R1 -Z	25	2KJ8642-4EH ■■-4 ■■ R1 -Z	28
9.2 ... 92	105	32.64	1.9		2KJ8642-2EG ■■-4 ■■ Q1 -Z	25	2KJ8642-4EH ■■-4 ■■ Q1 -Z	28
10.6 ... 106	91	28.32	2.2		2KJ8642-2EG ■■-4 ■■ P1 -Z	25	2KJ8642-4EH ■■-4 ■■ P1 -Z	28
11.7 ... 117	82	25.75	2.4		2KJ8642-2EG ■■-4 ■■ N1 -Z	25	2KJ8642-4EH ■■-4 ■■ N1 -Z	28
13.6 ... 136	71	22.08	2.8		2KJ8642-2EG ■■-4 ■■ M1 -Z	25	2KJ8642-4EH ■■-4 ■■ M1 -Z	28
14.9 ... 149	64	20.07	2.9		2KJ8642-2EG ■■-4 ■■ L1 -Z	25	2KJ8642-4EH ■■-4 ■■ L1 -Z	28
17 ... 170	56	17.6	3.2		2KJ8642-2EG ■■-4 ■■ K1 -Z	25	2KJ8642-4EH ■■-4 ■■ K1 -Z	28
19.1 ... 191	50	15.71	3.4		2KJ8642-2EG ■■-4 ■■ J1 -Z	25	2KJ8642-4EH ■■-4 ■■ J1 -Z	28
21 ... 214	45	14	3.6		2KJ8642-2EG ■■-4 ■■ H1 -Z	25	2KJ8642-4EH ■■-4 ■■ H1 -Z	28
23 ... 232	41	12.92	3.8		2KJ8642-2EG ■■-4 ■■ G1 -Z	25	2KJ8642-4EH ■■-4 ■■ G1 -Z	28
	C.29-LE80MB.							
7.6 ... 76	124	39.33	0.84		2KJ8601-2EG ■■-4 ■■ S1 -Z	19	2KJ8601-4EH ■■-4 ■■ S1 -Z	22
8.9 ... 89	107	33.73	0.97		2KJ8601-2EG ■■-4 ■■ R1 -Z	19	2KJ8601-4EH ■■-4 ■■ R1 -Z	22
9.2 ... 92	105	32.64	0.88		2KJ8601-2EG ■■-4 ■■ Q1 -Z	19	2KJ8601-4EH ■■-4 ■■ Q1 -Z	22
10.6 ... 106	91	28.32	1		2KJ8601-2EG ■■-4 ■■ P1 -Z	19	2KJ8601-4EH ■■-4 ■■ P1 -Z	22
11.7 ... 117	83	25.75	1.1		2KJ8601-2EG ■■-4 ■■ N1 -Z	19	2KJ8601-4EH ■■-4 ■■ N1 -Z	22
13.6 ... 136	71	22.08	1.3		2KJ8601-2EG ■■-4 ■■ M1 -Z	19	2KJ8601-4EH ■■-4 ■■ M1 -Z	22
14.9 ... 149	64	20.07	1.5		2KJ8601-2EG ■■-4 ■■ L1 -Z	19	2KJ8601-4EH ■■-4 ■■ L1 -Z	22
17 ... 170	57	17.6	1.7		2KJ8601-2EG ■■-4 ■■ K1 -Z	19	2KJ8601-4EH ■■-4 ■■ K1 -Z	22
19.1 ... 191	50	15.71	1.9		2KJ8601-2EG ■■-4 ■■ J1 -Z	19	2KJ8601-4EH ■■-4 ■■ J1 -Z	22
21 ... 214	45	14	2		2KJ8601-2EG ■■-4 ■■ H1 -Z	19	2KJ8601-4EH ■■-4 ■■ H1 -Z	22
23 ... 232	41	12.92	2.1		2KJ8601-2EG ■■-4 ■■ G1 -Z	19	2KJ8601-4EH ■■-4 ■■ G1 -Z	22
27 ... 265	36	11.31	2.2		2KJ8601-2EG ■■-4 ■■ F1 -Z	19	2KJ8601-4EH ■■-4 ■■ F1 -Z	22
30 ... 302	32	9.92	2.3		2KJ8601-2EG ■■-4 ■■ E1 -Z	19	2KJ8601-4EH ■■-4 ■■ E1 -Z	22
33 ... 333	29	9	2.5		2KJ8601-2EG ■■-4 ■■ D1 -Z	19	2KJ8601-4EH ■■-4 ■■ D1 -Z	22
35 ... 354	27	8.47	2.6		2KJ8601-2EG ■■-4 ■■ C1 -Z	19	2KJ8601-4EH ■■-4 ■■ C1 -Z	22
40 ... 402	24	7.47	2.8		2KJ8601-2EG ■■-4 ■■ B1 -Z	19	2KJ8601-4EH ■■-4 ■■ B1 -Z	22
46 ... 463	21	6.48	2.8		2KJ8601-2EG ■■-4 ■■ A1 -Z	19	2KJ8601-4EH ■■-4 ■■ A1 -Z	22
1.5	C.89-LE90S.							
0.83 ... 8.3	1270	363	1		2KJ8605-2GB ■■-4 ■■ N2 -Z	62	2KJ8605-4GC ■■-4 ■■ N2 -Z	66
0.91 ... 9.1	1150	329.73	1.1		2KJ8605-2GB ■■-4 ■■ M2 -Z	62	2KJ8605-4GC ■■-4 ■■ M2 -Z	66
1 ... 10.1	1030	295.75	1.2		2KJ8605-2GB ■■-4 ■■ L2 -Z	62	2KJ8605-4GC ■■-4 ■■ L2 -Z	66
1.1 ... 11.3	925	265.91	1.4		2KJ8605-2GB ■■-4 ■■ K2 -Z	62	2KJ8605-4GC ■■-4 ■■ K2 -Z	66

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	0 1, 2 or 3	
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G	
Special versions	see Chapter 4 „Additional Order options“	...+...	

Innomotics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm							
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3	m	Geared motors with synchronous reluctance motors IE4
kW	rpm	Nm	-	-	Article No. (Article No. supplements see below)	kg	Article No. (Article No. supplements see below)
1.5	C.89-LE90S.						
1.2 ... 12.5	840	240.5	1.5	1.5	2KJ8605-2GB -4 J2 -Z	62	2KJ8605-4GC -4 J2 -Z
1.4 ... 13.5	775	222	1.5	1.5	2KJ8605-2GB -4 H2 -Z	62	2KJ8605-4GC -4 H2 -Z
1.5 ... 14.8	705	203.36	1.6	1.6	2KJ8605-2GB -4 G2 -Z	62	2KJ8605-4GC -4 G2 -Z
1.8 ... 17.6	590	170.62	1.8	1.8	2KJ8605-2GB -4 F2 -Z	62	2KJ8605-4GC -4 F2 -Z
1.9 ... 18.7	560	160.59	1.9	1.9	2KJ8605-2GB -4 E2 -Z	62	2KJ8605-4GC -4 E2 -Z
2 ... 20	510	147.33	2	2	2KJ8605-2GB -4 D2 -Z	62	2KJ8605-4GC -4 D2 -Z
2.3 ... 23	445	128.7	2.1	2.1	2KJ8605-2GB -4 C2 -Z	62	2KJ8605-4GC -4 C2 -Z
2.6 ... 26	400	115.23	2.2	2.2	2KJ8605-2GB -4 B2 -Z	62	2KJ8605-4GC -4 B2 -Z
3 ... 30	350	100.75	2.4	2.4	2KJ8605-2GB -4 A2 -Z	62	2KJ8605-4GC -4 A2 -Z
3.5 ... 35	300	86.48	2.6	2.6	2KJ8605-2GB -4 X1 -Z	62	2KJ8605-4GC -4 X1 -Z
3.9 ... 39	265	76.44	2.7	2.7	2KJ8605-2GB -4 W1 -Z	62	2KJ8605-4GC -4 W1 -Z
C.69-LE90S.							
1.7 ... 17.1	615	175.5	0.85	0.85	2KJ8604-2GB -4 F2 -Z	40	2KJ8604-4GC -4 F2 -Z
1.9 ... 18.8	560	159.55	0.9	0.9	2KJ8604-2GB -4 E2 -Z	40	2KJ8604-4GC -4 E2 -Z
2.1 ... 21	490	139.75	0.95	0.95	2KJ8604-2GB -4 D2 -Z	40	2KJ8604-4GC -4 D2 -Z
2.3 ... 23	450	129	0.98	0.98	2KJ8604-2GB -4 C2 -Z	40	2KJ8604-4GC -4 C2 -Z
2.6 ... 26	400	114.21	1	1	2KJ8604-2GB -4 B2 -Z	40	2KJ8604-4GC -4 B2 -Z
2.9 ... 29	425	102.5	1.3	1.3	2KJ8604-2GB -4 A2 -Z	40	2KJ8604-4GC -4 A2 -Z
3.3 ... 33	370	90	1.5	1.5	2KJ8604-2GB -4 X1 -Z	40	2KJ8604-4GC -4 X1 -Z
3.7 ... 37	340	81.82	1.6	1.6	2KJ8604-2GB -4 W1 -Z	40	2KJ8604-4GC -4 W1 -Z
4.3 ... 43	290	70	1.8	1.8	2KJ8604-2GB -4 V1 -Z	40	2KJ8604-4GC -4 V1 -Z
4.7 ... 47	260	63.64	1.9	1.9	2KJ8604-2GB -4 U1 -Z	40	2KJ8604-4GC -4 U1 -Z
5.3 ... 53	230	56.25	2.1	2.1	2KJ8604-2GB -4 T1 -Z	40	2KJ8604-4GC -4 T1 -Z
5.9 ... 59	210	51.14	2.1	2.1	2KJ8604-2GB -4 S1 -Z	40	2KJ8604-4GC -4 S1 -Z
6.7 ... 67	186	44.79	2.3	2.3	2KJ8604-2GB -4 R1 -Z	40	2KJ8604-4GC -4 R1 -Z
7.3 ... 73	172	41.35	2.4	2.4	2KJ8604-2GB -4 Q1 -Z	40	2KJ8604-4GC -4 Q1 -Z
8.2 ... 82	152	36.61	2.6	2.6	2KJ8604-2GB -4 P1 -Z	40	2KJ8604-4GC -4 P1 -Z
10 ... 100	129	30	3.3	3.3	2KJ8604-2GB -4 N1 -Z	40	2KJ8604-4GC -4 N1 -Z
C.49-LE90S.							
2.9 ... 29	365	105	0.8	0.8	2KJ8603-2GB -4 D2 -Z	31	2KJ8603-4GC -4 D2 -Z
3.3 ... 33	320	91.93	0.85	0.85	2KJ8603-2GB -4 C2 -Z	31	2KJ8603-4GC -4 C2 -Z
3.7 ... 37	280	80.6	0.92	0.92	2KJ8603-2GB -4 B2 -Z	31	2KJ8603-4GC -4 B2 -Z
4.1 ... 41	255	73.12	0.96	0.96	2KJ8603-2GB -4 A2 -Z	31	2KJ8603-4GC -4 A2 -Z
4.4 ... 44	240	68.82	1	1	2KJ8603-2GB -4 X1 -Z	31	2KJ8603-4GC -4 X1 -Z
4.9 ... 49	210	60.67	1.1	1.1	2KJ8603-2GB -4 W1 -Z	31	2KJ8603-4GC -4 W1 -Z
5.7 ... 57	184	52.65	1.1	1.1	2KJ8603-2GB -4 V1 -Z	31	2KJ8603-4GC -4 V1 -Z
6 ... 60	210	49.87	1.5	1.5	2KJ8603-2GB -4 U1 -Z	31	2KJ8603-4GC -4 U1 -Z
6.9 ... 69	185	43.27	1.9	1.9	2KJ8603-2GB -4 T1 -Z	31	2KJ8603-4GC -4 T1 -Z
7.6 ... 76	168	39.33	2	2	2KJ8603-2GB -4 S1 -Z	31	2KJ8603-4GC -4 S1 -Z
8.9 ... 89	144	33.73	2.2	2.2	2KJ8603-2GB -4 R1 -Z	31	2KJ8603-4GC -4 R1 -Z
9.8 ... 98	131	30.67	2.3	2.3	2KJ8603-2GB -4 Q1 -Z	31	2KJ8603-4GC -4 Q1 -Z
11.2 ... 112	115	26.89	2.5	2.5	2KJ8603-2GB -4 P1 -Z	31	2KJ8603-4GC -4 P1 -Z
12.5 ... 125	102	24	2.6	2.6	2KJ8603-2GB -4 N1 -Z	31	2KJ8603-4GC -4 N1 -Z
14 ... 140	91	21.39	2.8	2.8	2KJ8603-2GB -4 M1 -Z	31	2KJ8603-4GC -4 M1 -Z
15.2 ... 152	84	19.74	3	3	2KJ8603-2GB -4 L1 -Z	31	2KJ8603-4GC -4 L1 -Z
17.4 ... 174	74	17.29	3.2	3.2	2KJ8603-2GB -4 K1 -Z	31	2KJ8603-4GC -4 K1 -Z
19.8 ... 198	65	15.16	3.5	3.5	2KJ8603-2GB -4 J1 -Z	31	2KJ8603-4GC -4 J1 -Z
22 ... 218	59	13.75	3.5	3.5	2KJ8603-2GB -4 H1 -Z	31	2KJ8603-4GC -4 H1 -Z
23 ... 232	55	12.94	3.6	3.6	2KJ8603-2GB -4 G1 -Z	31	2KJ8603-4GC -4 G1 -Z
26 ... 263	48	11.41	3.6	3.6	2KJ8603-2GB -4 F1 -Z	31	2KJ8603-4GC -4 F1 -Z
30 ... 303	42	9.9	3.6	3.6	2KJ8603-2GB -4 E1 -Z	31	2KJ8603-4GC -4 E1 -Z
C.39A-LE90S.							
6 ... 60	210	49.87	0.94	0.94	2KJ8642-2GB -4 U1 -Z	27	2KJ8642-4GC -4 U1 -Z
6.9 ... 69	183	43.27	1.1	1.1	2KJ8642-2GB -4 T1 -Z	27	2KJ8642-4GC -4 T1 -Z
7.6 ... 76	167	39.33	1.2	1.2	2KJ8642-2GB -4 S1 -Z	27	2KJ8642-4GC -4 S1 -Z
8.9 ... 89	143	33.73	1.4	1.4	2KJ8642-2GB -4 R1 -Z	27	2KJ8642-4GC -4 R1 -Z
9.2 ... 92	143	32.64	1.4	1.4	2KJ8642-2GB -4 Q1 -Z	27	2KJ8642-4GC -4 Q1 -Z
10.6 ... 106	124	28.32	1.6	1.6	2KJ8642-2GB -4 P1 -Z	27	2KJ8642-4GC -4 P1 -Z

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	1, 2 or 3	1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions see Chapter 4 „Additional Order options“		...+...	...+...

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm								
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3 Article No. (Article No. supplements see below)	m	Geared motors with synchronous reluctance motors IE4 Article No. (Article No. supplements see below)	m
kW	rpm	Nm	-	-		kg		kg
1.5	C.39A-LE90S.							
11.7 ... 117	112	25.75	1.8		2KJ8642-2GB ■■ -4 ■ N1 -Z	27	2KJ8642-4GC ■■ -4 ■ N1 -Z	31
13.6 ... 136	96	22.08	2.1		2KJ8642-2GB ■■ -4 ■ M1 -Z	27	2KJ8642-4GC ■■ -4 ■ M1 -Z	31
14.9 ... 149	87	20.07	2.1		2KJ8642-2GB ■■ -4 ■ L1 -Z	27	2KJ8642-4GC ■■ -4 ■ L1 -Z	31
17 ... 170	77	17.6	2.3		2KJ8642-2GB ■■ -4 ■ K1 -Z	27	2KJ8642-4GC ■■ -4 ■ K1 -Z	31
19.1 ... 191	68	15.71	2.5		2KJ8642-2GB ■■ -4 ■ J1 -Z	27	2KJ8642-4GC ■■ -4 ■ J1 -Z	31
21 ... 214	61	14	2.7		2KJ8642-2GB ■■ -4 ■ H1 -Z	27	2KJ8642-4GC ■■ -4 ■ H1 -Z	31
23 ... 232	56	12.92	2.8		2KJ8642-2GB ■■ -4 ■ G1 -Z	27	2KJ8642-4GC ■■ -4 ■ G1 -Z	31
27 ... 265	49	11.31	3		2KJ8642-2GB ■■ -4 ■ F1 -Z	27	2KJ8642-4GC ■■ -4 ■ F1 -Z	31
30 ... 302	43	9.92	3.3		2KJ8642-2GB ■■ -4 ■ E1 -Z	27	2KJ8642-4GC ■■ -4 ■ E1 -Z	31
33 ... 333	39	9	3.3		2KJ8642-2GB ■■ -4 ■ D1 -Z	27	2KJ8642-4GC ■■ -4 ■ D1 -Z	31
35 ... 354	37	8.47	3.3		2KJ8642-2GB ■■ -4 ■ C1 -Z	27	2KJ8642-4GC ■■ -4 ■ C1 -Z	31
40 ... 402	32	7.47	3.3		2KJ8642-2GB ■■ -4 ■ B1 -Z	27	2KJ8642-4GC ■■ -4 ■ B1 -Z	31
46 ... 463	28	6.48	3.3		2KJ8642-2GB ■■ -4 ■ A1 -Z	27	2KJ8642-4GC ■■ -4 ■ A1 -Z	31
1.5	C.29-LE90S.							
11.7 ... 117	113	25.75	0.82		2KJ8601-2GB ■■ -4 ■ N1 -Z	21	2KJ8601-4GC ■■ -4 ■ N1 -Z	25
13.6 ... 136	97	22.08	0.97		2KJ8601-2GB ■■ -4 ■ M1 -Z	21	2KJ8601-4GC ■■ -4 ■ M1 -Z	25
14.9 ... 149	88	20.07	1.1		2KJ8601-2GB ■■ -4 ■ L1 -Z	21	2KJ8601-4GC ■■ -4 ■ L1 -Z	25
17 ... 170	77	17.6	1.2		2KJ8601-2GB ■■ -4 ■ K1 -Z	21	2KJ8601-4GC ■■ -4 ■ K1 -Z	25
19.1 ... 191	69	15.71	1.4		2KJ8601-2GB ■■ -4 ■ J1 -Z	21	2KJ8601-4GC ■■ -4 ■ J1 -Z	25
21 ... 214	61	14	1.5		2KJ8601-2GB ■■ -4 ■ H1 -Z	21	2KJ8601-4GC ■■ -4 ■ H1 -Z	25
23 ... 232	56	12.92	1.5		2KJ8601-2GB ■■ -4 ■ G1 -Z	21	2KJ8601-4GC ■■ -4 ■ G1 -Z	25
27 ... 265	50	11.31	1.6		2KJ8601-2GB ■■ -4 ■ F1 -Z	21	2KJ8601-4GC ■■ -4 ■ F1 -Z	25
30 ... 302	43	9.92	1.7		2KJ8601-2GB ■■ -4 ■ E1 -Z	21	2KJ8601-4GC ■■ -4 ■ E1 -Z	25
33 ... 333	39	9	1.8		2KJ8601-2GB ■■ -4 ■ D1 -Z	21	2KJ8601-4GC ■■ -4 ■ D1 -Z	25
35 ... 354	37	8.47	1.9		2KJ8601-2GB ■■ -4 ■ C1 -Z	21	2KJ8601-4GC ■■ -4 ■ C1 -Z	25
40 ... 402	33	7.47	2.1		2KJ8601-2GB ■■ -4 ■ B1 -Z	21	2KJ8601-4GC ■■ -4 ■ B1 -Z	25
46 ... 463	28	6.48	2.1		2KJ8601-2GB ■■ -4 ■ A1 -Z	21	2KJ8601-4GC ■■ -4 ■ A1 -Z	25
2.2	C.89-LE90L.							
1 ... 10.1	1510	295.75	0.85		2KJ8605-2GG ■■ -4 ■ L2 -Z	67	2KJ8605-4GH ■■ -4 ■ L2 -Z	70
1.1 ... 11.3	1360	265.91	0.93		2KJ8605-2GG ■■ -4 ■ K2 -Z	67	2KJ8605-4GH ■■ -4 ■ K2 -Z	70
1.2 ... 12.5	1230	240.5	1		2KJ8605-2GG ■■ -4 ■ J2 -Z	67	2KJ8605-4GH ■■ -4 ■ J2 -Z	70
1.4 ... 13.5	1130	222	1.1		2KJ8605-2GG ■■ -4 ■ H2 -Z	67	2KJ8605-4GH ■■ -4 ■ H2 -Z	70
1.5 ... 14.8	1040	203.36	1.1		2KJ8605-2GG ■■ -4 ■ G2 -Z	67	2KJ8605-4GH ■■ -4 ■ G2 -Z	70
1.8 ... 17.6	870	170.62	1.2		2KJ8605-2GG ■■ -4 ■ F2 -Z	67	2KJ8605-4GH ■■ -4 ■ F2 -Z	70
1.9 ... 18.7	820	160.59	1.3		2KJ8605-2GG ■■ -4 ■ E2 -Z	67	2KJ8605-4GH ■■ -4 ■ E2 -Z	70
2 ... 20	750	147.33	1.3		2KJ8605-2GG ■■ -4 ■ D2 -Z	67	2KJ8605-4GH ■■ -4 ■ D2 -Z	70
2.3 ... 23	655	128.7	1.4		2KJ8605-2GG ■■ -4 ■ C2 -Z	67	2KJ8605-4GH ■■ -4 ■ C2 -Z	70
2.6 ... 26	585	115.23	1.5		2KJ8605-2GG ■■ -4 ■ B2 -Z	67	2KJ8605-4GH ■■ -4 ■ B2 -Z	70
3 ... 30	510	100.75	1.6		2KJ8605-2GG ■■ -4 ■ A2 -Z	67	2KJ8605-4GH ■■ -4 ■ A2 -Z	70
3.5 ... 35	440	86.48	1.7		2KJ8605-2GG ■■ -4 ■ X1 -Z	67	2KJ8605-4GH ■■ -4 ■ X1 -Z	70
3.9 ... 39	385	76.44	1.9		2KJ8605-2GG ■■ -4 ■ W1 -Z	67	2KJ8605-4GH ■■ -4 ■ W1 -Z	70
5.4 ... 54	350	55.61	3.2		2KJ8605-2GG ■■ -4 ■ U1 -Z	67	2KJ8605-4GH ■■ -4 ■ U1 -Z	70
2.2	C.69-LE90L.							
2.9 ... 29	625	102.5	0.91		2KJ8604-2GG ■■ -4 ■ A2 -Z	45	2KJ8604-4GH ■■ -4 ■ A2 -Z	48
3.3 ... 33	545	90	1		2KJ8604-2GG ■■ -4 ■ X1 -Z	45	2KJ8604-4GH ■■ -4 ■ X1 -Z	48
3.7 ... 37	495	81.82	1.1		2KJ8604-2GG ■■ -4 ■ W1 -Z	45	2KJ8604-4GH ■■ -4 ■ W1 -Z	48
4.3 ... 43	425	70	1.2		2KJ8604-2GG ■■ -4 ■ V1 -Z	45	2KJ8604-4GH ■■ -4 ■ V1 -Z	48
4.7 ... 47	385	63.64	1.3		2KJ8604-2GG ■■ -4 ■ U1 -Z	45	2KJ8604-4GH ■■ -4 ■ U1 -Z	48
5.3 ... 53	340	56.25	1.4		2KJ8604-2GG ■■ -4 ■ T1 -Z	45	2KJ8604-4GH ■■ -4 ■ T1 -Z	48
5.9 ... 59	310	51.14	1.5		2KJ8604-2GG ■■ -4 ■ S1 -Z	45	2KJ8604-4GH ■■ -4 ■ S1 -Z	48
6.7 ... 67	270	44.79	1.6		2KJ8604-2GG ■■ -4 ■ R1 -Z	45	2KJ8604-4GH ■■ -4 ■ R1 -Z	48
7.3 ... 73	250	41.35	1.6		2KJ8604-2GG ■■ -4 ■ Q1 -Z	45	2KJ8604-4GH ■■ -4 ■ Q1 -Z	48
8.2 ... 82	220	36.61	1.7		2KJ8604-2GG ■■ -4 ■ P1 -Z	45	2KJ8604-4GH ■■ -4 ■ P1 -Z	48
10 ... 100	189	30	2.2		2KJ8604-2GG ■■ -4 ■ N1 -Z	45	2KJ8604-4GH ■■ -4 ■ N1 -Z	48
11.4 ... 114	166	26.28	2.4		2KJ8604-2GG ■■ -4 ■ M1 -Z	45	2KJ8604-4GH ■■ -4 ■ M1 -Z	48
12.4 ... 124	153	24.26	2.5		2KJ8604-2GG ■■ -4 ■ L1 -Z	45	2KJ8604-4GH ■■ -4 ■ L1 -Z	48
14 ... 140	136	21.48	2.7		2KJ8604-2GG ■■ -4 ■ K1 -Z	45	2KJ8604-4GH ■■ -4 ■ K1 -Z	48
16.8 ... 168	113	17.88	3.1		2KJ8604-2GG ■■ -4 ■ J1 -Z	45	2KJ8604-4GH ■■ -4 ■ J1 -Z	48
Article No. supplements					Order code		Order code	
Motor temperature sensor	without				0	1	0	1
	with Pt1000				1	0	1	0
Motor brake (brake voltage 180 V DC)	without				1, 2 or 3		1, 2 or 3	
	with see Seite 5/2				B, C, D, E, F or G		B, C, D, E, F or G	
Converter fieldbus communication	see Seite 5/2							
Special versions	see Chapter 4 „Additional Order options“					...+...		...+...

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B -	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4					
					Article No. (Article No. supplements see below)	m kg		Article No. (Article No. supplements see below)	m kg				
2.2	C.69-LE90L.												
	18.9 ... 189	102	15.88	3.5	2KJ8604-2GG ■■-4 ■ H1 -Z	45	2KJ8604-4GH ■■-4 ■ H1 -Z	48					
	C.49-LE90L.												
	6 ... 60	310	49.87	1	2KJ8603-2GG ■■-4 ■ U1 -Z	36	2KJ8603-4GH ■■-4 ■ U1 -Z	39					
	6.9 ... 69	270	43.27	1.3	2KJ8603-2GG ■■-4 ■ T1 -Z	36	2KJ8603-4GH ■■-4 ■ T1 -Z	39					
	7.6 ... 76	245	39.33	1.4	2KJ8603-2GG ■■-4 ■ S1 -Z	36	2KJ8603-4GH ■■-4 ■ S1 -Z	39					
	8.9 ... 89	210	33.73	1.5	2KJ8603-2GG ■■-4 ■ R1 -Z	36	2KJ8603-4GH ■■-4 ■ R1 -Z	39					
	9.8 ... 98	192	30.67	1.6	2KJ8603-2GG ■■-4 ■ Q1 -Z	36	2KJ8603-4GH ■■-4 ■ Q1 -Z	39					
	11.2 ... 112	168	26.89	1.7	2KJ8603-2GG ■■-4 ■ P1 -Z	36	2KJ8603-4GH ■■-4 ■ P1 -Z	39					
	12.5 ... 125	150	24	1.8	2KJ8603-2GG ■■-4 ■ N1 -Z	36	2KJ8603-4GH ■■-4 ■ N1 -Z	39					
	14 ... 140	134	21.39	1.9	2KJ8603-2GG ■■-4 ■ M1 -Z	36	2KJ8603-4GH ■■-4 ■ M1 -Z	39					
	15.2 ... 152	123	19.74	2	2KJ8603-2GG ■■-4 ■ L1 -Z	36	2KJ8603-4GH ■■-4 ■ L1 -Z	39					
	17.4 ... 174	108	17.29	2.2	2KJ8603-2GG ■■-4 ■ K1 -Z	36	2KJ8603-4GH ■■-4 ■ K1 -Z	39					
	19.8 ... 198	95	15.16	2.4	2KJ8603-2GG ■■-4 ■ J1 -Z	36	2KJ8603-4GH ■■-4 ■ J1 -Z	39					
	22 ... 218	86	13.75	2.4	2KJ8603-2GG ■■-4 ■ H1 -Z	36	2KJ8603-4GH ■■-4 ■ H1 -Z	39					
	23 ... 232	81	12.94	2.4	2KJ8603-2GG ■■-4 ■ G1 -Z	36	2KJ8603-4GH ■■-4 ■ G1 -Z	39					
	26 ... 263	71	11.41	2.4	2KJ8603-2GG ■■-4 ■ F1 -Z	36	2KJ8603-4GH ■■-4 ■ F1 -Z	39					
	30 ... 303	62	9.9	2.4	2KJ8603-2GG ■■-4 ■ E1 -Z	36	2KJ8603-4GH ■■-4 ■ E1 -Z	39					
	33 ... 333	57	9	3	2KJ8603-2GG ■■-4 ■ D1 -Z	36	2KJ8603-4GH ■■-4 ■ D1 -Z	39					
	35 ... 354	54	8.47	3	2KJ8603-2GG ■■-4 ■ C1 -Z	36	2KJ8603-4GH ■■-4 ■ C1 -Z	39					
	40 ... 402	48	7.47	3	2KJ8603-2GG ■■-4 ■ B1 -Z	36	2KJ8603-4GH ■■-4 ■ B1 -Z	39					
	46 ... 463	41	6.48	3	2KJ8603-2GG ■■-4 ■ A1 -Z	36	2KJ8603-4GH ■■-4 ■ A1 -Z	39					
	C.39A-LE90L.												
	7.6 ... 76	240	39.33	0.81	2KJ8642-2GG ■■-4 ■ S1 -Z	32	2KJ8642-4GH ■■-4 ■ S1 -Z	35					
	8.9 ... 89	210	33.73	0.94	2KJ8642-2GG ■■-4 ■ R1 -Z	32	2KJ8642-4GH ■■-4 ■ R1 -Z	35					
	9.2 ... 92	205	32.64	0.96	2KJ8642-2GG ■■-4 ■ Q1 -Z	32	2KJ8642-4GH ■■-4 ■ Q1 -Z	35					
	10.6 ... 106	181	28.32	1.1	2KJ8642-2GG ■■-4 ■ P1 -Z	32	2KJ8642-4GH ■■-4 ■ P1 -Z	35					
	11.7 ... 117	165	25.75	1.2	2KJ8642-2GG ■■-4 ■ N1 -Z	32	2KJ8642-4GH ■■-4 ■ N1 -Z	35					
	13.6 ... 136	141	22.08	1.4	2KJ8642-2GG ■■-4 ■ M1 -Z	32	2KJ8642-4GH ■■-4 ■ M1 -Z	35					
	14.9 ... 149	128	20.07	1.5	2KJ8642-2GG ■■-4 ■ L1 -Z	32	2KJ8642-4GH ■■-4 ■ L1 -Z	35					
	17 ... 170	113	17.6	1.6	2KJ8642-2GG ■■-4 ■ K1 -Z	32	2KJ8642-4GH ■■-4 ■ K1 -Z	35					
	19.1 ... 191	100	15.71	1.7	2KJ8642-2GG ■■-4 ■ J1 -Z	32	2KJ8642-4GH ■■-4 ■ J1 -Z	35					
	21 ... 214	89	14	1.8	2KJ8642-2GG ■■-4 ■ H1 -Z	32	2KJ8642-4GH ■■-4 ■ H1 -Z	35					
	23 ... 232	83	12.92	1.9	2KJ8642-2GG ■■-4 ■ G1 -Z	32	2KJ8642-4GH ■■-4 ■ G1 -Z	35					
	27 ... 265	72	11.31	2.1	2KJ8642-2GG ■■-4 ■ F1 -Z	32	2KJ8642-4GH ■■-4 ■ F1 -Z	35					
	30 ... 302	63	9.92	2.2	2KJ8642-2GG ■■-4 ■ E1 -Z	32	2KJ8642-4GH ■■-4 ■ E1 -Z	35					
	33 ... 333	58	9	2.2	2KJ8642-2GG ■■-4 ■ D1 -Z	32	2KJ8642-4GH ■■-4 ■ D1 -Z	35					
	35 ... 354	54	8.47	2.2	2KJ8642-2GG ■■-4 ■ C1 -Z	32	2KJ8642-4GH ■■-4 ■ C1 -Z	35					
	40 ... 402	48	7.47	2.2	2KJ8642-2GG ■■-4 ■ B1 -Z	32	2KJ8642-4GH ■■-4 ■ B1 -Z	35					
	46 ... 463	41	6.48	2.2	2KJ8642-2GG ■■-4 ■ A1 -Z	32	2KJ8642-4GH ■■-4 ■ A1 -Z	35					
	C.29-LE90L.												
	17 ... 170	113	17.6	0.84	2KJ8601-2GG ■■-4 ■ K1 -Z	26	2KJ8601-4GH ■■-4 ■ K1 -Z	29					
	19.1 ... 191	101	15.71	0.94	2KJ8601-2GG ■■-4 ■ J1 -Z	26	2KJ8601-4GH ■■-4 ■ J1 -Z	29					
	21 ... 214	90	14	1	2KJ8601-2GG ■■-4 ■ H1 -Z	26	2KJ8601-4GH ■■-4 ■ H1 -Z	29					
	23 ... 232	83	12.92	1	2KJ8601-2GG ■■-4 ■ G1 -Z	26	2KJ8601-4GH ■■-4 ■ G1 -Z	29					
	27 ... 265	73	11.31	1.1	2KJ8601-2GG ■■-4 ■ F1 -Z	26	2KJ8601-4GH ■■-4 ■ F1 -Z	29					
	30 ... 302	64	9.92	1.2	2KJ8601-2GG ■■-4 ■ E1 -Z	26	2KJ8601-4GH ■■-4 ■ E1 -Z	29					
	33 ... 333	58	9	1.2	2KJ8601-2GG ■■-4 ■ D1 -Z	26	2KJ8601-4GH ■■-4 ■ D1 -Z	29					
	35 ... 354	54	8.47	1.3	2KJ8601-2GG ■■-4 ■ C1 -Z	26	2KJ8601-4GH ■■-4 ■ C1 -Z	29					
	40 ... 402	48	7.47	1.4	2KJ8601-2GG ■■-4 ■ B1 -Z	26	2KJ8601-4GH ■■-4 ■ B1 -Z	29					
	46 ... 463	42	6.48	1.4	2KJ8601-2GG ■■-4 ■ A1 -Z	26	2KJ8601-4GH ■■-4 ■ A1 -Z	29					
3	C.89-LE112MA.												
	1.5 ... 14.8	1410	203.36	0.81	-	-	2KJ8605-4LC ■■-4 ■ G2 -Z	86					
	1.8 ... 17.6	1180	170.62	0.9	-	-	2KJ8605-4LC ■■-4 ■ F2 -Z	86					
	1.9 ... 18.7	1110	160.59	0.93	-	-	2KJ8605-4LC ■■-4 ■ E2 -Z	86					
	2 ... 20	1020	147.33	0.98	-	-	2KJ8605-4LC ■■-4 ■ D2 -Z	86					
	2.3 ... 23	895	128.7	1	-	-	2KJ8605-4LC ■■-4 ■ C2 -Z	86					
	2.6 ... 26	800	115.23	1.1	-	-	2KJ8605-4LC ■■-4 ■ B2 -Z	86					
	3 ... 30	700	100.75	1.2	-	-	2KJ8605-4LC ■■-4 ■ A2 -Z	86					

Article No. supplements		Order code		Order code	
Motor temperature sensor	without with Pt1000	0 1		0 1	
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	1, 2 or 3		1, 2 or 3	
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G		B, C, D, E, F or G	
Special versions	see Chapter 4 „Additional Order options“	...+...		...+...	



Helical worm geared motors

Selection and ordering data

Control range 1:10

Innometrics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4		
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg	
3	C.89-LE112MA.								
	3.5 ... 35	600	86.48	1.3	-	-	2KJ8605-4LC	■ ■ -4 ■ X1 -Z	86
	3.9 ... 39	530	76.44	1.4	-	-	2KJ8605-4LC	■ ■ -4 ■ W1 -Z	86
	4.6 ... 46	450	65	1.5	-	-	2KJ8605-4LC	■ ■ -4 ■ V1 -Z	86
	5.4 ... 54	480	55.61	2.4	-	-	2KJ8605-4LC	■ ■ -4 ■ U1 -Z	86
	6 ... 60	430	50	2.6	-	-	2KJ8605-4LC	■ ■ -4 ■ T1 -Z	86
	6.6 ... 66	390	45.22	2.8	-	-	2KJ8605-4LC	■ ■ -4 ■ S1 -Z	86
	7.2 ... 72	360	41.74	2.9	-	-	2KJ8605-4LC	■ ■ -4 ■ R1 -Z	86
	7.8 ... 78	330	38.24	3.1	-	-	2KJ8605-4LC	■ ■ -4 ■ Q1 -Z	86
	C.89-LE100LA.								
	1.5 ... 14.8	1410	203.36	0.81	2KJ8605-2JB	■ ■ -4 ■ G2 -Z	83	-	-
	1.8 ... 17.6	1180	170.62	0.9	2KJ8605-2JB	■ ■ -4 ■ F2 -Z	83	-	-
	1.9 ... 18.7	1110	160.59	0.93	2KJ8605-2JB	■ ■ -4 ■ E2 -Z	83	-	-
	2 ... 20	1020	147.33	0.98	2KJ8605-2JB	■ ■ -4 ■ D2 -Z	83	-	-
	2.3 ... 23	895	128.7	1	2KJ8605-2JB	■ ■ -4 ■ C2 -Z	83	-	-
	2.6 ... 26	800	115.23	1.1	2KJ8605-2JB	■ ■ -4 ■ B2 -Z	83	-	-
	3 ... 30	700	100.75	1.2	2KJ8605-2JB	■ ■ -4 ■ A2 -Z	83	-	-
	3.5 ... 35	600	86.48	1.3	2KJ8605-2JB	■ ■ -4 ■ X1 -Z	83	-	-
	3.9 ... 39	530	76.44	1.4	2KJ8605-2JB	■ ■ -4 ■ W1 -Z	83	-	-
	4.6 ... 46	450	65	1.5	2KJ8605-2JB	■ ■ -4 ■ V1 -Z	83	-	-
	5.4 ... 54	480	55.61	2.4	2KJ8605-2JB	■ ■ -4 ■ U1 -Z	83	-	-
	6 ... 60	430	50	2.6	2KJ8605-2JB	■ ■ -4 ■ T1 -Z	83	-	-
	6.6 ... 66	390	45.22	2.8	2KJ8605-2JB	■ ■ -4 ■ S1 -Z	83	-	-
	7.2 ... 72	360	41.74	2.9	2KJ8605-2JB	■ ■ -4 ■ R1 -Z	83	-	-
	7.8 ... 78	330	38.24	3.1	2KJ8605-2JB	■ ■ -4 ■ Q1 -Z	83	-	-
	C.69-LE100LA.								
	5.3 ... 53	465	56.25	1	2KJ8604-2JB	■ ■ -4 ■ T1 -Z	63	-	-
5.9 ... 59	425	51.14	1.1	2KJ8604-2JB	■ ■ -4 ■ S1 -Z	63	-	-	
6.7 ... 67	370	44.79	1.1	2KJ8604-2JB	■ ■ -4 ■ R1 -Z	63	-	-	
7.3 ... 73	340	41.35	1.2	2KJ8604-2JB	■ ■ -4 ■ Q1 -Z	63	-	-	
8.2 ... 82	300	36.61	1.3	2KJ8604-2JB	■ ■ -4 ■ P1 -Z	63	-	-	
10 ... 100	255	30	1.6	2KJ8604-2JB	■ ■ -4 ■ N1 -Z	63	-	-	
11.4 ... 114	225	26.28	1.8	2KJ8604-2JB	■ ■ -4 ■ M1 -Z	63	-	-	
12.4 ... 124	205	24.26	1.9	2KJ8604-2JB	■ ■ -4 ■ L1 -Z	63	-	-	
14 ... 140	185	21.48	2	2KJ8604-2JB	■ ■ -4 ■ K1 -Z	63	-	-	
16.8 ... 168	154	17.88	2.2	2KJ8604-2JB	■ ■ -4 ■ J1 -Z	63	-	-	
18.9 ... 189	139	15.88	2.6	2KJ8604-2JB	■ ■ -4 ■ H1 -Z	63	-	-	
21 ... 213	123	14.06	2.9	2KJ8604-2JB	■ ■ -4 ■ G1 -Z	63	-	-	
26 ... 256	102	11.7	3.2	2KJ8604-2JB	■ ■ -4 ■ F1 -Z	63	-	-	
27 ... 272	96	11.01	3.2	2KJ8604-2JB	■ ■ -4 ■ E1 -Z	63	-	-	
30 ... 304	86	9.87	3.1	2KJ8604-2JB	■ ■ -4 ■ D1 -Z	63	-	-	
36 ... 357	73	8.4	3.1	2KJ8604-2JB	■ ■ -4 ■ C1 -Z	63	-	-	
42 ... 417	62	7.2	3.2	2KJ8604-2JB	■ ■ -4 ■ B1 -Z	63	-	-	
48 ... 484	54	6.2	3.2	2KJ8604-2JB	■ ■ -4 ■ A1 -Z	63	-	-	
C.69-LE112MA.									
5.3 ... 53	465	56.25	1	-	-	2KJ8604-4LC	■ ■ -4 ■ T1 -Z	67	
5.9 ... 59	425	51.14	1.1	-	-	2KJ8604-4LC	■ ■ -4 ■ S1 -Z	67	
6.7 ... 67	370	44.79	1.1	-	-	2KJ8604-4LC	■ ■ -4 ■ R1 -Z	67	
7.3 ... 73	340	41.35	1.2	-	-	2KJ8604-4LC	■ ■ -4 ■ Q1 -Z	67	
8.2 ... 82	300	36.61	1.3	-	-	2KJ8604-4LC	■ ■ -4 ■ P1 -Z	67	
10 ... 100	255	30	1.6	-	-	2KJ8604-4LC	■ ■ -4 ■ N1 -Z	67	
11.4 ... 114	225	26.28	1.8	-	-	2KJ8604-4LC	■ ■ -4 ■ M1 -Z	67	
12.4 ... 124	205	24.26	1.9	-	-	2KJ8604-4LC	■ ■ -4 ■ L1 -Z	67	
14 ... 140	185	21.48	2	-	-	2KJ8604-4LC	■ ■ -4 ■ K1 -Z	67	
16.8 ... 168	154	17.88	2.2	-	-	2KJ8604-4LC	■ ■ -4 ■ J1 -Z	67	
18.9 ... 189	139	15.88	2.6	-	-	2KJ8604-4LC	■ ■ -4 ■ H1 -Z	67	
21 ... 213	123	14.06	2.9	-	-	2KJ8604-4LC	■ ■ -4 ■ G1 -Z	67	
26 ... 256	102	11.7	3.2	-	-	2KJ8604-4LC	■ ■ -4 ■ F1 -Z	67	
27 ... 272	96	11.01	3.2	-	-	2KJ8604-4LC	■ ■ -4 ■ E1 -Z	67	

Article No. supplements		Order code		Order code
Motor temperature sensor	without with Pt1000	0 1		0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	0 1, 2 or 3		0 1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G		B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...		...+...

Innomatics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B -	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4		
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg	
3	C.69-LE112MA.								
	30 ... 304	86	9.87	3.1	-	-	2KJ8604-4LC	■ -4 ■ D1 -Z	67
	36 ... 357	73	8.4	3.1	-	-	2KJ8604-4LC	■ -4 ■ C1 -Z	67
	42 ... 417	62	7.2	3.2	-	-	2KJ8604-4LC	■ -4 ■ B1 -Z	67
	48 ... 484	54	6.2	3.2	-	-	2KJ8604-4LC	■ -4 ■ A1 -Z	67
	C.49-LE100LA.								
	11.2 ... 112	225	26.89	1.2	-	-	2KJ8603-2JB	■ -4 ■ P1 -Z	-
	12.5 ... 125	205	24	1.3	-	-	2KJ8603-2JB	■ -4 ■ N1 -Z	-
	14 ... 140	182	21.39	1.4	-	-	2KJ8603-2JB	■ -4 ■ M1 -Z	-
	15.2 ... 152	168	19.74	1.5	-	-	2KJ8603-2JB	■ -4 ■ L1 -Z	-
	17.4 ... 174	147	17.29	1.6	-	-	2KJ8603-2JB	■ -4 ■ K1 -Z	-
	19.8 ... 198	129	15.16	1.7	-	-	2KJ8603-2JB	■ -4 ■ J1 -Z	-
	22 ... 218	117	13.75	1.8	-	-	2KJ8603-2JB	■ -4 ■ H1 -Z	-
	23 ... 232	110	12.94	1.8	-	-	2KJ8603-2JB	■ -4 ■ G1 -Z	-
	26 ... 263	97	11.41	1.8	-	-	2KJ8603-2JB	■ -4 ■ F1 -Z	-
	30 ... 303	84	9.9	1.8	-	-	2KJ8603-2JB	■ -4 ■ E1 -Z	-
	33 ... 333	78	9	2.2	-	-	2KJ8603-2JB	■ -4 ■ D1 -Z	-
	35 ... 354	74	8.47	2.2	-	-	2KJ8603-2JB	■ -4 ■ C1 -Z	-
40 ... 402	65	7.47	2.2	-	-	2KJ8603-2JB	■ -4 ■ B1 -Z	-	
46 ... 463	56	6.48	2.2	-	-	2KJ8603-2JB	■ -4 ■ A1 -Z	-	
C.49-LE112MA.									
11.2 ... 112	225	26.89	1.2	-	-	2KJ8603-4LC	■ -4 ■ P1 -Z	58	
12.5 ... 125	205	24	1.3	-	-	2KJ8603-4LC	■ -4 ■ N1 -Z	58	
14 ... 140	182	21.39	1.4	-	-	2KJ8603-4LC	■ -4 ■ M1 -Z	58	
15.2 ... 152	168	19.74	1.5	-	-	2KJ8603-4LC	■ -4 ■ L1 -Z	58	
17.4 ... 174	147	17.29	1.6	-	-	2KJ8603-4LC	■ -4 ■ K1 -Z	58	
19.8 ... 198	129	15.16	1.7	-	-	2KJ8603-4LC	■ -4 ■ J1 -Z	58	
22 ... 218	117	13.75	1.8	-	-	2KJ8603-4LC	■ -4 ■ H1 -Z	58	
23 ... 232	110	12.94	1.8	-	-	2KJ8603-4LC	■ -4 ■ G1 -Z	58	
26 ... 263	97	11.41	1.8	-	-	2KJ8603-4LC	■ -4 ■ F1 -Z	58	
30 ... 303	84	9.9	1.8	-	-	2KJ8603-4LC	■ -4 ■ E1 -Z	58	
33 ... 333	78	9	2.2	-	-	2KJ8603-4LC	■ -4 ■ D1 -Z	58	
35 ... 354	74	8.47	2.2	-	-	2KJ8603-4LC	■ -4 ■ C1 -Z	58	
40 ... 402	65	7.47	2.2	-	-	2KJ8603-4LC	■ -4 ■ B1 -Z	58	
46 ... 463	56	6.48	2.2	-	-	2KJ8603-4LC	■ -4 ■ A1 -Z	58	
C.39A-LE100LA.									
17 ... 170	154	17.6	1.2	-	-	2KJ8642-2JB	■ -4 ■ K1 -Z	-	
19.1 ... 191	137	15.71	1.2	-	-	2KJ8642-2JB	■ -4 ■ J1 -Z	-	
21 ... 214	122	14	1.3	-	-	2KJ8642-2JB	■ -4 ■ H1 -Z	-	
23 ... 232	113	12.92	1.4	-	-	2KJ8642-2JB	■ -4 ■ G1 -Z	-	
27 ... 265	98	11.31	1.5	-	-	2KJ8642-2JB	■ -4 ■ F1 -Z	-	
30 ... 302	86	9.92	1.6	-	-	2KJ8642-2JB	■ -4 ■ E1 -Z	-	
33 ... 333	78	9	1.6	-	-	2KJ8642-2JB	■ -4 ■ D1 -Z	-	
35 ... 354	74	8.47	1.6	-	-	2KJ8642-2JB	■ -4 ■ C1 -Z	-	
40 ... 402	65	7.47	1.6	-	-	2KJ8642-2JB	■ -4 ■ B1 -Z	-	
46 ... 463	56	6.48	1.6	-	-	2KJ8642-2JB	■ -4 ■ A1 -Z	-	
4	C.89-LE112MB.								
	2.6 ... 26	1070	115.23	0.83	-	-	2KJ8605-4LH	■ -4 ■ B2 -Z	86
	3 ... 30	935	100.75	0.89	-	-	2KJ8605-4LH	■ -4 ■ A2 -Z	86
	3.5 ... 35	800	86.48	0.96	-	-	2KJ8605-4LH	■ -4 ■ X1 -Z	86
	3.9 ... 39	705	76.44	1	-	-	2KJ8605-4LH	■ -4 ■ W1 -Z	86
	4.6 ... 46	600	65	1.1	-	-	2KJ8605-4LH	■ -4 ■ V1 -Z	86
	5.4 ... 54	640	55.61	1.8	-	-	2KJ8605-4LH	■ -4 ■ U1 -Z	86
	6 ... 60	575	50	1.9	-	-	2KJ8605-4LH	■ -4 ■ T1 -Z	86
	6.6 ... 66	520	45.22	2.1	-	-	2KJ8605-4LH	■ -4 ■ S1 -Z	86
	7.2 ... 72	480	41.74	2.2	-	-	2KJ8605-4LH	■ -4 ■ R1 -Z	86
	7.8 ... 78	435	38.24	2.3	-	-	2KJ8605-4LH	■ -4 ■ Q1 -Z	86
	9.4 ... 94	365	32.08	2.6	-	-	2KJ8605-4LH	■ -4 ■ P1 -Z	86
	9.9 ... 99	345	30.2	2.7	-	-	2KJ8605-4LH	■ -4 ■ N1 -Z	86

Article No. supplements		Order code	Order code
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	1, 2 or 3	1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions see Chapter 4 „Additional Order options“		...+...	...+...

Helical worm geared motors

Selection and ordering data

Control range 1:10

Innomotics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm								
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3 Article No. (Article No. supplements see below)	m	Geared motors with synchronous reluctance motors IE4 Article No. (Article No. supplements see below)	m
kW	rpm	Nm	-	-		kg		kg
4	C.89-LE112MB.							
	10.8 ... 108	315	27.7	2.8	-	-	2KJ8605-4LH ■■■ -4 ■ M1 -Z	86
	C.89-LE100LB.							
	2.6 ... 26	1070	115.23	0.83	2KJ8605-2JG ■■■ -4 ■ B2 -Z	83	-	-
	3 ... 30	935	100.75	0.89	2KJ8605-2JG ■■■ -4 ■ A2 -Z	83	-	-
	3.5 ... 35	800	86.48	0.96	2KJ8605-2JG ■■■ -4 ■ X1 -Z	83	-	-
	3.9 ... 39	705	76.44	1	2KJ8605-2JG ■■■ -4 ■ W1 -Z	83	-	-
	4.6 ... 46	600	65	1.1	2KJ8605-2JG ■■■ -4 ■ V1 -Z	83	-	-
	5.4 ... 54	640	55.61	1.8	2KJ8605-2JG ■■■ -4 ■ U1 -Z	83	-	-
	6 ... 60	575	50	1.9	2KJ8605-2JG ■■■ -4 ■ T1 -Z	83	-	-
	6.6 ... 66	520	45.22	2.1	2KJ8605-2JG ■■■ -4 ■ S1 -Z	83	-	-
	7.2 ... 72	480	41.74	2.2	2KJ8605-2JG ■■■ -4 ■ R1 -Z	83	-	-
	7.8 ... 78	435	38.24	2.3	2KJ8605-2JG ■■■ -4 ■ Q1 -Z	83	-	-
	9.4 ... 94	365	32.08	2.6	2KJ8605-2JG ■■■ -4 ■ P1 -Z	83	-	-
	9.9 ... 99	345	30.2	2.7	2KJ8605-2JG ■■■ -4 ■ N1 -Z	83	-	-
	10.8 ... 108	315	27.7	2.8	2KJ8605-2JG ■■■ -4 ■ M1 -Z	83	-	-
C.69-LE100LB.								
5.9 ... 59	565	51.14	0.8	2KJ8604-2JG ■■■ -4 ■ S1 -Z	63	-	-	
6.7 ... 67	495	44.79	0.86	2KJ8604-2JG ■■■ -4 ■ R1 -Z	63	-	-	
7.3 ... 73	455	41.35	0.9	2KJ8604-2JG ■■■ -4 ■ Q1 -Z	63	-	-	
8.2 ... 82	405	36.61	0.96	2KJ8604-2JG ■■■ -4 ■ P1 -Z	63	-	-	
10 ... 100	340	30	1.2	2KJ8604-2JG ■■■ -4 ■ N1 -Z	63	-	-	
11.4 ... 114	300	26.28	1.3	2KJ8604-2JG ■■■ -4 ■ M1 -Z	63	-	-	
12.4 ... 124	275	24.26	1.4	2KJ8604-2JG ■■■ -4 ■ L1 -Z	63	-	-	
14 ... 140	245	21.48	1.5	2KJ8604-2JG ■■■ -4 ■ K1 -Z	63	-	-	
16.8 ... 168	205	17.88	1.7	2KJ8604-2JG ■■■ -4 ■ J1 -Z	63	-	-	
18.9 ... 189	186	15.88	1.9	2KJ8604-2JG ■■■ -4 ■ H1 -Z	63	-	-	
21 ... 213	164	14.06	2.2	2KJ8604-2JG ■■■ -4 ■ G1 -Z	63	-	-	
26 ... 256	137	11.7	2.4	2KJ8604-2JG ■■■ -4 ■ F1 -Z	63	-	-	
27 ... 272	128	11.01	2.4	2KJ8604-2JG ■■■ -4 ■ E1 -Z	63	-	-	
30 ... 304	115	9.87	2.3	2KJ8604-2JG ■■■ -4 ■ D1 -Z	63	-	-	
36 ... 357	98	8.4	2.4	2KJ8604-2JG ■■■ -4 ■ C1 -Z	63	-	-	
42 ... 417	83	7.2	2.4	2KJ8604-2JG ■■■ -4 ■ B1 -Z	63	-	-	
48 ... 484	72	6.2	2.4	2KJ8604-2JG ■■■ -4 ■ A1 -Z	63	-	-	
C.69-LE112MB.								
5.9 ... 59	565	51.14	0.8	-	-	2KJ8604-4LH ■■■ -4 ■ S1 -Z	67	
6.7 ... 67	495	44.79	0.86	-	-	2KJ8604-4LH ■■■ -4 ■ R1 -Z	67	
7.3 ... 73	455	41.35	0.9	-	-	2KJ8604-4LH ■■■ -4 ■ Q1 -Z	67	
8.2 ... 82	405	36.61	0.96	-	-	2KJ8604-4LH ■■■ -4 ■ P1 -Z	67	
10 ... 100	340	30	1.2	-	-	2KJ8604-4LH ■■■ -4 ■ N1 -Z	67	
11.4 ... 114	300	26.28	1.3	-	-	2KJ8604-4LH ■■■ -4 ■ M1 -Z	67	
12.4 ... 124	275	24.26	1.4	-	-	2KJ8604-4LH ■■■ -4 ■ L1 -Z	67	
14 ... 140	245	21.48	1.5	-	-	2KJ8604-4LH ■■■ -4 ■ K1 -Z	67	
16.8 ... 168	205	17.88	1.7	-	-	2KJ8604-4LH ■■■ -4 ■ J1 -Z	67	
18.9 ... 189	186	15.88	1.9	-	-	2KJ8604-4LH ■■■ -4 ■ H1 -Z	67	
21 ... 213	164	14.06	2.2	-	-	2KJ8604-4LH ■■■ -4 ■ G1 -Z	67	
26 ... 256	137	11.7	2.4	-	-	2KJ8604-4LH ■■■ -4 ■ F1 -Z	67	
27 ... 272	128	11.01	2.4	-	-	2KJ8604-4LH ■■■ -4 ■ E1 -Z	67	
30 ... 304	115	9.87	2.3	-	-	2KJ8604-4LH ■■■ -4 ■ D1 -Z	67	
36 ... 357	98	8.4	2.4	-	-	2KJ8604-4LH ■■■ -4 ■ C1 -Z	67	
42 ... 417	83	7.2	2.4	-	-	2KJ8604-4LH ■■■ -4 ■ B1 -Z	67	
48 ... 484	72	6.2	2.4	-	-	2KJ8604-4LH ■■■ -4 ■ A1 -Z	67	
C.49-LE100LB.								
11.2 ... 112	305	26.89	0.93	2KJ8603-2JG ■■■ -4 ■ P1 -Z	54	-	-	
12.5 ... 125	270	24	0.99	2KJ8603-2JG ■■■ -4 ■ N1 -Z	54	-	-	
14 ... 140	240	21.39	1	2KJ8603-2JG ■■■ -4 ■ M1 -Z	54	-	-	
15.2 ... 152	220	19.74	1.1	2KJ8603-2JG ■■■ -4 ■ L1 -Z	54	-	-	
17.4 ... 174	196	17.29	1.2	2KJ8603-2JG ■■■ -4 ■ K1 -Z	54	-	-	
19.8 ... 198	172	15.16	1.3	2KJ8603-2JG ■■■ -4 ■ J1 -Z	54	-	-	

Article No. supplements		Order code	
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	1, 2 or 3	1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...	...+...

Innomotics SG G115D · Control range 1:10 / Motor speed range 300 ... 3000 rpm										
P _N	n ₂	T ₂	i	f _B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
					Article No.	m		Article No.	m	
kW	rpm	Nm	-	-	(Article No. supplements see below)	kg		(Article No. supplements see below)	kg	
4	C.49-LE100LB.									
	22 ... 218	156	13.75	1.3	2KJ8603-2JG ■ ■ -4 ■ H1 -Z	54	-		-	
	23 ... 232	147	12.94	1.3	2KJ8603-2JG ■ ■ -4 ■ G1 -Z	54	-		-	
	26 ... 263	129	11.41	1.3	2KJ8603-2JG ■ ■ -4 ■ F1 -Z	54	-		-	
	30 ... 303	112	9.9	1.3	2KJ8603-2JG ■ ■ -4 ■ E1 -Z	54	-		-	
	33 ... 333	104	9	1.6	2KJ8603-2JG ■ ■ -4 ■ D1 -Z	54	-		-	
	35 ... 354	98	8.47	1.6	2KJ8603-2JG ■ ■ -4 ■ C1 -Z	54	-		-	
	40 ... 402	86	7.47	1.7	2KJ8603-2JG ■ ■ -4 ■ B1 -Z	54	-		-	
	46 ... 463	75	6.48	1.7	2KJ8603-2JG ■ ■ -4 ■ A1 -Z	54	-		-	
	C.49-LE112MB.									
	11.2 ... 112	305	26.89	0.93	-	-	-	2KJ8603-4LH ■ ■ -4 ■ P1 -Z	58	
	12.5 ... 125	270	24	0.99	-	-	-	2KJ8603-4LH ■ ■ -4 ■ N1 -Z	58	
	14 ... 140	240	21.39	1	-	-	-	2KJ8603-4LH ■ ■ -4 ■ M1 -Z	58	
	15.2 ... 152	220	19.74	1.1	-	-	-	2KJ8603-4LH ■ ■ -4 ■ L1 -Z	58	
	17.4 ... 174	196	17.29	1.2	-	-	-	2KJ8603-4LH ■ ■ -4 ■ K1 -Z	58	
	19.8 ... 198	172	15.16	1.3	-	-	-	2KJ8603-4LH ■ ■ -4 ■ J1 -Z	58	
	22 ... 218	156	13.75	1.3	-	-	-	2KJ8603-4LH ■ ■ -4 ■ H1 -Z	58	
	23 ... 232	147	12.94	1.3	-	-	-	2KJ8603-4LH ■ ■ -4 ■ G1 -Z	58	
	26 ... 263	129	11.41	1.3	-	-	-	2KJ8603-4LH ■ ■ -4 ■ F1 -Z	58	
	30 ... 303	112	9.9	1.3	-	-	-	2KJ8603-4LH ■ ■ -4 ■ E1 -Z	58	
	33 ... 333	104	9	1.6	-	-	-	2KJ8603-4LH ■ ■ -4 ■ D1 -Z	58	
	C.49-LE112MB.									
	35 ... 354	98	8.47	1.6	-	-	-	2KJ8603-4LH ■ ■ -4 ■ C1 -Z	58	
	40 ... 402	86	7.47	1.7	-	-	-	2KJ8603-4LH ■ ■ -4 ■ B1 -Z	58	
	46 ... 463	75	6.48	1.7	-	-	-	2KJ8603-4LH ■ ■ -4 ■ A1 -Z	58	
	C.39A-LE100LB.									
	17 ... 170	205	17.6	0.87	2KJ8642-2JG ■ ■ -4 ■ K1 -Z	46	-		-	
	19.1 ... 191	182	15.71	0.93	2KJ8642-2JG ■ ■ -4 ■ J1 -Z	46	-		-	
	21 ... 214	163	14	1	2KJ8642-2JG ■ ■ -4 ■ H1 -Z	46	-		-	
	23 ... 232	150	12.92	1	2KJ8642-2JG ■ ■ -4 ■ G1 -Z	46	-		-	
	27 ... 265	131	11.31	1.1	2KJ8642-2JG ■ ■ -4 ■ F1 -Z	46	-		-	
	30 ... 302	115	9.92	1.2	2KJ8642-2JG ■ ■ -4 ■ E1 -Z	46	-		-	
	33 ... 333	104	9	1.2	2KJ8642-2JG ■ ■ -4 ■ D1 -Z	46	-		-	
	35 ... 354	98	8.47	1.2	2KJ8642-2JG ■ ■ -4 ■ C1 -Z	46	-		-	
	40 ... 402	86	7.47	1.2	2KJ8642-2JG ■ ■ -4 ■ B1 -Z	46	-		-	
Article No. supplements							Order code		Order code	
Motor temperature sensor	without		0					0		
	with Pt1000		1					1		
Motor brake	without		0					0		
(brake voltage 180 V DC)	with see Seite 5/2		1, 2 or 3					1, 2 or 3		
Converter fieldbus communication	see Seite 5/2		B, C, D, E, F or G					B, C, D, E, F or G		
Special versions	see Chapter 4 „Additional Order options“		...+...					...+...		

Helical worm geared motors

Selection and ordering data

Control range 1:8.7

Innomotics SG G115D · Control range 1:8.7 / Motor speed range 300 ... 2610 rpm

P _N	n ₂	T ₂	i	f _B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4		
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg	
kW	rpm	Nm	-	-					
0.64	C.89-LE71MB.								
	0.83 ... 7.2	620	363	2.2	2KJ8605-2CG	■ ■ -5 ■ N2 -Z	56	-	-
	0.91 ... 7.9	565	329.73	2.4	2KJ8605-2CG	■ ■ -5 ■ M2 -Z	56	-	-
	1 ... 8.8	505	295.75	2.7	2KJ8605-2CG	■ ■ -5 ■ L2 -Z	56	-	-
	1.1 ... 9.8	455	265.91	2.9	2KJ8605-2CG	■ ■ -5 ■ K2 -Z	56	-	-
	C.69-LE71MB.								
	0.83 ... 7.2	615	360	1.1	2KJ8604-2CG	■ ■ -5 ■ M2 -Z	36	-	-
	0.94 ... 8.2	550	319.8	1.2	2KJ8604-2CG	■ ■ -5 ■ L2 -Z	36	-	-
	1.1 ... 9.3	480	280.8	1.4	2KJ8604-2CG	■ ■ -5 ■ K2 -Z	36	-	-
	1.2 ... 10.2	440	255.27	1.5	2KJ8604-2CG	■ ■ -5 ■ J2 -Z	36	-	-
	1.4 ... 12	375	218.4	1.6	2KJ8604-2CG	■ ■ -5 ■ H2 -Z	36	-	-
	1.5 ... 13.1	340	198.55	1.7	2KJ8604-2CG	■ ■ -5 ■ G2 -Z	36	-	-
	1.7 ... 14.9	300	175.5	1.8	2KJ8604-2CG	■ ■ -5 ■ F2 -Z	36	-	-
	1.9 ... 16.4	275	159.55	1.9	2KJ8604-2CG	■ ■ -5 ■ E2 -Z	36	-	-
	2.1 ... 18.7	240	139.75	2	2KJ8604-2CG	■ ■ -5 ■ D2 -Z	36	-	-
2.3 ... 20	220	129	2.1	2KJ8604-2CG	■ ■ -5 ■ C2 -Z	36	-	-	
2.6 ... 23	197	114.21	2.2	2KJ8604-2CG	■ ■ -5 ■ B2 -Z	36	-	-	
2.9 ... 25	205	102.5	2.9	2KJ8604-2CG	■ ■ -5 ■ A2 -Z	36	-	-	
C.49-LE71MB.									
1.3 ... 11.3	395	230.1	0.89	2KJ8603-2CG	■ ■ -5 ■ L2 -Z	27	-	-	
1.4 ... 12.5	360	209.18	0.98	2KJ8603-2CG	■ ■ -5 ■ K2 -Z	27	-	-	
1.7 ... 14.5	310	179.4	1.1	2KJ8603-2CG	■ ■ -5 ■ J2 -Z	27	-	-	
1.8 ... 16	280	163.09	1.3	2KJ8603-2CG	■ ■ -5 ■ H2 -Z	27	-	-	
2.1 ... 18.3	245	143	1.4	2KJ8603-2CG	■ ■ -5 ■ G2 -Z	27	-	-	
2.4 ... 20	220	127.64	1.5	2KJ8603-2CG	■ ■ -5 ■ F2 -Z	27	-	-	
2.6 ... 23	196	113.75	1.6	2KJ8603-2CG	■ ■ -5 ■ E2 -Z	27	-	-	
2.9 ... 25	181	105	1.7	2KJ8603-2CG	■ ■ -5 ■ D2 -Z	27	-	-	
3.3 ... 28	158	91.93	1.8	2KJ8603-2CG	■ ■ -5 ■ C2 -Z	27	-	-	
3.7 ... 32	138	80.6	1.9	2KJ8603-2CG	■ ■ -5 ■ B2 -Z	27	-	-	
4.1 ... 36	125	73.12	2	2KJ8603-2CG	■ ■ -5 ■ A2 -Z	27	-	-	
4.4 ... 38	118	68.82	2.1	2KJ8603-2CG	■ ■ -5 ■ X1 -Z	27	-	-	
4.9 ... 43	104	60.67	2.3	2KJ8603-2CG	■ ■ -5 ■ W1 -Z	27	-	-	
5.7 ... 50	90	52.65	2.4	2KJ8603-2CG	■ ■ -5 ■ V1 -Z	27	-	-	
6 ... 52	105	49.87	3.1	2KJ8603-2CG	■ ■ -5 ■ U1 -Z	27	-	-	
C.39A-LE71MB.									
2.1 ... 18.3	240	143	0.8	2KJ8642-2CG	■ ■ -5 ■ G2 -Z	21	-	-	
2.4 ... 20	215	127.64	0.89	2KJ8642-2CG	■ ■ -5 ■ F2 -Z	21	-	-	
2.6 ... 23	194	113.75	1	2KJ8642-2CG	■ ■ -5 ■ E2 -Z	21	-	-	
2.9 ... 25	179	105	1.1	2KJ8642-2CG	■ ■ -5 ■ D2 -Z	21	-	-	
3.3 ... 28	156	91.93	1.2	2KJ8642-2CG	■ ■ -5 ■ C2 -Z	21	-	-	
3.7 ... 32	137	80.6	1.3	2KJ8642-2CG	■ ■ -5 ■ B2 -Z	21	-	-	
4.1 ... 36	124	73.12	1.3	2KJ8642-2CG	■ ■ -5 ■ A2 -Z	21	-	-	
4.4 ... 38	117	68.82	1.4	2KJ8642-2CG	■ ■ -5 ■ X1 -Z	21	-	-	
4.9 ... 43	103	60.67	1.5	2KJ8642-2CG	■ ■ -5 ■ W1 -Z	21	-	-	
5.7 ... 50	89	52.65	1.6	2KJ8642-2CG	■ ■ -5 ■ V1 -Z	21	-	-	
6 ... 52	104	49.87	1.9	2KJ8642-2CG	■ ■ -5 ■ U1 -Z	21	-	-	
6.9 ... 60	90	43.27	2.2	2KJ8642-2CG	■ ■ -5 ■ T1 -Z	21	-	-	
7.6 ... 66	82	39.33	2.5	2KJ8642-2CG	■ ■ -5 ■ S1 -Z	21	-	-	
8.9 ... 77	70	33.73	2.9	2KJ8642-2CG	■ ■ -5 ■ R1 -Z	21	-	-	
9.2 ... 80	70	32.64	3	2KJ8642-2CG	■ ■ -5 ■ Q1 -Z	21	-	-	
C.29-LE71MB.									
4.1 ... 36	130	73.12	0.85	2KJ8601-2CG	■ ■ -5 ■ A2 -Z	16	-	-	
4.4 ... 38	122	68.82	0.9	2KJ8601-2CG	■ ■ -5 ■ X1 -Z	16	-	-	
4.9 ... 43	107	60.67	1	2KJ8601-2CG	■ ■ -5 ■ W1 -Z	16	-	-	
5.7 ... 50	93	52.65	1.1	2KJ8601-2CG	■ ■ -5 ■ V1 -Z	16	-	-	
6 ... 52	105	49.87	1	2KJ8601-2CG	■ ■ -5 ■ U1 -Z	16	-	-	
6.9 ... 60	91	43.27	1.2	2KJ8601-2CG	■ ■ -5 ■ T1 -Z	16	-	-	
7.6 ... 66	83	39.33	1.3	2KJ8601-2CG	■ ■ -5 ■ S1 -Z	16	-	-	
8.9 ... 77	71	33.73	1.5	2KJ8601-2CG	■ ■ -5 ■ R1 -Z	16	-	-	

Article No. supplements

Motor temperature sensor

without
with Pt1000

0
1

Motor brake

(brake voltage 180 V DC)

without
with see Seite 5/2

0

1, 2 or 3
B, C, D, E, F or G

Converter fieldbus communication see Seite 5/2

Special versions see Chapter 4 „Additional Order options“

Order code

0
1

1, 2 or 3
B, C, D, E, F or G

Order code

...+...

Innomotics SG G115D · Control range 1:8.7 / Motor speed range 300 ... 2610 rpm

P _N	n ₂	T ₂	i	f _B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
					Article No.	m		Article No.	m	
kW	rpm	Nm	-	-	(Article No. supplements see below)	kg		(Article No. supplements see below)	kg	
0.64	C.29-LE71MB.									
9.2 ... 80	70	32.64	1.3		2KJ8601-2CG	16				
10.6 ... 92	61	28.32	1.5		2KJ8601-2CG	16				
11.7 ... 101	55	25.75	1.7		2KJ8601-2CG	16				
13.6 ... 118	47	22.08	2		2KJ8601-2CG	16				
14.9 ... 130	43	20.07	2.2		2KJ8601-2CG	16				
17 ... 148	38	17.6	2.5		2KJ8601-2CG	16				
19.1 ... 166	34	15.71	2.8		2KJ8601-2CG	16				
21 ... 186	30	14	3.1		2KJ8601-2CG	16				
23 ... 202	28	12.92	3.3		2KJ8601-2CG	16				
27 ... 231	24	11.31	3.5		2KJ8601-2CG	16				
30 ... 263	21	9.92	3.7		2KJ8601-2CG	16				
33 ... 290	19	9	3.9		2KJ8601-2CG	16				
0.95	C.89-LE80MA.									
0.83 ... 7.2	925	363	1.5		2KJ8605-2EB	60		2KJ8605-4EC	60	
0.91 ... 7.9	840	329.73	1.6		2KJ8605-2EB	60		2KJ8605-4EC	60	
1 ... 8.8	750	295.75	1.8		2KJ8605-2EB	60		2KJ8605-4EC	60	
1.1 ... 9.8	675	265.91	2		2KJ8605-2EB	60		2KJ8605-4EC	60	
1.2 ... 10.9	610	240.5	2.1		2KJ8605-2EB	60		2KJ8605-4EC	60	
1.4 ... 11.8	565	222	2.2		2KJ8605-2EB	60		2KJ8605-4EC	60	
1.5 ... 12.8	515	203.36	2.3		2KJ8605-2EB	60		2KJ8605-4EC	60	
1.8 ... 15.3	430	170.62	2.6		2KJ8605-2EB	60		2KJ8605-4EC	60	
1.9 ... 16.3	405	160.59	2.7		2KJ8605-2EB	60		2KJ8605-4EC	60	
2 ... 17.7	375	147.33	2.8		2KJ8605-2EB	60		2KJ8605-4EC	60	
2.3 ... 20	325	128.7	3		2KJ8605-2EB	60		2KJ8605-4EC	60	
	C.69-LE80MA.									
0.94 ... 8.2	815	319.8	0.81		2KJ8604-2EB	41		2KJ8604-4EC	41	
1.1 ... 9.3	715	280.8	0.91		2KJ8604-2EB	41		2KJ8604-4EC	41	
1.2 ... 10.2	650	255.27	0.99		2KJ8604-2EB	41		2KJ8604-4EC	41	
1.4 ... 12	560	218.4	1.1		2KJ8604-2EB	41		2KJ8604-4EC	41	
1.5 ... 13.1	510	198.55	1.1		2KJ8604-2EB	41		2KJ8604-4EC	41	
1.7 ... 14.9	450	175.5	1.2		2KJ8604-2EB	41		2KJ8604-4EC	41	
1.9 ... 16.4	405	159.55	1.3		2KJ8604-2EB	41		2KJ8604-4EC	41	
2.1 ... 18.7	355	139.75	1.4		2KJ8604-2EB	41		2KJ8604-4EC	41	
2.3 ... 20	330	129	1.4		2KJ8604-2EB	41		2KJ8604-4EC	41	
2.6 ... 23	290	114.21	1.5		2KJ8604-2EB	41		2KJ8604-4EC	41	
2.9 ... 25	310	102.5	1.9		2KJ8604-2EB	41		2KJ8604-4EC	41	
3.3 ... 29	270	90	2.2		2KJ8604-2EB	41		2KJ8604-4EC	41	
3.7 ... 32	245	81.82	2.3		2KJ8604-2EB	41		2KJ8604-4EC	41	
4.3 ... 37	210	70	2.6		2KJ8604-2EB	41		2KJ8604-4EC	41	
4.7 ... 41	193	63.64	2.7		2KJ8604-2EB	41		2KJ8604-4EC	41	
5.3 ... 46	170	56.25	2.9		2KJ8604-2EB	41		2KJ8604-4EC	41	
5.9 ... 51	155	51.14	3.1		2KJ8604-2EB	41		2KJ8604-4EC	41	
6.7 ... 58	135	44.79	3.3		2KJ8604-2EB	41		2KJ8604-4EC	41	
	C.49-LE80MA.									
1.8 ... 16	420	163.09	0.85		2KJ8603-2EB	32		2KJ8603-4EC	32	
2.1 ... 18.3	365	143	0.97		2KJ8603-2EB	32		2KJ8603-4EC	32	
2.4 ... 20	325	127.64	1		2KJ8603-2EB	32		2KJ8603-4EC	32	
2.6 ... 23	290	113.75	1.1		2KJ8603-2EB	32		2KJ8603-4EC	32	
2.9 ... 25	265	105	1.2		2KJ8603-2EB	32		2KJ8603-4EC	32	
3.3 ... 28	235	91.93	1.2		2KJ8603-2EB	32		2KJ8603-4EC	32	
3.7 ... 32	205	80.6	1.3		2KJ8603-2EB	32		2KJ8603-4EC	32	
4.1 ... 36	186	73.12	1.4		2KJ8603-2EB	32		2KJ8603-4EC	32	
4.4 ... 38	175	68.82	1.4		2KJ8603-2EB	32		2KJ8603-4EC	32	
4.9 ... 43	155	60.67	1.5		2KJ8603-2EB	32		2KJ8603-4EC	32	
5.7 ... 50	134	52.65	1.6		2KJ8603-2EB	32		2KJ8603-4EC	32	
6 ... 52	155	49.87	2.1		2KJ8603-2EB	32		2KJ8603-4EC	32	
6.9 ... 60	135	43.27	2.6		2KJ8603-2EB	32		2KJ8603-4EC	32	
7.6 ... 66	122	39.33	2.9		2KJ8603-2EB	32		2KJ8603-4EC	32	

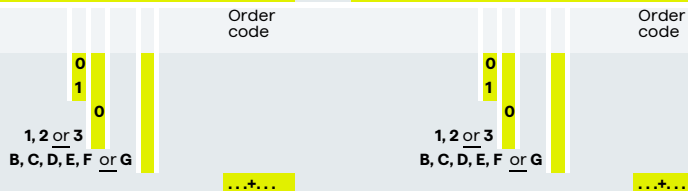
Article No. supplements

Motor temperature sensor without
with Pt1000

Motor brake without
(brake voltage 180 V DC) with see Seite 5/2

Converter fieldbus communication see Seite 5/2

Special versions see Chapter 4 „Additional Order options“



Helical worm geared motors

Selection and ordering data

Control range 1:8.7

Innomotics SG G115D · Control range 1:8.7 / Motor speed range 300 ... 2610 rpm										
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	Article No.	m
					(Article No. supplements see below)	kg	(Article No. supplements see below)	kg	(Article No. supplements see below)	kg
0.95										
C.49-LE80MA.										
8.9 ... 77	105	33.73	3.1		2KJ8603-2EB ■ ■ -5 ■ R1 -Z	32	2KJ8603-4EC ■ ■ -5 ■ R1 -Z	32		
9.8 ... 85	95	30.67	3.3		2KJ8603-2EB ■ ■ -5 ■ Q1 -Z	32	2KJ8603-4EC ■ ■ -5 ■ Q1 -Z	32		
11.2 ... 97	84	26.89	3.5		2KJ8603-2EB ■ ■ -5 ■ P1 -Z	32	2KJ8603-4EC ■ ■ -5 ■ P1 -Z	32		
C.39A-LE80MA.										
3.3 ... 28	230	91.93	0.8		2KJ8642-2EB ■ ■ -5 ■ C2 -Z	26	2KJ8642-4EC ■ ■ -5 ■ C2 -Z	26		
3.7 ... 32	200	80.6	0.86		2KJ8642-2EB ■ ■ -5 ■ B2 -Z	26	2KJ8642-4EC ■ ■ -5 ■ B2 -Z	26		
4.1 ... 36	184	73.12	0.9		2KJ8642-2EB ■ ■ -5 ■ A2 -Z	26	2KJ8642-4EC ■ ■ -5 ■ A2 -Z	26		
4.4 ... 38	173	68.82	0.92		2KJ8642-2EB ■ ■ -5 ■ X1 -Z	26	2KJ8642-4EC ■ ■ -5 ■ X1 -Z	26		
4.9 ... 43	152	60.67	0.98		2KJ8642-2EB ■ ■ -5 ■ W1 -Z	26	2KJ8642-4EC ■ ■ -5 ■ W1 -Z	26		
5.7 ... 50	132	52.65	1.1		2KJ8642-2EB ■ ■ -5 ■ V1 -Z	26	2KJ8642-4EC ■ ■ -5 ■ V1 -Z	26		
6 ... 52	154	49.87	1.3		2KJ8642-2EB ■ ■ -5 ■ U1 -Z	26	2KJ8642-4EC ■ ■ -5 ■ U1 -Z	26		
6.9 ... 60	133	43.27	1.5		2KJ8642-2EB ■ ■ -5 ■ T1 -Z	26	2KJ8642-4EC ■ ■ -5 ■ T1 -Z	26		
7.6 ... 66	121	39.33	1.7		2KJ8642-2EB ■ ■ -5 ■ S1 -Z	26	2KJ8642-4EC ■ ■ -5 ■ S1 -Z	26		
8.9 ... 77	104	33.73	2		2KJ8642-2EB ■ ■ -5 ■ R1 -Z	26	2KJ8642-4EC ■ ■ -5 ■ R1 -Z	26		
9.2 ... 80	104	32.64	2		2KJ8642-2EB ■ ■ -5 ■ Q1 -Z	26	2KJ8642-4EC ■ ■ -5 ■ Q1 -Z	26		
10.6 ... 92	90	28.32	2.3		2KJ8642-2EB ■ ■ -5 ■ P1 -Z	26	2KJ8642-4EC ■ ■ -5 ■ P1 -Z	26		
11.7 ... 101	82	25.75	2.6		2KJ8642-2EB ■ ■ -5 ■ N1 -Z	26	2KJ8642-4EC ■ ■ -5 ■ N1 -Z	26		
13.6 ... 118	70	22.08	2.9		2KJ8642-2EB ■ ■ -5 ■ M1 -Z	26	2KJ8642-4EC ■ ■ -5 ■ M1 -Z	26		
14.9 ... 130	64	20.07	3.1		2KJ8642-2EB ■ ■ -5 ■ L1 -Z	26	2KJ8642-4EC ■ ■ -5 ■ L1 -Z	26		
17 ... 148	56	17.6	3.3		2KJ8642-2EB ■ ■ -5 ■ K1 -Z	26	2KJ8642-4EC ■ ■ -5 ■ K1 -Z	26		
19.1 ... 166	50	15.71	3.6		2KJ8642-2EB ■ ■ -5 ■ J1 -Z	26	2KJ8642-4EC ■ ■ -5 ■ J1 -Z	26		
C.29-LE80MA.										
7.6 ... 66	123	39.33	0.86		2KJ8601-2EB ■ ■ -5 ■ S1 -Z	20	2KJ8601-4EC ■ ■ -5 ■ S1 -Z	20		
8.9 ... 77	106	33.73	1		2KJ8601-2EB ■ ■ -5 ■ R1 -Z	20	2KJ8601-4EC ■ ■ -5 ■ R1 -Z	20		
9.2 ... 80	104	32.64	0.89		2KJ8601-2EB ■ ■ -5 ■ Q1 -Z	20	2KJ8601-4EC ■ ■ -5 ■ Q1 -Z	20		
10.6 ... 92	90	28.32	1		2KJ8601-2EB ■ ■ -5 ■ P1 -Z	20	2KJ8601-4EC ■ ■ -5 ■ P1 -Z	20		
11.7 ... 101	82	25.75	1.1		2KJ8601-2EB ■ ■ -5 ■ N1 -Z	20	2KJ8601-4EC ■ ■ -5 ■ N1 -Z	20		
13.6 ... 118	70	22.08	1.3		2KJ8601-2EB ■ ■ -5 ■ M1 -Z	20	2KJ8601-4EC ■ ■ -5 ■ M1 -Z	20		
14.9 ... 130	64	20.07	1.5		2KJ8601-2EB ■ ■ -5 ■ L1 -Z	20	2KJ8601-4EC ■ ■ -5 ■ L1 -Z	20		
17 ... 148	56	17.6	1.7		2KJ8601-2EB ■ ■ -5 ■ K1 -Z	20	2KJ8601-4EC ■ ■ -5 ■ K1 -Z	20		
19.1 ... 166	50	15.71	1.9		2KJ8601-2EB ■ ■ -5 ■ J1 -Z	20	2KJ8601-4EC ■ ■ -5 ■ J1 -Z	20		
21 ... 186	45	14	2.1		2KJ8601-2EB ■ ■ -5 ■ H1 -Z	20	2KJ8601-4EC ■ ■ -5 ■ H1 -Z	20		
23 ... 202	41	12.92	2.2		2KJ8601-2EB ■ ■ -5 ■ G1 -Z	20	2KJ8601-4EC ■ ■ -5 ■ G1 -Z	20		
27 ... 231	36	11.31	2.3		2KJ8601-2EB ■ ■ -5 ■ F1 -Z	20	2KJ8601-4EC ■ ■ -5 ■ F1 -Z	20		
30 ... 263	32	9.92	2.5		2KJ8601-2EB ■ ■ -5 ■ E1 -Z	20	2KJ8601-4EC ■ ■ -5 ■ E1 -Z	20		
33 ... 290	29	9	2.6		2KJ8601-2EB ■ ■ -5 ■ D1 -Z	20	2KJ8601-4EC ■ ■ -5 ■ D1 -Z	20		
35 ... 308	27	8.47	2.7		2KJ8601-2EB ■ ■ -5 ■ C1 -Z	20	2KJ8601-4EC ■ ■ -5 ■ C1 -Z	20		
40 ... 349	24	7.47	2.9		2KJ8601-2EB ■ ■ -5 ■ B1 -Z	20	2KJ8601-4EC ■ ■ -5 ■ B1 -Z	20		
46 ... 403	21	6.48	3.2		2KJ8601-2EB ■ ■ -5 ■ A1 -Z	20	2KJ8601-4EC ■ ■ -5 ■ A1 -Z	20		
1.3										
C.89-LE80MB.										
0.83 ... 7.2	1260	363	1.1		2KJ8605-2EG ■ ■ -5 ■ N2 -Z	59	2KJ8605-4EH ■ ■ -5 ■ N2 -Z	62		
0.91 ... 7.9	1140	329.73	1.2		2KJ8605-2EG ■ ■ -5 ■ M2 -Z	59	2KJ8605-4EH ■ ■ -5 ■ M2 -Z	62		
1 ... 8.8	1020	295.75	1.3		2KJ8605-2EG ■ ■ -5 ■ L2 -Z	59	2KJ8605-4EH ■ ■ -5 ■ L2 -Z	62		
1.1 ... 9.8	925	265.91	1.4		2KJ8605-2EG ■ ■ -5 ■ K2 -Z	59	2KJ8605-4EH ■ ■ -5 ■ K2 -Z	62		
1.2 ... 10.9	835	240.5	1.6		2KJ8605-2EG ■ ■ -5 ■ J2 -Z	59	2KJ8605-4EH ■ ■ -5 ■ J2 -Z	62		
1.4 ... 11.8	770	222	1.6		2KJ8605-2EG ■ ■ -5 ■ H2 -Z	59	2KJ8605-4EH ■ ■ -5 ■ H2 -Z	62		
1.5 ... 12.8	705	203.36	1.7		2KJ8605-2EG ■ ■ -5 ■ G2 -Z	59	2KJ8605-4EH ■ ■ -5 ■ G2 -Z	62		
1.8 ... 15.3	590	170.62	1.9		2KJ8605-2EG ■ ■ -5 ■ F2 -Z	59	2KJ8605-4EH ■ ■ -5 ■ F2 -Z	62		
1.9 ... 16.3	555	160.59	2		2KJ8605-2EG ■ ■ -5 ■ E2 -Z	59	2KJ8605-4EH ■ ■ -5 ■ E2 -Z	62		
2 ... 17.7	510	147.33	2		2KJ8605-2EG ■ ■ -5 ■ D2 -Z	59	2KJ8605-4EH ■ ■ -5 ■ D2 -Z	62		
2.3 ... 20	445	128.7	2.2		2KJ8605-2EG ■ ■ -5 ■ C2 -Z	59	2KJ8605-4EH ■ ■ -5 ■ C2 -Z	62		
2.6 ... 23	400	115.23	2.3		2KJ8605-2EG ■ ■ -5 ■ B2 -Z	59	2KJ8605-4EH ■ ■ -5 ■ B2 -Z	62		
3 ... 26	350	100.75	2.5		2KJ8605-2EG ■ ■ -5 ■ A2 -Z	59	2KJ8605-4EH ■ ■ -5 ■ A2 -Z	62		
3.5 ... 30	300	86.48	2.7		2KJ8605-2EG ■ ■ -5 ■ X1 -Z	59	2KJ8605-4EH ■ ■ -5 ■ X1 -Z	62		
3.9 ... 34	265	76.44	2.9		2KJ8605-2EG ■ ■ -5 ■ W1 -Z	59	2KJ8605-4EH ■ ■ -5 ■ W1 -Z	62		
C.69-LE80MB.										
1.5 ... 13.1	695	198.55	0.84		2KJ8604-2EG ■ ■ -5 ■ G2 -Z	40	2KJ8604-4EH ■ ■ -5 ■ G2 -Z	43		
1.7 ... 14.9	615	175.5	0.89		2KJ8604-2EG ■ ■ -5 ■ F2 -Z	40	2KJ8604-4EH ■ ■ -5 ■ F2 -Z	43		

Article No. supplements			Order code		Order code		
Motor temperature sensor	without with Pt1000	0 1	1, 2 or 3 B, C, D, E, F or G	...	1, 2 or 3 B, C, D, E, F or G	...	...
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	0 1					
Converter fieldbus communication	see Seite 5/2	0 1					
Special versions see Chapter 4 „Additional Order options“				...		...

Innomotics SG G115D · Control range 1:8.7 / Motor speed range 300 ... 2610 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B -	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
1.3	C.69-LE80MB.							
	1.9 ... 16.4	560	159.55	0.95	2KJ8604-2EG	40	2KJ8604-4EH	43
	2.1 ... 18.7	490	139.75	0.99	2KJ8604-2EG	40	2KJ8604-4EH	43
	2.3 ... 20	450	129	1	2KJ8604-2EG	40	2KJ8604-4EH	43
	2.6 ... 23	400	114.21	1.1	2KJ8604-2EG	40	2KJ8604-4EH	43
	2.9 ... 25	425	102.5	1.4	2KJ8604-2EG	40	2KJ8604-4EH	43
	3.3 ... 29	370	90	1.6	2KJ8604-2EG	40	2KJ8604-4EH	43
	3.7 ... 32	335	81.82	1.7	2KJ8604-2EG	40	2KJ8604-4EH	43
	4.3 ... 37	290	70	1.9	2KJ8604-2EG	40	2KJ8604-4EH	43
	4.7 ... 41	260	63.64	2	2KJ8604-2EG	40	2KJ8604-4EH	43
	5.3 ... 46	230	56.25	2.1	2KJ8604-2EG	40	2KJ8604-4EH	43
	5.9 ... 51	210	51.14	2.2	2KJ8604-2EG	40	2KJ8604-4EH	43
	6.7 ... 58	185	44.79	2.4	2KJ8604-2EG	40	2KJ8604-4EH	43
	7.3 ... 63	171	41.35	2.5	2KJ8604-2EG	40	2KJ8604-4EH	43
	8.2 ... 71	152	36.61	2.7	2KJ8604-2EG	40	2KJ8604-4EH	43
	C.49-LE80MB.							
	2.6 ... 23	395	113.75	0.8	2KJ8603-2EG	31	2KJ8603-4EH	34
	2.9 ... 25	365	105	0.84	2KJ8603-2EG	31	2KJ8603-4EH	34
	3.3 ... 28	320	91.93	0.9	2KJ8603-2EG	31	2KJ8603-4EH	34
	3.7 ... 32	280	80.6	0.96	2KJ8603-2EG	31	2KJ8603-4EH	34
	4.1 ... 36	255	73.12	1	2KJ8603-2EG	31	2KJ8603-4EH	34
	4.4 ... 38	240	68.82	1	2KJ8603-2EG	31	2KJ8603-4EH	34
	4.9 ... 43	210	60.67	1.1	2KJ8603-2EG	31	2KJ8603-4EH	34
	5.7 ... 50	183	52.65	1.2	2KJ8603-2EG	31	2KJ8603-4EH	34
	6 ... 52	210	49.87	1.5	2KJ8603-2EG	31	2KJ8603-4EH	34
	6.9 ... 60	184	43.27	1.9	2KJ8603-2EG	31	2KJ8603-4EH	34
	7.6 ... 66	167	39.33	2.1	2KJ8603-2EG	31	2KJ8603-4EH	34
	8.9 ... 77	144	33.73	2.3	2KJ8603-2EG	31	2KJ8603-4EH	34
	9.8 ... 85	130	30.67	2.4	2KJ8603-2EG	31	2KJ8603-4EH	34
	11.2 ... 97	114	26.89	2.6	2KJ8603-2EG	31	2KJ8603-4EH	34
	12.5 ... 109	102	24	2.8	2KJ8603-2EG	31	2KJ8603-4EH	34
	14 ... 122	91	21.39	3	2KJ8603-2EG	31	2KJ8603-4EH	34
	15.2 ... 132	84	19.74	3.1	2KJ8603-2EG	31	2KJ8603-4EH	34
	17.4 ... 151	73	17.29	3.3	2KJ8603-2EG	31	2KJ8603-4EH	34
	19.8 ... 172	64	15.16	3.6	2KJ8603-2EG	31	2KJ8603-4EH	34
	C.39A-LE80MB.							
6 ... 52	210	49.87	0.95	2KJ8642-2EG	25	2KJ8642-4EH	28	
6.9 ... 60	183	43.27	1.1	2KJ8642-2EG	25	2KJ8642-4EH	28	
7.6 ... 66	166	39.33	1.2	2KJ8642-2EG	25	2KJ8642-4EH	28	
8.9 ... 77	142	33.73	1.4	2KJ8642-2EG	25	2KJ8642-4EH	28	
9.2 ... 80	142	32.64	1.5	2KJ8642-2EG	25	2KJ8642-4EH	28	
10.6 ... 92	123	28.32	1.7	2KJ8642-2EG	25	2KJ8642-4EH	28	
11.7 ... 101	112	25.75	1.9	2KJ8642-2EG	25	2KJ8642-4EH	28	
13.6 ... 118	96	22.08	2.1	2KJ8642-2EG	25	2KJ8642-4EH	28	
14.9 ... 130	87	20.07	2.2	2KJ8642-2EG	25	2KJ8642-4EH	28	
17 ... 148	76	17.6	2.4	2KJ8642-2EG	25	2KJ8642-4EH	28	
19.1 ... 166	68	15.71	2.6	2KJ8642-2EG	25	2KJ8642-4EH	28	
21 ... 186	61	14	2.8	2KJ8642-2EG	25	2KJ8642-4EH	28	
23 ... 202	56	12.92	2.9	2KJ8642-2EG	25	2KJ8642-4EH	28	
27 ... 231	49	11.31	3.2	2KJ8642-2EG	25	2KJ8642-4EH	28	
30 ... 263	43	9.92	3.4	2KJ8642-2EG	25	2KJ8642-4EH	28	
33 ... 290	39	9	3.7	2KJ8642-2EG	25	2KJ8642-4EH	28	
35 ... 308	37	8.47	3.8	2KJ8642-2EG	25	2KJ8642-4EH	28	
40 ... 349	32	7.47	3.8	2KJ8642-2EG	25	2KJ8642-4EH	28	
46 ... 403	28	6.48	3.8	2KJ8642-2EG	25	2KJ8642-4EH	28	
C.29-LE80MB.								
11.7 ... 101	112	25.75	0.83	2KJ8601-2EG	19	2KJ8601-4EH	22	
13.6 ... 118	96	22.08	0.97	2KJ8601-2EG	19	2KJ8601-4EH	22	
14.9 ... 130	88	20.07	1.1	2KJ8601-2EG	19	2KJ8601-4EH	22	

Article No. supplements

Motor temperature sensor	without with Pt1000	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...

Order code

Order code

Helical worm geared motors

Selection and ordering data

Control range 1:8.7

Innomotics SG G115D · Control range 1:8.7 / Motor speed range 300 ... 2610 rpm									
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4	
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	
					(Article No. supplements see below)	kg	(Article No. supplements see below)	kg	
1.3	C.29-LE80MB.								
17 ... 148	77	17.6	1.2		2KJ8601-2EG ■■ -5 ■ K1 -Z	19	2KJ8601-4EH ■■ -5 ■ K1 -Z	22	
19.1 ... 166	69	15.71	1.4		2KJ8601-2EG ■■ -5 ■ J1 -Z	19	2KJ8601-4EH ■■ -5 ■ J1 -Z	22	
21 ... 186	61	14	1.5		2KJ8601-2EG ■■ -5 ■ H1 -Z	19	2KJ8601-4EH ■■ -5 ■ H1 -Z	22	
23 ... 202	56	12.92	1.6		2KJ8601-2EG ■■ -5 ■ G1 -Z	19	2KJ8601-4EH ■■ -5 ■ G1 -Z	22	
27 ... 231	49	11.31	1.7		2KJ8601-2EG ■■ -5 ■ F1 -Z	19	2KJ8601-4EH ■■ -5 ■ F1 -Z	22	
30 ... 263	43	9.92	1.8		2KJ8601-2EG ■■ -5 ■ E1 -Z	19	2KJ8601-4EH ■■ -5 ■ E1 -Z	22	
33 ... 290	39	9	1.9		2KJ8601-2EG ■■ -5 ■ D1 -Z	19	2KJ8601-4EH ■■ -5 ■ D1 -Z	22	
35 ... 308	37	8.47	2		2KJ8601-2EG ■■ -5 ■ C1 -Z	19	2KJ8601-4EH ■■ -5 ■ C1 -Z	22	
40 ... 349	32	7.47	2.2		2KJ8601-2EG ■■ -5 ■ B1 -Z	19	2KJ8601-4EH ■■ -5 ■ B1 -Z	22	
46 ... 403	28	6.48	2.3		2KJ8601-2EG ■■ -5 ■ A1 -Z	19	2KJ8601-4EH ■■ -5 ■ A1 -Z	22	
1.9	C.89-LE90S.								
0.91 ... 7.9	1670	329.73	0.82		2KJ8605-2GB ■■ -5 ■ M2 -Z	64	2KJ8605-4GC ■■ -5 ■ M2 -Z	68	
1 ... 8.8	1500	295.75	0.9		2KJ8605-2GB ■■ -5 ■ L2 -Z	64	2KJ8605-4GC ■■ -5 ■ L2 -Z	68	
1.1 ... 9.8	1350	265.91	0.98		2KJ8605-2GB ■■ -5 ■ K2 -Z	64	2KJ8605-4GC ■■ -5 ■ K2 -Z	68	
1.2 ... 10.9	1220	240.5	1.1		2KJ8605-2GB ■■ -5 ■ J2 -Z	64	2KJ8605-4GC ■■ -5 ■ J2 -Z	68	
1.4 ... 11.8	1130	222	1.1		2KJ8605-2GB ■■ -5 ■ H2 -Z	64	2KJ8605-4GC ■■ -5 ■ H2 -Z	68	
1.5 ... 12.8	1030	203.36	1.2		2KJ8605-2GB ■■ -5 ■ G2 -Z	64	2KJ8605-4GC ■■ -5 ■ G2 -Z	68	
1.8 ... 15.3	865	170.62	1.3		2KJ8605-2GB ■■ -5 ■ F2 -Z	64	2KJ8605-4GC ■■ -5 ■ F2 -Z	68	
1.9 ... 16.3	815	160.59	1.3		2KJ8605-2GB ■■ -5 ■ E2 -Z	64	2KJ8605-4GC ■■ -5 ■ E2 -Z	68	
2 ... 17.7	745	147.33	1.4		2KJ8605-2GB ■■ -5 ■ D2 -Z	64	2KJ8605-4GC ■■ -5 ■ D2 -Z	68	
2.3 ... 20	650	128.7	1.5		2KJ8605-2GB ■■ -5 ■ C2 -Z	64	2KJ8605-4GC ■■ -5 ■ C2 -Z	68	
2.6 ... 23	585	115.23	1.6		2KJ8605-2GB ■■ -5 ■ B2 -Z	64	2KJ8605-4GC ■■ -5 ■ B2 -Z	68	
3 ... 26	510	100.75	1.7		2KJ8605-2GB ■■ -5 ■ A2 -Z	64	2KJ8605-4GC ■■ -5 ■ A2 -Z	68	
3.5 ... 30	435	86.48	1.8		2KJ8605-2GB ■■ -5 ■ X1 -Z	64	2KJ8605-4GC ■■ -5 ■ X1 -Z	68	
3.9 ... 34	385	76.44	2		2KJ8605-2GB ■■ -5 ■ W1 -Z	64	2KJ8605-4GC ■■ -5 ■ W1 -Z	68	
	C.69-LE90S.								
2.9 ... 25	620	102.5	0.97		2KJ8604-2GB ■■ -5 ■ A2 -Z	42	2KJ8604-4GC ■■ -5 ■ A2 -Z	46	
3.3 ... 29	540	90	1.1		2KJ8604-2GB ■■ -5 ■ X1 -Z	42	2KJ8604-4GC ■■ -5 ■ X1 -Z	46	
3.7 ... 32	495	81.82	1.2		2KJ8604-2GB ■■ -5 ■ W1 -Z	42	2KJ8604-4GC ■■ -5 ■ W1 -Z	46	
4.3 ... 37	420	70	1.3		2KJ8604-2GB ■■ -5 ■ V1 -Z	42	2KJ8604-4GC ■■ -5 ■ V1 -Z	46	
4.7 ... 41	385	63.64	1.4		2KJ8604-2GB ■■ -5 ■ U1 -Z	42	2KJ8604-4GC ■■ -5 ■ U1 -Z	46	
5.3 ... 46	340	56.25	1.5		2KJ8604-2GB ■■ -5 ■ T1 -Z	42	2KJ8604-4GC ■■ -5 ■ T1 -Z	46	
5.9 ... 51	305	51.14	1.5		2KJ8604-2GB ■■ -5 ■ S1 -Z	42	2KJ8604-4GC ■■ -5 ■ S1 -Z	46	
6.7 ... 58	270	44.79	1.6		2KJ8604-2GB ■■ -5 ■ R1 -Z	42	2KJ8604-4GC ■■ -5 ■ R1 -Z	46	
7.3 ... 63	250	41.35	1.7		2KJ8604-2GB ■■ -5 ■ Q1 -Z	42	2KJ8604-4GC ■■ -5 ■ Q1 -Z	46	
8.2 ... 71	220	36.61	1.9		2KJ8604-2GB ■■ -5 ■ P1 -Z	42	2KJ8604-4GC ■■ -5 ■ P1 -Z	46	
10 ... 87	188	30	2.4		2KJ8604-2GB ■■ -5 ■ N1 -Z	42	2KJ8604-4GC ■■ -5 ■ N1 -Z	46	
11.4 ... 99	165	26.28	2.6		2KJ8604-2GB ■■ -5 ■ M1 -Z	42	2KJ8604-4GC ■■ -5 ■ M1 -Z	46	
12.4 ... 108	152	24.26	2.7		2KJ8604-2GB ■■ -5 ■ L1 -Z	42	2KJ8604-4GC ■■ -5 ■ L1 -Z	46	
14 ... 122	135	21.48	2.9		2KJ8604-2GB ■■ -5 ■ K1 -Z	42	2KJ8604-4GC ■■ -5 ■ K1 -Z	46	
16.8 ... 146	112	17.88	3.2		2KJ8604-2GB ■■ -5 ■ J1 -Z	42	2KJ8604-4GC ■■ -5 ■ J1 -Z	46	
18.9 ... 164	101	15.88	3.6		2KJ8604-2GB ■■ -5 ■ H1 -Z	42	2KJ8604-4GC ■■ -5 ■ H1 -Z	46	
	C.49-LE90S.								
5.7 ... 50	265	52.65	0.82		2KJ8603-2GB ■■ -5 ■ V1 -Z	33	2KJ8603-4GC ■■ -5 ■ V1 -Z	37	
6 ... 52	310	49.87	1		2KJ8603-2GB ■■ -5 ■ U1 -Z	33	2KJ8603-4GC ■■ -5 ■ U1 -Z	37	
6.9 ... 60	270	43.27	1.3		2KJ8603-2GB ■■ -5 ■ T1 -Z	33	2KJ8603-4GC ■■ -5 ■ T1 -Z	37	
7.6 ... 66	245	39.33	1.5		2KJ8603-2GB ■■ -5 ■ S1 -Z	33	2KJ8603-4GC ■■ -5 ■ S1 -Z	37	
8.9 ... 77	210	33.73	1.6		2KJ8603-2GB ■■ -5 ■ R1 -Z	33	2KJ8603-4GC ■■ -5 ■ R1 -Z	37	
9.8 ... 85	190	30.67	1.7		2KJ8603-2GB ■■ -5 ■ Q1 -Z	33	2KJ8603-4GC ■■ -5 ■ Q1 -Z	37	
11.2 ... 97	167	26.89	1.8		2KJ8603-2GB ■■ -5 ■ P1 -Z	33	2KJ8603-4GC ■■ -5 ■ P1 -Z	37	
12.5 ... 109	149	24	1.9		2KJ8603-2GB ■■ -5 ■ N1 -Z	33	2KJ8603-4GC ■■ -5 ■ N1 -Z	37	
14 ... 122	133	21.39	2		2KJ8603-2GB ■■ -5 ■ M1 -Z	33	2KJ8603-4GC ■■ -5 ■ M1 -Z	37	
15.2 ... 132	123	19.74	2.1		2KJ8603-2GB ■■ -5 ■ L1 -Z	33	2KJ8603-4GC ■■ -5 ■ L1 -Z	37	
17.4 ... 151	107	17.29	2.3		2KJ8603-2GB ■■ -5 ■ K1 -Z	33	2KJ8603-4GC ■■ -5 ■ K1 -Z	37	
19.8 ... 172	94	15.16	2.5		2KJ8603-2GB ■■ -5 ■ J1 -Z	33	2KJ8603-4GC ■■ -5 ■ J1 -Z	37	
22 ... 190	85	13.75	2.6		2KJ8603-2GB ■■ -5 ■ H1 -Z	33	2KJ8603-4GC ■■ -5 ■ H1 -Z	37	
23 ... 202	80	12.94	2.7		2KJ8603-2GB ■■ -5 ■ G1 -Z	33	2KJ8603-4GC ■■ -5 ■ G1 -Z	37	
26 ... 229	71	11.41	2.8		2KJ8603-2GB ■■ -5 ■ F1 -Z	33	2KJ8603-4GC ■■ -5 ■ F1 -Z	37	

Article No. supplements				Order code			
Motor temperature sensor	without	0	|	Order code	0	|	Order code
	with Pt1000	1					
Motor brake (brake voltage 180 V DC)	without	0	|	Order code	0	|	Order code
	with see Seite 5/2	1, 2 or 3					
Converter fieldbus communication see Seite 5/2							
Special versions see Chapter 4 „Additional Order options“							

Selection and ordering data

Control range 1:8.7

Innomotics SG G115D · Control range 1:8.7 / Motor speed range 300 ... 2610 rpm

Table with columns for Pn, n2, T2, i, fb, Article No., m, and motor specifications. It lists various motor models like C.49-LE90S, C.39A-LE90S, C.29-LE90S, C.89-LE90L, and C.69-LE90L with their respective parameters.

5

Article No. supplements section showing options for Motor temperature sensor, Motor brake, Converter fieldbus communication, and Special versions with corresponding order codes.

Helical worm geared motors

Selection and ordering data

Control range 1:8.7

Innomatics SG G115D · Control range 1:8.7 / Motor speed range 300 ... 2610 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4			
					Article No. (Article No. supplements see below)	m kg		Article No. (Article No. supplements see below)	m kg		
2.6	C.69-LE90L										
7.3 ... 63	340	41.35	1.3		2KJ8604-2GG	■ ■ -5 ■ Q1 -Z	45		2KJ8604-4GH	■ ■ -5 ■ Q1 -Z	48
8.2 ... 71	300	36.61	1.4		2KJ8604-2GG	■ ■ -5 ■ P1 -Z	45		2KJ8604-4GH	■ ■ -5 ■ P1 -Z	48
10 ... 87	255	30	1.7		2KJ8604-2GG	■ ■ -5 ■ N1 -Z	45		2KJ8604-4GH	■ ■ -5 ■ N1 -Z	48
11.4 ... 99	225	26.28	1.9		2KJ8604-2GG	■ ■ -5 ■ M1 -Z	45		2KJ8604-4GH	■ ■ -5 ■ M1 -Z	48
12.4 ... 108	205	24.26	2		2KJ8604-2GG	■ ■ -5 ■ L1 -Z	45		2KJ8604-4GH	■ ■ -5 ■ L1 -Z	48
14 ... 122	184	21.48	2.1		2KJ8604-2GG	■ ■ -5 ■ K1 -Z	45		2KJ8604-4GH	■ ■ -5 ■ K1 -Z	48
16.8 ... 146	154	17.88	2.3		2KJ8604-2GG	■ ■ -5 ■ J1 -Z	45		2KJ8604-4GH	■ ■ -5 ■ J1 -Z	48
18.9 ... 164	139	15.88	2.6		2KJ8604-2GG	■ ■ -5 ■ H1 -Z	45		2KJ8604-4GH	■ ■ -5 ■ H1 -Z	48
21 ... 186	123	14.06	2.9		2KJ8604-2GG	■ ■ -5 ■ G1 -Z	45		2KJ8604-4GH	■ ■ -5 ■ G1 -Z	48
26 ... 223	102	11.7	3.5		2KJ8604-2GG	■ ■ -5 ■ F1 -Z	45		2KJ8604-4GH	■ ■ -5 ■ F1 -Z	48
27 ... 237	96	11.01	3.6		2KJ8604-2GG	■ ■ -5 ■ E1 -Z	45		2KJ8604-4GH	■ ■ -5 ■ E1 -Z	48
30 ... 264	86	9.87	3.7		2KJ8604-2GG	■ ■ -5 ■ D1 -Z	45		2KJ8604-4GH	■ ■ -5 ■ D1 -Z	48
36 ... 311	73	8.4	3.6		2KJ8604-2GG	■ ■ -5 ■ C1 -Z	45		2KJ8604-4GH	■ ■ -5 ■ C1 -Z	48
42 ... 362	62	7.2	3.7		2KJ8604-2GG	■ ■ -5 ■ B1 -Z	45		2KJ8604-4GH	■ ■ -5 ■ B1 -Z	48
48 ... 421	54	6.2	3.7		2KJ8604-2GG	■ ■ -5 ■ A1 -Z	45		2KJ8604-4GH	■ ■ -5 ■ A1 -Z	48
	C.49-LE90L										
6.9 ... 60	365	43.27	0.95		2KJ8603-2GG	■ ■ -5 ■ T1 -Z	36		2KJ8603-4GH	■ ■ -5 ■ T1 -Z	39
7.6 ... 66	335	39.33	1.1		2KJ8603-2GG	■ ■ -5 ■ S1 -Z	36		2KJ8603-4GH	■ ■ -5 ■ S1 -Z	39
8.9 ... 77	285	33.73	1.1		2KJ8603-2GG	■ ■ -5 ■ R1 -Z	36		2KJ8603-4GH	■ ■ -5 ■ R1 -Z	39
9.8 ... 85	260	30.67	1.2		2KJ8603-2GG	■ ■ -5 ■ Q1 -Z	36		2KJ8603-4GH	■ ■ -5 ■ Q1 -Z	39
11.2 ... 97	225	26.89	1.3		2KJ8603-2GG	■ ■ -5 ■ P1 -Z	36		2KJ8603-4GH	■ ■ -5 ■ P1 -Z	39
12.5 ... 109	200	24	1.4		2KJ8603-2GG	■ ■ -5 ■ N1 -Z	36		2KJ8603-4GH	■ ■ -5 ■ N1 -Z	39
14 ... 122	182	21.39	1.5		2KJ8603-2GG	■ ■ -5 ■ M1 -Z	36		2KJ8603-4GH	■ ■ -5 ■ M1 -Z	39
15.2 ... 132	168	19.74	1.6		2KJ8603-2GG	■ ■ -5 ■ L1 -Z	36		2KJ8603-4GH	■ ■ -5 ■ L1 -Z	39
17.4 ... 151	147	17.29	1.7		2KJ8603-2GG	■ ■ -5 ■ K1 -Z	36		2KJ8603-4GH	■ ■ -5 ■ K1 -Z	39
19.8 ... 172	129	15.16	1.8		2KJ8603-2GG	■ ■ -5 ■ J1 -Z	36		2KJ8603-4GH	■ ■ -5 ■ J1 -Z	39
22 ... 190	117	13.75	1.9		2KJ8603-2GG	■ ■ -5 ■ H1 -Z	36		2KJ8603-4GH	■ ■ -5 ■ H1 -Z	39
23 ... 202	110	12.94	2		2KJ8603-2GG	■ ■ -5 ■ G1 -Z	36		2KJ8603-4GH	■ ■ -5 ■ G1 -Z	39
26 ... 229	97	11.41	2.1		2KJ8603-2GG	■ ■ -5 ■ F1 -Z	36		2KJ8603-4GH	■ ■ -5 ■ F1 -Z	39
30 ... 264	84	9.9	2.1		2KJ8603-2GG	■ ■ -5 ■ E1 -Z	36		2KJ8603-4GH	■ ■ -5 ■ E1 -Z	39
33 ... 290	78	9	2.5		2KJ8603-2GG	■ ■ -5 ■ D1 -Z	36		2KJ8603-4GH	■ ■ -5 ■ D1 -Z	39
35 ... 308	74	8.47	2.5		2KJ8603-2GG	■ ■ -5 ■ C1 -Z	36		2KJ8603-4GH	■ ■ -5 ■ C1 -Z	39
40 ... 349	65	7.47	2.5		2KJ8603-2GG	■ ■ -5 ■ B1 -Z	36		2KJ8603-4GH	■ ■ -5 ■ B1 -Z	39
46 ... 403	56	6.48	2.5		2KJ8603-2GG	■ ■ -5 ■ A1 -Z	36		2KJ8603-4GH	■ ■ -5 ■ A1 -Z	39
	C.39A-LE90L										
10.6 ... 92	245	28.32	0.85		2KJ8642-2GG	■ ■ -5 ■ P1 -Z	32		2KJ8642-4GH	■ ■ -5 ■ P1 -Z	35
11.7 ... 101	220	25.75	0.94		2KJ8642-2GG	■ ■ -5 ■ N1 -Z	32		2KJ8642-4GH	■ ■ -5 ■ N1 -Z	35
13.6 ... 118	192	22.08	1.1		2KJ8642-2GG	■ ■ -5 ■ M1 -Z	32		2KJ8642-4GH	■ ■ -5 ■ M1 -Z	35
14.9 ... 130	174	20.07	1.1		2KJ8642-2GG	■ ■ -5 ■ L1 -Z	32		2KJ8642-4GH	■ ■ -5 ■ L1 -Z	35
17 ... 148	153	17.6	1.2		2KJ8642-2GG	■ ■ -5 ■ K1 -Z	32		2KJ8642-4GH	■ ■ -5 ■ K1 -Z	35
19.1 ... 166	136	15.71	1.3		2KJ8642-2GG	■ ■ -5 ■ J1 -Z	32		2KJ8642-4GH	■ ■ -5 ■ J1 -Z	35
21 ... 186	122	14	1.4		2KJ8642-2GG	■ ■ -5 ■ H1 -Z	32		2KJ8642-4GH	■ ■ -5 ■ H1 -Z	35
23 ... 202	112	12.92	1.5		2KJ8642-2GG	■ ■ -5 ■ G1 -Z	32		2KJ8642-4GH	■ ■ -5 ■ G1 -Z	35
27 ... 231	98	11.31	1.6		2KJ8642-2GG	■ ■ -5 ■ F1 -Z	32		2KJ8642-4GH	■ ■ -5 ■ F1 -Z	35
30 ... 263	86	9.92	1.7		2KJ8642-2GG	■ ■ -5 ■ E1 -Z	32		2KJ8642-4GH	■ ■ -5 ■ E1 -Z	35
33 ... 290	78	9	1.8		2KJ8642-2GG	■ ■ -5 ■ D1 -Z	32		2KJ8642-4GH	■ ■ -5 ■ D1 -Z	35
35 ... 308	74	8.47	1.9		2KJ8642-2GG	■ ■ -5 ■ C1 -Z	32		2KJ8642-4GH	■ ■ -5 ■ C1 -Z	35
40 ... 349	65	7.47	1.9		2KJ8642-2GG	■ ■ -5 ■ B1 -Z	32		2KJ8642-4GH	■ ■ -5 ■ B1 -Z	35
46 ... 403	56	6.48	1.9		2KJ8642-2GG	■ ■ -5 ■ A1 -Z	32		2KJ8642-4GH	■ ■ -5 ■ A1 -Z	35
	C.29-LE90L										
23 ... 202	113	12.92	0.81		2KJ8601-2GG	■ ■ -5 ■ G1 -Z	26		2KJ8601-4GH	■ ■ -5 ■ G1 -Z	29
27 ... 231	99	11.31	0.85		2KJ8601-2GG	■ ■ -5 ■ F1 -Z	26		2KJ8601-4GH	■ ■ -5 ■ F1 -Z	29
30 ... 263	86	9.92	0.9		2KJ8601-2GG	■ ■ -5 ■ E1 -Z	26		2KJ8601-4GH	■ ■ -5 ■ E1 -Z	29
33 ... 290	78	9	0.96		2KJ8601-2GG	■ ■ -5 ■ D1 -Z	26		2KJ8601-4GH	■ ■ -5 ■ D1 -Z	29
35 ... 308	74	8.47	1		2KJ8601-2GG	■ ■ -5 ■ C1 -Z	26		2KJ8601-4GH	■ ■ -5 ■ C1 -Z	29
40 ... 349	65	7.47	1.1		2KJ8601-2GG	■ ■ -5 ■ B1 -Z	26		2KJ8601-4GH	■ ■ -5 ■ B1 -Z	29
46 ... 403	56	6.48	1.2		2KJ8601-2GG	■ ■ -5 ■ A1 -Z	26		2KJ8601-4GH	■ ■ -5 ■ A1 -Z	29

Article No. supplements

Motor temperature sensor	without with Pt1000	0 1				Order code
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	0 1				Order code
Converter fieldbus communication	see Seite 5/2	1, 2 or 3	B, C, D, E, F	or G		
Special versions	see Chapter 4 „Additional Order options“	...				

Innomotics SG G115D · Control range 1:8.7 / Motor speed range 300 ... 2610 rpm

P _N kW	n ₂ rpm	T ₂ Nm	i	f _B	Geared motors with asynchronous motors IE3		Geared motors with synchronous reluctance motors IE4	
					Article No. (Article No. supplements see below)	m kg	Article No. (Article No. supplements see below)	m kg
3.8								
C.89-LE112MA.								
3 ... 26	1020	100.75	100.75	0.85	-	-	2KJ8605-4LC	86
3.5 ... 30	875	86.48	86.48	0.92	-	-	2KJ8605-4LC	86
3.9 ... 34	775	76.44	76.44	0.98	-	-	2KJ8605-4LC	86
4.6 ... 40	655	65	65	1.1	-	-	2KJ8605-4LC	86
5.4 ... 47	700	55.61	55.61	1.7	-	-	2KJ8605-4LC	86
6 ... 52	625	50	50	1.9	-	-	2KJ8605-4LC	86
6.6 ... 58	565	45.22	45.22	2	-	-	2KJ8605-4LC	86
7.2 ... 63	525	41.74	41.74	2.1	-	-	2KJ8605-4LC	86
7.8 ... 68	480	38.24	38.24	2.2	-	-	2KJ8605-4LC	86
9.4 ... 81	400	32.08	32.08	2.5	-	-	2KJ8605-4LC	86
9.9 ... 86	380	30.2	30.2	2.6	-	-	2KJ8605-4LC	86
10.8 ... 94	345	27.7	27.7	2.7	-	-	2KJ8605-4LC	86
12 ... 104	320	25.03	25.03	3.4	-	-	2KJ8605-4LC	86
C.89-LE100LA.								
3 ... 26	1020	100.75	100.75	0.85	2KJ8605-2JB	83	-	-
3.5 ... 30	875	86.48	86.48	0.92	2KJ8605-2JB	83	-	-
3.9 ... 34	775	76.44	76.44	0.98	2KJ8605-2JB	83	-	-
4.6 ... 40	655	65	65	1.1	2KJ8605-2JB	83	-	-
5.4 ... 47	700	55.61	55.61	1.7	2KJ8605-2JB	83	-	-
6 ... 52	625	50	50	1.9	2KJ8605-2JB	83	-	-
6.6 ... 58	565	45.22	45.22	2	2KJ8605-2JB	83	-	-
7.2 ... 63	525	41.74	41.74	2.1	2KJ8605-2JB	83	-	-
7.8 ... 68	480	38.24	38.24	2.2	2KJ8605-2JB	83	-	-
9.4 ... 81	400	32.08	32.08	2.5	2KJ8605-2JB	83	-	-
9.9 ... 86	380	30.2	30.2	2.6	2KJ8605-2JB	83	-	-
10.8 ... 94	345	27.7	27.7	2.7	2KJ8605-2JB	83	-	-
12 ... 104	320	25.03	25.03	3.4	2KJ8605-2JB	83	-	-
C.69-LE100LA.								
6.7 ... 58	540	44.79	44.79	0.82	2KJ8604-2JB	63	-	-
7.3 ... 63	500	41.35	41.35	0.86	2KJ8604-2JB	63	-	-
8.2 ... 71	440	36.61	36.61	0.92	2KJ8604-2JB	63	-	-
10 ... 87	375	30	30	1.2	2KJ8604-2JB	63	-	-
11.4 ... 99	330	26.28	26.28	1.3	2KJ8604-2JB	63	-	-
12.4 ... 108	305	24.26	24.26	1.3	2KJ8604-2JB	63	-	-
14 ... 122	270	21.48	21.48	1.4	2KJ8604-2JB	63	-	-
16.8 ... 146	225	17.88	17.88	1.6	2KJ8604-2JB	63	-	-
18.9 ... 164	200	15.88	15.88	1.8	2KJ8604-2JB	63	-	-
21 ... 186	180	14.06	14.06	2	2KJ8604-2JB	63	-	-
26 ... 223	150	11.7	11.7	2.4	2KJ8604-2JB	63	-	-
27 ... 237	141	11.01	11.01	2.5	2KJ8604-2JB	63	-	-
30 ... 264	126	9.87	9.87	2.5	2KJ8604-2JB	63	-	-
36 ... 311	107	8.4	8.4	2.5	2KJ8604-2JB	63	-	-
42 ... 362	92	7.2	7.2	2.5	2KJ8604-2JB	63	-	-
48 ... 421	79	6.2	6.2	2.5	2KJ8604-2JB	63	-	-
C.69-LE112MA.								
6.7 ... 58	540	44.79	44.79	0.82	-	-	2KJ8604-4LC	67
7.3 ... 63	500	41.35	41.35	0.86	-	-	2KJ8604-4LC	67
8.2 ... 71	440	36.61	36.61	0.92	-	-	2KJ8604-4LC	67
10 ... 87	375	30	30	1.2	-	-	2KJ8604-4LC	67
11.4 ... 99	330	26.28	26.28	1.3	-	-	2KJ8604-4LC	67
12.4 ... 108	305	24.26	24.26	1.3	-	-	2KJ8604-4LC	67
14 ... 122	270	21.48	21.48	1.4	-	-	2KJ8604-4LC	67
16.8 ... 146	225	17.88	17.88	1.6	-	-	2KJ8604-4LC	67
18.9 ... 164	200	15.88	15.88	1.8	-	-	2KJ8604-4LC	67
21 ... 186	180	14.06	14.06	2	-	-	2KJ8604-4LC	67
26 ... 223	150	11.7	11.7	2.4	-	-	2KJ8604-4LC	67
27 ... 237	141	11.01	11.01	2.5	-	-	2KJ8604-4LC	67
30 ... 264	126	9.87	9.87	2.5	-	-	2KJ8604-4LC	67

Article No. supplements		Order code	Order code
Motor temperature sensor	without with Pt1000	0 1	0 1
Motor brake (brake voltage 180 V DC)	without with see Seite 5/2	1, 2 or 3	1, 2 or 3
Converter fieldbus communication	see Seite 5/2	B, C, D, E, F or G	B, C, D, E, F or G
Special versions	see Chapter 4 „Additional Order options“	...+...	...+...

Helical worm geared motors

Selection and ordering data

Control range 1:8.7

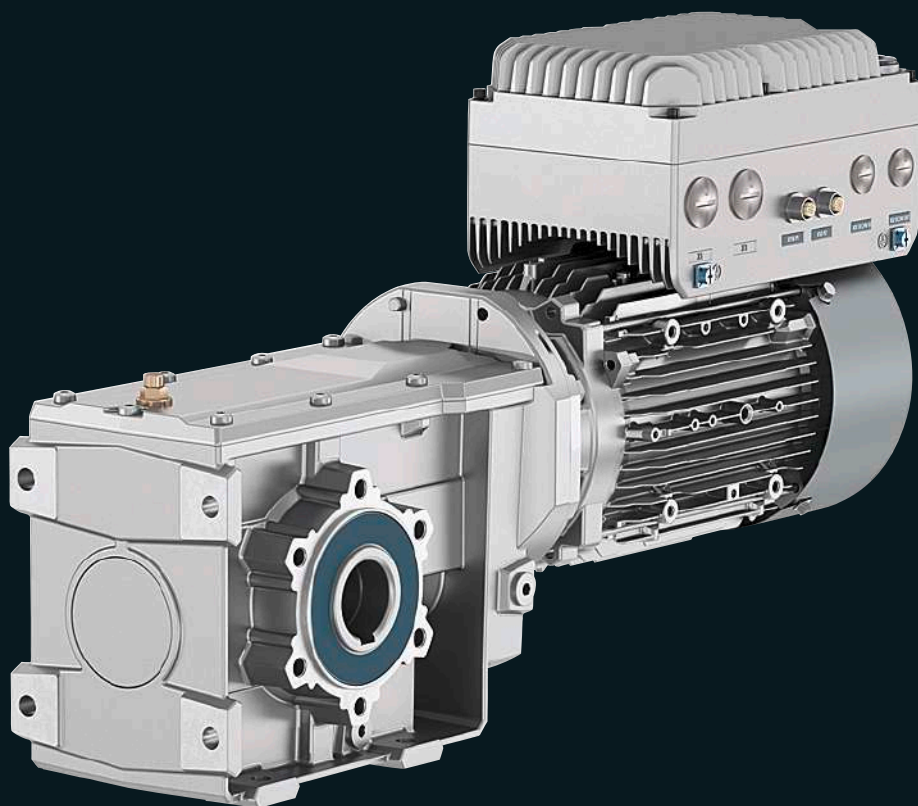
Innomotics SG G115D · Control range 1:8.7 / Motor speed range 300 ... 2610 rpm										
P_N	n_2	T_2	i	f_B	Geared motors with asynchronous motors IE3			Geared motors with synchronous reluctance motors IE4		
kW	rpm	Nm	-	-	Article No.	m	Article No.	m	Article No.	m
					(Article No. supplements see below)			(Article No. supplements see below)		
3.8	C.69-LE112MA.									
36 ... 311		107	8.4	2.5	-	-	2KJ8604-4LC	■ ■ -5 ■ C1 -Z		67
42 ... 362		92	7.2	2.5	-	-	2KJ8604-4LC	■ ■ -5 ■ B1 -Z		67
48 ... 421		79	6.2	2.5	-	-	2KJ8604-4LC	■ ■ -5 ■ A1 -Z		67
C.49-LE100LA.										
11.2 ... 97		335	26.89	0.88	2KJ8603-2JB	■ ■ -5 ■ P1 -Z	54	-		-
12.5 ... 109		295	24	0.95	2KJ8603-2JB	■ ■ -5 ■ N1 -Z	54	-		-
14 ... 122		265	21.39	1	2KJ8603-2JB	■ ■ -5 ■ M1 -Z	54	-		-
15.2 ... 132		245	19.74	1.1	2KJ8603-2JB	■ ■ -5 ■ L1 -Z	54	-		-
17.4 ... 151		215	17.29	1.1	2KJ8603-2JB	■ ■ -5 ■ K1 -Z	54	-		-
19.8 ... 172		189	15.16	1.2	2KJ8603-2JB	■ ■ -5 ■ J1 -Z	54	-		-
22 ... 190		171	13.75	1.3	2KJ8603-2JB	■ ■ -5 ■ H1 -Z	54	-		-
23 ... 202		161	12.94	1.4	2KJ8603-2JB	■ ■ -5 ■ G1 -Z	54	-		-
26 ... 229		142	11.41	1.4	2KJ8603-2JB	■ ■ -5 ■ F1 -Z	54	-		-
30 ... 264		123	9.9	1.4	2KJ8603-2JB	■ ■ -5 ■ E1 -Z	54	-		-
33 ... 290		115	9	1.7	2KJ8603-2JB	■ ■ -5 ■ D1 -Z	54	-		-
35 ... 308		108	8.47	1.7	2KJ8603-2JB	■ ■ -5 ■ C1 -Z	54	-		-
40 ... 349		95	7.47	1.7	2KJ8603-2JB	■ ■ -5 ■ B1 -Z	54	-		-
46 ... 403		82	6.48	1.7	2KJ8603-2JB	■ ■ -5 ■ A1 -Z	54	-		-
C.49-LE112MA.										
11.2 ... 97		335	26.89	0.88	-	-	2KJ8603-4LC	■ ■ -5 ■ P1 -Z		58
12.5 ... 109		295	24	0.95	-	-	2KJ8603-4LC	■ ■ -5 ■ N1 -Z		58
14 ... 122		265	21.39	1	-	-	2KJ8603-4LC	■ ■ -5 ■ M1 -Z		58
15.2 ... 132		245	19.74	1.1	-	-	2KJ8603-4LC	■ ■ -5 ■ L1 -Z		58
17.4 ... 151		215	17.29	1.1	-	-	2KJ8603-4LC	■ ■ -5 ■ K1 -Z		58
19.8 ... 172		189	15.16	1.2	-	-	2KJ8603-4LC	■ ■ -5 ■ J1 -Z		58
22 ... 190		171	13.75	1.3	-	-	2KJ8603-4LC	■ ■ -5 ■ H1 -Z		58
23 ... 202		161	12.94	1.4	-	-	2KJ8603-4LC	■ ■ -5 ■ G1 -Z		58
26 ... 229		142	11.41	1.4	-	-	2KJ8603-4LC	■ ■ -5 ■ F1 -Z		58
30 ... 264		123	9.9	1.4	-	-	2KJ8603-4LC	■ ■ -5 ■ E1 -Z		58
33 ... 290		115	9	1.7	-	-	2KJ8603-4LC	■ ■ -5 ■ D1 -Z		58
35 ... 308		108	8.47	1.7	-	-	2KJ8603-4LC	■ ■ -5 ■ C1 -Z		58
40 ... 349		95	7.47	1.7	-	-	2KJ8603-4LC	■ ■ -5 ■ B1 -Z		58
46 ... 403		82	6.48	1.7	-	-	2KJ8603-4LC	■ ■ -5 ■ A1 -Z		58
C.39A-LE100LA.										
17 ... 148		220	17.6	0.83	2KJ8642-2JB	■ ■ -5 ■ K1 -Z	46	-		-
19.1 ... 166		200	15.71	0.89	2KJ8642-2JB	■ ■ -5 ■ J1 -Z	46	-		-
21 ... 186		178	14	0.95	2KJ8642-2JB	■ ■ -5 ■ H1 -Z	46	-		-
23 ... 202		165	12.92	1	2KJ8642-2JB	■ ■ -5 ■ G1 -Z	46	-		-
27 ... 231		144	11.31	1.1	2KJ8642-2JB	■ ■ -5 ■ F1 -Z	46	-		-
30 ... 263		126	9.92	1.2	2KJ8642-2JB	■ ■ -5 ■ E1 -Z	46	-		-
33 ... 290		115	9	1.2	2KJ8642-2JB	■ ■ -5 ■ D1 -Z	46	-		-
35 ... 308		108	8.47	1.3	2KJ8642-2JB	■ ■ -5 ■ C1 -Z	46	-		-
40 ... 349		95	7.47	1.3	2KJ8642-2JB	■ ■ -5 ■ B1 -Z	46	-		-
Article No. supplements										
Motor temperature sensor	without		0			Order code		0		
	with Pt1000		1					1		
Motor brake	without		0			Order code		0		
(brake voltage 180 V DC)	with see Seite 5/2		1, 2 or 3					1, 2 or 3		
Converter fieldbus communication see Seite 5/2			B, C, D, E, F or G					B, C, D, E, F or G		
Special versions see Chapter 4 „Additional Order options“			...					...

5

Dimensional

drawings





6

Dimensional drawings

6/2 Notes on dimensional drawings

6/2 Overview

6/9 Helical geared motors

6/9 2- and 3-stage

6/26 1-stage

6/32 Parallel shaft geared motors

6/32 2- and 3-stage

6/44 Bevel geared motors

6/44 2-stage

6/60 3-stage

6/68 Helical worm geared motors

6/68 2-stage

6/84 Connections

6/84 Innomotics SG G115D with connections

1

2

3

4

5

6

7

8

Dimensional drawings

Overview

General notes

The dimensional drawings in this catalog do not contain all the detailed dimensions. For detailed information on the dimensions, please refer to the SPC or to Catalog D 50.1.

Overview of standards for the dimensional drawings

Description	DIN / ISO standard
Feather key/keyway	DIN 6885-1
Centering hole solid shaft	DIN 332
Centering hole solid shaft splined	DIN 332-D
Splined shaft	DIN 5480
Hexagon head bolts for hollow shafts	ISO 4014
Hexagon socket head cap screws for splined shafts	ISO 4762

Shaft heights

DIN 747 shaft heights for machines

Shaft height mm	Tolerance mm
≤ 250	-0.5
> 250	-1

Hinweis:

For foot-mounted gearboxes, the mounted motor can extend below the mounting surface of the gearbox.

Shaft extensions

DIN 748-1 cylindrical shaft extensions

Diameter tolerance:

Diameter mm	Tolerance mm
≤ 50	ISO k6
> 50	ISO m6

Centering holes according to DIN 332, form DR:

Diameter mm	Thread size
> 16 ... 21	M6
> 21 ... 24	M8
> 24 ... 30	M10
> 30 ... 38	M12
> 38 ... 50	M16
> 50 ... 85	M20
> 85 ... 130	M24
> 130	M30

Undercut acc.to DIN 509:

Diameter mm	Undercut acc.to DIN 509	Suggested construction, minimum hollow on mating piece mm
> 16 ... 18	E1.0x0.2	0.9 x 45 °
> 18 ... 50	E1.2x0.2	1.1 x 45 °
> 50 ... 80	E1.6x0.3	1.4 x 45 °
> 80 ... 125	E2.5x0.4	2.2 x 45 °

Hollow shafts

Hollow shaft design with feather key

Diameter tolerance \varnothing : ISO H7 measured using a mandrel gauge.

Feather keys: acc. to DIN 6885-1 (high form).

Hollow shafts with shrink disk

Diameter tolerance \varnothing : ISO H7 with mandrel gauge, measured in the area of the shrink disk seat. Hub seat, output side equipped with journal bearing sleeve.

Minimum requirement for the design of the customer shaft:

- _ Elastic limit $Re \geq 360 \text{ N/mm}^2$
- _ Module of elasticity, approx. 206 kN/mm^2
- _ Without tapped hole on the face
- _ Customer shaft must not be in contact with shaft shoulder

Hollow shafts with splines

Splines according to DIN 5480.

Customer shaft:

- _ Without stop shoulder + 1 mm.

Flanges

Centering edge tolerance:

Outer flange diameter mm	Tolerance mm
≤ 300	ISO j6
> 350	ISO h6

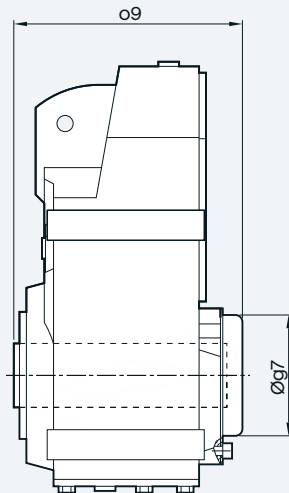
Vent valves

The gearboxes are shown in the dimensional drawings with screw plugs.

If venting is required, then depending on the type of construction, an activated vent valve is installed. The contour dimension can change slightly as a result.

Protective cover for hollow shaft for parallel shaft gearbox

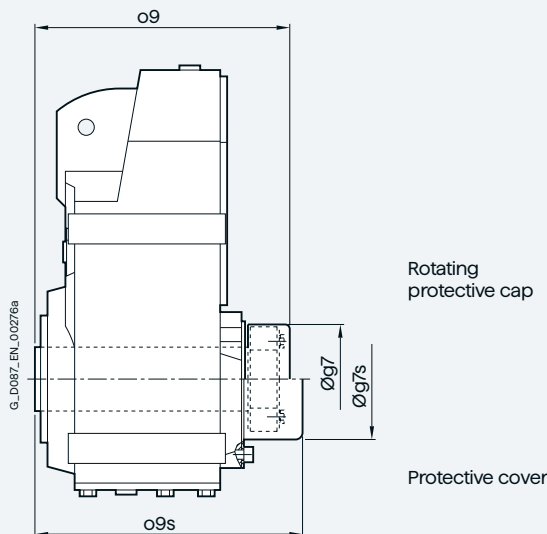
F.A, F.AF, F.AZ, F.AD



Gearbox type	Parallel shaft gearbox, 2-stage and 3-stage					
	F.A..29	F.A..39	F.A..49	F.A..69	F.A..79	F.A..89
Protective cover for hollow shaft						
g7	67.0	82.5	80.0	99.0	99.0	137.0
o9	120.5	134.0	177.0	179.0	192.5	232.5

Protective cover for hollow shaft with shrink disk for parallel shaft gearbox

F.AS, F.AFS, F.AZS, F.ADS

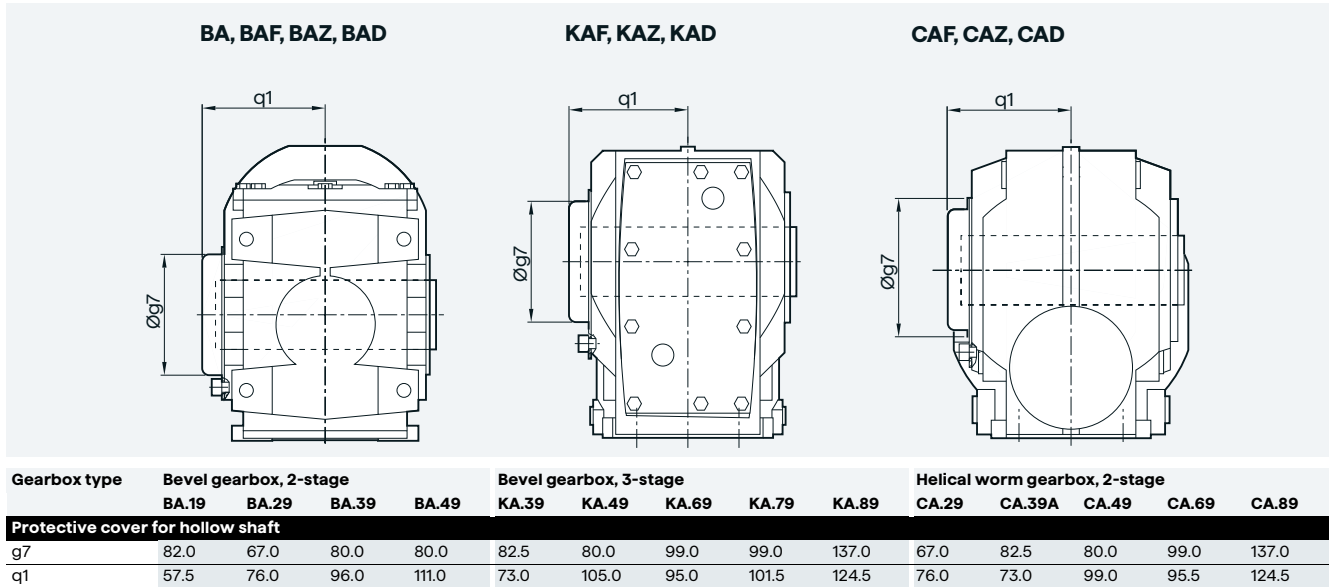


Gearbox type	Parallel shaft gearbox, 2-stage and 3-stage					
	F.A..29	F.A..39	F.A..49	F.A..69	F.A..79	F.A..89
Rotating protective cap with shrink disk version						
max. motor frame size that can be mounted	80	90	100	100	132	160
g7	57.0	76.0	84.0	84.0	94.0	119.0
o9	132.5	149.5	182.0	198.0	215.5	247.5
Protective cover with shrink disk version						
max. motor frame size that can be mounted	80	80	100	100	112	132
g7s	58.0	82.5	86.0	99.0	99.0	137.0
o9s	135.5	170.0	198.0	210.0	223.5	284.5

Dimensional drawings

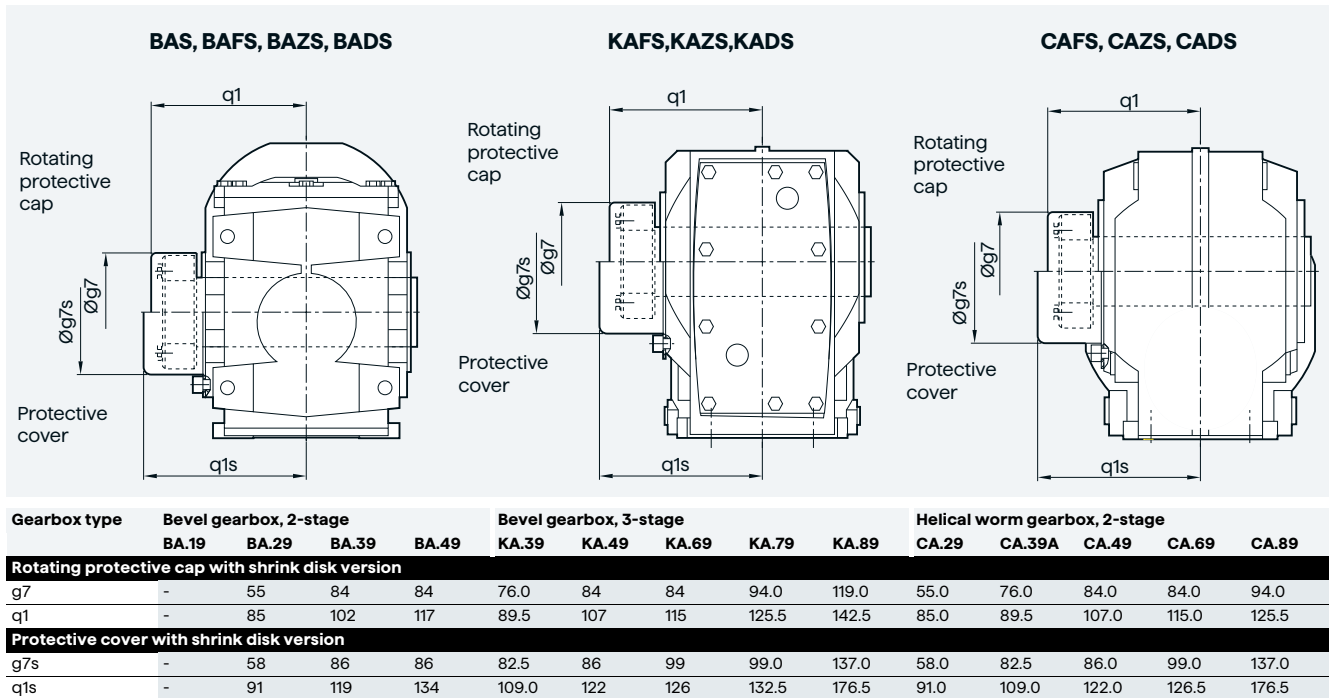
Overview

Protective cover for hollow shaft for bevel gearbox and helical worm gearbox



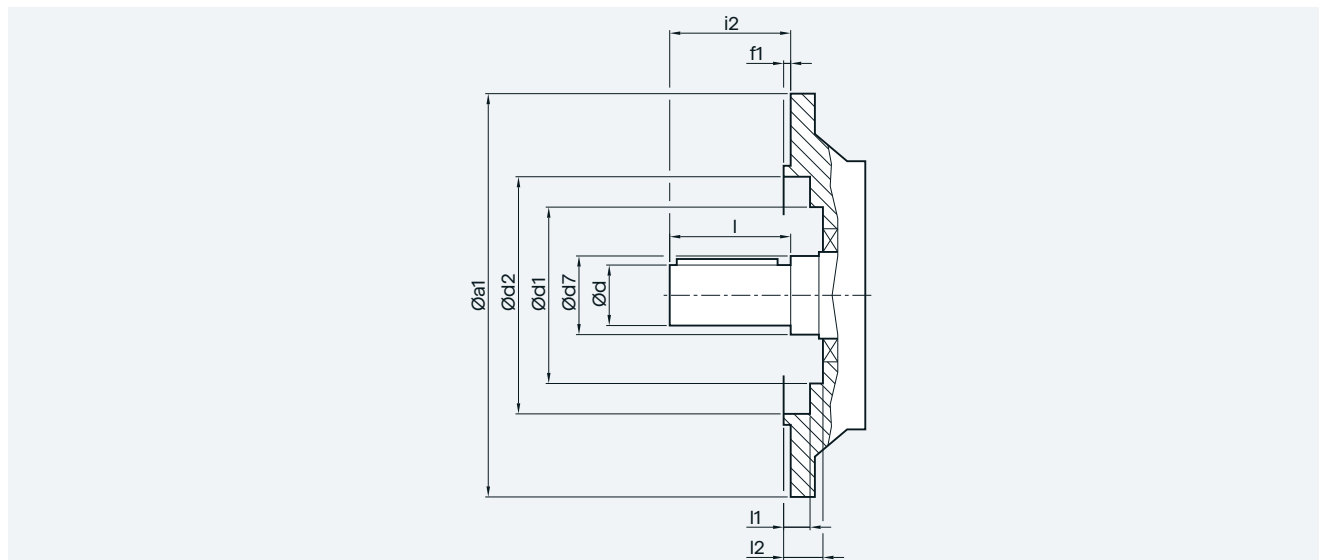
Protective cover for hollow shaft with shrink disk for bevel gearbox and helical worm gearbox

6



Inner contour of the flange-mounted design for helical gearbox

Notes regarding the design of the customer's interface.



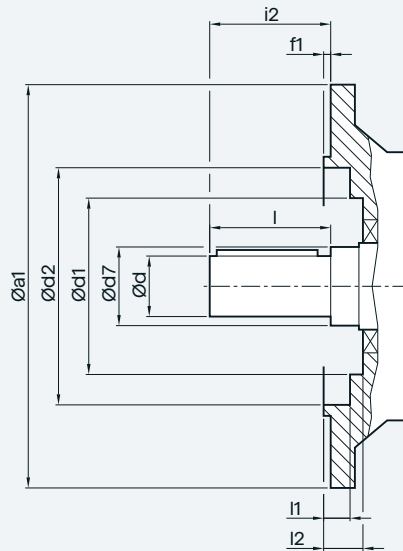
Gearbox	a1	d	d7	d1 DF/ZF	d1 DB/ZB	d2	f1	i2	l	l1 DF/ZF	l1 DB/ZB	i2
Helical gearbox DF/ZF or DB/ZB												
DF/ZF19	120	16	25	48.0	-	72.0	3.0	28	28	1.0	-	6
		16						40	40			
		20						40	40			
140	16	25	48.0	-	87.0	3.0	28	28	1.0	-	6	
							16	40				40
							20	40				40
160	16	25	48.0	-	102.0	3.5	28	28	1.0	-	6.5	
							16	40				40
							20	40				40
DF/ZF29, DB/ZB29	120	25	30	56.0	56.0	72.0	3.0	50	50	2.0	2.0	8
DF/ZF29	140	25	30	56.0	-	87.0	3.5	50	50	2.0	-	7
	160					102.0		50	50			7.5
DF/ZF39, DB/ZB39	120	25	35	69.0	66.0	72.0	3.0	50	50	4.0	4.0	9
DF/ZF39	160	25	35	66.5	-	102.0	3.5	50	50	1.5	-	6.5
		30						60	60			
200	25	35	66.5	-	120.0	3.5	50	50	1.5	-	6.5	
							30	60				60
DF/ZF49, DB/ZB49	140	30	35	79.0	79.0	84.5	3.0	60	60	4.0	4.0	9.5
DF/ZF49	160	30	35	79.0	-	94.5	3.5	60	60	5.5	-	11
	200	30				121.0		60	60	4.5		10
DF/ZF59, DB/ZB59	160	30	40	88.0	88.0	94.5	3.5	60	60	4.5	4.5	11
		35	40					70	70			
		40	45					80	80			
DF/ZF59	200	30	40	88.0	-	115.0	3.5	60	60	4.5	-	9
		35	40					70	70			
		40	45					80	80			
250	30	40	88.0	-	168.0	4.0	60	60	4.0	-	10.5	
							70	70				
							80	80				
DF/ZF69, DB/ZB69	200	35	47	105.0	105.0	115.0	3.5	70	70	4.5	4.5	11
DF/ZF69	250	35	47	105.0	-	168.0	4.0	70	70	4.0	-	10.5

Dimensional drawings

Overview

Inner contour of the flange-mounted design for helical gearbox

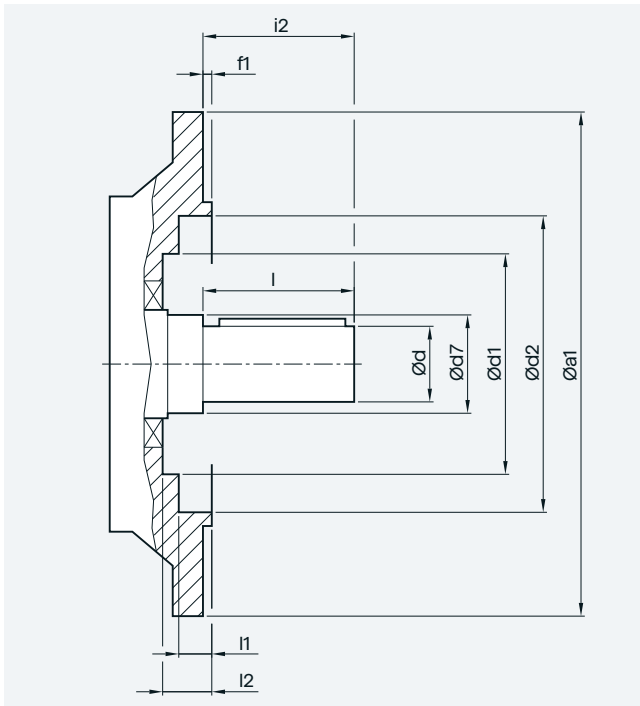
Notes regarding the design of the customer's interface.



Gearbox	a1	d	d7	d1 DF/ZF	d1 DB/ZB	d2	f1	i2	l	l1 DF/ZF	l1 DB/ZB	l2
Helical gearbox DF/ZF or DB/ZB												
DF/ZF79, DB/ZB79	250	35	52	113.0	114.5	168.0	4.0	70	70	0.5	2.5	7.5
		40						80				
		50						100				
DF/ZF79	300	35	52	113.0	-	217.0	4.0	70	70	0.5	-	7.5
		40						80				
		50						100				
	350	35	52	113.0	-	238.0	5.0	70	70	0.5	-	8.5
		40						80				
		50						100				
DF/ZF89, DB/ZB89	300	50	62	143.0	143.0	218.0	4.0	100	100	1.5	1.5	8
DF/ZF89	350	50	62	143.0	-	238.0	5.0	100	100	2.5	-	9
		60						120				
	450	50	62	143.0	-	334.0	5.0	100	100	0.5	-	9
		60						120				
Helical gearbox EF												
EF39	120	20	35	-	-	72.0	3.0	40	40	6.0	-	-
						80.0						
						87						
						100.0						
EF49	160	25	40	88	-	94.5	3.5	50	50	4.5	-	11.0
						115.0						
						121.0						
						168.0						
EF69	200	30	40	105	-	115.0	3.5	60	60	4.5	-	11.0
						168.0						
						168.0						
EF89	250	40	45	113	-	168.0	4.0	80	80	0.5	-	7.5
						217.0						
						238.0						

Inner contour of the flange-mounted design for parallel shaft gearbox, bevel gearbox and helical worm gearbox

Notes regarding the design of the customer's interface for the solid shaft design.



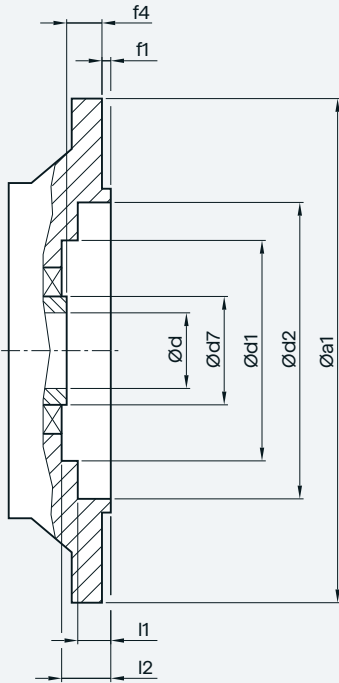
Gearbox type	a1	d	d7	d1	d2	f1	i2	l	l1	l2
Parallel shaft gearbox. 2-stage and 3-stage FZ and FD										
FDF/FZF29	120	25	40	-	70	3.0	40	40	24.0	-
	160	25	40	70	101	3.5	40	40	8.5	24.5
FDF/FZF39	160	25	30	-	100	3.5	50	50	5.0	-
		35	45	80	102	3.5	46	70	2.0	29.5
FDF/FZF49	200	30	35	-	118	3.5	60	60	5.5	-
		40	50	90	120	3.5	55	80	4.0	30.5
FDF/FZF69	250	35	45	-	165	4.0	70	70	6.5	-
FDF/FZF79	250	40	55	-	165	4.0	80	80	6.5	-
		50	55	104	165	4.0	77	100	2.0	29.5
FDF/FZF89	300	50	55	-	165	4.0	100	100	8.0	-
Bevel gearbox. 2-stage B										
BF19	120	20	30	60	68	3.0	40	40	23.5	29.5
BF29	120	20	40	-	70	3.0	40	40	24.0	-
		160	20	40	70	101	3.5	40	40	8.5	24.5
BF39	160	30	55	93	100	3.5	60	60	11.0	31.5
		200	30	55	93	119	3.5	60	60	16.0	31.5
BF49	200	35	55	93	119	3.5	70	70	16.0	31.5
Bevel gearbox. 3-stage K										
KF39	160	25	30	-	100	3.5	50	50	5.0	-
		35	45	80	102	3.5	46	70	2.0	29.5
KF49	200	30	35	-	118	3.5	60	60	5.5	-
		40	50	90	120	3.5	55	80	4.0	30.5
KF69	250	35	45	-	165	4.0	70	70	6.5	-
KF79	250	40	55	-	165	4.0	80	80	6.5	-
		50	55	104	165	4.0	77	100	2.0	29.5
KF89	300	50	55	-	165	4.0	100	100	8.0	-
Helical worm gearbox. 2-stage C										
CF29	120	20	40	-	70	3.0	40	40	24.0	-
		160			70	101	3.5		8.5	24.5
CF39A	160	25	30	-	100	3.5	50	50	5.0	-
CF49	200	30	35	-	118	3.5	60	60	5.5	-
CF69	200	35	45	105	120	4.0	70	70	4.5	48.0
CF89	250	45	70	134	165	4.0	90	90	6.5	53.0

Dimensional drawings

Overview

Inner contour of the flange-mounted design for parallel shaft gearbox, bevel gearbox and helical worm gearbox

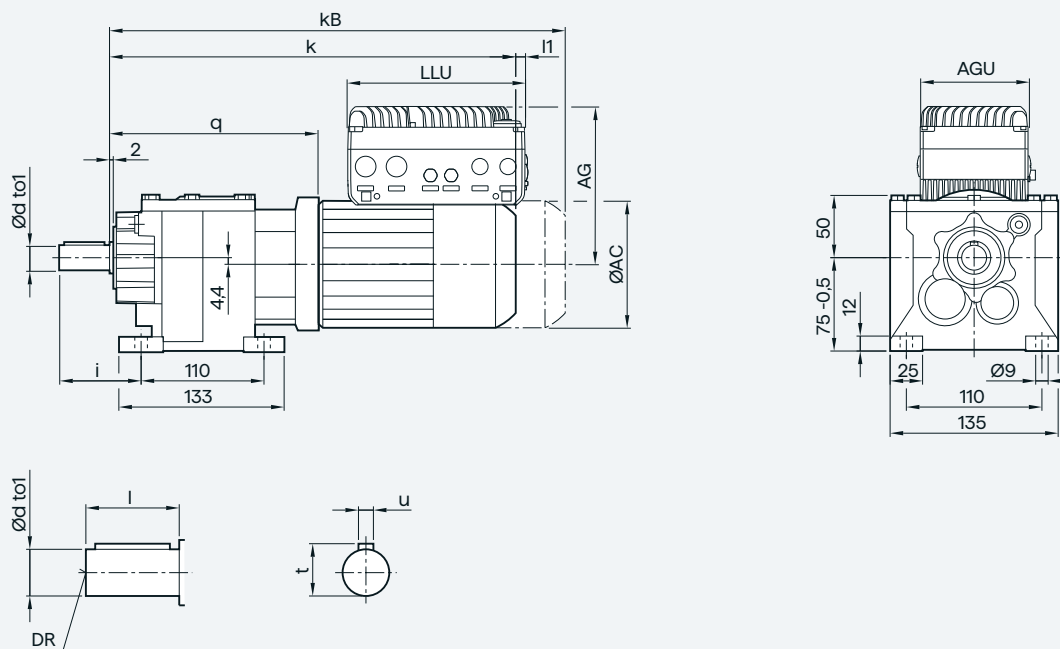
Notes regarding the design of the customer's interface for the hollow shaft design.



Gearbox type	a1	d	d7	d1	d2	f1	f4	l1	l2
Parallel shaft gearbox. 2-stage and 3-stage FZ and FD									
FDAF./FZAF.29	120	25	40	-	70	3.0	20.0	24.0	-
	160	25	40	70	101	3.5	20.0	8.5	24.5
FDAF./FZAF.39	160	25	45	80	102	3.5	24.0	2.0	29.5
		30							
FDAF./FZAF.49	200	30	50	90	120	3.5	25.0	4.0	30.5
		35							
FDAF./FZAF.69	250	40	55	104	165	4.0	23.5	2.0	29.5
FDAF./FZAF.79	250	40	55	104	165	4.0	23.0	2.0	29.5
FDAF./FZAF.89	300	50	70	135	215	4.0	37.0	2.0	44.5
Bevel gearbox. 2-stage B									
BAF.19	120	20	30	60	68	3.0	30.0	23.5	29.5
BAF.29	120	20	40	-	70	3.0	20.0	24.0	-
		25							
BAF.39	160	20	40	70	101	3.5	20.0	8.5	24.5
		25							
BAF.39	160	30	55	93	100	3.5	27.0	11.0	31.5
		35							
BAF.39	200	30	55	93	119	3.5	27.0	16.0	31.5
		35							
BAF.49	200	35	55	93	119	3.5	27.0	16.0	31.5
		40							
Bevel gearbox. 3-stage K									
KAF.39	160	25	45	80	102	3.5	24.0	2.0	29.5
		30							
KAF.49	200	30	50	90	120	3.5	25.0	4.0	30.5
		35							
KAF.69	250	40	55	104	165	4.0	23.5	2.0	29.5
KAF.79	250	40	55	104	165	4.0	23.0	2.0	29.5
KAF.89	300	50	70	135	215	4.0	37.0	2.0	44.5
Helical worm gearbox. 2-stage C									
CAF.29	120	20	35	-	70	3.0	23.0	24.0	-
	160			70	101	3.5		8.5	24.5
CAF.39A	160	25	45	80	102	3.5	24.0	2.0	29.5
		30							
CAF.49	200	30	50	90	120	3.5	25.0	4.0	30.5
		35							
CAF.69	200	40	65	105	120	4.0	42.0	4.5	48.0
		45							
CAF.89	250	50	80	134	147	4	45.5	14.0	53.0
		60							

Helical gearbox, gearbox size 19 - foot-mounted design

Z/D19



Innomotics SG G115D		Motor frame size				
Converter	Frame size	LE71MB	LE80MA	LE80MB		
AG	FSA	177.5	196.0	196.0		
AGU	FSA	146.0	146.0	146.0		
LLU	FSA	240.5	240.5	240.5		
l1	FSA	53.5	25.0	25.0		
Motor	Gearbox					
q	Z/D19	167.5	168.0	168.0		
AC		138.8	156.3	156.3		
k		411.0	443.0	443.0		
kB		466.0	503.0	503.0		
Shaft	d to1	l	t	u	DR	i
Z/D19	16 k6	28	18.0	5	M5	46
	16 k6	40	18.0	5	M8	58
	20 k6	40	22.5	6	M6x16	58

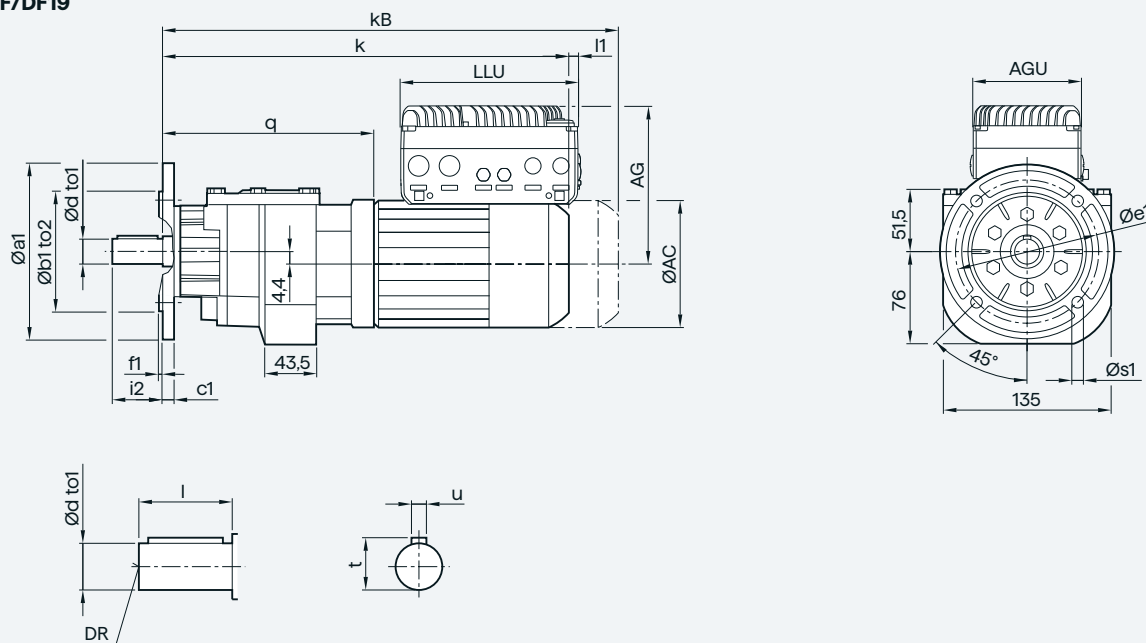
Notes and standards for the dimensional drawings can be found from [page 6/2](#).

Dimensional drawings

2- and 3-stage

Helical gearbox, gearbox size 19 - flange-mounted design

ZF/DF19



6

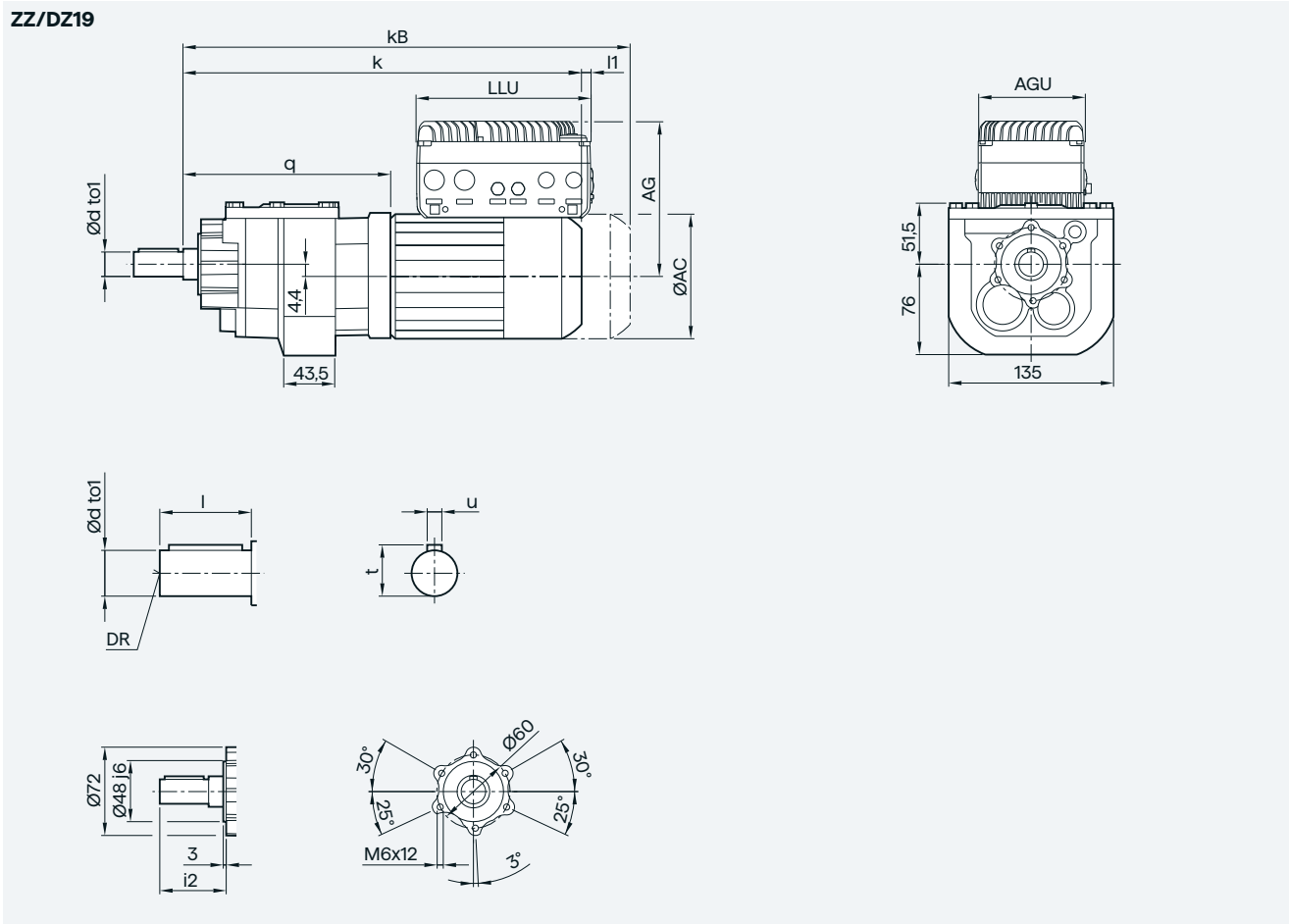
Innomotics SG G115D		Motor frame size		
Converter	Frame size	LE71MB	LE80MA	LE80MB
AG	FSA	177.5	196.0	196.0
AGU	FSA	146.0	146.0	146.0
LLU	FSA	240.5	240.5	240.5
l1	FSA	53.5	25.0	25.0
Motor	Gearbox			
q	ZF/DF19	176.5	177.0	177.0
AC		138.8	156.3	156.3
k		420.0	452.0	452.0
kB		475.0	512.0	512.0

Shaft	d to1	l	t	u	DR	i2
ZF/DF19	16 k6	28	18.0	5	M5	28
	16 k6	40	18.0	5	M8	40
	20 k6	40	22.5	6	M6x16	40

Flange	a1	b1 to2	c1	e1	f1	s1
ZF/DF19	120	80 j6	8	100	3.0	6.6
	140	95 j6	9	115	3.0	9.0
	160	110 j6	9	130	3.5	9.0

Notes and standards for the dimensional drawings can be found from [page 6/2](#).

Helical gearbox, gearbox size 19 - housing flange design



Innomotics SG G115D		Motor frame size		
Converter	Frame size	LE71MB	LE80MA	LE80MB
AG	FSA	177.5	196.0	196.0
AGU	FSA	146.0	146.0	146.0
LLU	FSA	240.5	240.5	240.5
l1	FSA	53.5	25.0	25.0
Motor	Gearbox			
q	ZZ/DZ19	176.5	177.0	177.0
AC		138.8	156.3	156.3
k		420.0	452.0	452.0
kB		475.0	512.0	512.0

Shaft	d to1	l	t	u	DR	i2
ZZ/DZ19	16 k6	28	18.0	5	M5	42
	16 k6	40	18.0	5	M8	54
	20 k6	40	22.5	6	M6x16	54

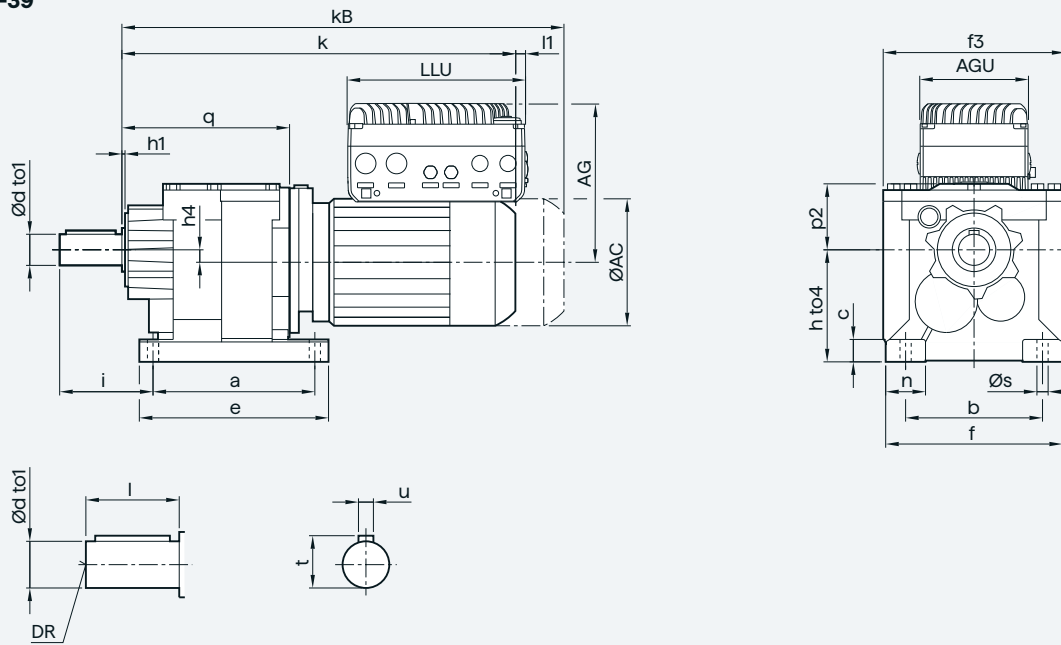
Notes and standards for the dimensional drawings can be found from [page 6/2](#).

Dimensional drawings

2- and 3-stage

Helical gearbox, gearbox size 29 and 39 - foot-mounted design

Z/D29-39



Helical gearbox, gearbox size 29 and 39 - foot-mounted design

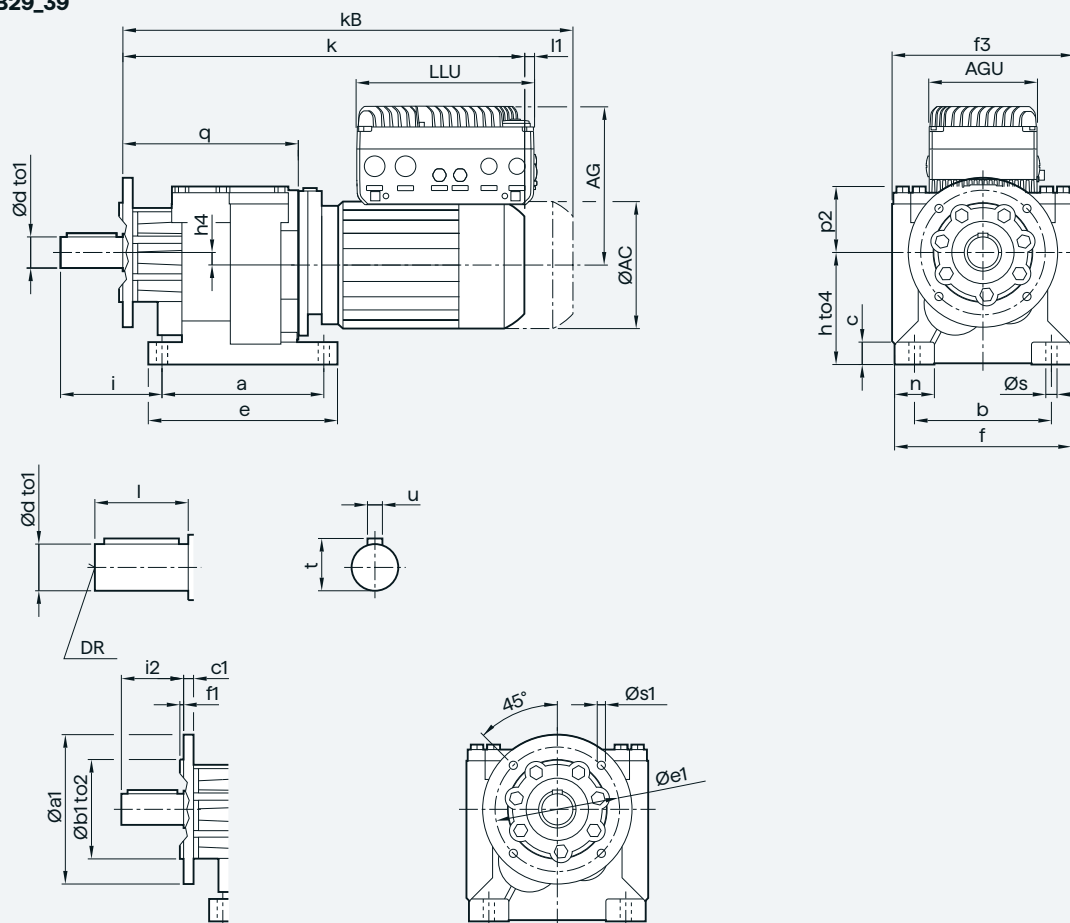
Innomotics SG G115D		Motor frame size											
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L						
AG	FSA	177.5	196.0	196.0	201.0	201.0	-						
	FSB	-	-	-	206.0	206.0	217.5						
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-						
	FSB	-	-	-	180.0	180.0	180.0						
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-						
	FSB	-	-	-	286.0	286.0	286.0						
l1	FSA	53.5	25.0	25.0	0.5	0.5	-						
	FSB	-	-	-	27.0	27.0	5.0						
Motor	Gearbox												
AC	D/Z29	138.8	156.3	156.3	173.8	173.8	198.0						
	D/Z39	138.8	156.3	156.3	173.8	173.8	198.0						
k	D/Z29	420.0	460.0	460.0	486.5	526.5	578.0						
	D/Z39	433.0	473.0	473.0	499.5	539.5	591.0						
kB	D/Z29	475.0	520.0	520.0	556.5	596.5	656.5						
	D/Z39	488.0	533.0	533.0	569.5	609.5	669.5						
Gearbox	q	a	b	c	e	f	f3	h to4	h1	h4	n	p2	s
D/Z29	135	130	110	18	152	142	146	90 -0.5	2.5	10	32	53.5	9
D/Z39	148	130	110	18	160	145	179	90 -0.5	3.0	8.5	34	53.5	9
Shaft	d to1	l		t		u		DR		i			
D/Z29	25 k6	50		28		8		M10x22		75			
D/Z39													

Dimensional drawings

2- and 3-stage

Helical gearbox, gearbox size 29 and 39 - foot-/flange-mounted design

DB/ZB29_39



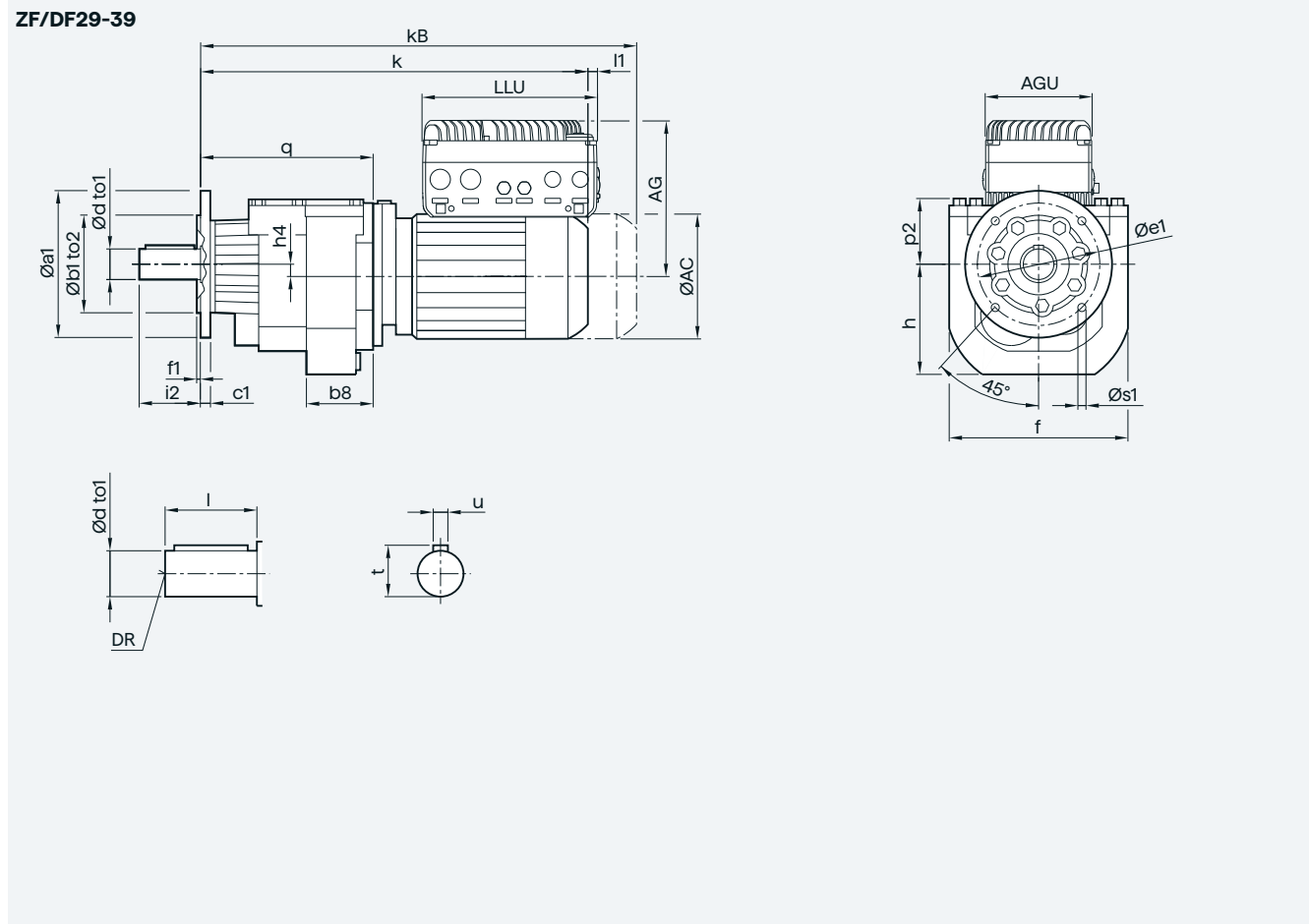
Helical gearbox, gearbox size 29 and 39 - foot-/flange-mounted design

Innomotics SG G115D		Motor frame size																			
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L	q	a	b	c	e	f	f3	h to4	h4	i	n	p2	s	
AG	FSA	177.5	196.0	196.0	201.0	201.0	-	135	130	110	18	152	142	146	90 -0.5	10	81.5	32	53.5	9	
	FSB	-	-	-	206.0	206.0	217.5	148	130	110	18	160	145	179	90 -0.5	8.5	81.0	34	53.5	9	
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-														
	FSB	-	-	-	180.0	180.0	180.0														
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-														
	FSB	-	-	-	286.0	286.0	286.0														
l1	FSA	53.5	25.0	25.0	0.5	0.5	-														
	FSB	-	-	-	27.0	27.0	5.0														
Motor	Gearbox																				
AC	DB/ZB29	138.8	156.3	156.3	173.8	173.8	198.0														
	DB/ZB39	138.8	156.3	156.3	173.8	173.8	198.0														
k	DB/ZB29	426.0	466.0	466.0	492.5	532.5	584.0														
	DB/ZB39	439.0	479.0	479.0	505.5	554.5	597.0														
kB	DB/ZB29	481.0	526.0	526.0	562.5	602.5	662.5														
	DB/ZB39	494.0	539.0	539.0	575.5	615.5	675.5														
Gearbox	q	a	b	c	e	f	f3	h to4	h4	i	n	p2	s								
DB/ZB29	135	130	110	18	152	142	146	90 -0.5	10	81.5	32	53.5	9								
DB/ZB39	148	130	110	18	160	145	179	90 -0.5	8.5	81.0	34	53.5	9								
Shaft	d to1		l		t		u		DR		i2										
DB/ZB29	25 k6		50		28		8		M10x22		50										
DB/ZB39																					
Flange	a1		b1 to2		c1		e1		f1		s1										
DB/ZB29	120		80 j6		8		100		3.0		6.6										
DB/ZB39																					

Dimensional drawings

2- and 3-stage

Helical gearbox, gearbox size 29 and 39 - flange-mounted design



Helical gearbox, gearbox size 29 and 39 - flange-mounted design

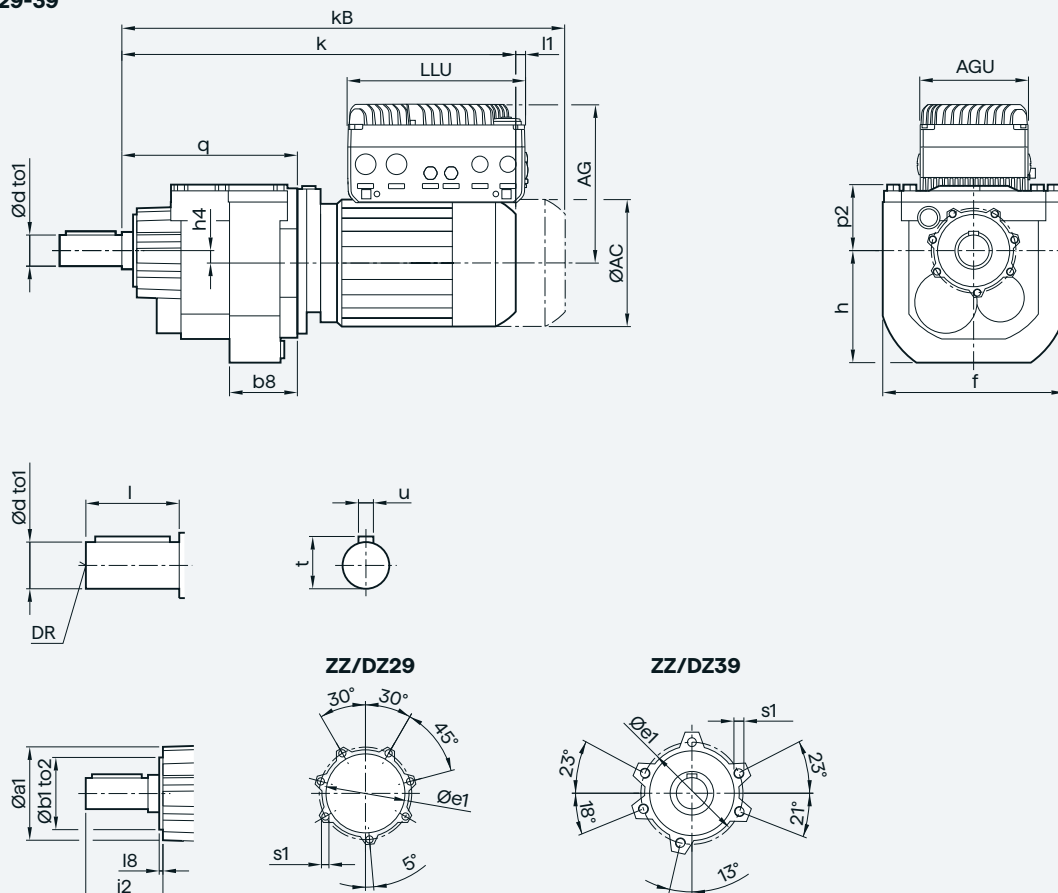
Innomotics SG G115D		Motor frame size					
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L
AG	FSA	177.5	196.0	196.0	201.0	201.0	-
	FSB	-	-	-	206.0	206.0	217.5
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-
	FSB	-	-	-	180.0	180.0	180.0
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-
	FSB	-	-	-	286.0	286.0	286.0
l1	FSA	53.5	25.0	25.0	0.5	0.5	-
	FSB	-	-	-	27.0	27.0	5.0
Motor	Gearbox						
AC	DF/ZF29	138.8	156.3	156.3	173.8	173.8	198.0
	DF/ZF39	138.8	156.3	156.3	173.8	173.8	198.0
k	DF/ZF29	426.0	466.0	466.0	492.5	532.5	584.0
	DF/ZF39	439.0	479.0	479.0	505.5	545.5	597.0
kB	DF/ZF29	481.0	526.0	526.0	562.5	602.5	662.5
	DF/ZF39	494.0	539.0	539.0	575.5	615.5	675.5
Gearbox	q	b8	f	h	h4	p2	
DF/ZF29	141	54.5	146	90	10	53.5	
DF/ZF39	154	56.0	179	90	8.5	53.5	
Shaft	d to1	l	t	u	DR	i2	
DF/ZF29	25 k6	50	28	8	M10x22	50	
DF/ZF39							
Flange	a1	b1 to2	c1	e1	f1	s1	
DF/ZF29	120	80 j6	8	100	3.0	6.6	
	140	95 j6	9	115	3.0	9.0	
	160	110 j6	9	130	3.5	9.0	
DF/ZF39	120	80 j6	8	100	3.0	6.6	
	160	110 j6	10	130	3.5	9.0	
	200	130 j6	12	165	3.5	11.0	

Dimensional drawings

2- and 3-stage

Helical gearbox, gearbox size 29 and 39 - housing flange design

ZZ/DZ29-39



Helical gearbox, gearbox size 29 and 39 - housing flange design

Innomotics SG G115D		Motor frame size					
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L
AG	FSA	177.5	196.0	196.0	201.0	201.0	-
	FSB	-	-	-	206.0	206.0	217.5
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-
	FSB	-	-	-	180.0	180.0	180.0
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-
	FSB	-	-	-	286.0	286.0	286.0
l1	FSA	53.5	25.0	25.0	0.5	0.5	-
	FSB	-	-	-	27.0	27.0	5.0
Motor	Gearbox						
AC	DZ/ZZ29	138.8	156.3	156.3	173.8	173.8	198.0
	DZ/ZZ39	138.8	156.3	156.3	173.8	173.8	198.0
k	DZ/ZZ29	426.0	466.0	466.0	492.5	532.5	584.0
	DZ/ZZ39	439.0	479.0	479.0	505.5	545.5	597.0
kB	DZ/ZZ29	481.0	526.0	526.0	562.5	602.5	662.5
	DZ/ZZ39	494.0	539.0	539.0	575.5	615.5	675.5

Gearbox	q	b8	f	h	h4	p2	Centering	a1	b1 to2	e1	l8	s1	i2
DZ/ZZ29	141	54.5	146	90	10	53.5		79	58 j6	68	3	M6x11	62
DZ/ZZ39	154	56.0	179	90	8.5	53.5		97	68 j6	82	4	M8x16	63

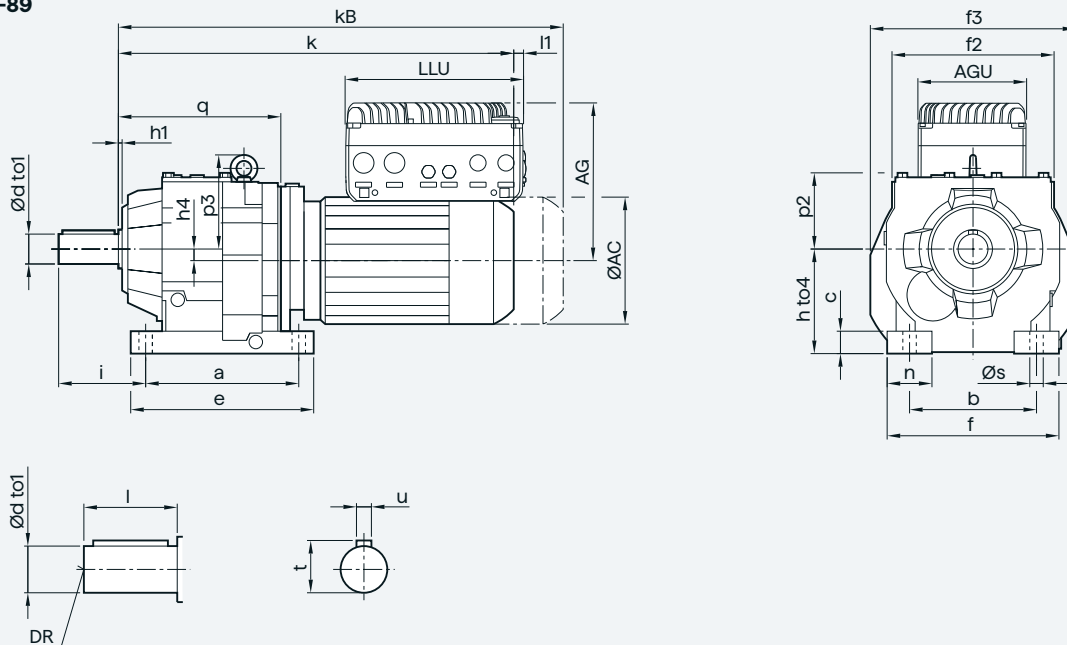
Shaft	d to1	l	t	u	DR
DZ/ZZ29	25 k6	50	28	8	M10x22
DZ/ZZ39					

Dimensional drawings

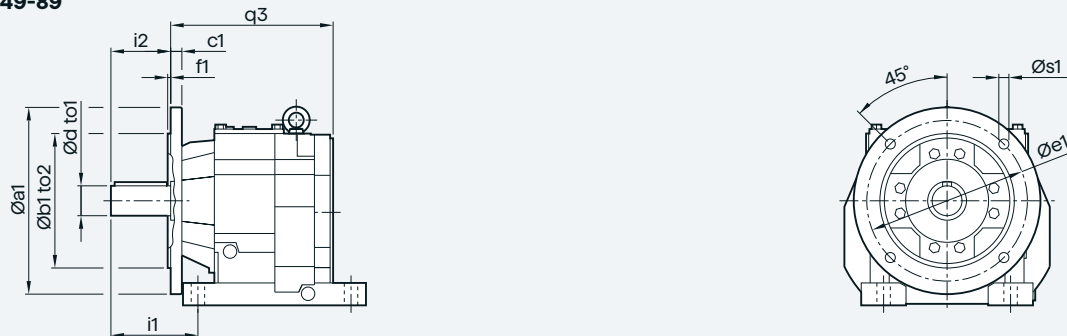
2- and 3-stage

Helical gearbox, gearbox size 49 to 89 - foot-mounted design and foot-/flange-mounted design

Z/D49-89



ZB/DB49-89



Helical gearbox, gearbox size 49 to 89 - foot-mounted design and foot-/flange-mounted design

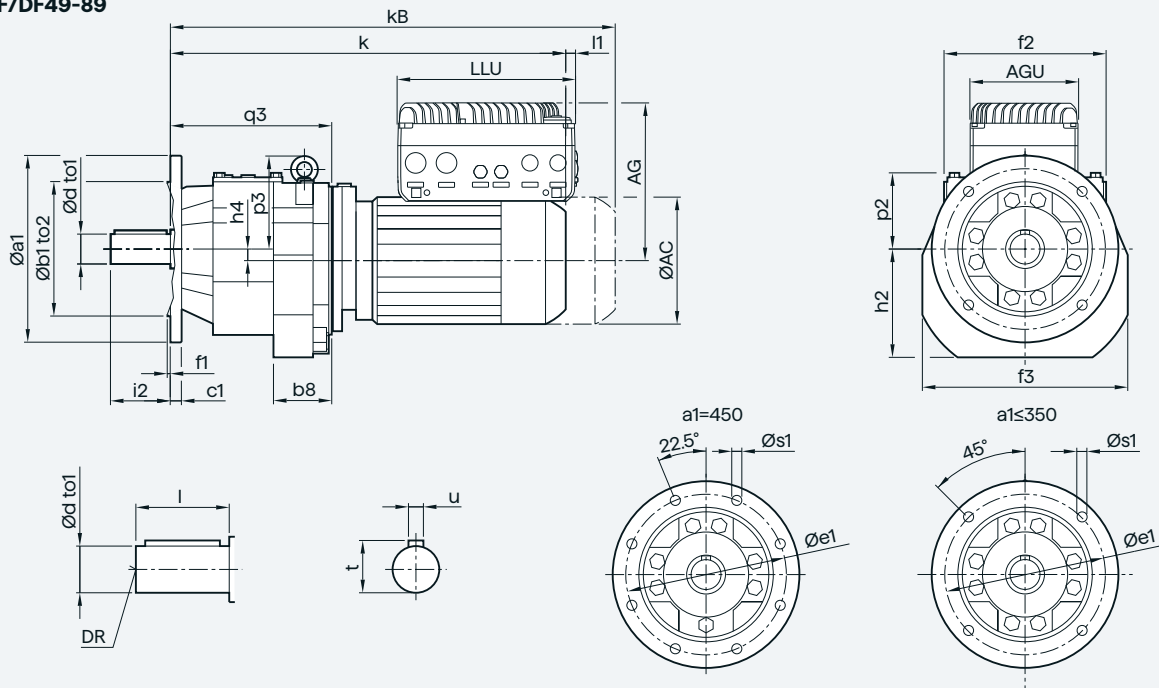
Innomotics SG G115D		Motor frame size													
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L	LE112M	LE112MC						
AG	FSA	177.5	196.0	196.0	201.0	201.0	-	-	-						
	FSB	-	-	-	206.0	206.0	217.5	228.5	228.5						
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-	-	-						
	FSB	-	-	-	180.0	180.0	180.0	180.0	180.0						
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-	-	-						
	FSB	-	-	-	286.0	286.0	286.0	286.0	286.0						
II	FSA	53.5	25.0	25.0	0.5	0.5	-	-	-						
	FSB	-	-	-	27.0	27.0	5.0	-3.0	-3.0						
Motor	Gearbox														
AC	Z./D.49	138.8	156.3	156.3	173.8	173.8	198.0	222.0	222.0						
	Z./D.59														
	Z./D.69														
	Z./D.79														
	Z./D.89	-													
k	Z./D.49	454.5	494.5	494.5	521.0	561.0	612.5	587.5	622.0						
	Z./D.59	454.5	494.5	494.5	521.0	561.0	612.5	587.5	622.0						
	Z./D.69	479.5	519.5	519.5	546.0	586.0	637.5	612.5	647.0						
	Z./D.79	487.5	523.5	523.5	550.0	590.0	641.5	616.5	641.5						
	Z./D.89	-	566.0	566.0	592.5	632.5	680.0	655.0	680.0						
kB	Z./D.49	509.5	554.5	554.5	591.0	631.0	691.0	660.5	695.0						
	Z./D.59	509.5	554.5	554.5	591.0	631.0	691.0	660.5	695.0						
	Z./D.69	534.5	579.5	579.5	616.0	656.0	716.0	685.5	720.0						
	Z./D.79	542.5	583.5	583.5	620.0	660.0	720.0	689.5	714.5						
	Z./D.89	-	626.0	626.0	662.5	702.5	758.5	728.0	753.0						
Gearbox	q	a	b	c	e	f	f2	f3	h to4	h1	h4	n	p2	p3	s
Z./D.49	179.0	165	135	24	200	172	165	213	115 -0.5	3.0	3.9	43	81.0	113.5	13.5
Z./D.59	179.0	165	135	24	200	190	172	227	115 -0.5	3.5	11.5	55	81.0	108.0	14.0
Z./D.69	204.0	195	150	30	235	210	183	223	130 -0.5	3.5	21.3	60	88.5	112.0	13.5
Z./D.79	214.0	205	170	30	245	230	217	275	140 -0.5	3.5	15.5	60	102.5	135.0	18.0
Z./D.89	269.5	260	215	45	310	290	247	324	180 -0.5	4.0	18.9	75	116.0	158.5	17.5
Shaft	d to1		l		t		u		DR		i				
Z./D.49	30 k6		60		33		8		M10x22		90				
Z./D.59	35 k6		70		38		10		M12x28		100				
Z./D.69	35 k6		70		38		10		M12x28		100				
Z./D.79	40 k6		80		43		12		M16x36		115				
Z./D.89	50 k6		100		53.5		14		M16x36		140				
Flange	a1	b1 to2	c1	e1	f1	s1	i1	i2	q3						
ZB/DB49	140	95 j6	10	115	3.0	9.0	90	60	179.0						
	160	110 j6	10	130	3.5	9.0	90	60	179.0						
ZB/DB59	160	110 j6	10	130	3.5	9.0	100	70	179.0						
ZB/DB69	200	130 j6	12	165	3.5	11.0	100	70	204.0						
ZB/DB79	250	180 j6	15	215	4.0	13.5	115	80	214.0						
ZB/DB89	300	230 j6	16	265	4.0	13.5	140	100	269.5						

Dimensional drawings

2- and 3-stage

Helical gearbox, gearbox size 49 to 89 - flange-mounted design

ZF/DF49-89



Helical gearbox, gearbox size 49 to 89 - flange-mounted design

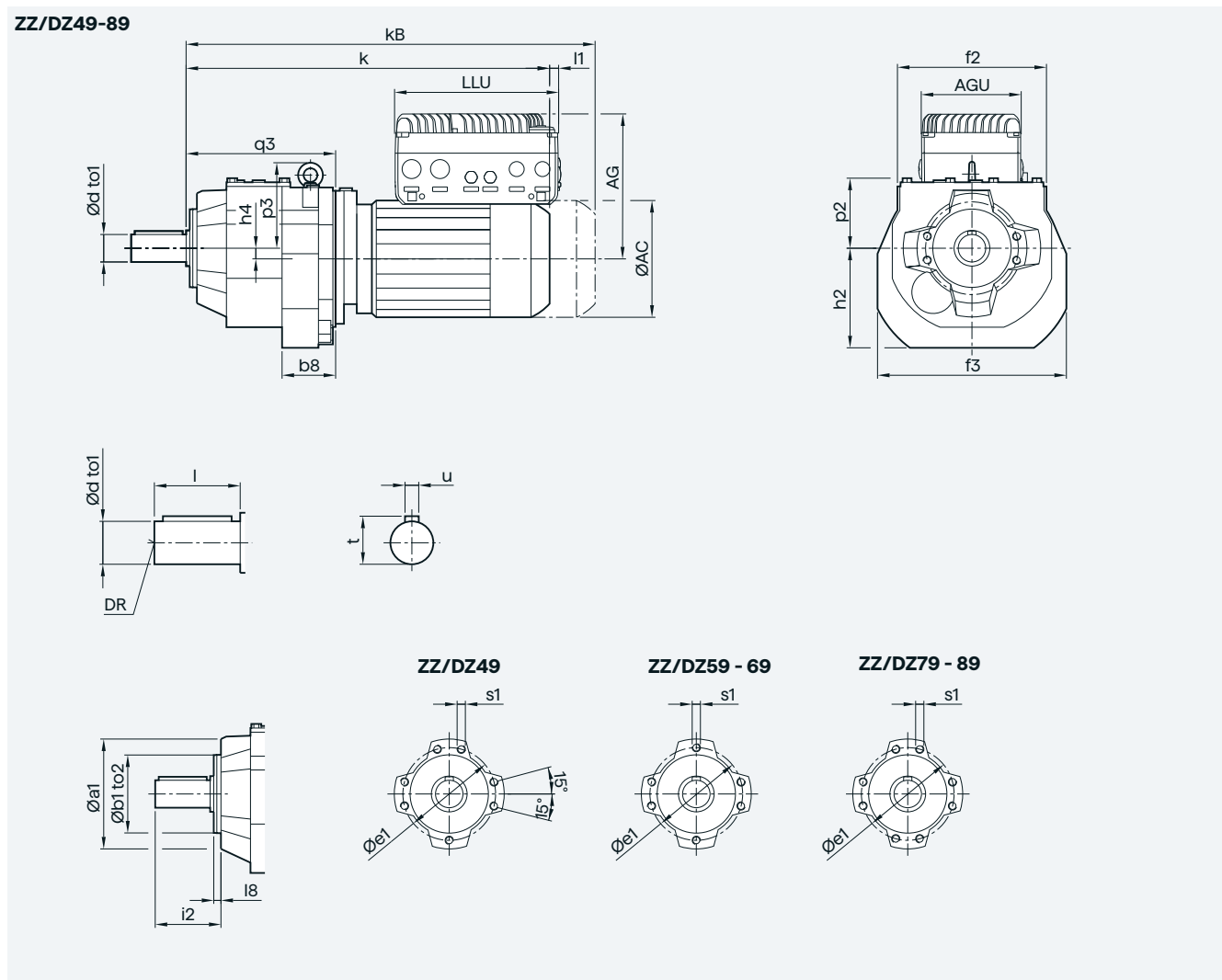
Innomotics SG G115D		Motor frame size							
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L	LE112M	LE112MC
AG	FSA	177.5	196.0	196.0	201.0	201.0	-	-	-
	FSB	-	-	-	206.0	206.0	217.5	228.5	228.5
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-	-	-
	FSB	-	-	-	180.0	180.0	180.0	180.0	180.0
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-	-	-
	FSB	-	-	-	286.0	286.0	286.0	286.0	286.0
l1	FSA	53.5	25.0	25.0	0.5	0.5	-	-	-
	FSB	-	-	-	27.0	27.0	5.0	-3.0	-3.0
Motor	Gearbox								
AC	ZF/DF49	138.8	156.3	156.3	173.8	173.8	198.0	222.0	222.0
	ZF/DF59								
	ZF/DF69								
	ZF/DF79								
	ZF/DF89	-							
k	ZF/DF49	454.5	494.5	494.5	521.0	561.0	612.5	587.5	622.0
	ZF/DF59	454.5	494.5	494.5	521.0	561.0	612.5	587.5	622.0
	ZF/DF69	479.5	519.5	519.5	546.0	586.0	637.5	612.5	647.0
	ZF/DF79	487.5	523.5	523.5	550.0	590.0	641.5	616.5	641.5
	ZF/DF89	-	566.0	566.0	592.5	632.5	680.0	655.0	680.0
kB	ZF/DF49	509.5	554.5	554.5	591.0	631.0	691.0	660.5	695.0
	ZF/DF59	509.5	554.5	554.5	591.0	631.0	691.0	660.5	695.0
	ZF/DF69	534.5	579.5	579.5	616.0	656.0	716.0	685.5	720.0
	ZF/DF79	542.5	583.5	583.5	620.0	660.0	720.0	689.5	714.5
	ZF/DF89	-	626.0	626.0	662.5	702.5	758.5	728.0	753.0
Gearbox	q3	b8	h2	h4	f2	f3	p2	p3	
ZF/DF49	179.0	70	116.0	3.9	165	213	81.0	113.5	
ZF/DF59	179.0	74	117.0	11.5	172	227	81.0	108.0	
ZF/DF69	204.0	70	132.0	21.3	183	223	88.5	112.0	
ZF/DF79	214.0	86	145.0	15.5	217	275	102.5	135.0	
ZF/DF89	269.5	105	181.5	18.9	247	324	116.0	158.5	
Shaft	d to1	l	t	u	DR				
ZF/DF49	30 k6	60	33	8	M10x22				
ZF/DF59	35 k6	70	38	10	M12x28				
ZF/DF69	35 k6	70	38	10	M12x28				
ZF/DF79	40 k6	80	43	12	M16x36				
ZF/DF89	50 k6	100	53.5	14	M16x36				
Flange	a1	b1 to2	c1	e1	f1	s1	i2		
ZF/DF49	140	95 j6	10	115	3.0	9.0	60		
	160	110 j6	10	130	3.5	9.0	60		
	200	130 j6	12	165	3.5	11.0	60		
ZF/DF59	160	110 j6	10	130	3.5	9.0	70		
	200	130 j6	12	165	3.5	11.0	70		
	250	180 j6	15	215	4.0	13.5	70		
ZF/DF69	200	130 j6	12	165	3.5	11.0	70		
	250	180 j6	15	215	4.0	13.5	70		
ZF/DF79	250	180 j6	15	215	4.0	13.5	80		
	300	230 j6	16	265	4.0	13.5	80		
	350	250 j6	16	300	5.0	17.5	80		
ZF/DF89	300	230 j6	16	265	4.0	13.5	100		
	350	250 j6	18	300	5.0	17.5	100		
	450	350 h6	18	400	5.0	17.5	100		

Notes and standards for the dimensional drawings can be found from [page 6/2](#).

Dimensional drawings

2- and 3-stage

Helical gearbox, gearbox size 49 to 89 - housing flange design



Helical gearbox, gearbox size 49 to 89 - housing flange design

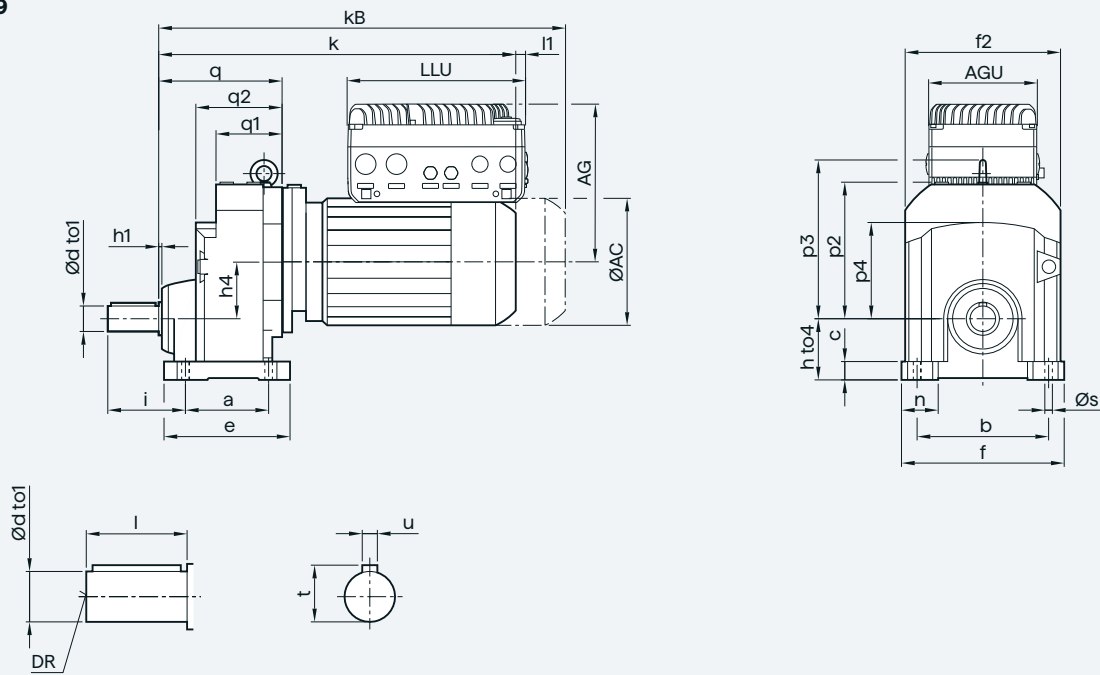
Innomotics SG G115D		Motor frame size							
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L	LE112M	LE112MC
AG	FSA	177.5	196.0	196.0	201.0	201.0	-	-	-
	FSB	-	-	-	206.0	206.0	217.5	228.5	228.5
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-	-	-
	FSB	-	-	-	180.0	180.0	180.0	180.0	180.0
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-	-	-
	FSB	-	-	-	286.0	286.0	286.0	286.0	286.0
l1	FSA	53.5	25.0	25.0	0.5	0.5	-	-	-
	FSB	-	-	-	27.0	27.0	5.0	-3.0	-3.0
Motor	Gearbox								
AC	ZZ/DZ49	138.8	156.3	156.3	173.8	173.8	198.0	222.0	222.0
	ZZ/DZ59								
	ZZ/DZ69								
	ZZ/DZ79								
	ZZ/DZ89	-							
k	ZZ/DZ49	454.5	494.5	494.5	521.0	561.0	612.5	587.5	622.0
	ZZ/DZ59	454.5	494.5	494.5	521.0	561.0	612.5	587.5	622.0
	ZZ/DZ69	479.5	519.5	519.5	546.0	586.0	637.5	612.5	647.0
	ZZ/DZ79	487.5	523.5	523.5	550.0	590.0	641.5	616.5	641.5
	ZZ/DZ89	-	566.0	566.0	592.5	632.5	680.0	655.0	680.0
kB	ZZ/DZ49	509.5	554.5	554.5	591.0	631.0	691.0	660.5	695.0
	ZZ/DZ59	509.5	554.5	554.5	591.0	631.0	691.0	660.5	695.0
	ZZ/DZ69	534.5	579.5	579.5	616.0	656.0	716.0	685.5	720.0
	ZZ/DZ79	542.5	583.5	583.5	620.0	660.0	720.0	689.5	714.5
	ZZ/DZ89	-	626.0	626.0	662.5	702.5	758.5	728.0	753.0

Gearbox	q3	b8	h2	h4	f2	f3	p2	p3	Centering	a1	b1 to2	l8	e1	s1	i2
ZZ/DZ49	179	70	116	3.9	165	213	81	113.5		114	77 j6	13.5	95	M8x14	76.5
ZZ/DZ59	179	74	117	11.5	172	227	81	108.0		127	87 j6	13.0	108	M10x17	86.5
ZZ/DZ69	204	70	132	21.3	183	223	88.5	112.0		145	105 j6	13.0	125	M10x17	86.5
ZZ/DZ79	214	86	145	15.5	217	275	102.5	135.0		160	114 j6	10.5	135	M12x20	94.0
ZZ/DZ89	269.5	105	181.5	18.9	247	324	116.0	158.5		189	140 j6	15.0	165	M12x20	119.0

Shaft	d to1	l	t	u	DR
ZZ/DZ49	30 k6	60	33.0	8	M10x22
ZZ/DZ59	35 k6	70	38.0	10	M12x28
ZZ/DZ69	35 k6	70	38.0	10	M12x28
ZZ/DZ79	40 k6	80	43.0	12	M16x36
ZZ/DZ89	50 k6	100	53.5	14	M16x36

Dimensional drawings

1-stage

Helical gearbox, gearbox size 39 to 89 - foot-mounted design**E39-89**

6

Notes and standards for the dimensional drawings can be found from [page 6/2](#).

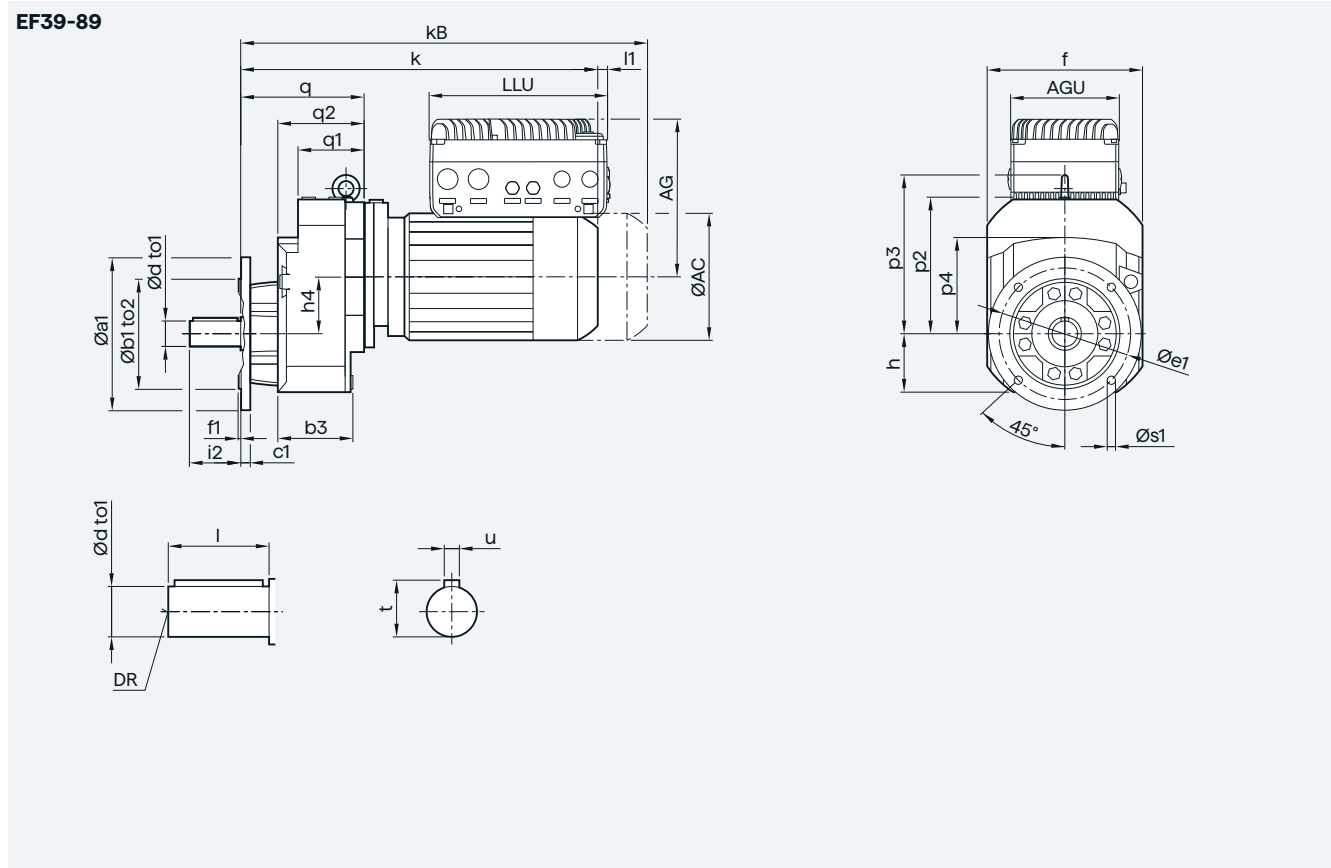
Helical gearbox, gearbox size 39 to 89 - foot-mounted design

Innomotics SG G115D		Motor frame size																
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L	LE112M	LE112MC									
AG	FSA	177.5	196.0	196.0	201.0	201.0	-	-	-									
	FSB	-	-	-	206.0	206.0	217.5	228.5	228.5									
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-	-	-									
	FSB	-	-	-	180.0	180.0	180.0	180.0	180.0									
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-	-	-									
	FSB	-	-	-	286.0	286.0	286.0	286.0	286.0									
l1	FSA	53.5	25.0	25.0	0.5	0.5	-	-	-									
	FSB	-	-	-	27.0	27.0	5.0	-3.0	-3.0									
Motor	Gearbox																	
AC	E39	138.8	156.3	156.3	173.8	173.8	198.0	222.0	222.0									
	E49																	
	E69																	
	E89	-																
k	E39	411.0	451.0	451.0	477.5	517.5	569.0	544.0	569.0									
	E49	424.0	464.0	464.0	490.5	530.5	582.0	557.0	591.5									
	E69	449.5	485.5	485.5	512.0	552.0	603.5	578.5	603.5									
	E89	-	496.5	496.5	523.0	563.0	610.5	585.5	610.5									
kB	E39	466.0	511.0	511.0	547.5	587.5	647.5	617.0	642.0									
	E49	479.0	524.0	524.0	560.5	600.5	660.5	630.0	664.5									
	E69	504.5	545.5	545.5	582.0	622.0	682.0	651.5	676.5									
	E89	-	556.5	556.5	593.0	633.0	689.0	658.5	683.5									
Gearbox	a	b	c	e	f	f2	h to4	h1	h4	n	p2	p3	p4	q	q1	q2	s	
E39	110	125	18	135	154.5	128	56 -0.5	3.0	48.0	35	113.2	-	80.3	126.0	60.0	88.0	11.0	
E49	120	135	20	150	169.0	168	80 -0.5	3.0	62.0	40	147.1	179.8	104.7	148.5	79.5	103.0	13.5	
E69	150	170	25	190	209.0	206	90 -0.5	3.5	74.5	51	178.5	211.1	129.2	176.0	86.5	121.5	17.5	
E89	160	215	30	206	266.0	254	100 -0.5	3.5	92.5	60	221.9	269.6	157.3	200.0	108.0	141.0	17.5	
Shaft	d to1			l			t			u			DR	<th>i</th>				i
E39	20 k6			40			22.5			6			M6x16					56
E49	25 k6			50			28.0			8			M10x22					75
E69	30 k6			60			33.0			8			M10x22					85
E89	40 k6			80			43.0			12			M16x36					110

Dimensional drawings

1-stage

Helical gearbox, gearbox size 39 to 89 - flange-mounted design



Helical gearbox, gearbox size 39 to 89 - flange-mounted design

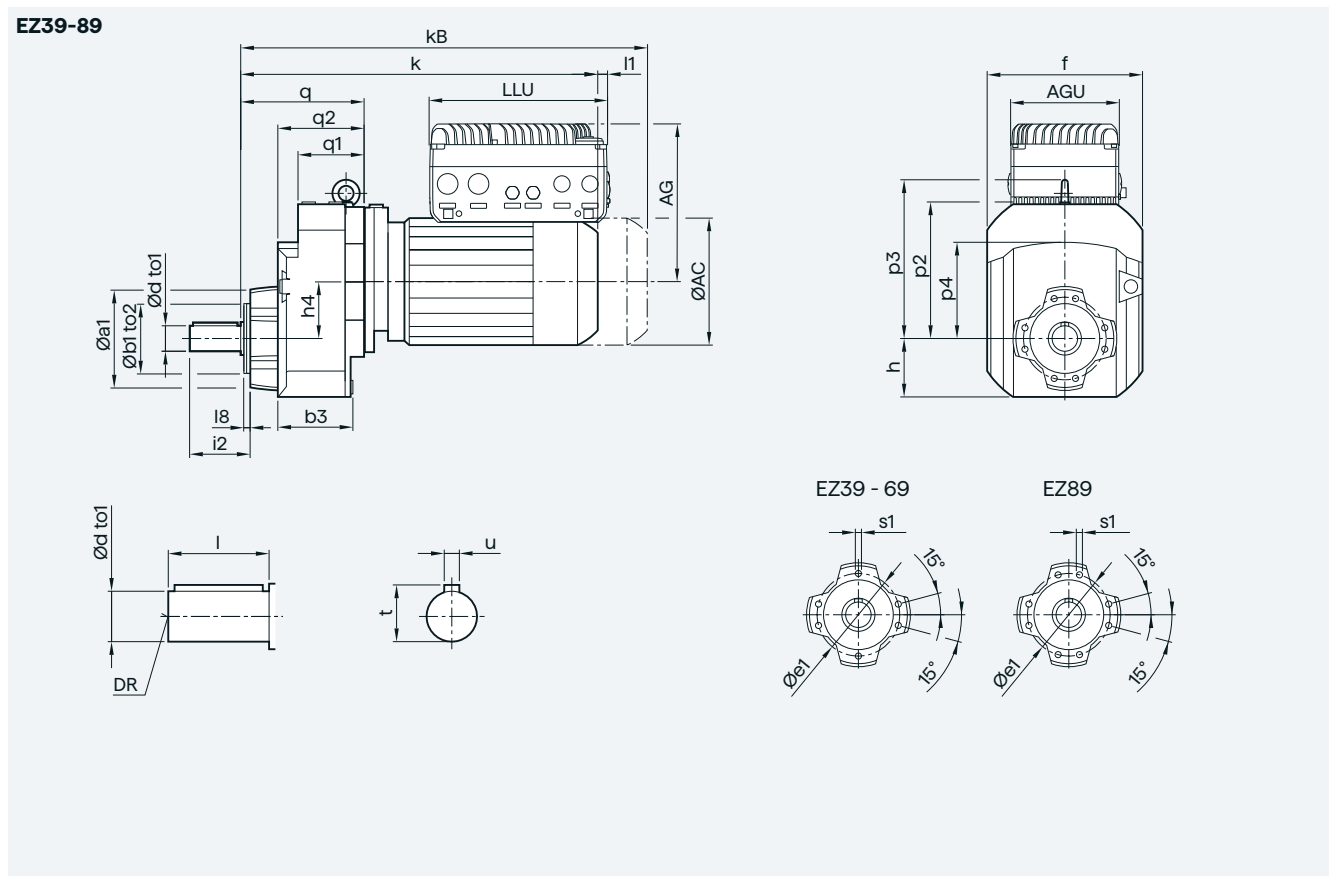
Innomotics SG G115D		Motor frame size								
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L	LE112M	LE112MC	
AG	FSA	177.5	196.0	196.0	201.0	201.0	-	-	-	
	FSB	-	-	-	206.0	206.0	217.5	228.5	228.5	
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-	-	-	
	FSB	-	-	-	180.0	180.0	180.0	180.0	180.0	
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-	-	-	
	FSB	-	-	-	286.0	286.0	286.0	286.0	286.0	
II	FSA	53.5	25.0	25.0	0.5	0.5	-	-	-	
	FSB	-	-	-	27.0	27.0	5.0	-3.0	-3.0	
Motor	Gearbox									
AC	EF39	138.8	156.3	156.3	173.8	173.8	198.0	222.0	222.0	
	EF49									
	EF69									
	EF89	-								
k	EF39	411.0	451.0	451.0	477.5	517.5	569.0	544.0	569.0	
	EF49	424.0	464.0	464.0	490.5	530.5	582.0	557.0	591.5	
	EF69	449.5	485.5	485.5	512.0	552.0	603.5	578.5	603.5	
	EF89	-	496.5	496.5	523.0	563.0	610.5	585.5	610.5	
kB	EF39	466.0	511.0	511.0	547.5	587.5	647.5	617.0	642.0	
	EF49	479.0	524.0	524.0	560.5	600.5	660.5	630.0	664.5	
	EF69	504.5	545.5	545.5	582.0	622.0	682.0	651.5	676.5	
	EF89	-	556.5	556.5	593.0	633.0	689.0	658.5	683.5	
Gearbox	b3	f	h	h4	p2	p3	p4	q	q1	q2
EF39	82.0	128	62.5	48.0	113.2	-	80.3	126.0	60.0	88.0
EF49	96.0	168	72.0	62.0	147.1	179.8	104.7	148.5	79.5	103.0
EF69	111.5	206	82.0	74.5	178.5	211.1	129.2	176.0	86.5	121.5
EF89	123.5	254	95.5	92.5	221.9	269.6	157.3	200.0	108.0	141.0
Shaft	d to1	l	t	u	DR					
EF39	20 k6	40	22.5	6	M6x16					
EF49	25 k6	50	28.0	8	M10x22					
EF69	30 k6	60	33.0	8	M10x22					
EF89	40 k6	80	43.0	12	M16x36					
Flange	a1	b1 to2	c1	e1	f1	s1	i2			
EF39	120	80 j6	8	100	3.0	6.8	40			
	140	95 j6	7	115	3.0	9.0				
	160	110 j6	10	130	3.5	9.0				
	200	130 j6	12	165	3.5	11.0				
EF49	160	110 j6	10	130	3.5	9.0	50			
	200	130 j6	12	165	3.5	11.0				
	250	180 j6	15	215	4.0	13.5				
EF69	200	130 j6	12	165	3.5	11.0	60			
	250	180 j6	15	215	4.0	13.5				
EF89	250	180 j6	15	215	4.0	13.5	80			
	300	230 j6	16	265	4.0	13.5				
	350	250 j6	16	300	5.0	17.5				

Notes and standards for the dimensional drawings can be found from [page 6/2](#).

Dimensional drawings

1-stage

Helical gearbox, gearbox size 39 to 89 - housing flange design



Helical gearbox, gearbox size 39 to 89 - housing flange design

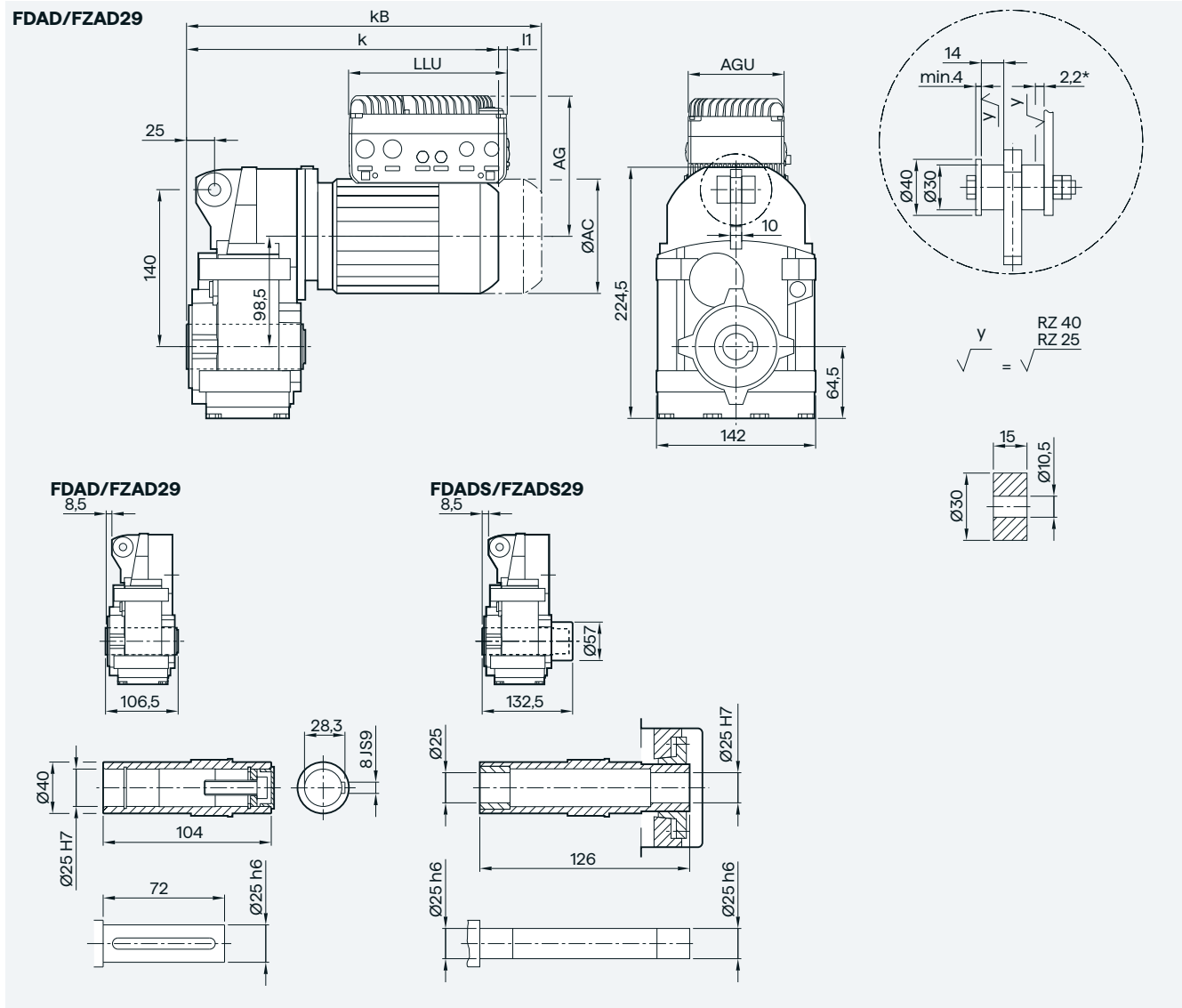
Innomotics SG G115D		Motor frame size															
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L	LE112M	LE112MC								
AG	FSA	177.5	196.0	196.0	201.0	201.0	-	-	-								
	FSB	-	-	-	206.0	206.0	217.5	228.5	228.5								
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-	-	-								
	FSB	-	-	-	180.0	180.0	180.0	180.0	180.0								
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-	-	-								
	FSB	-	-	-	286.0	286.0	286.0	286.0	286.0								
l1	FSA	53.5	25.0	25.0	0.5	0.5	-	-	-								
	FSB	-	-	-	27.0	27.0	5.0	-3.0	-3.0								
Motor	Gearbox																
AC	EZ39	138.8	156.3	156.3	173.8	173.8	198.0	222.0	222.0								
	EZ49																
	EZ69																
	EZ89	-															
k	EZ39	411.0	451.0	451.0	477.5	517.5	569.0	544.0	569.0								
	EZ49	424.0	464.0	464.0	490.5	530.5	582.0	557.0	591.5								
	EZ69	449.5	485.5	485.5	512.0	552.0	603.5	578.5	603.5								
	EZ89	-	496.5	496.5	523.0	563.0	610.5	585.5	610.5								
kB	EZ39	466.0	511.0	511.0	547.5	587.5	647.5	617.0	642.0								
	EZ49	479.0	524.0	524.0	560.5	600.5	660.5	630.0	664.5								
	EZ69	504.5	545.5	545.5	582.0	622.0	682.0	651.5	676.5								
	EZ89	-	556.5	556.5	593.0	633.0	689.0	658.5	683.5								
Gearbox	b3	f	h	h4	p2	p3	p4	q	q1	q2	Centering	a1	b1 to2	e1	s1	l8	i2
EZ39	82.0	128	62.5	48.0	113.2	-	80.3	126.0	60.0	88.0		120	80 j6	100	M8x14	10.0	53.0
EZ49	96.0	168	72.0	62.0	147.1	179.8	104.7	148.5	79.5	103.0		127	87 j6	108	M10x17	13.5	66.5
EZ69	111.5	206	82.0	74.5	178.5	211.1	129.2	176.0	86.5	121.5		145	105 j6	125	M10x17	13.0	76.5
EZ89	123.5	254	95.5	92.5	221.9	269.6	157.3	200.0	108.0	141.0		160	114 j6	135	M12x20	10.5	94.0
Shaft	d to1			l			t			u			DR				
EZ39	20 k6			40			22.5			6			M6x16				
EZ49	25 k6			50			28.0			8			M10x22				
EZ69	30 k6			60			33.0			8			M10x22				
EZ89	40 k6			80			43.0			12			M16x36				

Notes and standards for the dimensional drawings can be found from [page 6/2](#).

Dimensional drawings

2- and 3-stage

Parallel shaft gearbox, gearbox size 29 - shaft-mounted design

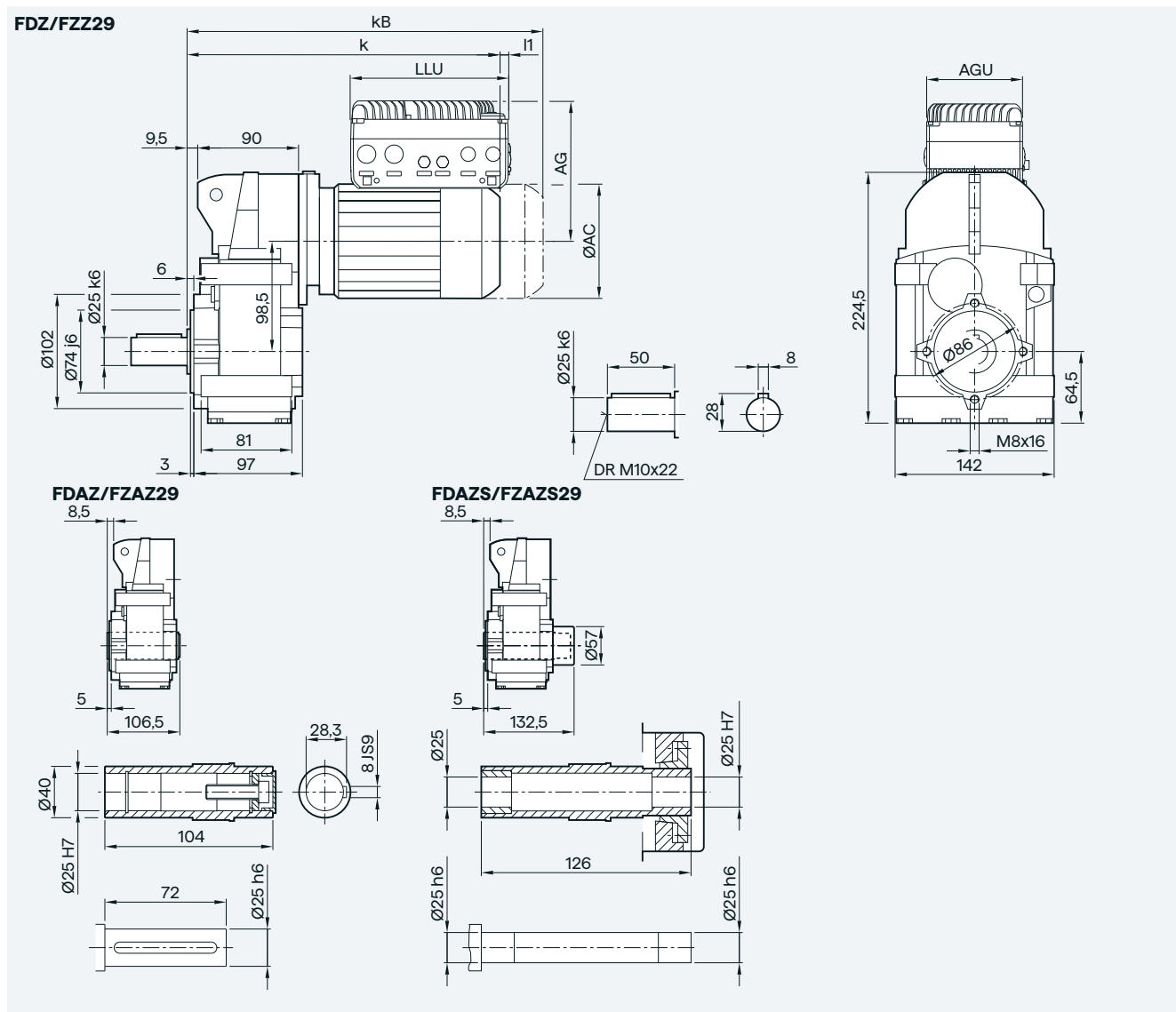


6

Innomotics SG G115D		Motor frame size					
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L
AG	FSA	177.5	196.0	196.0	201.0	201.0	-
	FSB	-	-	-	206.0	206.0	217.5
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-
	FSB	-	-	-	180.0	180.0	180.0
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-
	FSB	-	-	-	286.0	286.0	286.0
l1	FSA	53.5	25.0	25.0	0.5	0.5	-
	FSB	-	-	-	27.0	27.0	5.0
Motor	Gearbox						
AC	F.AD.29	138.8	156.3	156.3	173.8	173.8	198.0
k		383.5	423.5	423.5	450.0	490.0	541.5
kB		438.5	483.5	483.5	520.0	560.0	620.0

Notes and standards for the dimensional drawings can be found from [page 6/2](#).

Parallel shaft gearbox, gearbox size 29 - housing flange design



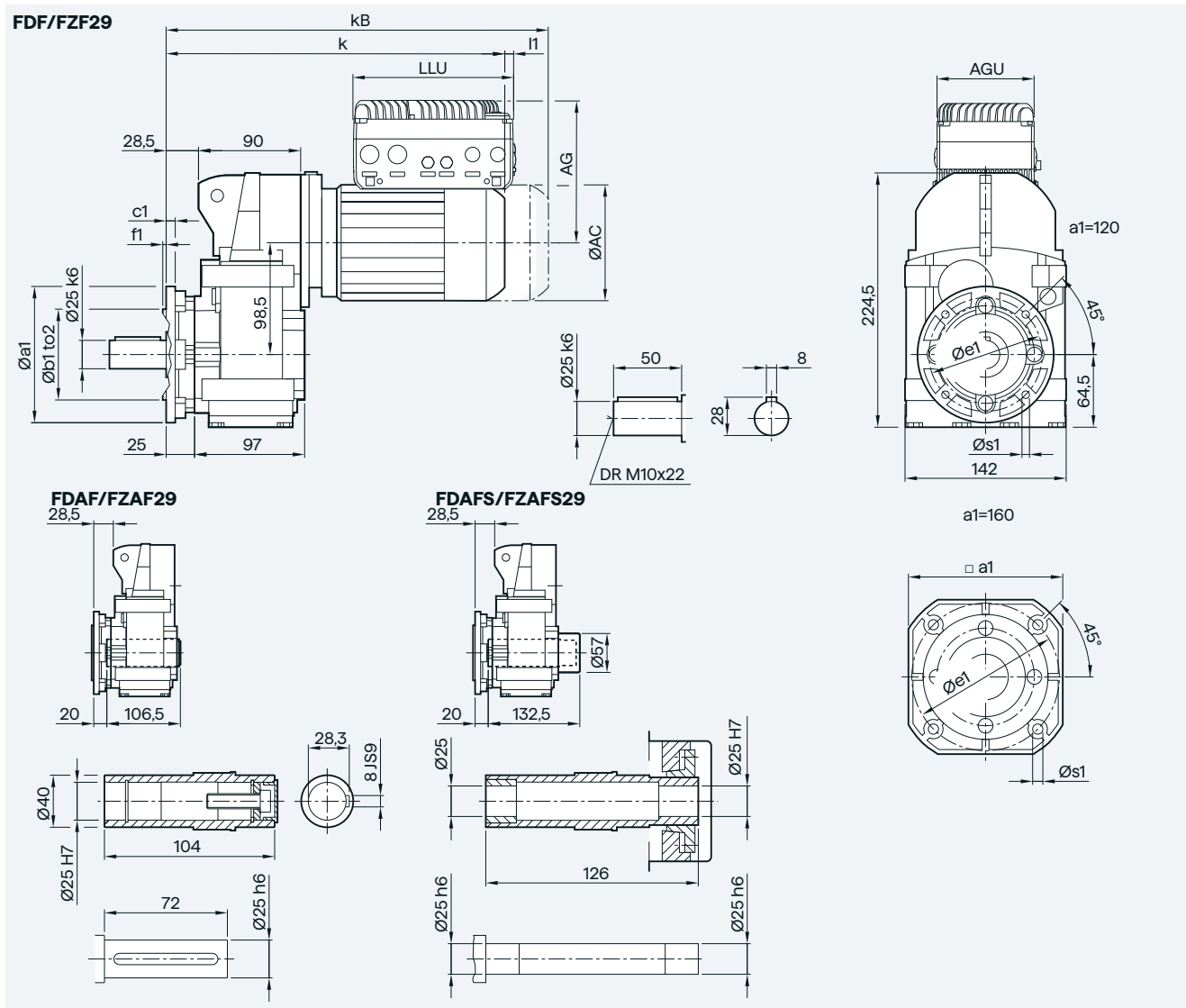
Innomatics SG G115D		Motor frame size					
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L
AG	FSA	177.5	196.0	196.0	201.0	201.0	-
	FSB	-	-	-	206.0	206.0	217.5
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-
	FSB	-	-	-	180.0	180.0	180.0
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-
	FSB	-	-	-	286.0	286.0	286.0
I1	FSA	53.5	25.0	25.0	0.5	0.5	-
	FSB	-	-	-	27.0	27.0	5.0
Motor	Gearbox						
AC	F..Z.29	138.8	156.3	156.3	173.8	173.8	198.0
k		384.5	424.5	424.5	451.0	491.0	542.5
kB		439.5	484.5	484.5	521.0	561.0	621.0

Notes and standards for the dimensional drawings can be found from [page 6/2](#).

Dimensional drawings

2- and 3-stage

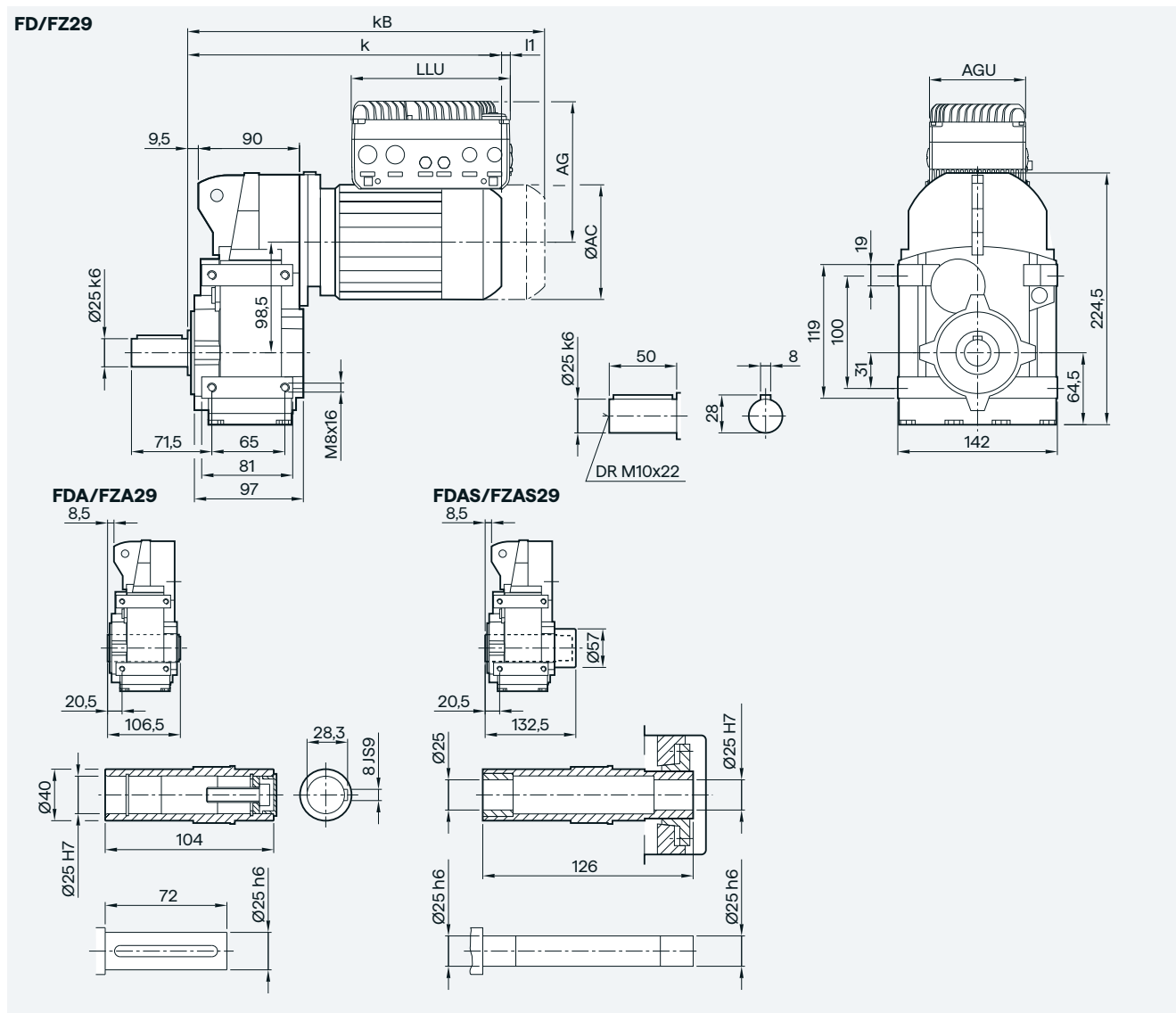
Parallel shaft gearbox, gearbox size 29 - flange-mounted design



Innomotics SG G115D		Motor frame size						
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L	
AG	FSA	177.5	196.0	196.0	201.0	201.0	-	
	FSB	-	-	-	206.0	206.0	217.5	
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-	
	FSB	-	-	-	180.0	180.0	180.0	
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-	
	FSB	-	-	-	286.0	286.0	286.0	
l1	FSA	53.5	25.0	25.0	0.5	0.5	-	
	FSB	-	-	-	27.0	27.0	5.0	
Motor	Gearbox							
	AC	F.F.29	138.8	156.3	156.3	173.8	173.8	198.0
	k		403.5	443.5	443.5	470.0	510.0	561.5
	kB		458.5	503.5	503.5	540.0	580.0	640.0
Flange	a1	b1 to 2	c1	e1	f1	s1		
	F.F.29	120	80 j6	8	100	3.0	6.6	
		160	110 j6	9	130	3.5	9.0	

Notes and standards for the dimensional drawings can be found from [page 6/2](#).

Parallel shaft gearbox, gearbox size 29 - foot-mounted design



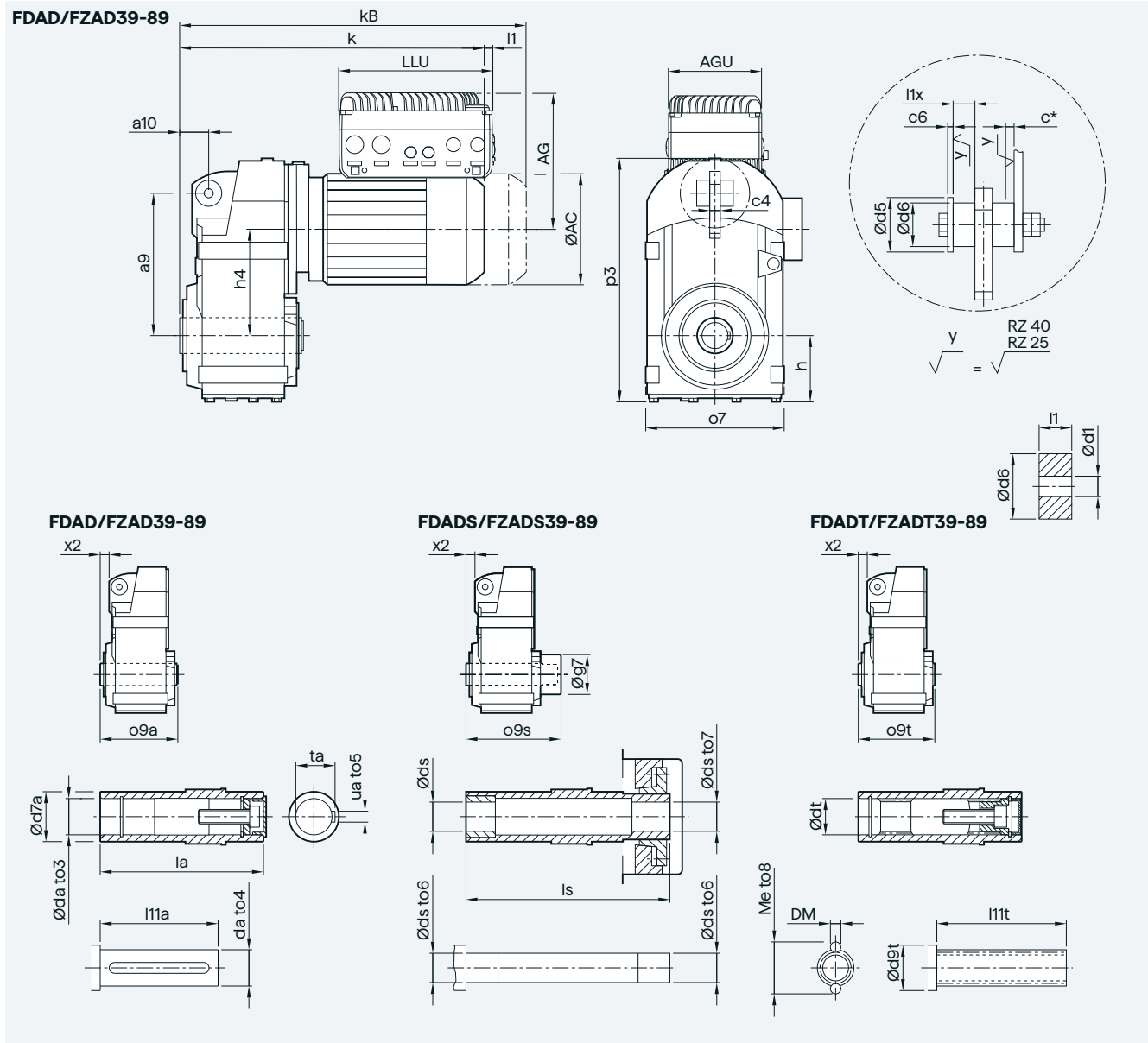
Innomotics SG G115D		Motor frame size					
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L
AG	FSA	177.5	196.0	196.0	201.0	201.0	-
	FSB	-	-	-	206.0	206.0	217.5
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-
	FSB	-	-	-	180.0	180.0	180.0
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-
	FSB	-	-	-	286.0	286.0	286.0
l1	FSA	53.5	25.0	25.0	0.5	0.5	-
	FSB	-	-	-	27.0	27.0	5.0
Motor	Gearbox						
AC	F..29	138.8	156.3	156.3	173.8	173.8	198.0
k		384.5	424.5	424.5	451.0	491.0	542.5
kB		439.5	484.5	484.5	521.0	561.0	621.0

Notes and standards for the dimensional drawings can be found from [page 6/2](#).

Dimensional drawings

2- and 3-stage

Parallel shaft gearbox, gearbox size 39 to 89 - shaft-mounted design



6

Innomotics SG G115D		Motor frame size							
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L	LE112M	LE112MC
AG	FSA	177.5	196.0	196.0	201.0	201.0	-	-	-
	FSB	-	-	-	206.0	206.0	217.5	228.5	228.5
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-	-	-
	FSB	-	-	-	180.0	180.0	180.0	180.0	180.0
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-	-	-
	FSB	-	-	-	286.0	286.0	286.0	286.0	286.0
l1	FSA	53.5	25.0	25.0	0.5	0.5	-	-	-
	FSB	-	-	-	27.0	27.0	5.0	-3.0	-3.0

Notes and standards for the dimensional drawings can be found from [page 6/2](#).

Parallel shaft gearbox, gearbox size 39 to 89 - shaft-mounted design

Motor	Gearbox	Motor frame size							
		LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L	LE112M	LE112MC
AC	F..D.39	138.8	156.3	156.3	173.8	173.8	198.0	222.0	222.0
	F..D.49								
	F..D.69								
	F..D.79								
	F..D.89	-							
k	F..D.39	398.0	438.0	438.0	464.5	504.5	556.0	531.0	556.0
	F..D.49	415.0	455.0	455.0	481.5	521.5	573.0	548.0	582.5
	F..D.69	424.5	464.5	464.5	491.0	531.0	582.5	557.5	592.0
	F..D.79	436.5	472.5	472.5	499.0	539.0	590.5	565.5	590.5
	F..D.89	-	496.0	496.0	522.5	562.5	610.0	585.0	610.0
kB	F..D.39	453.0	498.0	498.0	534.5	574.5	634.5	604.0	629.0
	F..D.49	470.0	515.0	515.0	551.5	591.5	651.5	621.0	655.5
	F..D.69	479.5	524.5	524.5	561.0	601.0	661.0	630.5	665.0
	F..D.79	491.5	532.5	532.5	569.0	609.0	669.0	638.5	663.5
	F..D.89	-	556.0	556.0	592.5	632.5	688.5	658.0	683.0

Gearbox	a9	a10	c4	h	h4	o7	p3	x2	Torque arm	c	c6	d1	d5	d6	l1	l1x
F..D.39	158	31.5	12	79.0	113.0	172.0	258.0	14.5		3.8	min. 4	10.5	40	30	15	13.5
F..D.49	170	32.0	12	91.0	137.0	187.5	316.0	9.5		4.7	min. 6	12.5	50	40	20	18.5
F..D.69	198	41.0	14	100.5	138.0	207.5	326.5	18.0		5.1	min. 6	12.5	50	40	20	18.0
F..D.79	218	41.0	16	103.0	163.0	217.0	373.0	15.0		7.6	min. 6	12.5	50	40	20	17.5
F..D.89	278	50.0	20	132.5	203.5	276.0	468.0	13.0		6.2	min. 8	21.0	75	60	30	27.5

Hollow shaft	da to3	da to4	d7a	la	l11a	ua to5	ta	o9a
F.AD39	30 H7	30 h6	45	120	89	8 JS9	33.3	122
F.AD49	35 H7	35 h6	50	150	114	10 JS9	38.3	152
F.AD69	40 H7	40 h6	55	166	124	12 JS9	43.3	168
F.AD79	40 H7	40 h6	55	180	138	12 JS9	43.3	182
F.AD89	50 H7	50 h6	70	210	165	14 JS9	53.8	212

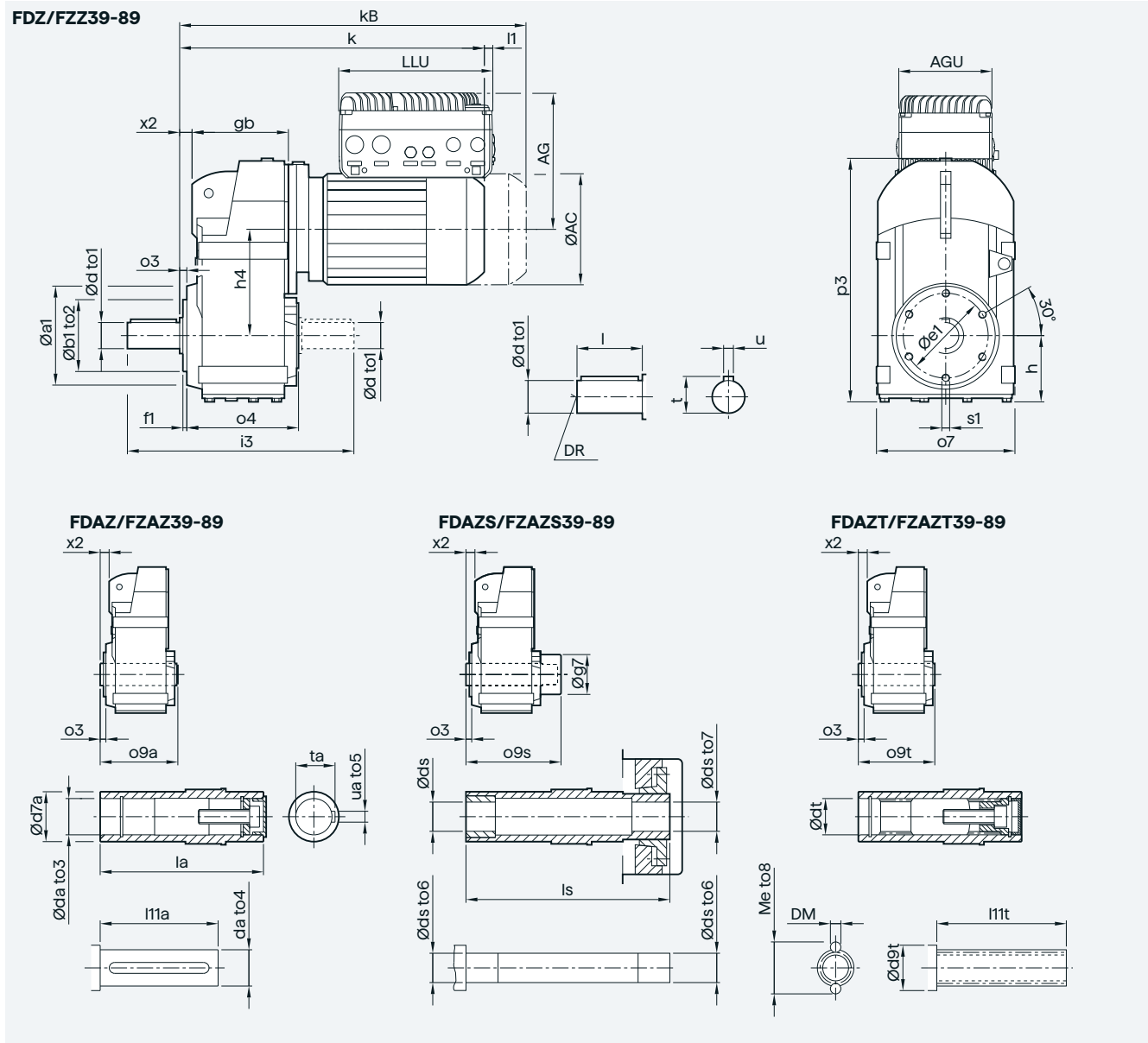
Shrink disk	ds	ds to6	ds to7	g7	ls	o9s
F.ADS39	30	30 h6	30 H7	76	143	149.5
F.ADS49	35	35 h6	35 H7	84	175	182.0
F.ADS69	40	40 h6	40 H7	84	192	198.0
F.ADS79	40	40 h6	40 H7	94	208	215.5
F.ADS89	50	50 h6	50 H7	119	240	247.5

Splined shaft	dt	d9t	DM	Me to8	l11t	o9t
F.ADT39	37	45	2.75	33.051 -0.039	84	120
F.ADT49	37	50	4.00	38.944 -0.045	114	150
F.ADT69	37	55	4.00	38.944 -0.045	129	166
F.ADT79	47	55	4.00	48.880 -0.047	129	180
F.ADT89	55	70	4.00	54.156 -0.049	159	210

Dimensional drawings

2- and 3-stage

Parallel shaft gearbox, gearbox size 39 to 89 - housing flange design



6

Innomotics SG G115D		Motor frame size							
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L	LE112M	LE112MC
AG	FSA	177.5	196.0	196.0	201.0	201.0	-	-	-
	FSB	-	-	-	206.0	206.0	217.5	228.5	228.5
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-	-	-
	FSB	-	-	-	180.0	180.0	180.0	180.0	180.0
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-	-	-
	FSB	-	-	-	286.0	286.0	286.0	286.0	286.0
I1	FSA	53.5	25.0	25.0	0.5	0.5	-	-	-
	FSB	-	-	-	27.0	27.0	5.0	-3.0	-3.0

Notes and standards for the dimensional drawings can be found from [page 6/2](#).

Parallel shaft gearbox, gearbox size 39 to 89 - housing flange design

Motor	Gearbox	Motor frame size							
		LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L	LE112M	LE112MC
AC	F..Z.39	138.8	156.3	156.3	173.8	173.8	198.0	222.0	222.0
	F..Z.49								
	F..Z.69								
	F..Z.79								
	F..Z.89	-							
k	F..Z.39	398.0	438.0	438.0	464.5	504.5	556.0	531.0	556.0
	F..Z.49	415.0	455.0	455.0	481.5	521.5	573.0	548.0	582.5
	F..Z.69	424.5	464.5	464.5	491.0	531.0	582.5	557.5	592.0
	F..Z.79	436.5	472.5	472.5	499.0	539.0	590.5	565.5	590.5
	F..Z.89	-	496.0	496.0	522.5	562.5	610.0	585.0	610.0
kB	F..Z.39	453.0	498.0	498.0	534.5	574.5	634.5	604.0	629.0
	F..Z.49	470.0	515.0	515.0	551.5	591.5	651.5	621.0	655.5
	F..Z.69	479.5	524.5	524.5	561.0	601.0	661.0	630.5	665.0
	F..Z.79	491.5	532.5	532.5	569.0	609.0	669.0	638.5	663.5
	F..Z.89	-	556.0	556.0	592.5	632.5	688.5	658.0	683.0

Gearbox	gb	h	h4	o3	o4	o7	p3	x2	Centering	a1	b1 to2	e1	f1	s1
F..Z.39	98.5	79.0	113.0	6.0	112.0	165	258.0	14.5		120	80 j6	100	4.0	M8x14
F..Z.49	130.0	91.0	137.0	7.0	141.0	180	316.0	9.5		133	95 j6	115	5.0	M10x17
F..Z.69	131.0	100.5	138.0	7.0	157.0	200	326.5	18.0		154	110 j6	130	5.0	M12x20
F..Z.79	148.0	103.0	163.0	7.5	170.0	212	373.0	15.0		154	110 j6	130	5.0	M12x20
F..Z.89	186.5	132.5	203.5	8.5	198.5	270	468.0	13.0		190	130 j6	165	5.5	M12x20

Solid shaft	d to1	l	t	u	DR	i3
F.Z39	25 k6	50	28.0	8	M10x22	220
F.Z49	30 k6	60	33.0	8	M10x22	270
F.Z69	35 k6	70	38.0	10	M12x28	306
F.Z79	40 k6	80	43.0	12	M16x36	340
F.Z89	50 k6	100	53.5	14	M16x36	410

Hollow shaft	da to3	da to4	d7a	la	l11a	ua to5	ta	o9a
F.AZ39	30 H7	30 h6	45	120	89	8 JS9	33.3	122
F.AZ49	35 H7	35 h6	50	150	114	10 JS9	38.3	152
F.AZ69	40 H7	40 h6	55	166	124	12 JS9	43.3	168
F.AZ79	40 H7	40 h6	55	180	138	12 JS9	43.3	182
F.AZ89	50 H7	50 h6	70	210	165	14 JS9	53.8	212

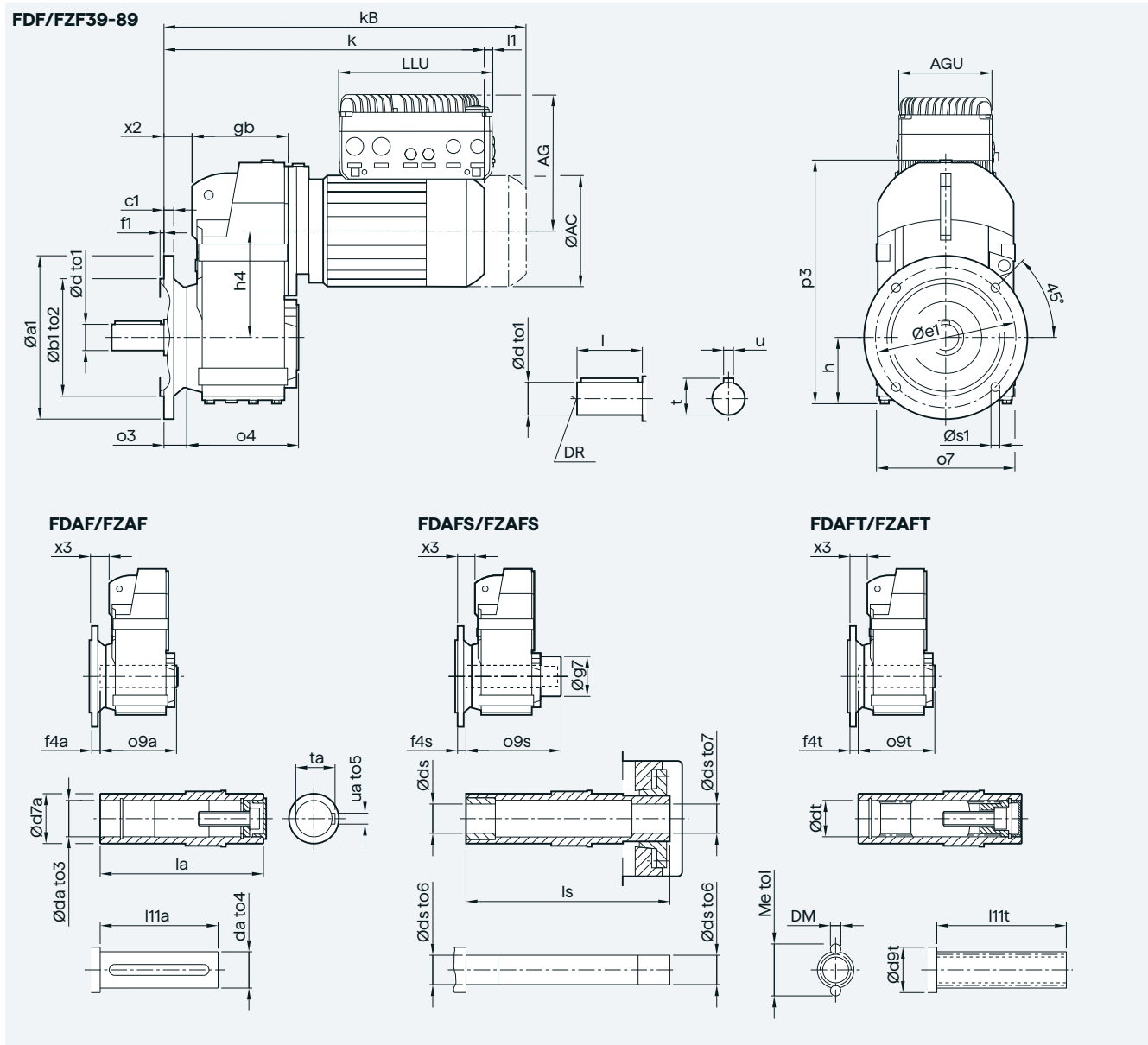
Shrink disk	ds	ds to6	ds to7	g7	ls	o9s
F.AZS39	30	30 h6	30 H7	76	143	149.5
F.AZS49	35	35 h6	35 H7	84	175	182.0
F.AZS69	40	40 h6	40 H7	84	192	198.0
F.AZS79	40	40 h6	40 H7	94	208	215.5
F.AZS89	50	50 h6	50 H7	119	240	247.5

Splined shaft	dt	d9t	DM	Me to8	l11t	o9t
F.AZT39	37	45	2.75	33.051 -0.039	84	120
F.AZT49	37	50	4.00	38.944 -0.045	114	150
F.AZT69	37	55	4.00	38.944 -0.045	129	166
F.AZT79	47	55	4.00	48.880 -0.047	129	180
F.AZT89	55	70	4.00	54.156 -0.049	159	210

Dimensional drawings

2- and 3-stage

Parallel shaft gearbox, gearbox size 39 to 89 - flange-mounted design



6

Innomotics SG G115D		Motor frame size							
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L	LE112M	LE112MC
AG	FSA	177.5	196.0	196.0	201.0	201.0	-	-	-
	FSB	-	-	-	206.0	206.0	217.5	228.5	228.5
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-	-	-
	FSB	-	-	-	180.0	180.0	180.0	180.0	180.0
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-	-	-
	FSB	-	-	-	286.0	286.0	286.0	286.0	286.0
l1	FSA	53.5	25.0	25.0	0.5	0.5	-	-	-
	FSB	-	-	-	27.0	27.0	5.0	-3.0	-3.0

Notes and standards for the dimensional drawings can be found from [page 6/2](#).

Parallel shaft gearbox, gearbox size 39 to 89 - flange-mounted design

Motor	Gearbox	Motor frame size							
		LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L	LE112M	LE112MC
AC	F..F.39	138.8	156.3	156.3	173.8	173.8	198.0	222.0	222.0
	F..F.49								
	F..F.69								
	F..F.79								
	F..F.89	-							
k	F..F.39	422.0	462.0	462.0	488.5	528.5	580.0	555.0	580.0
	F..F.49	434.0	485.0	485.0	511.5	551.5	603.0	578.0	612.5
	F..F.69	452.5	492.5	492.5	519.0	559.0	610.5	585.5	620.0
	F..F.79	464.5	500.5	500.5	527.0	567.0	618.5	593.5	618.5
	F..F.89	-	533.0	533.0	559.5	599.5	647.0	622.0	647.0
kB	F..F.39	477.0	522.0	522.0	588.5	598.5	658.5	628.0	653.0
	F..F.49	500.0	545.0	545.0	581.5	621.5	681.5	651.0	685.5
	F..F.69	507.5	552.5	552.5	589.0	629.0	689.0	658.5	693.0
	F..F.79	519.5	560.5	560.5	597.0	637.0	697.0	666.5	691.5
	F..F.89	-	593.0	593.0	629.5	669.5	725.5	695.0	720.0

Gearbox	gb	h	h4	o3	o4	o7	p3	x2	x3	Flange	a1	b1 to2	c1	e1	f1	s1
F..F.39	98.5	79.0	113.0	30.0	112.0	165	258.0	38.5	38.5		160	110 j6	10	130	3.5	9.0
F..F.49	130.0	91.0	137.0	37.0	141.0	180	316.0	39.5	34.5		200	130 j6	12	165	3.5	11.0
F..F.69	131.0	100.5	138.0	35.0	157.0	200	326.5	46.0	41.5		250	180 j6	15	215	4.0	13.5
F..F.79	148.0	103.0	163.0	35.0	170.0	212	373.0	43.0	38.0		250	180 j6	15	215	4.0	13.5
F..F.89	186.5	132.5	203.5	45.5	198.5	270	468.0	50.0	50.0		300	230 j6	16	265	4.0	13.5

Solid shaft	d to1	l	t	u	DR
F.F39	25 k6	50	28.0	8	M10x22
F.F49	30 k6	60	33.0	8	M10x22
F.F69	35 k6	70	38.0	10	M12x28
F.F79	40 k6	80	43.0	12	M16x36
F.F89	50 k6	100	53.5	14	M16x36

Hollow shaft	da to3	da to4	d7a	f4a	la	l11a	ua to5	ta	o9a
F.AF39	30 H7	30 h6	45	24.0	120	89	8 JS9	33.3	122
F.AF49	35 H7	35 h6	50	25.0	150	114	10 JS9	38.3	152
F.AF69	40 H7	40 h6	55	23.5	166	124	12 JS9	43.3	168
F.AF79	40 H7	40 h6	55	23.0	180	138	12 JS9	43.3	182
F.AF89	50 H7	50 h6	70	37.0	210	165	14 JS9	53.8	212

Shrink disk	ds	ds to6	ds to7	f4s	g7	ls	o9s
F.AFS39	30	30 h6	30 H7	24.0	76	143	149.5
F.AFS49	35	35 h6	35 H7	25.0	84	175	182.0
F.AFS69	40	40 h6	40 H7	23.5	84	192	198.0
F.AFS79	40	40 h6	40 H7	23.0	94	208	215.5
F.AFS89	50	50 h6	50 H7	37.0	119	240	247.5

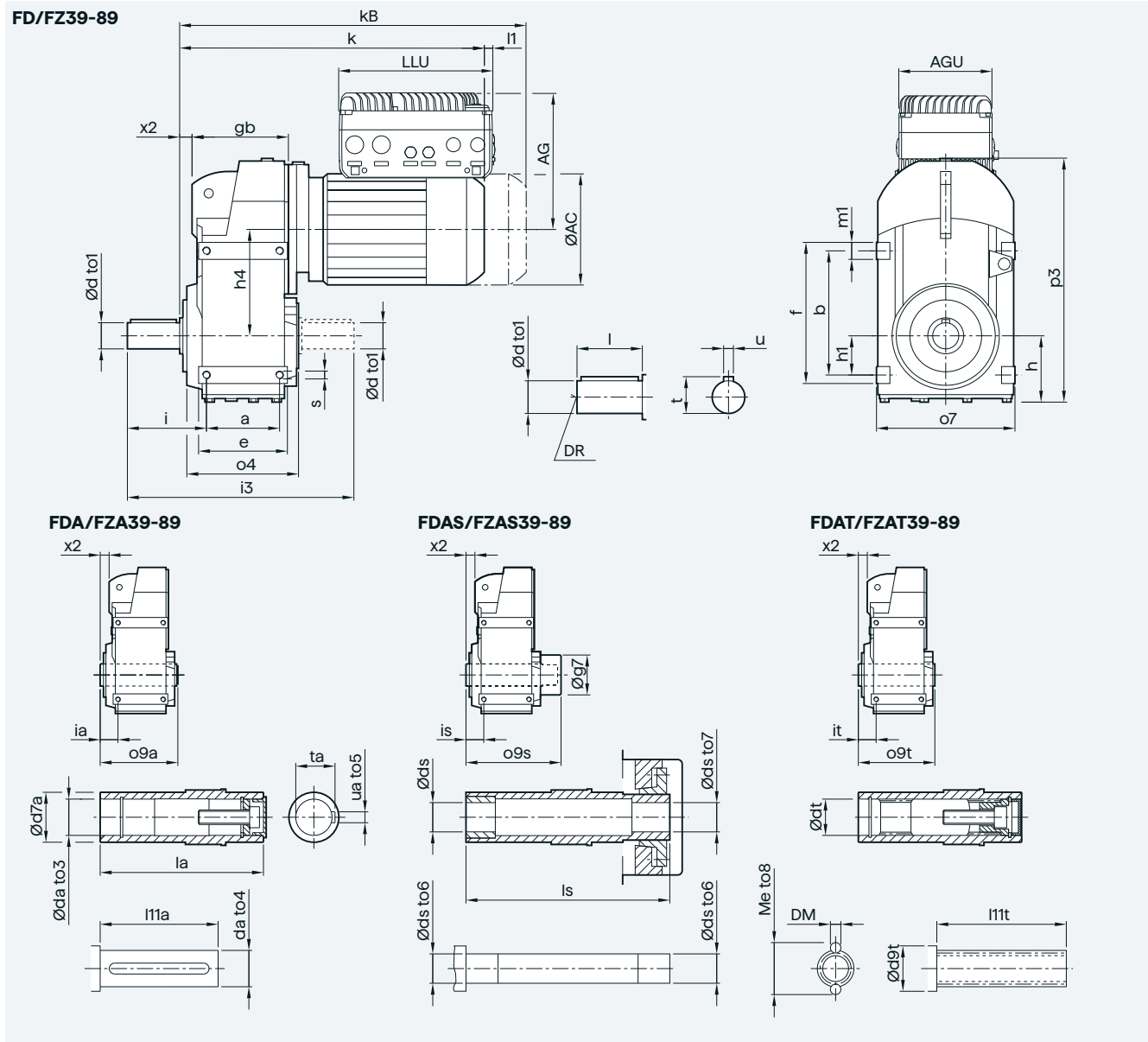
Splined shaft	dt	d9t	DM	f4t	Me to8	l11t	o9t
F.AFT39	37	45	2.75	24.0	33.051 -0.039	84	120
F.AFT49	37	50	4.00	25.0	38.944 -0.045	114	150
F.AFT69	37	55	4.00	23.5	38.944 -0.045	129	166
F.AFT79	47	55	4.00	23.0	48.880 -0.047	129	180
F.AFT89	55	70	4.00	37.0	54.156 -0.049	159	210

Notes and standards for the dimensional drawings can be found from [page 6/2](#).

Dimensional drawings

2- and 3-stage

Parallel shaft gearbox, gearbox size 39 to 89 - foot-mounted design



6

Innomatics SG G115D		Motor frame size							
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L	LE112M	LE112MC
AG	FSA	177.5	196.0	196.0	201.0	201.0	-	-	-
	FSB	-	-	-	206.0	206.0	217.5	228.5	228.5
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-	-	-
	FSB	-	-	-	180.0	180.0	180.0	180.0	180.0
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-	-	-
	FSB	-	-	-	286.0	286.0	286.0	286.0	286.0
l1	FSA	53.5	25.0	25.0	0.5	0.5	-	-	-
	FSB	-	-	-	27.0	27.0	5.0	-3.0	-3.0

Notes and standards for the dimensional drawings can be found from [page 6/2](#).

Parallel shaft gearbox, gearbox size 39 to 89 - foot-mounted design

Motor	Gearbox	Motor frame size							
		LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L	LE112M	LE112MC
AC	F...39	138.8	156.3	156.3	173.8	173.8	198.0	222.0	222.0
	F...49								
	F...69								
	F...79								
	F...89	-							
k	F...39	398.0	438.0	438.0	464.5	504.5	556.0	531.0	556.0
	F...49	415.0	455.0	455.0	481.5	521.5	573.0	548.0	582.5
	F...69	424.5	464.5	464.5	491.0	531.0	582.5	557.5	592.0
	F...79	436.5	472.5	472.5	499.0	539.0	590.5	565.5	590.5
	F...89	-	496.0	496.0	522.5	562.5	610.0	585.0	610.0
kB	F...39	453.0	498.0	498.0	534.5	574.5	634.5	604.0	629.0
	F...49	470.0	515.0	515.0	551.5	591.5	651.5	621.0	655.5
	F...69	479.5	524.5	524.5	561.0	601.0	661.0	630.5	665.0
	F...79	491.5	532.5	532.5	569.0	609.0	669.0	638.5	663.5
	F...89	-	556.0	556.0	592.5	632.5	688.5	658.0	683.0

Gearbox	a	b	e	f	gb	h	h1	h4	m1	o4	o7	p3	s	x2
F...39	77	115	95	135	98.5	79.0	31	113.0	20	112.0	165	258.0	M8x14	14.5
F...49	93	145	114	165	130.0	91.0	43	137.0	20	141.0	180	316.0	M10x17	9.5
F...69	102	170	126	197	131.0	100.5	55	138.0	27	157.0	200	326.5	M12x20	18.0
F...79	112	190	136	216	148.0	103.0	60	163.0	25	170.0	212	373.0	M12x20	15.0
F...89	140	240	168	275	186.5	132.5	70	203.5	35	198.5	270	468.0	M16x25	13.0

Solid shaft	d to1	l	t	u	DR	i	i3
F.39	25 k6	50	28.0	8	M10x22	72.5	220
F.49	30 k6	60	33.0	8	M10x22	91.0	270
F.69	35 k6	70	38.0	10	M12x28	103.5	306
F.79	40 k6	80	43.0	12	M16x36	117.5	340
F.89	50 k6	100	53.5	14	M16x36	136.5	410

Hollow shaft	da to3	da to4	d7a	la	l11a	ua to5	ta	ia	o9a
F.A39	30 H7	30 h6	45	120	89	8 JS9	33.3	22.5	122
F.A49	35 H7	35 h6	50	150	114	10 JS9	38.3	31.0	152
F.A69	40 H7	40 h6	55	166	124	12 JS9	43.3	33.5	168
F.A79	40 H7	40 h6	55	180	138	12 JS9	43.3	37.5	182
F.A89	50 H7	50 h6	70	210	165	14 JS9	53.8	36.5	212

Shrink disk	ds	ds to6	ds to7	g7	ls	is	o9s
F.AS39	30	30 h6	30 H7	76	143	22.5	149.5
F.AS49	35	35 h6	35 H7	84	175	31.0	182.0
F.AS69	40	40 h6	40 H7	84	192	33.5	198.0
F.AS79	40	40 h6	40 H7	94	208	37.5	215.5
F.AS89	50	50 h6	50 H7	119	240	36.5	247.5

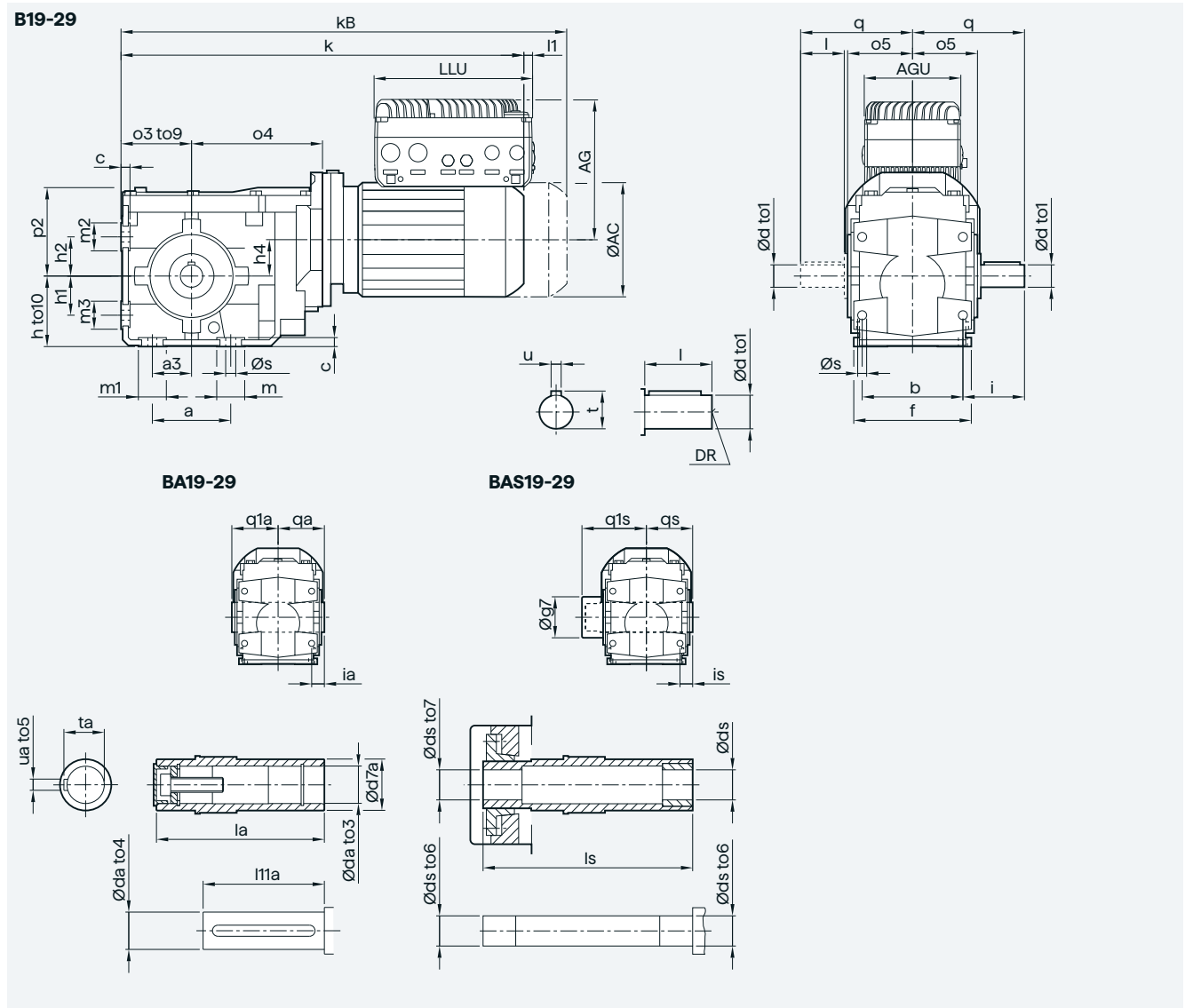
Splined shaft	dt	d9t	DM	Me to8	l11t	it	o9t
F.AT39	37	45	2.75	33.051 -0.039	84	22.5	120
F.AT49	37	50	4.00	38.944 -0.045	114	31.0	150
F.AT69	37	55	4.00	38.944 -0.045	129	33.5	166
F.AT79	47	55	4.00	48.880 -0.047	129	37.5	180
F.AT89	55	70	4.00	54.156 -0.049	159	36.5	210

Notes and standards for the dimensional drawings can be found from [page 6/2](#).

Dimensional drawings

2-stage

Bevel gearbox, gearbox size 19 and 29 - foot-mounted design



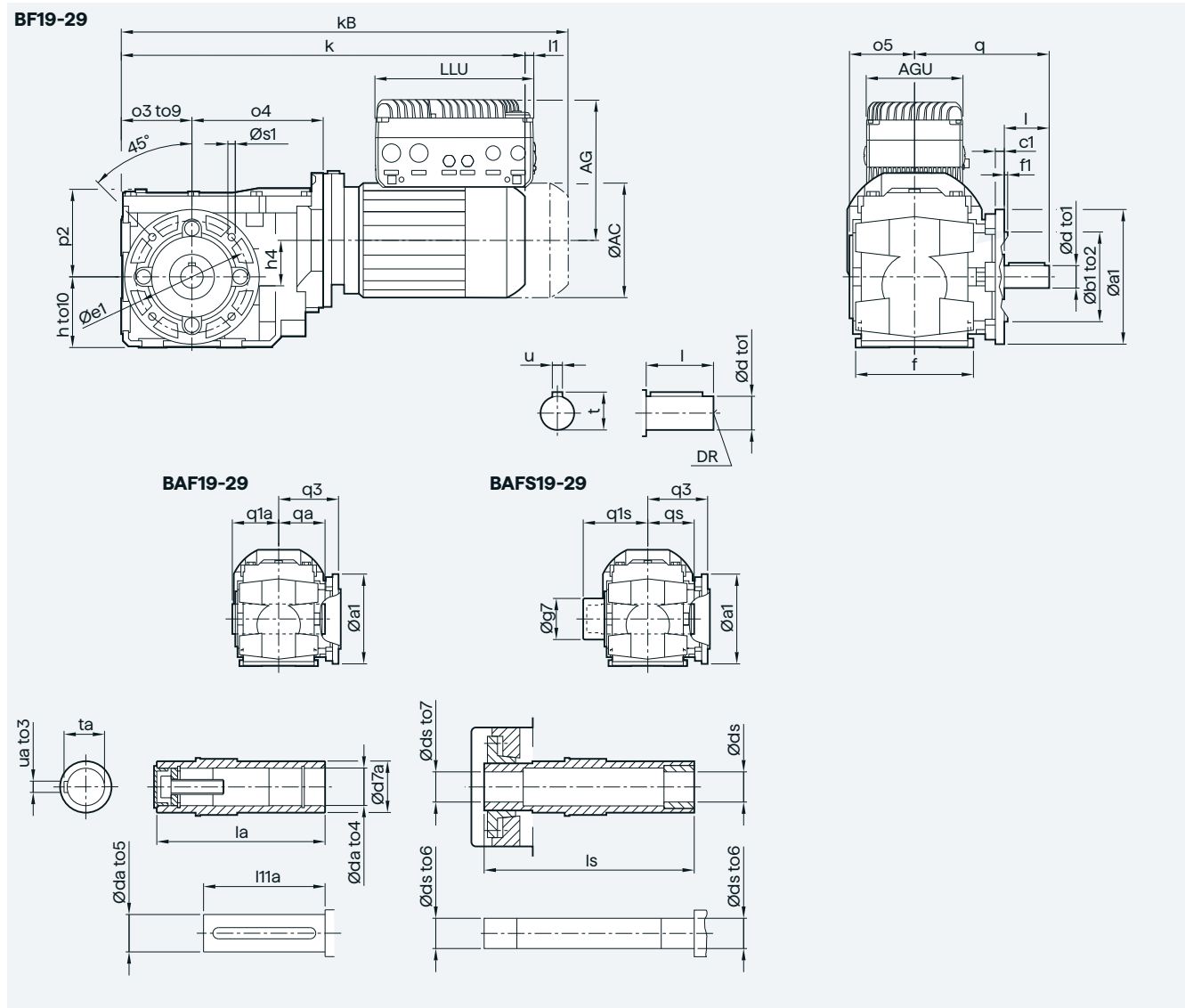
Bevel gearbox, gearbox size 19 and 29 - foot-mounted design

Innomotics SG G115D		Motor frame size															
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L										
AG	FSA	177.5	196.0	196.0	201.0	201.0	-										
	FSB	-	-	-	206.0	206.0	217.5										
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-										
	FSB	-	-	-	180.0	180.0	180.0										
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-										
	FSB	-	-	-	286.0	286.0	286.0										
lI	FSA	53.5	25.0	25.0	0.5	0.5	-										
	FSB	-	-	-	27.0	27.0	5.0										
Motor	Gearbox																
AC	B..19	138.8	156.3	156.3	-	-	-										
	B..29	138.8	156.3	156.3	173.8	173.8	198.0										
k	B..19	434.5	474.5	474.5	-	-	-										
	B..29	465.0	505.0	505.0	531.5	571.5	623.0										
kB	B..19	489.5	534.5	534.5	-	-	-										
	B..29	520.0	565.0	565.0	601.5	541.5	701.5										
o4	B..19	141.0	149.5	149.5	-	-	-										
	B..29	117.0	117.0	117.0	117.0	117.0	117.0										
Gearbox	a	a3	b	c	f	h to10	h1	h2	h4	m	m1	m2	m3	o3 to9	o5	p2	s
B..19	60	30	75	7	90	50 -0.5	30	30	31.0	19.5	19.5	20.0	20.0	50 -0.5	47.5	69	6.6
B..29	70	35	90	8	105	63 -0.5	35	35	32.5	25.0	25.0	25.0	25.0	63 -0.5	58.0	79	9.0
Solid shaft	d to1	l	t	u	DR	q	i										
B19	20 k6	40	22.5	6	M6x16	90	52.5										
B29	20 k6	40	22.5	6	M6x16	100	55.0										
Hollow shaft	da to3	da to4	d7a	la	l11a	ta	ua to5	ia	q1a	qa							
BA19	20 H7	20 h6	30	100	72	22.8	6 JS9	12.5	52	50							
BA29	20 H7	25 h6	40	120	93	22.8	6 JS9	15.0	62	60							
	25 H7	25 h6	40	120	93	28.3	8 JS9	15.0	62	60							
Shrink disk	ds	ds to6	ds to7	g7	ls	is	q1s	qs									
BAS19	20	20 h6	20 H7	55	119	12.5	75	50									
BAS29	20	20 h6	20 H7	55	139	15.0	85	60									

Dimensional drawings

2-stage

Bevel gearbox, gearbox size 19 and 29 - flange-mounted design



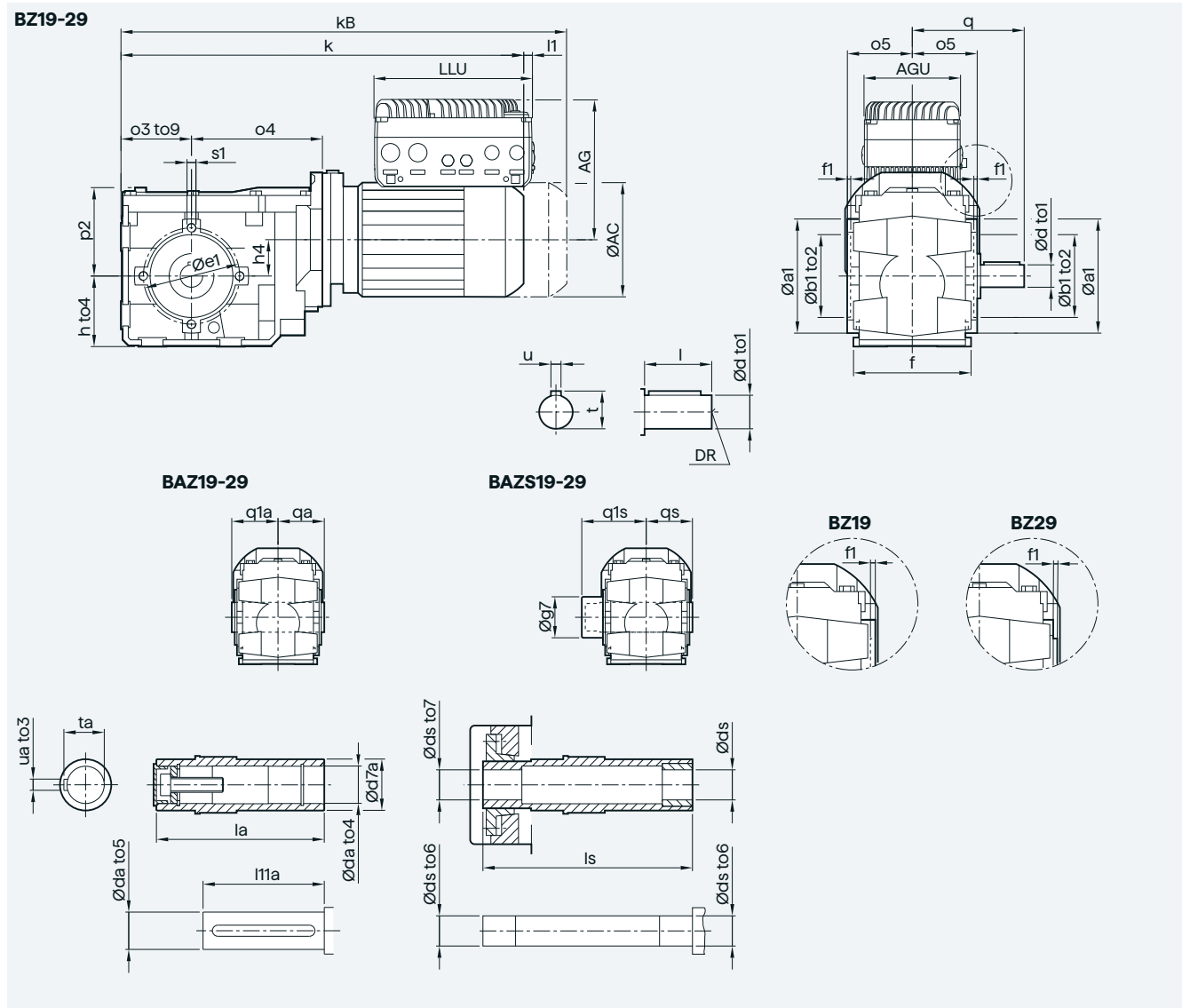
Bevel gearbox, gearbox size 19 and 29 - flange-mounted design

Innomotics SG G115D		Motor frame size												
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L							
AG	FSA	177.5	196.0	196.0	201.0	201.0	-							
	FSB	-	-	-	206.0	206.0	217.5							
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-							
	FSB	-	-	-	180.0	180.0	180.0							
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-							
	FSB	-	-	-	286.0	286.0	286.0							
l1	FSA	53.5	25.0	25.0	0.5	0.5	-							
	FSB	-	-	-	27.0	27.0	5.0							
Motor	Gearbox													
AC	B.F.19	138.8	156.3	156.3	-	-	-							
	B.F.29	138.8	156.3	156.3	173.8	173.8	198.0							
k	B.F.19	434.5	474.5	474.5	-	-	-							
	B.F.29	465.0	505.0	505.0	531.5	571.5	623.0							
kB	B.F.19	489.5	534.5	534.5	-	-	-							
	B.F.29	520.0	565.0	565.0	601.5	541.5	701.5							
o4	B.F.19	141.0	149.5	149.5	-	-	-							
	B.F.29	117.0	117.0	117.0	117.0	117.0	117.0							
Gearbox	f	h to10	h4	o3 to9	o5	p2	Flange	a1	b1 to2	c1	e1	f1	s1	q3
B.F.19	90	50 -0.5	31.0	50 -0.5	47.5	70.5		120	80 j6	8	100	3.0	6.6	80
B.F.29	105	63 -0.5	32.5	63 -0.5	58.0	79.0		120	80 j6	8	100	3.0	6.6	80
								160	110 j6	9	130	3.5	9.0	80
Solid shaft	d to1		l		t		u		DR		q			
BF19	20 k6		40		22.5		6		M6x16		120			
BF29	20 k6		40		22.5		6		M6x16		120			
Hollow shaft	da to3	da to4	d7a	la	l11a	ta	ua to5	q1a	qa					
BAF19	20 H7	20 h6	30	100	72	22.8	6 JS9	52	50					
BAF29	20 H7	25 h6	40	120	93	22.8	6 JS9	62	60					
	25 H7	25 h6	40	120	93	28.3	8 JS9	62	60					
Shrink disk	ds	ds to6	ds to7	g7	ls	q1s	qs							
BAFS19	20	20 h6	20 H7	55	119	75	50							
BAFS29	20	20 h6	20 H7	55	139	85	60							

Dimensional drawings

2-stage

Bevel gearbox, gearbox size 19 and 29 - housing flange design



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Notes and standards for the dimensional drawings can be found from [page 6/2](#).

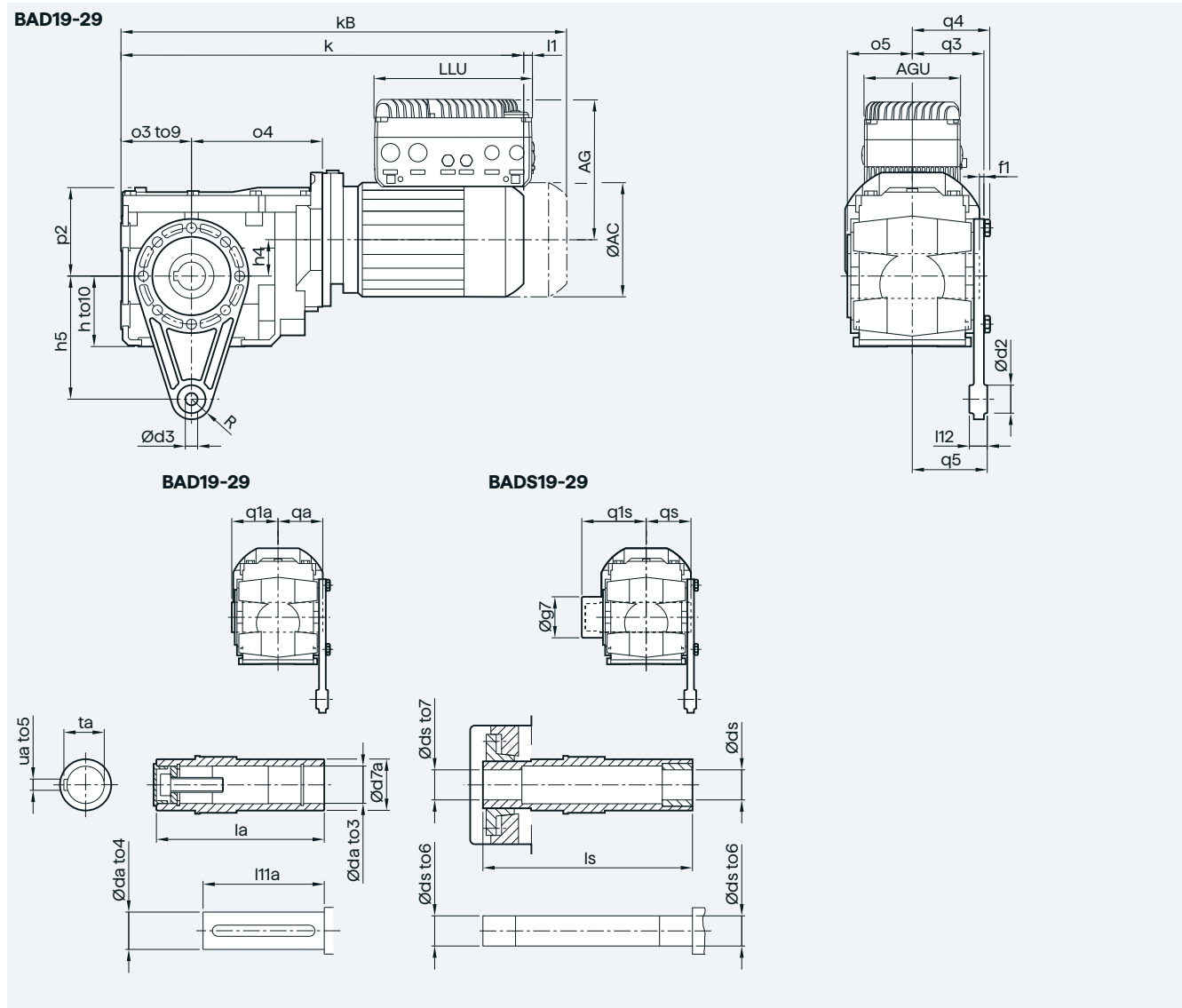
Bevel gearbox, gearbox size 19 and 29 - housing flange design

Innomotics SG G115D		Motor frame size										
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L					
AG	FSA	177.5	196.0	196.0	201.0	201.0	-					
	FSB	-	-	-	206.0	206.0	217.5					
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-					
	FSB	-	-	-	180.0	180.0	180.0					
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-					
	FSB	-	-	-	286.0	286.0	286.0					
II	FSA	53.5	25.0	25.0	0.5	0.5	-					
	FSB	-	-	-	27.0	27.0	5.0					
Motor	Gearbox											
AC	B.Z.19	138.8	156.3	156.3	-	-	-					
	B.Z.29	138.8	156.3	156.3	173.8	173.8	198.0					
k	B.Z.19	434.5	474.5	474.5	-	-	-					
	B.Z.29	465.0	505.0	505.0	531.5	571.5	623.0					
kB	B.Z.19	489.5	534.5	534.5	-	-	-					
	B.Z.29	520.0	565.0	565.0	601.5	541.5	701.5					
o4	B.Z.19	141.0	149.5	149.5	-	-	-					
	B.Z.29	117.0	117.0	117.0	117.0	117.0	117.0					
Gearbox	f	h to10	h4	o3 to9	o5	p2	Centering	a1	b1 to2	e1	f1	s1
B.Z.19	90	50 -0.5	31.0	50 -0.5	47.5	69		82	57 J7	70	3	M6x12
B.Z.29	105	63 -0.5	32.5	63 -0.5	58.0	79		102	74 j6	86	3	M8x20
Solid shaft	d to1	l	t	u	DR	q						
BZ19	20 k6	40	22.5	6	M6x16	90						
BZ29	20 k6	40	22.5	6	M6x16	100						
Hollow shaft	da to3	da to4	d7a	la	l11a	ta	ua to5	q1a	qa			
BAZ19	20 H7	20 h6	30	100	72	22.8	6 JS9	52	50			
BAF29	20 H7	25 h6	40	120	93	22.8	6 JS9	62	60			
	25 H7	25 h6	40	120	93	28.3	8 JS9	62	60			
Shrink disk	ds	ds to6	ds to7	g7	ls	q1s	qs					
BAZS19	20	20 h6	20 H7	55	119	75	50					
BAZS29	20	20 h6	20 H7	55	139	85	60					

Dimensional drawings

2-stage

Bevel gearbox, gearbox size 19 and 29 - shaft-mounted design



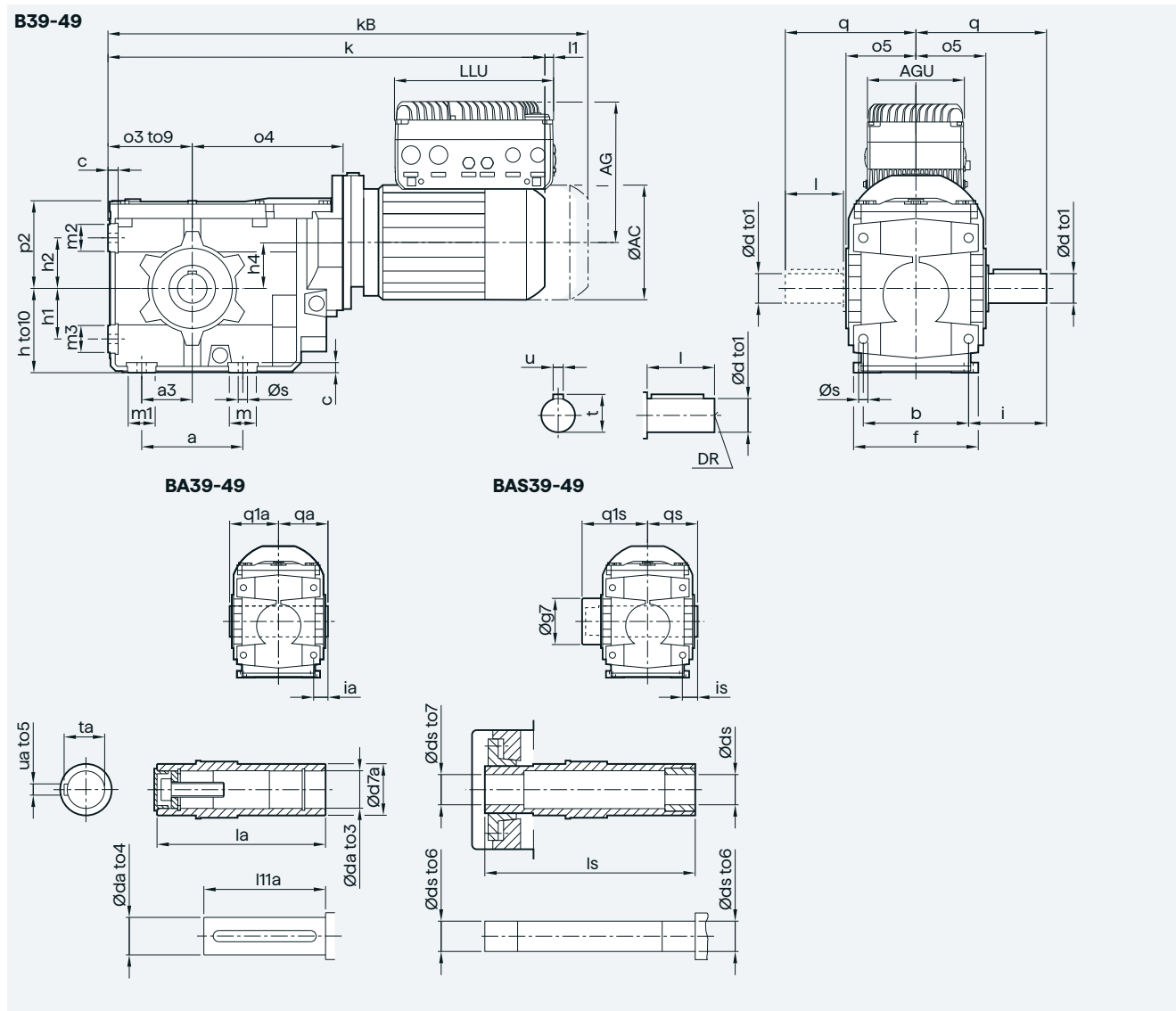
Bevel gearbox, gearbox size 19 and 29 - shaft-mounted design

Innomotics SG G115D		Motor frame size																
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L											
AG	FSA	177.5	196.0	196.0	201.0	201.0	-											
	FSB	-	-	-	206.0	206.0	217.5											
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-											
	FSB	-	-	-	180.0	180.0	180.0											
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-											
	FSB	-	-	-	286.0	286.0	286.0											
II	FSA	53.5	25.0	25.0	0.5	0.5	-											
	FSB	-	-	-	27.0	27.0	5.0											
Motor	Gearbox																	
AC	BAD.19	138.8	156.3	156.3	-	-	-											
	BAD.29	138.8	156.3	156.3	173.8	173.8	198.0											
k	BAD.19	434.5	474.5	474.5	-	-	-											
	BAD.29	465.0	505.0	505.0	531.5	571.5	623.0											
kB	BAD.19	489.5	534.5	534.5	-	-	-											
	BAD.29	520.0	565.0	565.0	601.5	541.5	701.5											
o4	BAD.19	141.0	149.5	149.5	-	-	-											
	BAD.29	117.0	117.0	117.0	117.0	117.0	117.0											
Gearbox	h to10	h4	o3 to9	o5	p2	Torque arm	d2	d3	f1	h5	l12	q3	q4	q5	R			
BAD.19	50 -0.5	31.0	50 -0.5	47.5	70.5		20	9	1.5	100	12	51.5	55.5	55.5	15			
BAD.29	63 -0.5	32.5	63 -0.5	58.0	79.0		25	11	1.0	110	13	61.0	65.5	64.0	20			
Hollow shaft	da to3	da to4	d7a	la	l11a	ta	ua to5	ia	q1a	qa								
BAD19	20 H7	20 h6	30	100	72	22.8	6 JS9	12.5	52	50								
BAD29	20 H7	25 h6	40	120	93	22.8	6 JS9	15.0	62	60								
	25 H7	25 h6	40	120	93	28.3	8 JS9	15.0	62	60								
Shrink disk	ds	ds to6	ds to7	g7	ls	is	q1s	qs										
BADS19	20	20 h6	20 H7	55	119	12.5	75	50										
BADS29	20	20 h6	20 H7	55	139	15.0	85	60										

Dimensional drawings

2-stage

Bevel gearbox, gearbox size 39 and 49 - foot-mounted design



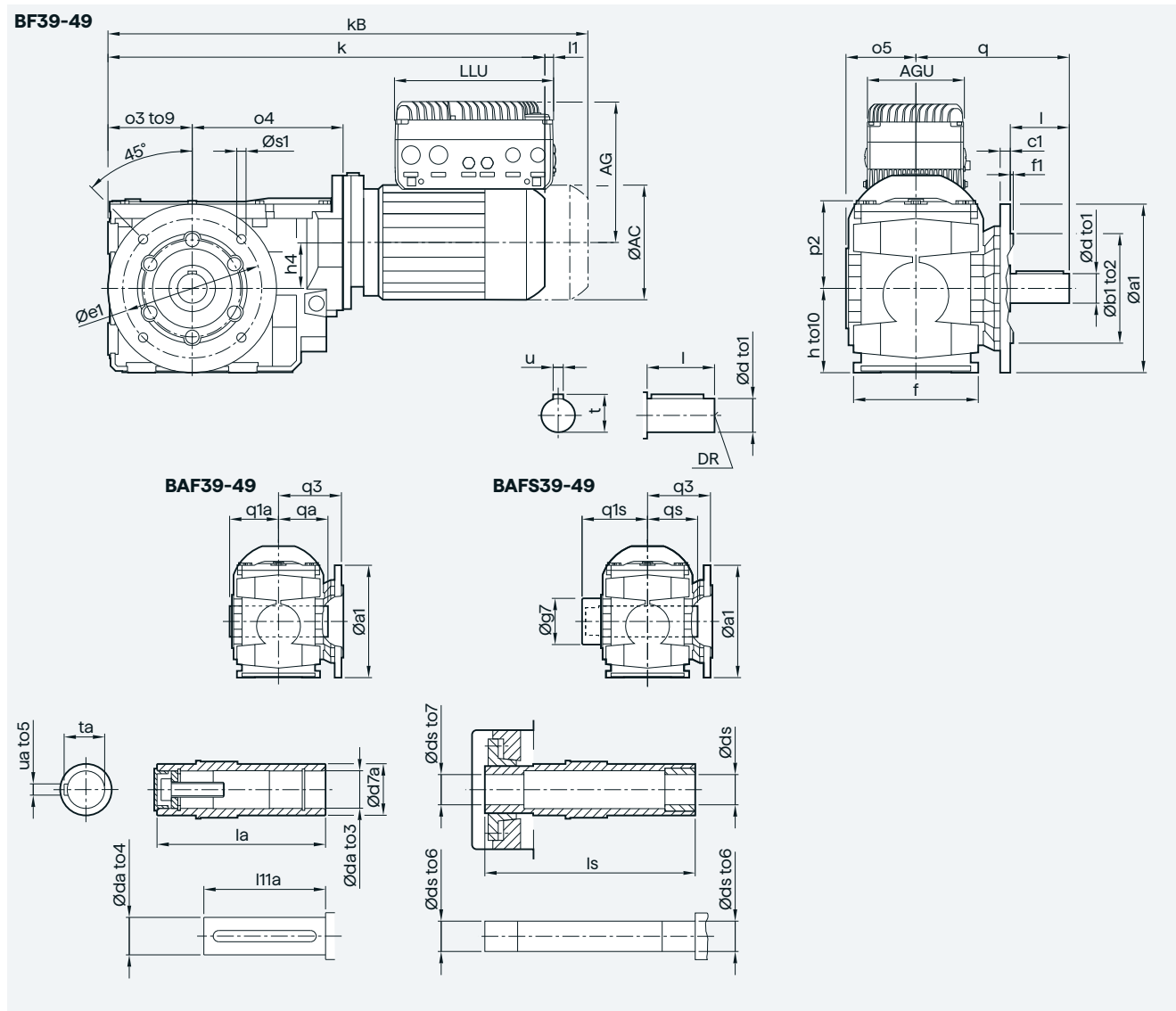
Bevel gearbox, gearbox size 39 and 49 - foot-mounted design

Innomotics SG G115D		Motor frame size																
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L	LE112M	LE112MC									
AG	FSA	177.5	196.0	196.0	201.0	201.0	-	-	-									
	FSB	-	-	-	206.0	206.0	217.5	228.5	228.5									
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-	-	-									
	FSB	-	-	-	180.0	180.0	180.0	180.0	180.0									
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-	-	-									
	FSB	-	-	-	286.0	286.0	286.0	286.0	286.0									
lI	FSA	53.5	25.0	25.0	0.5	0.5	-	-	-									
	FSB	-	-	-	27.0	27.0	5.0	-3.0	-3.0									
Motor	Gearbox																	
AC	B..39	138.8	156.3	156.3	173.8	173.8	198.0	222.0	222.0									
	B..49																	
k	B..39	513.0	553.0	553.0	579.5	619.5	671.0	646.0	671.0									
	B..49	554.5	594.5	594.5	621.0	661.0	712.5	687.5	722.0									
kB	B..39	568.0	613.0	613.0	649.5	689.5	749.5	719.0	744.0									
	B..49	609.5	654.5	654.5	691.0	731.0	791.0	760.5	795.0									
Gearbox	a	a3	b	c	f	h to10	h1	h2	h4	m	m1	m2	m3	o3 to9	o4	o5	p2	s
B..39	100	50	100	11	120	80 -0.5	50	50	40	30	29	30	29	80 -0.5	148	68	90	9
B..49	120	60	125	12	148	100 -0.5	60	60	54	32	32	32	32	100 -0.5	179	83	104	11
Solid shaft	d to1	l		t		u		DR		q		i						
B39	30 k6	60		33		8		M10x22		130		80.0						
B49	35 k6	70		38		10		M12x28		155		92.5						
Hollow shaft	da to3	da to4	d7a	la	l11a	ta	ua to5	ia	q1a	qa								
BA39	30 H7	30 h6	55	140	106	33.3	8 JS9	20.0	72	70								
	35 H7	35 h6	55	140	106	38.3	10 JS9	20.0	72	70								
	40 H7	40 h6	55	140	106	43.3	12 JS9	20.0	72	70								
BA49	35 H7	35 h6	55	170	115	38.3	10 JS9	22.5	87	85								
	40 H7	40 h6	55	170	115	43.3	12 JS9	22.5	87	85								
Shrink disk	ds	ds to6		ds to7		g7	ls	is	q1s	qs								
BAS39	35	35 h6		35 H7		84	165	20.0	102	70								
BAS49	40	40 h6		40 H7		84	196	22.5	117	85								

Dimensional drawings

2-stage

Bevel gearbox, gearbox size 39 and 49 - flange-mounted design



Bevel gearbox, gearbox size 39 and 49 - flange-mounted design

Innomotics SG G115D		Motor frame size							
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L	LE112M	LE112MC
AG	FSA	177.5	196.0	196.0	201.0	201.0	-	-	-
	FSB	-	-	-	206.0	206.0	217.5	228.5	228.5
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-	-	-
	FSB	-	-	-	180.0	180.0	180.0	180.0	180.0
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-	-	-
	FSB	-	-	-	286.0	286.0	286.0	286.0	286.0
II	FSA	53.5	25.0	25.0	0.5	0.5	-	-	-
	FSB	-	-	-	27.0	27.0	5.0	-3.0	-3.0
Motor	Gearbox								
AC	B..39	138.8	156.3	156.3	173.8	173.8	198.0	222.0	222.0
	B..49								
k	B..39	513.0	553.0	553.0	579.5	619.5	671.0	646.0	671.0
	B..49	554.5	594.5	594.5	621.0	661.0	712.5	687.5	722.0
kB	B..39	568.0	613.0	613.0	649.5	689.5	749.5	719.0	744.0
	B..49	609.5	654.5	654.5	691.0	731.0	791.0	760.5	795.0

Gearbox	f	h to10	h4	o3 to9	o4	o5	p2	Flange	a1	b1 to2	c1	e1	f1	s1	q3
B.F.39	120	80 -0.5	40	80 -0.5	148	68	90		160	110 j6	10	130	3.5	9	97
									200	130 j6	12	165	3.5	11	97
B.F.49	148	100 -0.5	54	100 -0.5	179	83	104		200	130 j6	12	165	3.5	11	112

Solid shaft	d to1	l	t	u	DR	q
B.F.39	30 k6	60	33	8	M10x22	157
B.F.49	35 k6	70	38	10	M12x28	182

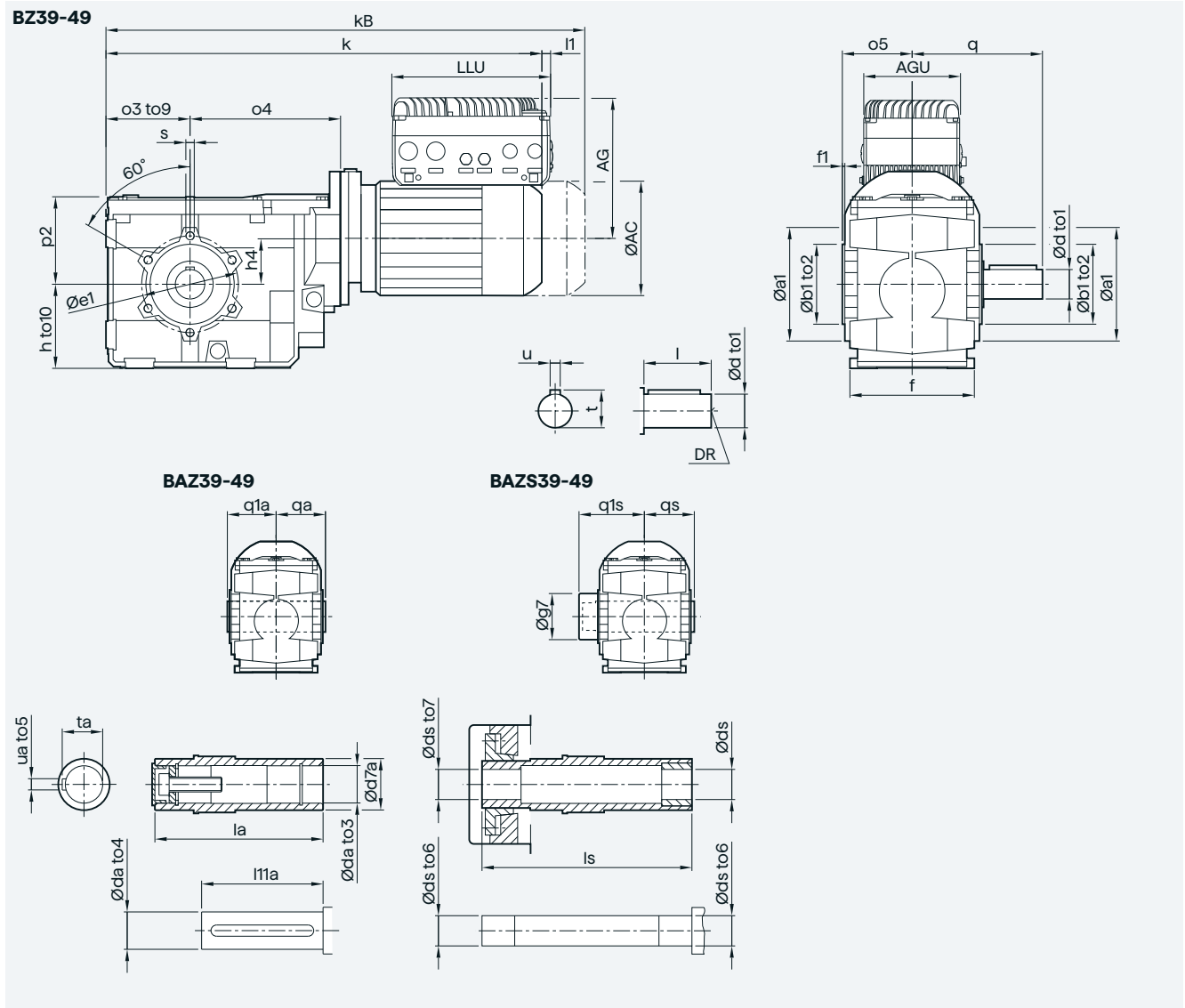
Hollow shaft	da to3	da to4	d7a	la	l11a	ta	ua to5	q1a	qa
BAF39	30 H7	30 h6	55	140	106	33.3	8 JS9	72	70
	35 H7	35 h6	55	140	106	38.3	10 JS9	72	70
	40 H7	40 h6	55	140	106	43.3	12 JS9	72	70
BAF49	35 H7	35 h6	55	170	115	38.3	10 JS9	87	85
	40 H7	40 h6	55	170	115	43.3	12 JS9	87	85

Shrink disk	ds	ds to6	ds to7	g7	ls	q1s	qs
BAFS39	35	35 h6	35 H7	84	165	102	70
BAFS49	40	40 h6	40 H7	84	196	117	85

Dimensional drawings

2-stage

Bevel gearbox, gearbox size 39 and 49 - housing flange design



Bevel gearbox, gearbox size 39 and 49 - housing flange design

Innomotics SG G115D		Motor frame size							
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L	LE112M	LE112MC
AG	FSA	177.5	196.0	196.0	201.0	201.0	-	-	-
	FSB	-	-	-	206.0	206.0	217.5	228.5	228.5
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-	-	-
	FSB	-	-	-	180.0	180.0	180.0	180.0	180.0
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-	-	-
	FSB	-	-	-	286.0	286.0	286.0	286.0	286.0
lI	FSA	53.5	25.0	25.0	0.5	0.5	-	-	-
	FSB	-	-	-	27.0	27.0	5.0	-3.0	-3.0
Motor	Gearbox								
AC	B.Z.39	138.8	156.3	156.3	173.8	173.8	198.0	222.0	222.0
	B.Z.49								
k	B.Z.39	513.0	553.0	553.0	579.5	619.5	671.0	646.0	671.0
	B.Z.49	554.5	594.5	594.5	621.0	661.0	712.5	687.5	722.0
kB	B.Z.39	568.0	613.0	613.0	649.5	689.5	749.5	719.0	744.0
	B.Z.49	609.5	654.5	654.5	691.0	731.0	791.0	760.5	795.0

Gearbox	f	h to10	h4	o3 to9	o4	o5	p2	Centering	a1	b1 to2	e1	f1	s1
B.Z.39	120	80 -0.5	40	80 -0.5	148	68	90		135	95 j6	115	3	M10x20
B.Z.49	148	100 -0.5	54	100 -0.5	179	83	104		135	95 j6	115	3	M10x20

Solid shaft	d to1	l	t	u	DR	q
B.Z.39	30 k6	60	33	8	M10x22	130
B.Z.49	35 k6	70	38	10	M12x28	155

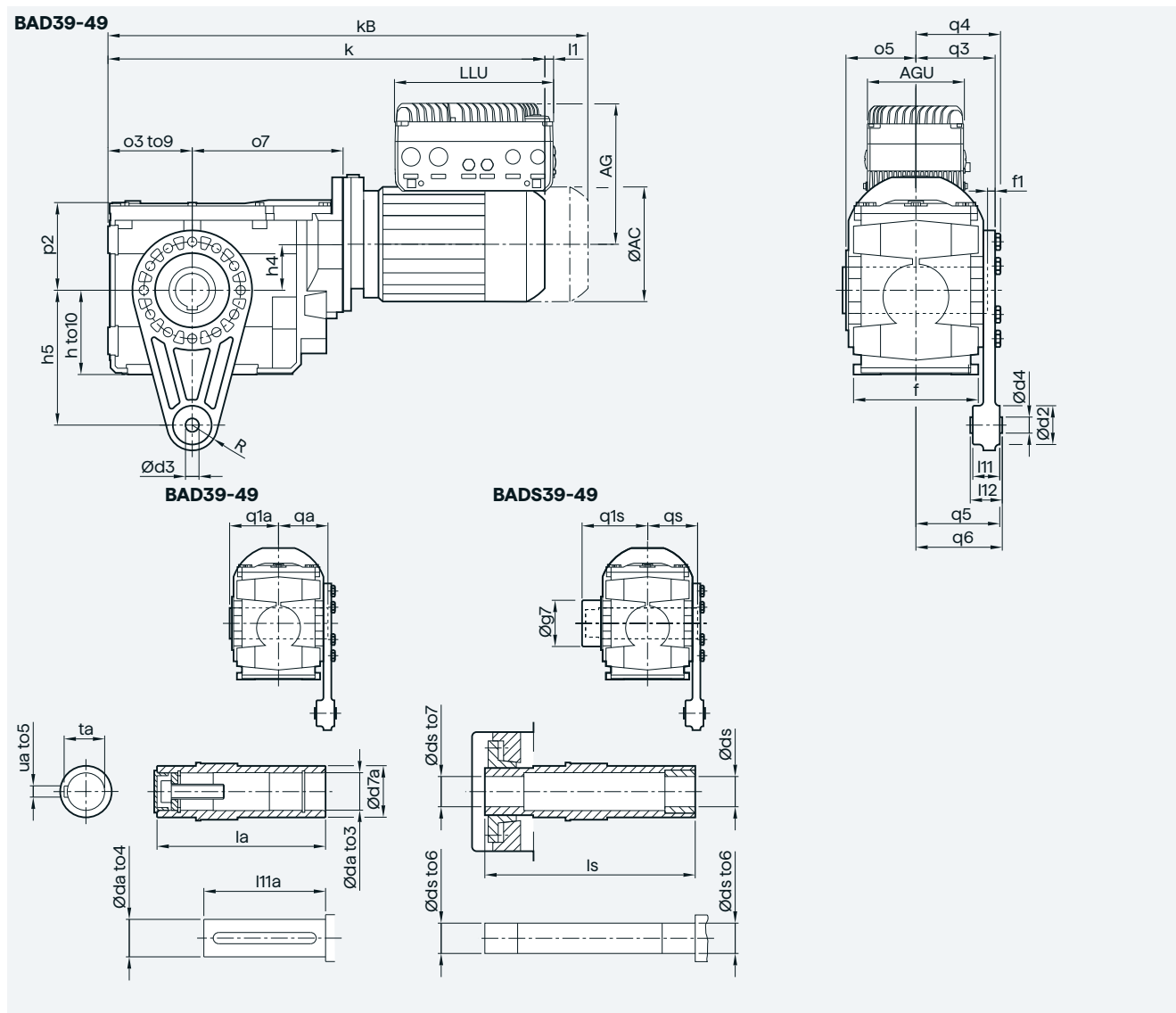
Hollow shaft	da to3	da to4	d7a	la	l1a	ta	ua to5	q1a	qa
BAZ39	30 H7	30 h6	55	140	106	33.3	8 JS9	72	70
	35 H7	35 h6	55	140	106	38.3	10 JS9	72	70
	40 H7	40 h6	55	140	106	43.3	12 JS9	72	70
BAZ49	35 H7	35 h6	55	170	115	38.3	10 JS9	87	85
	40 H7	40 h6	55	170	115	43.3	12 JS9	87	85

Shrink disk	ds	ds to6	ds to7	g7	ls	q1s	qs
BAZS39	35	35 h6	35 H7	84	165	102	70
BAZS49	40	40 h6	40 H7	84	196	117	85

Dimensional drawings

2-stage

Bevel gearbox, gearbox size 39 and 49 - shaft-mounted design



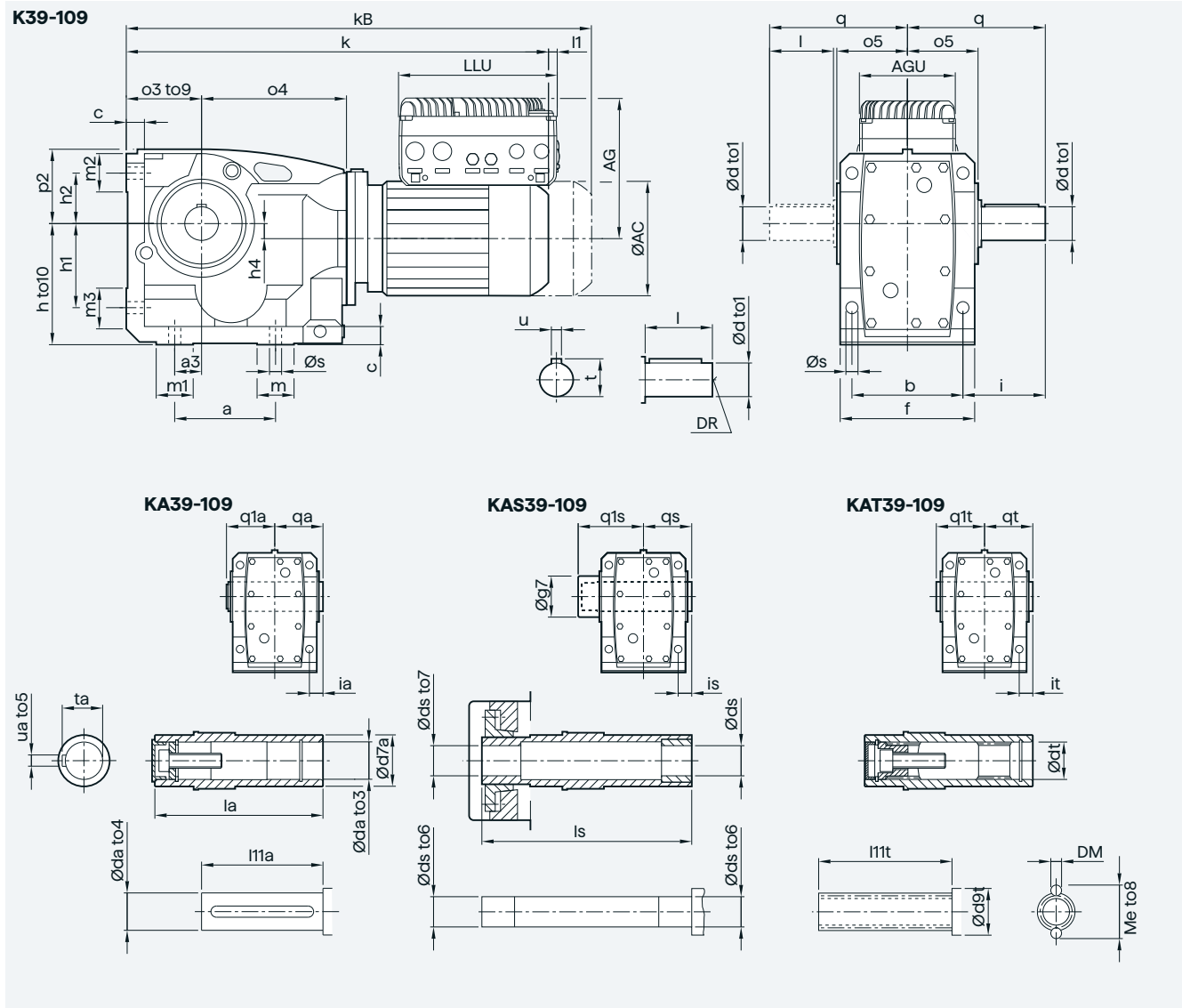
Bevel gearbox, gearbox size 39 and 49 - shaft-mounted design

Innomotics SG G115D		Motor frame size										
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L	LE112M	LE112MC			
AG	FSA	177.5	196.0	196.0	201.0	201.0	-	-	-			
	FSB	-	-	-	206.0	206.0	217.5	228.5	228.5			
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-	-	-			
	FSB	-	-	-	180.0	180.0	180.0	180.0	180.0			
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-	-	-			
	FSB	-	-	-	286.0	286.0	286.0	286.0	286.0			
lI	FSA	53.5	25.0	25.0	0.5	0.5	-	-	-			
	FSB	-	-	-	27.0	27.0	5.0	-3.0	-3.0			
Motor	Gearbox											
AC	BAD.39	138.8	156.3	156.3	173.8	173.8	198.0	222.0	222.0			
	BAD.49											
k	BAD.39	513.0	553.0	553.0	579.5	619.5	671.0	646.0	671.0			
	BAD.49	554.5	594.5	594.5	621.0	661.0	712.5	687.5	722.0			
kB	BAD.39	568.0	613.0	613.0	649.5	689.5	749.5	719.0	744.0			
	BAD.49	609.5	654.5	654.5	691.0	731.0	791.0	760.5	795.0			
Gearbox	f	h to10	h4	o3 to9	o5	o7	p2					
BAD.39	148	80 -0.5	40	80 -0.5	68	148	90					
BAD.49	120	100 -0.5	54	100 -0.5	83	179	104					
Torque arm	d2	d3	d4	f1	h5	l11	l12	q3	q4	q5	q6	R
BAD.39	46	16	19	9	160	32	38	79	85.5	84.5	87.5	30
BAD.49	46	16	19	9	160	32	38	94	100.5	99.5	102.5	30
Hollow shaft	da to3	da to4	d7a	la	l11a	ta	ua to5	q1a	qa			
BAD39	30 H7	30 h6	55	140	106	33.3	8 JS9	72	70			
	35 H7	35 h6	55	140	106	38.3	10 JS9	72	70			
	40 H7	40 h6	55	140	106	43.3	12 JS9	72	70			
BAD49	35 H7	35 h6	55	170	115	38.3	10 JS9	87	85			
	40 H7	40 h6	55	170	115	43.3	12 JS9	87	85			
Shrink disk	ds	ds to6	ds to7	g7	ls	q1s	qs					
BADS39	35	35 h6	35 H7	84	165	102	70					
BADS49	40	40 h6	40 H7	84	196	117	85					

Dimensional drawings

3-stage

Bevel gearbox, gearbox size 39 to 109 - foot-mounted design



6

Innomotics SG G115D		Motor frame size								
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L	LE112M	LE112MC	
AG	FSA	177.5	196.0	196.0	201.0	201.0	-	-	-	
	FSB	-	-	-	206.0	206.0	217.5	228.5	228.5	
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-	-	-	
	FSB	-	-	-	180.0	180.0	180.0	180.0	180.0	
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-	-	-	
	FSB	-	-	-	286.0	286.0	286.0	286.0	286.0	
l1	FSA	53.5	25.0	25.0	0.5	0.5	-	-	-	
	FSB	-	-	-	27.0	27.0	5.0	-3.0	-3.0	
Motor	Gearbox	K..39	138.8	156.3	156.3	173.8	173.8	198.0	222.0	222.0
		K..49	-	-	-	-	-	-	-	-
		K..69	-	-	-	-	-	-	-	-
		K..79	-	-	-	-	-	-	-	-
		K..89	-	-	-	-	-	-	-	-
		K..109	-	-	-	-	-	-	-	-

Notes and standards for the dimensional drawings can be found from [page 6/2](#).

Bevel gearbox, gearbox size 39 to 109 - foot-mounted design

Motor	Gearbox	Motor frame size							
		LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L	LE112M	LE112MC
k	K..39	483.0	523.0	523.0	549.5	589.5	641.0	616.0	641.0
	K..49	504.5	544.5	544.5	571.0	611.0	662.5	637.5	672.0
	K..69	528.5	568.5	568.5	595.0	635.0	686.5	661.5	696.0
	K..79	545.5	585.5	585.5	612.0	652.0	703.5	678.5	713.0
	K..89	597.0	633.0	633.0	659.5	699.5	751.0	726.0	751.0
	K..109	-	680.0	680.0	706.5	746.5	794.0	769.0	794.0
kB	K..39	538.0	583.0	583.0	619.5	659.5	719.5	689.0	714.0
	K..49	559.5	604.5	604.5	641.0	681.0	741.0	710.5	745.0
	K..69	583.5	628.5	628.5	665.0	705.0	765.0	734.5	769.0
	K..79	600.5	645.5	645.5	682.0	722.0	782.0	751.5	786.0
	K..89	652.0	693.0	693.0	729.5	769.5	829.5	799.0	824.0
	K..109	-	740.0	740.0	776.5	816.5	872.5	842.0	867.0

Gearbox	a	a3	b	c	f	h to10	h1	h2	h4	m	m1	m2	m3	o3 to9	o4	o5	p2	s
K..39	110	28	100	16	120	100 -0.5	68	47	12.3	32	32	31.0	35	63 -0.5	135.5	58.0	65.0	11.0
K..49	130	35	120	18	145	112 -0.5	75	55	10.6	32	32	30.0	33	71 -0.5	158.0	73.0	74.0	11.0
K..69	130	30	130	21	157	132 -0.5	87	63	6.0	40	40	34.0	40	80 -0.5	173.0	81.0	83.0	13.5
K..79	120	30	140	24	170	140 -0.5	95	65	12.2	45	45	41.0	49.5	90 -0.5	180.0	87.5	90.5	13.5
K..89	150	40	165	27	200	180 -0.5	125	75	24.3	55	55	59.5	60.5	112 -0.5	211.5	102.0	110.5	17.5
K..109	180	55	180	32	230	212 -0.5	142	91	24.6	65	65	65	65	132 -0.5	251.5	116.0	130.5	22.0

Solid shaft	d to1	l	t	u	DR	q	i
K39	25 k6	50	28.0	8	M10x22	110	60.0
K49	30 k6	60	33.0	8	M10x22	135	75.0
K69	35 k6	70	38.0	10	M12x28	153	88.0
K79	40 k6	80	43.0	12	M16x36	170	100.0
K89	50 k6	100	53.5	14	M16x36	205	122.5
K109	60 m6	120	64.0	18	M20x42	240	150.0

Hollow shaft	da to3	da to4	d7a	la	l11a	ta	ua to5	ia	q1a	qa
KA39	30 H7	30 h6	45	120	89	33.3	8 JS9	10.0	62.5	60
KA49	35 H7	35 h6	50	150	114	38.3	10 JS9	15.0	77.0	75
KA69	40 H7	40 h6	55	166	124	43.3	12 JS9	18.0	85.0	83
KA79	40 H7	40 h6	55	180	138	43.3	12 JS9	20.0	92.0	90
KA89	50 H7	50 h6	70	210	165	53.8	14 JS9	22.5	107.0	105
KA109	60 H7	60 h6	85	240	188	64.4	18 JS9	30.0	123.0	120

Shrink disk	ds	ds to6	ds to7	g7	ls	is	q1s	qs
KAS39	30	30 h6	30 H7	76	143	10.0	89.5	60
KAS49	35	35 h6	35 H7	84	175	15.0	107.0	75
KAS69	40	40 h6	40 H7	84	192	18.0	115.0	83
KAS79	40	40 h6	40 H7	94	208	20.0	125.5	90
KAS89	50	50 h6	50 H7	119	240	22.5	142.5	105
KAS109	65	65 h6	65 H7	145	274	30.0	162.5	120

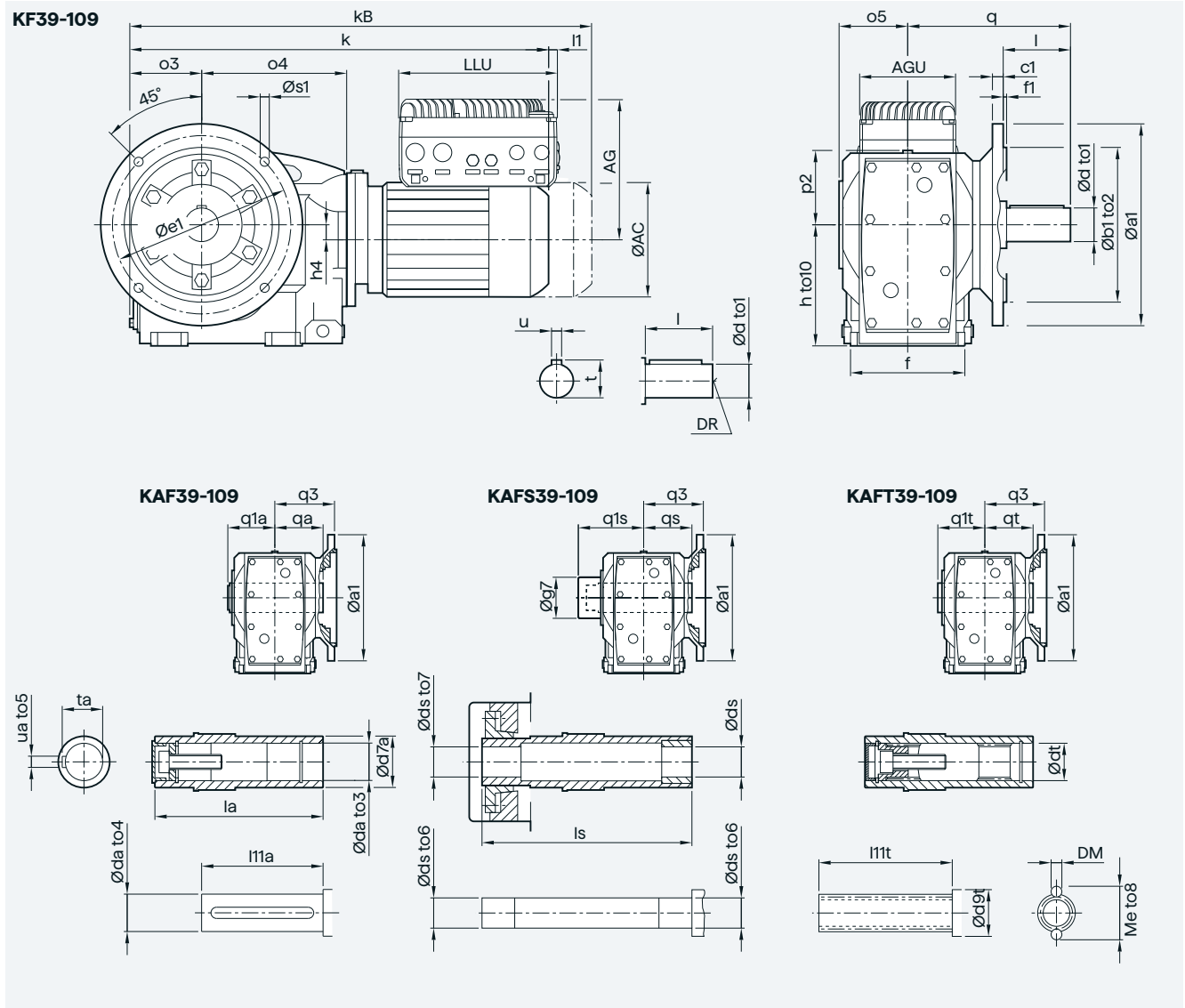
Splined shaft	dt	d9t	DM	Me to8	l11t	it	q1t	qt
KAT39	37	45	2.75	33.051 -0.039	84	10.0	60	60
KAT49	37	50	4	38.944 -0.045	114	15.0	75	75
KAT69	37	55	4	38.944 -0.045	129	18.0	83	83
KAT79	47	55	4	48.880 -0.047	129	20.0	90	90
KAT89	55	70	4	54.156 -0.049	159	22.5	105	105
KAT109	72	85	4	68.989 -0.055	179	30.0	120	120

Notes and standards for the dimensional drawings can be found from [page 6/2](#).

Dimensional drawings

3-stage

Bevel gearbox, gearbox size 39 to 109 - flange-mounted design



6

Innomatics SG G115D		Motor frame size								
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L	LE112M	LE112MC	
AG	FSA	177.5	196.0	196.0	201.0	201.0	-	-	-	
	FSB	-	-	-	206.0	206.0	217.5	228.5	228.5	
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-	-	-	
	FSB	-	-	-	180.0	180.0	180.0	180.0	180.0	
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-	-	-	
	FSB	-	-	-	286.0	286.0	286.0	286.0	286.0	
l1	FSA	53.5	25.0	25.0	0.5	0.5	-	-	-	
	FSB	-	-	-	27.0	27.0	5.0	-3.0	-3.0	
Motor	Gearbox									
	AC	K.F.39	138.8	156.3	156.3	173.8	173.8	198.0	222.0	222.0
		K.F.49								
		K.F.69								
		K.F.79								
		K.F.89								
		K.F.109	-							

Notes and standards for the dimensional drawings can be found from [page 6/2](#).

Bevel gearbox, gearbox size 39 to 109 - flange-mounted design

Motor	Gearbox	Motor frame size							
		LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L	LE112M	LE112MC
k	K.F.39	486.0	526.0	526.0	552.5	592.5	644.0	619.0	644.0
	K.F.49	509.0	549.0	549.0	575.5	615.5	667.0	642.0	676.5
	K.F.69	539.0	579.0	579.0	605.5	645.5	697.0	672.0	706.5
	K.F.79	545.0	585.0	585.0	611.5	651.5	703.0	678.5	712.5
	K.F.89	597.0	633.0	633.0	659.5	699.5	751.0	726.0	751.0
	K.F.109	-	687.0	687.0	713.5	753.5	801.0	776.0	801.0
kB	K.F.39	541.0	586.0	586.0	622.5	662.5	722.5	692.0	717.0
	K.F.49	564.0	609.0	609.0	645.5	685.5	745.5	715.0	749.5
	K.F.69	594.0	639.0	639.0	675.5	715.5	775.5	745.0	779.5
	K.F.79	600.0	645.0	645.0	681.5	721.5	781.5	751.0	785.5
	K.F.89	652.0	693.0	693.0	729.5	769.5	829.5	799.0	824.0
	K.F.109	-	747.0	747.0	783.5	823.5	844.5	879.5	874.0

Gearbox	f	h to10	h4	o3	o4	o5	p2	Flange	a1	b1 to2	c1	e1	f1	s1	q3
K.F.39	100	100 -0.5	12.3	66.0	135.5	58.0	65.0		160	110 j6	10	130	3.5	9.0	84.0
K.F.49	110	112 -0.5	10.6	75.5	158.0	73.0	74.0		200	130 j6	12	165	3.5	11.0	100.0
K.F.69	130	132 -0.5	6.0	90.5	173.0	81.0	83.0		250	180 j6	15	215	4.0	13.5	106.5
K.F.79	140	140 -0.5	12.2	89.5	180.0	87.5	90.5		250	180 j6	15	215	4.0	13.5	113.0
K.F.89	170	180 -0.5	22.4	108.0	215.5	102.0	110.5		300	230 j6	16	265	4.0	13.5	142.0
K.F.109	210	212 -0.5	24.6	139.0	251.5	116.0	129.0		350	250 j6	18	300	5.0	17.5	156.0

Solid shaft	d to1	l	t	u	DR	q
KF39	25 k6	50	28.0	8	M10x22	134.0
KF49	30 k6	60	33.0	8	M10x22	165.0
KF69	35 k6	70	38.0	10	M12x28	181.0
KF79	40 k6	80	43.0	12	M16x36	197.5
KF89	50 k6	100	53.5	14	M16x36	242.0
KF109	60 m6	120	64.0	18	M20x42	276.0

Hollow shaft	da to3	da to4	d7a	la	l11a	ta	ua to5	q1a	qa
KAF39	30 H7	30 h6	45	120	89	33.3	8 JS9	62.5	60
KAF49	35 H7	35 h6	50	150	114	38.3	10 JS9	77.0	75
KAF69	40 H7	40 h6	55	166	124	43.3	12 JS9	85.0	83
KAF79	40 H7	40 h6	55	180	138	43.3	12 JS9	92.0	90
KAF89	50 H7	50 h6	70	210	165	53.8	14 JS9	107.0	105
KAF109	60 H7	60 h6	85	240	188	64.4	18 JS9	123.0	120

Shrink disk	ds	ds to6	ds to7	g7	ls	q1s	qs
KAFS39	30	30 h6	30 H7	76	143	89.5	60
KAFS49	35	35 h6	35 H7	84	175	107.0	75
KAFS69	40	40 h6	40 H7	84	192	115.0	83
KAFS79	40	40 h6	40 H7	94	208	125.5	90
KAFS89	50	50 h6	50 H7	119	240	142.5	105
KAFS109	65	65 h6	65 H7	145	274	162.5	120

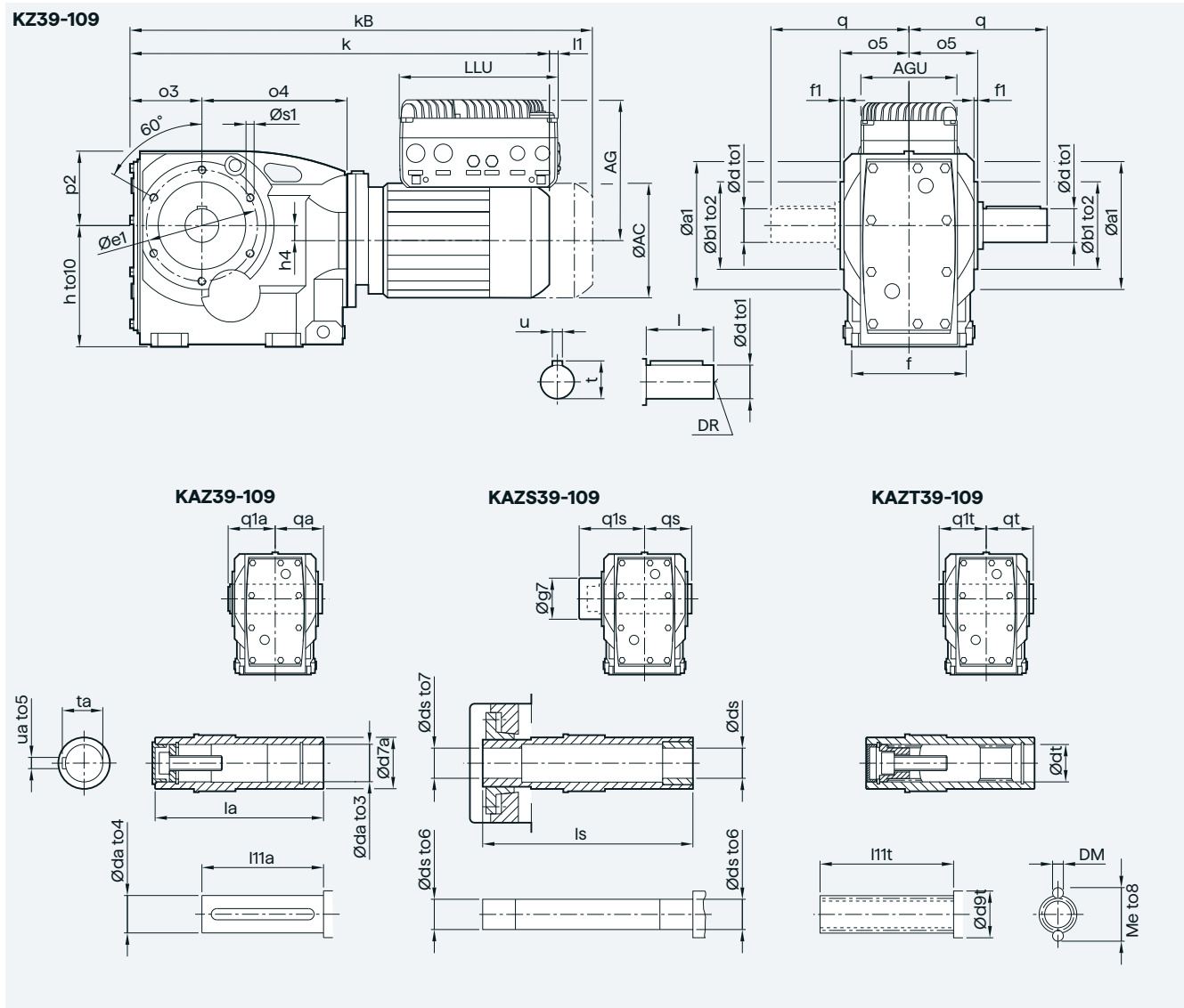
Splined shaft	dt	d9t	DM	Me to8	l11t	q1t	qt
KAFT39	37	45	2.75	33.051 -0.039	84	60	60
KAFT49	37	50	4	38.944 -0.045	114	75	75
KAFT69	37	55	4	38.944 -0.045	129	83	83
KAFT79	47	55	4	48.880 -0.047	129	90	90
KAFT89	55	70	4	54.156 -0.049	159	105	105
KAFT109	72	85	4	68.989 -0.055	179	120	120

Notes and standards for the dimensional drawings can be found from [page 6/2](#).

Dimensional drawings

3-stage

Bevel gearbox, gearbox size 39 to 109 - housing flange design



6

Innomatics SG G115D		Motor frame size								
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L	LE112M	LE112MC	
AG	FSA	177.5	196.0	196.0	201.0	201.0	-	-	-	
	FSB	-	-	-	206.0	206.0	217.5	228.5	228.5	
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-	-	-	
	FSB	-	-	-	180.0	180.0	180.0	180.0	180.0	
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-	-	-	
	FSB	-	-	-	286.0	286.0	286.0	286.0	286.0	
I1	FSA	53.5	25.0	25.0	0.5	0.5	-	-	-	
	FSB	-	-	-	27.0	27.0	5.0	-3.0	-3.0	
Motor	Gearbox									
	AC	K.Z.39	138.8	156.3	156.3	173.8	173.8	198.0	222.0	222.0
		K.Z.49								
		K.Z.69								
		K.Z.79								
		K.Z.89								
	K.Z.109	-								

Notes and standards for the dimensional drawings can be found from [page 6/2](#).

Bevel gearbox, gearbox size 39 to 109 - housing flange design

Motor	Gearbox	Motor frame size							
		LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L	LE112M	LE112MC
k	K.Z.39	486.0	526.0	526.0	552.5	592.5	644.0	619.0	644.0
	K.Z.49	509.0	549.0	549.0	575.5	615.5	667.0	642.0	676.5
	K.Z.69	539.0	579.0	579.0	605.5	645.5	697.0	672.0	706.5
	K.Z.79	545.0	585.0	585.0	611.5	651.5	703.0	678.5	712.5
	K.Z.89	597.0	633.0	633.0	659.5	699.5	751.0	726.0	751.0
	K.Z.109	-	687.0	687.0	713.5	753.5	801.0	776.0	801.0
kB	K.Z.39	541.0	586.0	586.0	622.5	662.5	722.5	692.0	717.0
	K.Z.49	564.0	609.0	609.0	645.5	685.5	745.5	715.0	749.5
	K.Z.69	594.0	639.0	639.0	675.5	715.5	775.5	745.0	779.5
	K.Z.79	600.0	645.0	645.0	681.5	721.5	781.5	751.0	785.5
	K.Z.89	652.0	693.0	693.0	729.5	769.5	829.5	799.0	824.0
	K.Z.109	-	747.0	747.0	783.5	823.5	844.5	879.5	874.0

Gearbox	f	h to10	h4	o3	o4	o5	p2	Centering	a1	b1 to2	e1	f1	s1
K.Z.39	100	100 -0.5	12.3	66.0	135.5	58.0	65.0		120	80 j6	100	4.0	M8x14
K.Z.49	110	112 -0.5	10.6	75.5	158.0	73.0	74.0		133	95 j6	115	5.0	M10x17
K.Z.69	130	132 -0.5	6.0	90.5	173.0	81.0	83.0		154	110 j6	130	5.0	M12x20
K.Z.79	140	140 -0.5	12.2	89.5	180.0	87.5	90.5		154	110 j6	130	5.0	M12x20
K.Z.89	170	180 -0.5	22.4	108.0	215.5	102.0	110.5		190	130 j6	165	5.5	M12x20
K.Z.109	210	212 -0.5	24.6	139.0	251.5	116.0	129.0		245	180 j6	215	5.0	M16x25

Solid shaft	d to1	l	t	u	DR	q
KZ39	25 k6	50	28.0	8	M10x22	110
KZ49	30 k6	60	33.0	8	M10x22	135
KZ69	35 k6	70	38.0	10	M12x28	153
KZ79	40 k6	80	43.0	12	M16x36	170
KZ89	50 k6	100	53.5	14	M16x36	205
KZ109	60 m6	120	64.0	18	M20x42	240

Hollow shaft	da to3	da to4	d7a	la	l11a	ta	ua to5	q1a	qa
KAZ39	30 H7	30 h6	45	120	89	33.3	8 JS9	62.5	60
KAZ49	35 H7	35 h6	50	150	114	38.3	10 JS9	77.0	75
KAZ69	40 H7	40 h6	55	166	124	43.3	12 JS9	85.0	83
KAZ79	40 H7	40 h6	55	180	138	43.3	12 JS9	92.0	90
KAZ89	50 H7	50 h6	70	210	165	53.8	14 JS9	107.0	105
KAZ109	60 H7	60 h6	85	240	188	64.4	18 JS9	123.0	120

Shrink disk	ds	ds to6	ds to7	g7	ls	q1s	qs
KAZS39	30	30 h6	30 H7	76	143	89.5	60
KAZS49	35	35 h6	35 H7	84	175	107.0	75
KAZS69	40	40 h6	40 H7	84	192	115.0	83
KAZS79	40	40 h6	40 H7	94	208	125.5	90
KAZS89	50	50 h6	50 H7	119	240	142.5	105
KAZS109	65	65 h6	65 H7	145	274	162.5	120

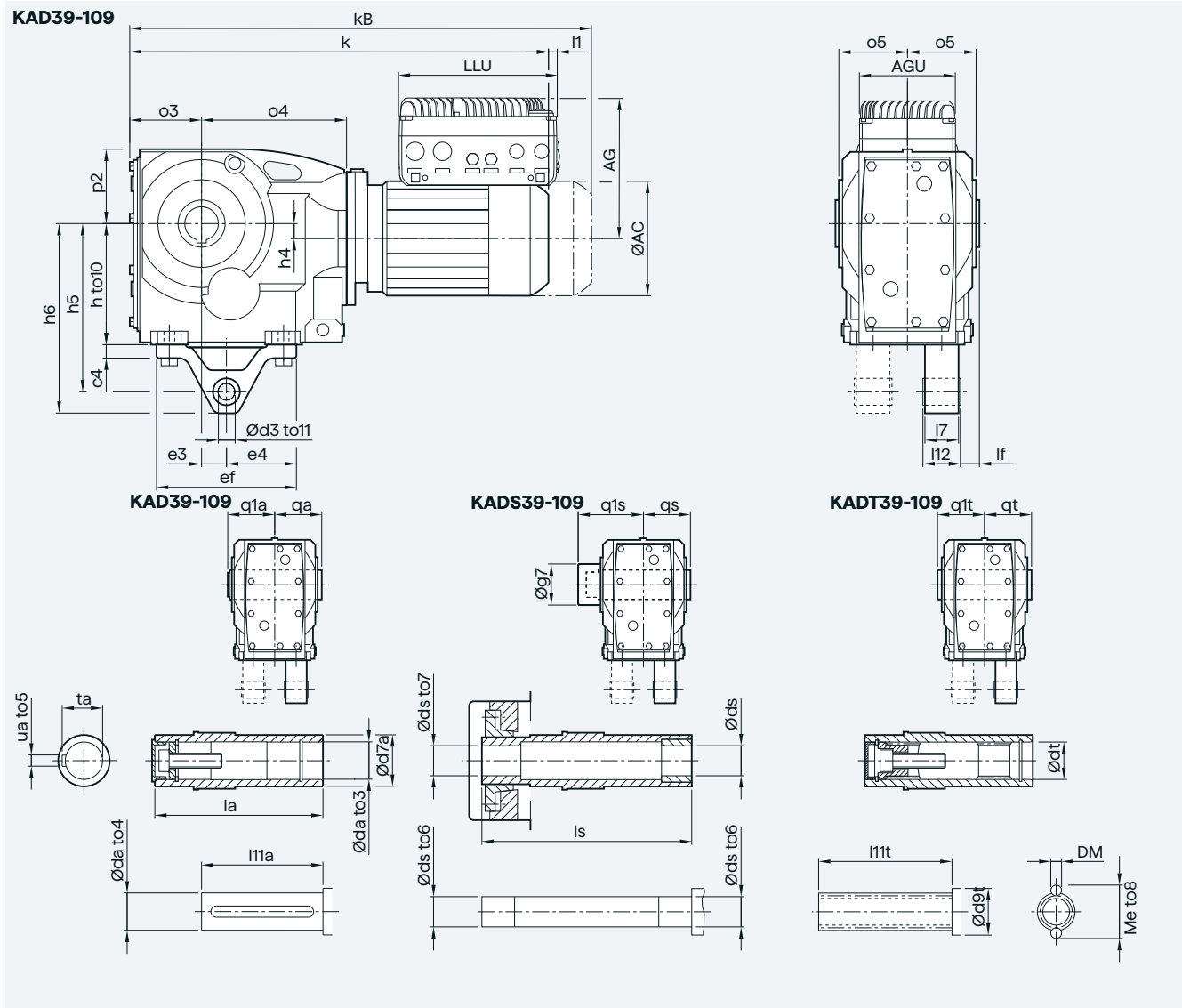
Splined shaft	dt	d9t	DM	Me to8	l11t	q1t	qt
KAZT39	37	45	2.75	33.051 -0.039	84	60	60
KAZT49	37	50	4	38.944 -0.045	114	75	75
KAZT69	37	55	4	38.944 -0.045	129	83	83
KAZT79	47	55	4	48.880 -0.047	129	90	90
KAZT89	55	70	4	54.156 -0.049	159	105	105
KAZT109	72	85	4	68.989 -0.055	179	120	120

Notes and standards for the dimensional drawings can be found from [page 6/2](#).

Dimensional drawings

3-stage

Bevel gearbox, gearbox size 39 to 109 - shaft-mounted design



6

Innomotics SG G115D		Motor frame size								
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L	LE112M	LE112MC	
AG	FSA	177.5	196.0	196.0	201.0	201.0	-	-	-	
	FSB	-	-	-	206.0	206.0	217.5	228.5	228.5	
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-	-	-	
	FSB	-	-	-	180.0	180.0	180.0	180.0	180.0	
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-	-	-	
	FSB	-	-	-	286.0	286.0	286.0	286.0	286.0	
l1	FSA	53.5	25.0	25.0	0.5	0.5	-	-	-	
	FSB	-	-	-	27.0	27.0	5.0	-3.0	-3.0	
Motor	Gearbox									
	AC	KAD.39	138.8	156.3	156.3	173.8	173.8	198.0	222.0	222.0
		KAD.49								
		KAD.69								
		KAD.79								
		KAD.89								
	KAD.109	-								

Notes and standards for the dimensional drawings can be found from [page 6/2](#).

Bevel gearbox, gearbox size 39 to 109 - shaft-mounted design

Motor	Gearbox	Motor frame size							
		LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L	LE112M	LE112MC
k	KAD.39	486.0	526.0	526.0	552.5	592.5	644.0	619.0	644.0
	KAD.49	509.0	549.0	549.0	575.5	615.5	667.0	642.0	676.5
	KAD.69	539.0	579.0	579.0	605.5	645.5	697.0	672.0	706.5
	KAD.79	545.0	585.0	585.0	611.5	651.5	703.0	678.5	712.5
	KAD.89	597.0	633.0	633.0	659.5	699.5	751.0	726.0	751.0
	KAD.109	-	687.0	687.0	713.5	753.5	801.0	776.0	801.0
kB	KAD.39	541.0	586.0	586.0	622.5	662.5	722.5	692.0	717.0
	KAD.49	564.0	609.0	609.0	645.5	685.5	745.5	715.0	749.5
	KAD.69	594.0	639.0	639.0	675.5	715.5	775.5	745.0	779.5
	KAD.79	600.0	645.0	645.0	681.5	721.5	781.5	751.0	785.5
	KAD.89	652.0	693.0	693.0	729.5	769.5	829.5	799.0	824.0
	KAD.109	-	747.0	747.0	783.5	823.5	844.5	879.5	874.0

Gearbox	h to10	h4	o3	o4	o5	p2	Torque arm	d3 to11	c4	e3	e4	ef	h5	h6	l7	l12	lf
KAD.39	100 -0.5	12.3	66.0	135.5	58.0	65.0		10 H9	13	23.5	73.5	146.5	140	160	24	28	24
KAD.49	112 -0.5	10.6	75.5	158.0	73.0	74.0		10 H9	13	30.0	83.3	166.6	160	182	24	28	26
KAD.69	132 -0.5	6.0	90.5	173.0	81.0	83.0		16 H9	15	40.0	80.0	182.0	192	217	32	38	20
KAD.79	140 -0.5	12.2	89.5	180.0	87.5	90.5		16 H9	15	45.0	80.0	182.0	200	225	32	38	27
KAD.89	180 -0.5	22.4	108	215.5	102.0	110.5		16 H9	20	52.5	88.5	208.0	250	282	50	56	26
KAD.109	212 -0.5	24.6	139	251.5	116.0	129.0		25 H9	24	60.0	119.0	263.0	300	333.5	50	56	31.5

Hollow shaft	da to3	da to4	d7a	la	l11a	ta	ua to5	q1a	qa
KAD39	30 H7	30 h6	45	120	89	33.3	8 JS9	62.5	60
KAD49	35 H7	35 h6	50	150	114	38.3	10 JS9	77.0	75
KAD69	40 H7	40 h6	55	166	124	43.3	12 JS9	85.0	83
KAD79	40 H7	40 h6	55	180	138	43.3	12 JS9	92.0	90
KAD89	50 H7	50 h6	70	210	165	53.8	14 JS9	107.0	105
KAD109	60 H7	60 h6	85	240	188	64.4	18 JS9	123.0	120

Shrink disk	ds	ds to6	ds to7	g7	ls	q1s	qs
KADS39	30	30 h6	30 H7	76	143	89.5	60
KADS49	35	35 h6	35 H7	84	175	107.0	75
KADS69	40	40 h6	40 H7	84	192	115.0	83
KADS79	40	40 h6	40 H7	94	208	125.5	90
KADS89	50	50 h6	50 H7	119	240	142.5	105
KADS109	65	65 h6	65 H7	145	274	162.5	120

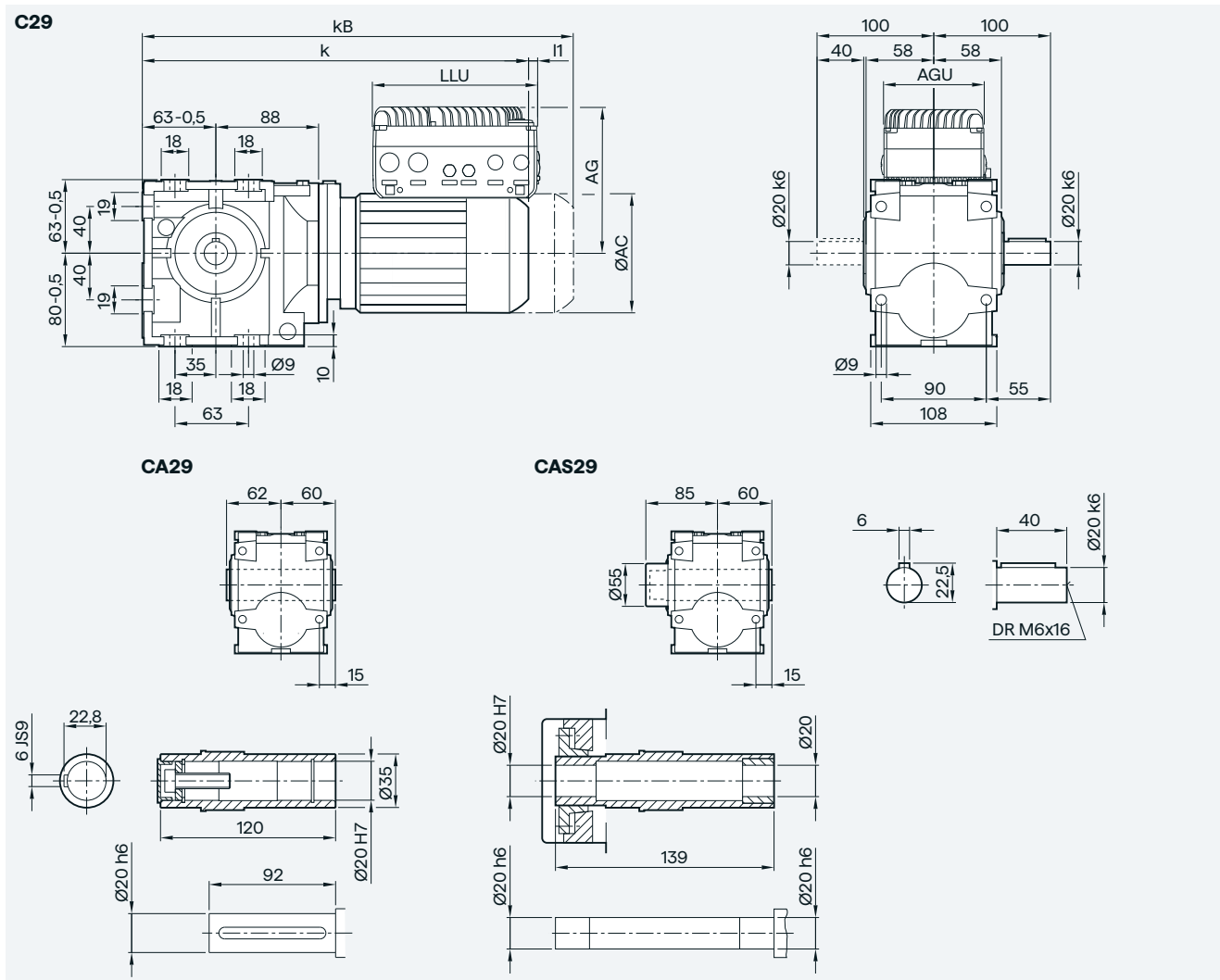
Splined shaft	dt	d9t	DM	Me to8	l11t	q1t	qt
KADT39	37	45	2.75	33.051 -0.039	84	60	60
KADT49	37	50	4	38.944 -0.045	114	75	75
KADT69	37	55	4	38.944 -0.045	129	83	83
KADT79	47	55	4	48.880 -0.047	129	90	90
KADT89	55	70	4	54.156 -0.049	159	105	105
KADT109	72	85	4	68.989 -0.055	179	120	120

Notes and standards for the dimensional drawings can be found from [page 6/2](#).

Dimensional drawings

2-stage

Helical worm gearbox, gearbox size 29 - foot-mounted design

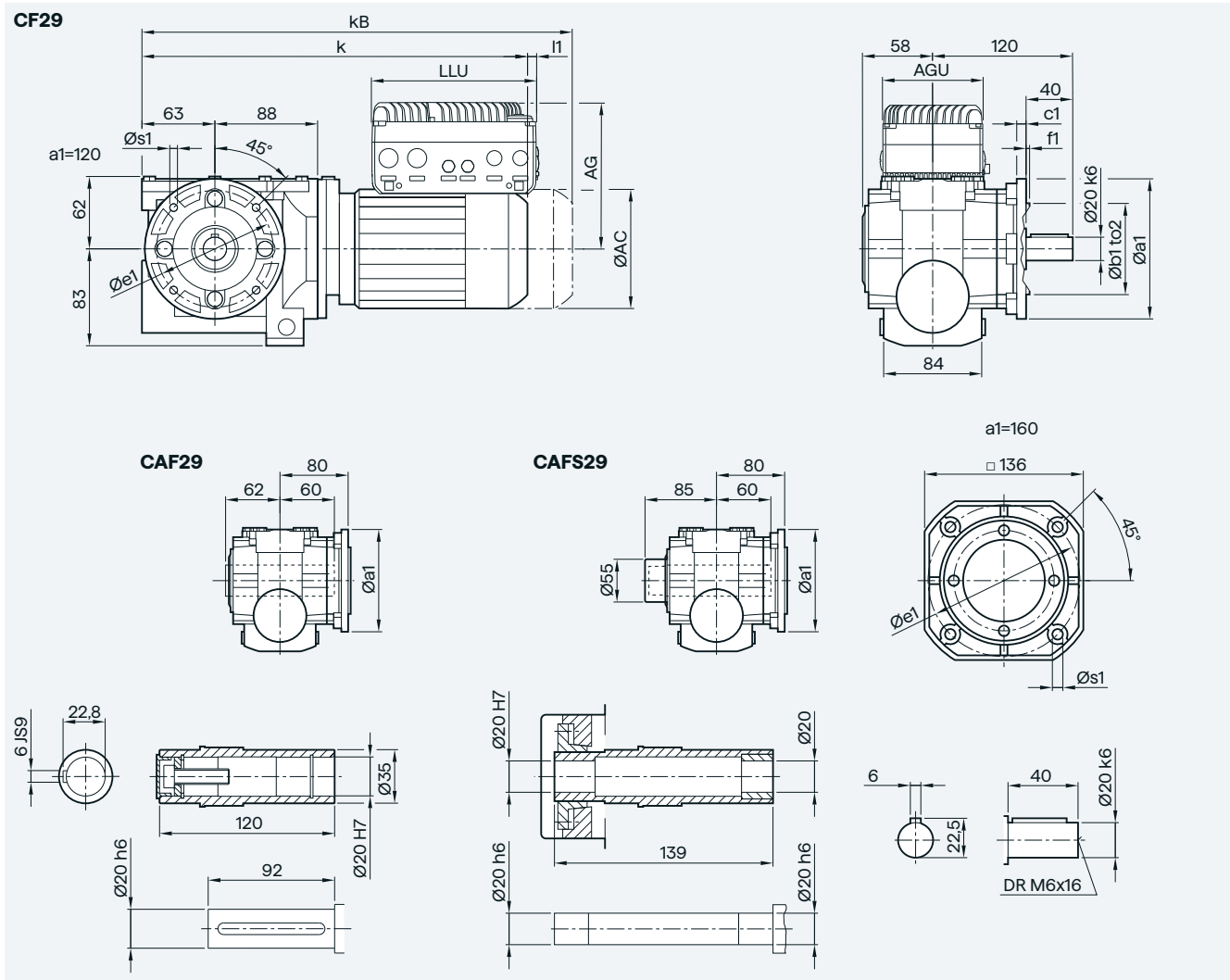


6

Innometrics SG G115D		Motor frame size				
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L
AG	FSA	177.5	196.0	196.0	201.0	201.0
	FSB	-	-	-	206.0	206.0
AGU	FSA	146.0	146.0	146.0	146.0	146.0
	FSB	-	-	-	180.0	180.0
LLU	FSA	240.5	240.5	240.5	240.5	240.5
	FSB	-	-	-	286.0	286.0
l1	FSA	53.5	25.0	25.0	0.5	0.5
	FSB	-	-	-	27.0	27.0
Motor	Gearbox					
AC	C..29	138.8	156.3	156.3	173.8	173.8
k		436.0	476.0	476.0	502.5	542.5
kB		491.0	536.0	536.0	572.5	612.5

Notes and standards for the dimensional drawings can be found from [page 6/2](#).

Helical worm gearbox, gearbox size 29 - flange-mounted design



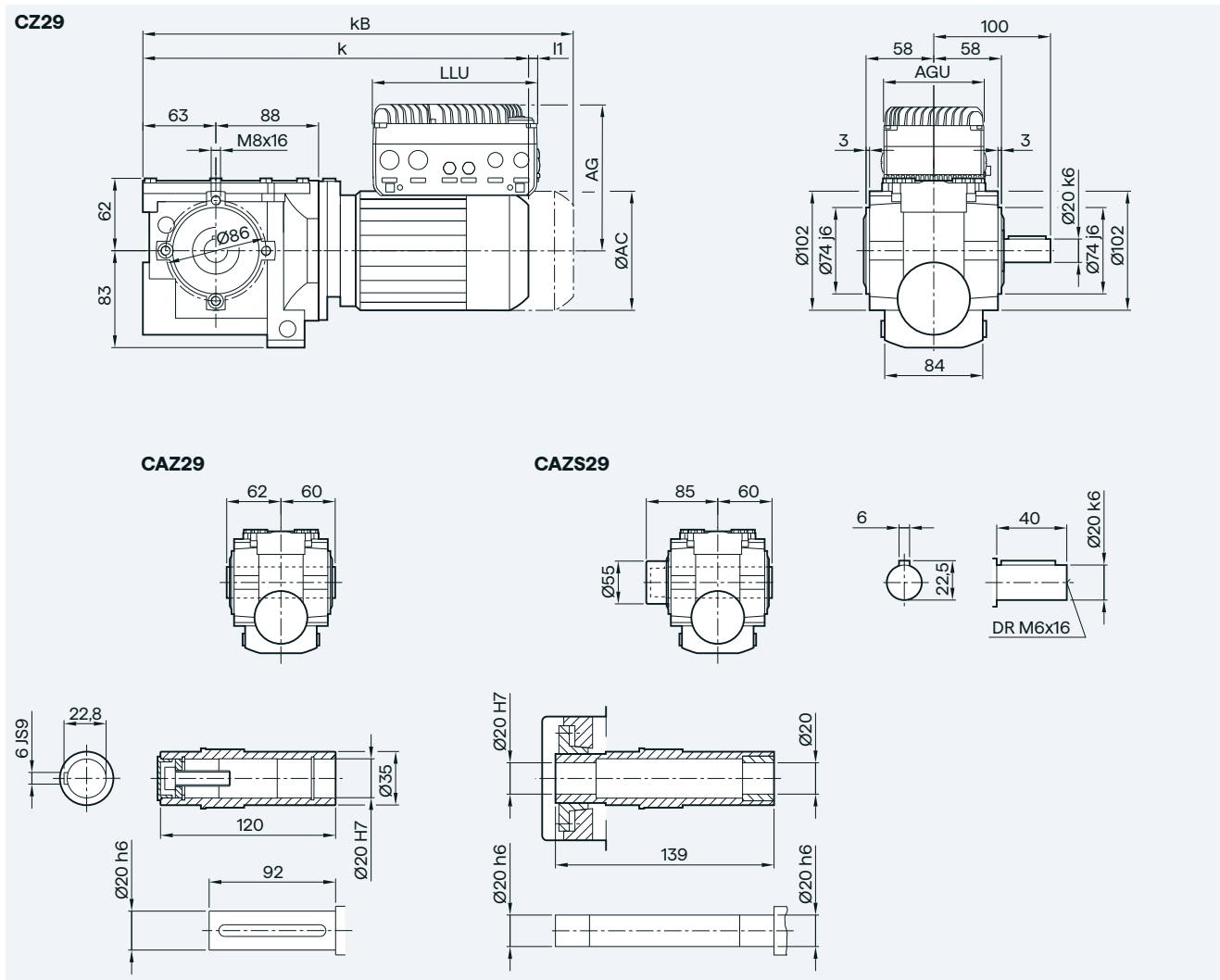
Innomotics SG G115D		Motor frame size				
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L
AG	FSA	177.5	196.0	196.0	201.0	201.0
	FSB	-	-	-	206.0	206.0
AGU	FSA	146.0	146.0	146.0	146.0	146.0
	FSB	-	-	-	180.0	180.0
LLU	FSA	240.5	240.5	240.5	240.5	240.5
	FSB	-	-	-	286.0	286.0
l1	FSA	53.5	25.0	25.0	0.5	0.5
	FSB	-	-	-	27.0	27.0
Motor	Gearbox					
AC	C.F.29	138.8	156.3	156.3	173.8	173.8
k		436.0	476.0	476.0	502.5	542.5
kB		491.0	536.0	536.0	572.5	612.5
Flange	a1	b1 to2	c1	e1	f1	s1
C.F.29	120	80 j6	8	100	3.0	6.6
	160	110 j6	9	130	3.5	9.0

Notes and standards for the dimensional drawings can be found from [page 6/2](#).

Dimensional drawings

2-stage

Helical worm gearbox, gearbox size 29 - housing flange design

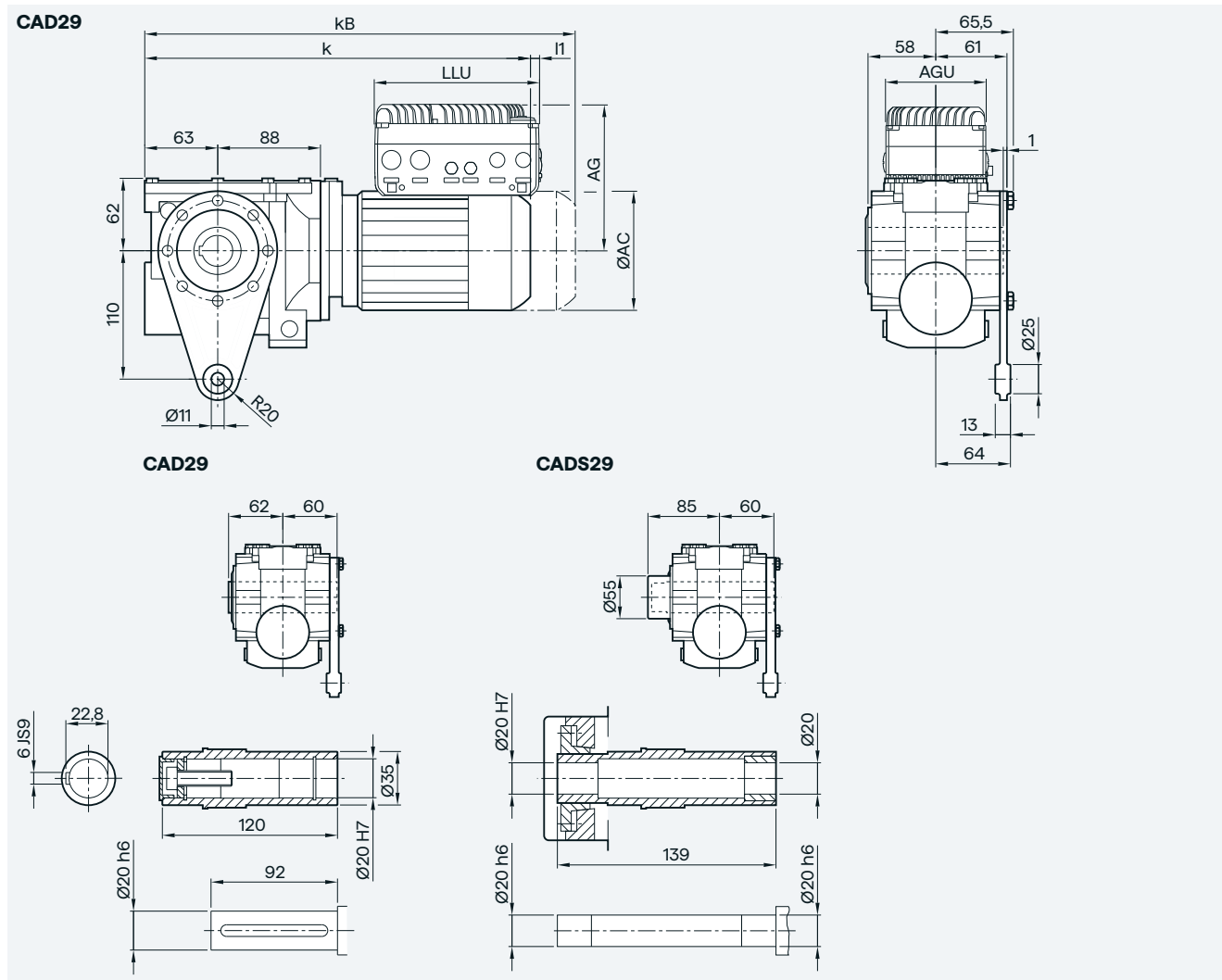


6

Innomatics SG G115D		Motor frame size				
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L
AG	FSA	177.5	196.0	196.0	201.0	201.0
	FSB	-	-	-	206.0	206.0
AGU	FSA	146.0	146.0	146.0	146.0	146.0
	FSB	-	-	-	180.0	180.0
LLU	FSA	240.5	240.5	240.5	240.5	240.5
	FSB	-	-	-	286.0	286.0
l1	FSA	53.5	25.0	25.0	0.5	0.5
	FSB	-	-	-	27.0	27.0
Motor	Gearbox					
AC	C.Z.29	138.8	156.3	156.3	173.8	173.8
k		436.0	476.0	476.0	502.5	542.5
kB		491.0	536.0	536.0	572.5	612.5

Notes and standards for the dimensional drawings can be found from [page 6/2](#).

Helical worm gearbox, gearbox size 29 - shaft-mounted design



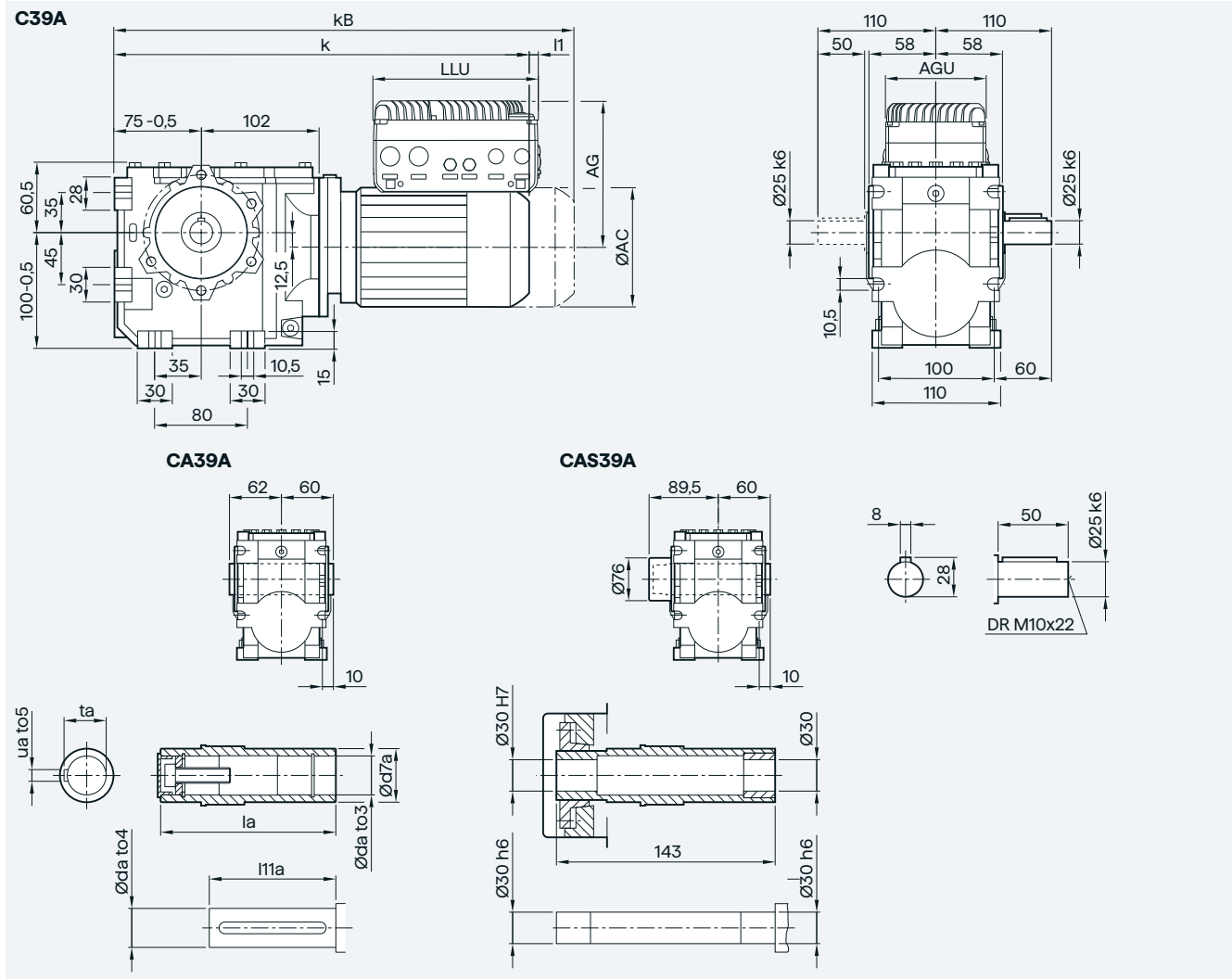
Innomotics SG G115D		Motor frame size				
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L
AG	FSA	177.5	196.0	196.0	201.0	201.0
	FSB	-	-	-	206.0	206.0
AGU	FSA	146.0	146.0	146.0	146.0	146.0
	FSB	-	-	-	180.0	180.0
LLU	FSA	240.5	240.5	240.5	240.5	240.5
	FSB	-	-	-	286.0	286.0
l1	FSA	53.5	25.0	25.0	0.5	0.5
	FSB	-	-	-	27.0	27.0
Motor	Gearbox					
AC	CAD.29	138.8	156.3	156.3	173.8	173.8
k		436.0	476.0	476.0	502.5	542.5
kB		491.0	536.0	536.0	572.5	612.5

Notes and standards for the dimensional drawings can be found from [page 6/2](#).

Dimensional drawings

2-stage

Helical worm gearbox, gearbox size 39A - foot-mounted design

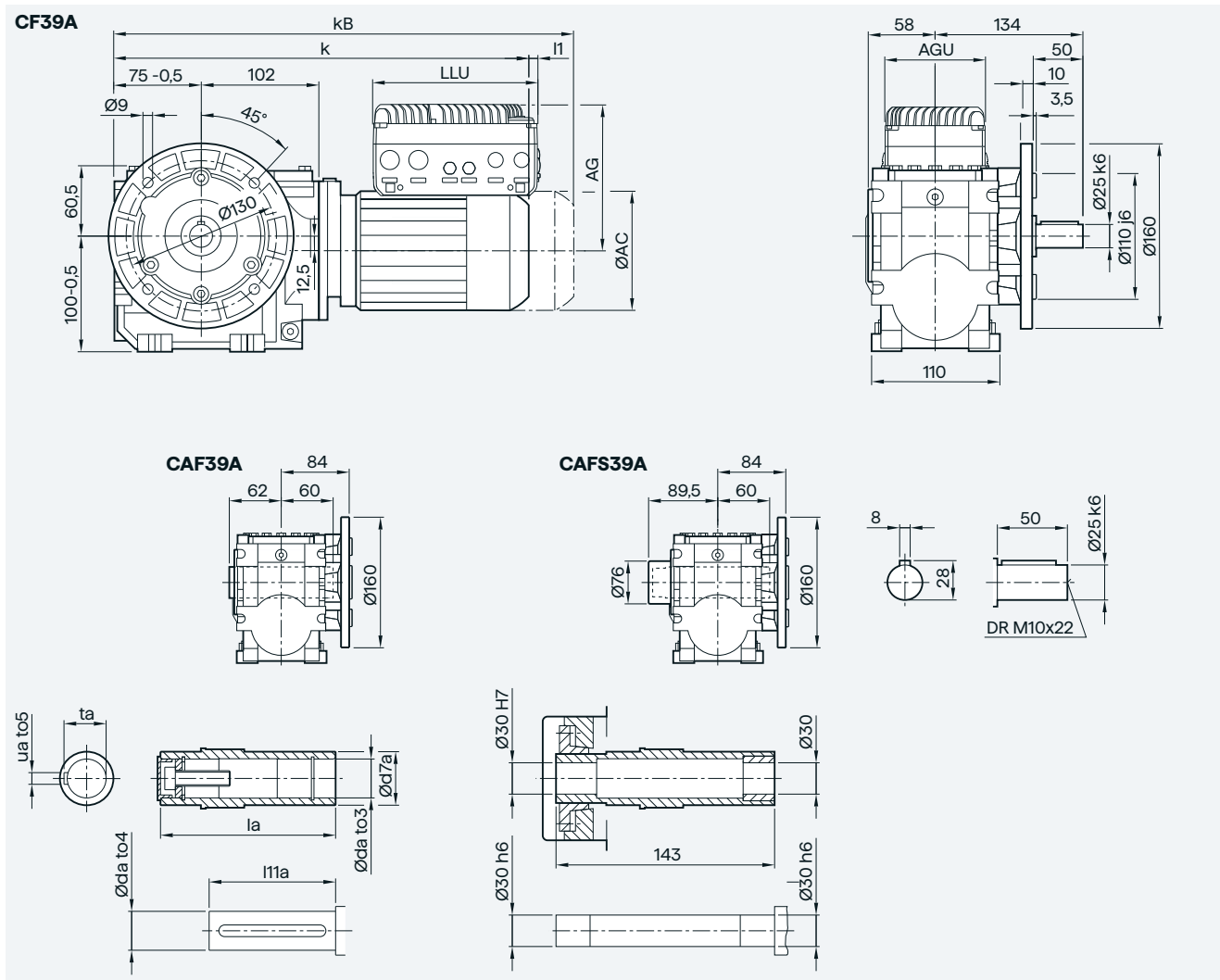


6

Innomotics SG G115D		Motor frame size					
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L
AG	FSA	177.5	196.0	196.0	201.0	201.0	-
	FSB	-	-	-	206.0	206.0	217.5
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-
	FSB	-	-	-	180.0	180.0	180.0
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-
	FSB	-	-	-	286.0	286.0	286.0
l1	FSA	53.5	25.0	25.0	0.5	0.5	-
	FSB	-	-	-	27.0	27.0	5.0
Motor	Gearbox						
AC	CA39A	138.8	156.3	156.3	173.8	173.8	198.0
k		462.0	502.0	502.0	528.5	568.5	620.0
kB		517.0	562.0	562.0	598.5	638.5	698.5
Hollow shaft	da to3	da to4	d7a	la	l11a	ta	ua to5
CA39A	25 H7	25 h6	45	120	89	28.3	8 JS9
	30 H7	30 h6	45	120	89	33.3	8 JS9

Notes and standards for the dimensional drawings can be found from [page 6/2](#).

Helical worm gearbox, gearbox size 39A - flange-mounted design



Innomotics SG G115D		Motor frame size					
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L
AG	FSA	177.5	196.0	196.0	201.0	201.0	-
	FSB	-	-	-	206.0	206.0	217.5
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-
	FSB	-	-	-	180.0	180.0	180.0
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-
	FSB	-	-	-	286.0	286.0	286.0
l1	FSA	53.5	25.0	25.0	0.5	0.5	-
	FSB	-	-	-	27.0	27.0	5.0
Motor	Gearbox						
AC	C.F39A	138.8	156.3	156.3	173.8	173.8	198.0
k		462.0	502.0	502.0	528.5	568.5	620.0
kB		517.0	562.0	562.0	598.5	638.5	698.5

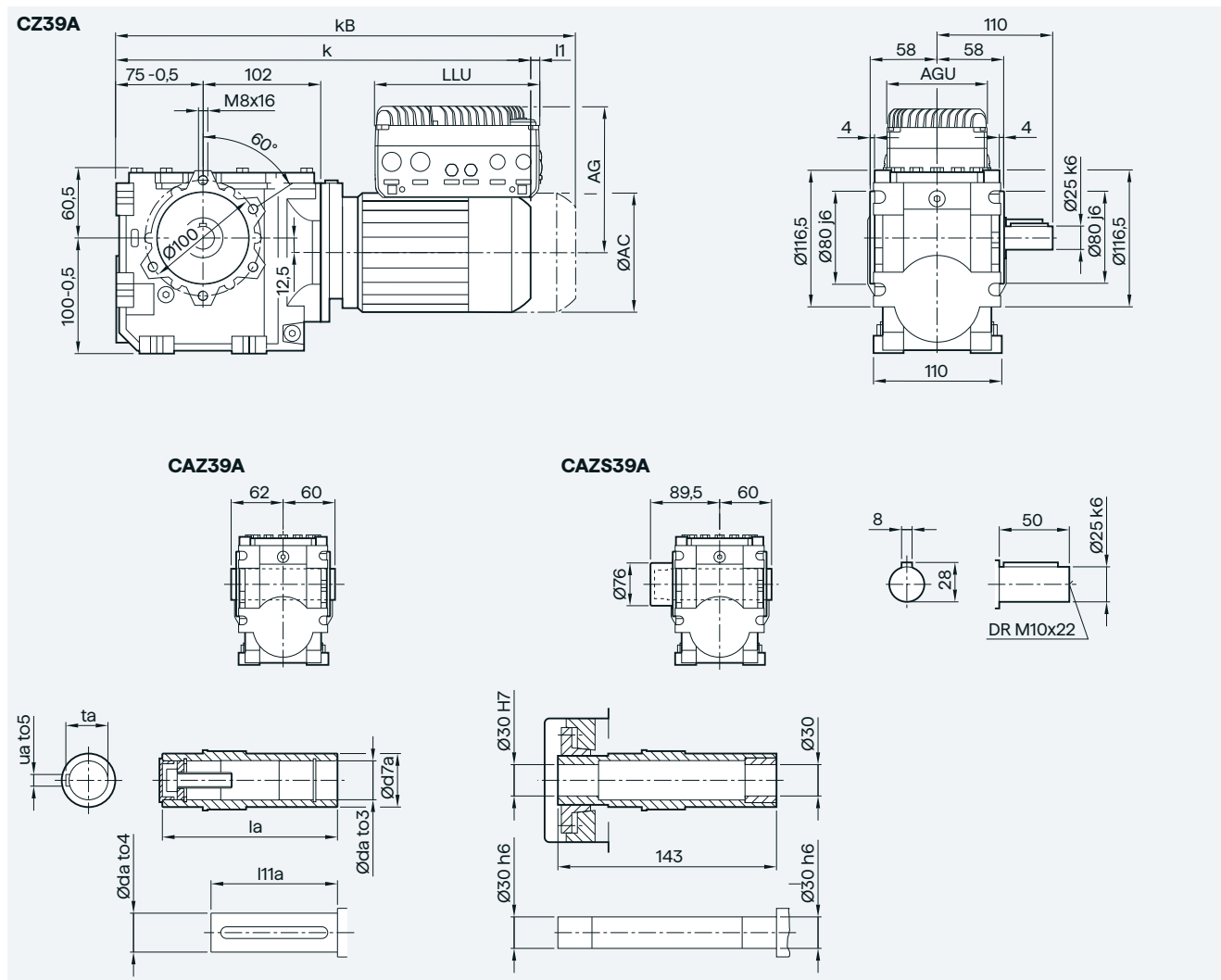
Hollow shaft	da to3	da to4	d7a	la	l11a	ta	ua to5
CAF39A	25 H7	25 h6	45	120	89	28.3	8 JS9
	30 H7	30 h6	45	120	89	33.3	8 JS9

Notes and standards for the dimensional drawings can be found from [page 6/2](#).

Dimensional drawings

2-stage

Helical worm gearbox, gearbox size 39A - housing flange design

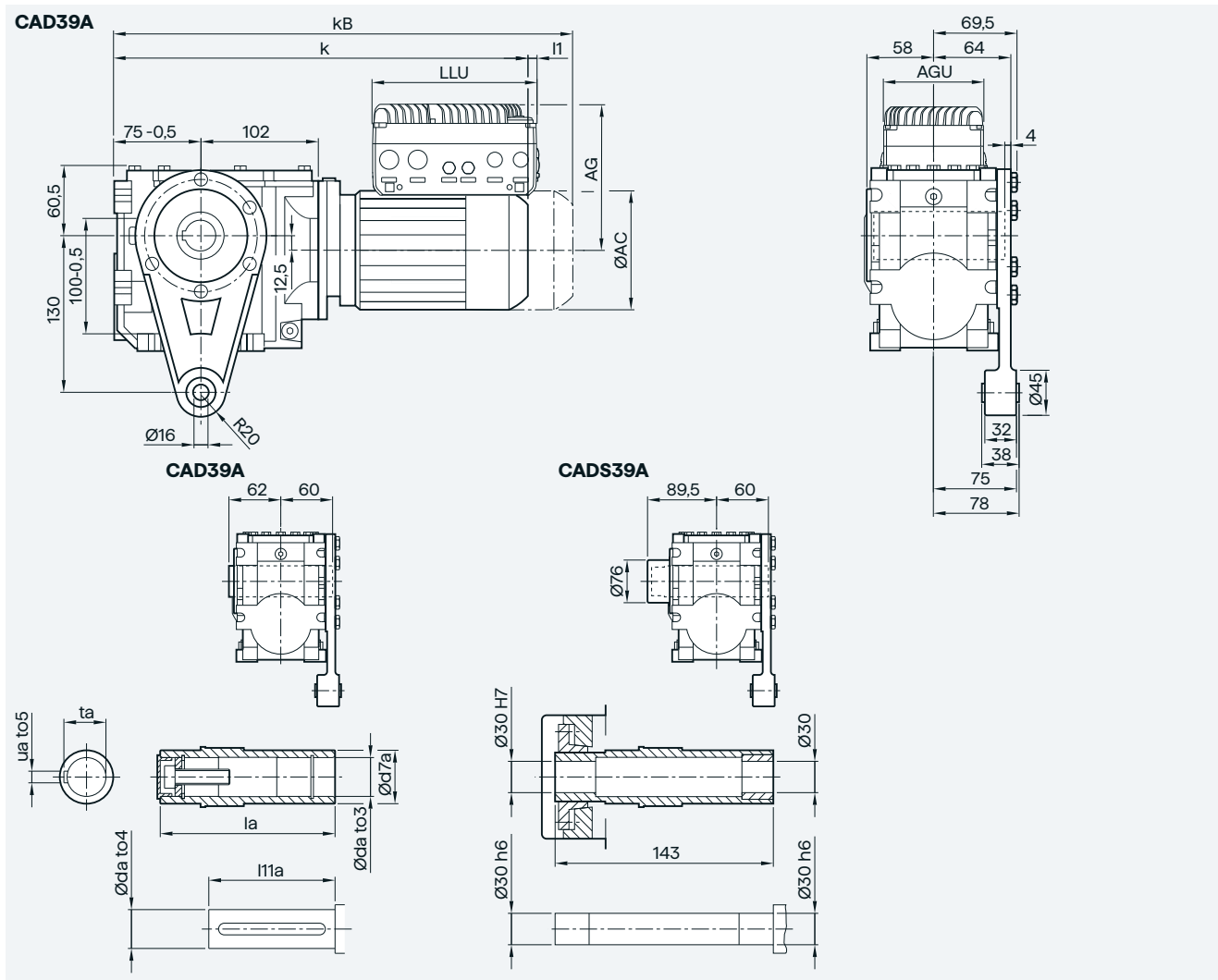


6

Innomotics SG G115D		Motor frame size					
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L
AG	FSA	177.5	196.0	196.0	201.0	201.0	-
	FSB	-	-	-	206.0	206.0	217.5
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-
	FSB	-	-	-	180.0	180.0	180.0
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-
	FSB	-	-	-	286.0	286.0	286.0
l1	FSA	53.5	25.0	25.0	0.5	0.5	-
	FSB	-	-	-	27.0	27.0	5.0
Motor	Gearbox						
AC	C.Z39A	138.8	156.3	156.3	173.8	173.8	198.0
k		462.0	502.0	502.0	528.5	568.5	620.0
kB		517.0	562.0	562.0	598.5	638.5	698.5
Hollow shaft	da to3	da to4	d7a	la	l1a	ta	ua to5
CAZ39A	25 H7	25 h6	45	120	89	28.3	8 JS9
	30 H7	30 h6	45	120	89	33.3	8 JS9

Notes and standards for the dimensional drawings can be found from [page 6/2](#).

Helical worm gearbox, gearbox size 39A - shaft-mounted design



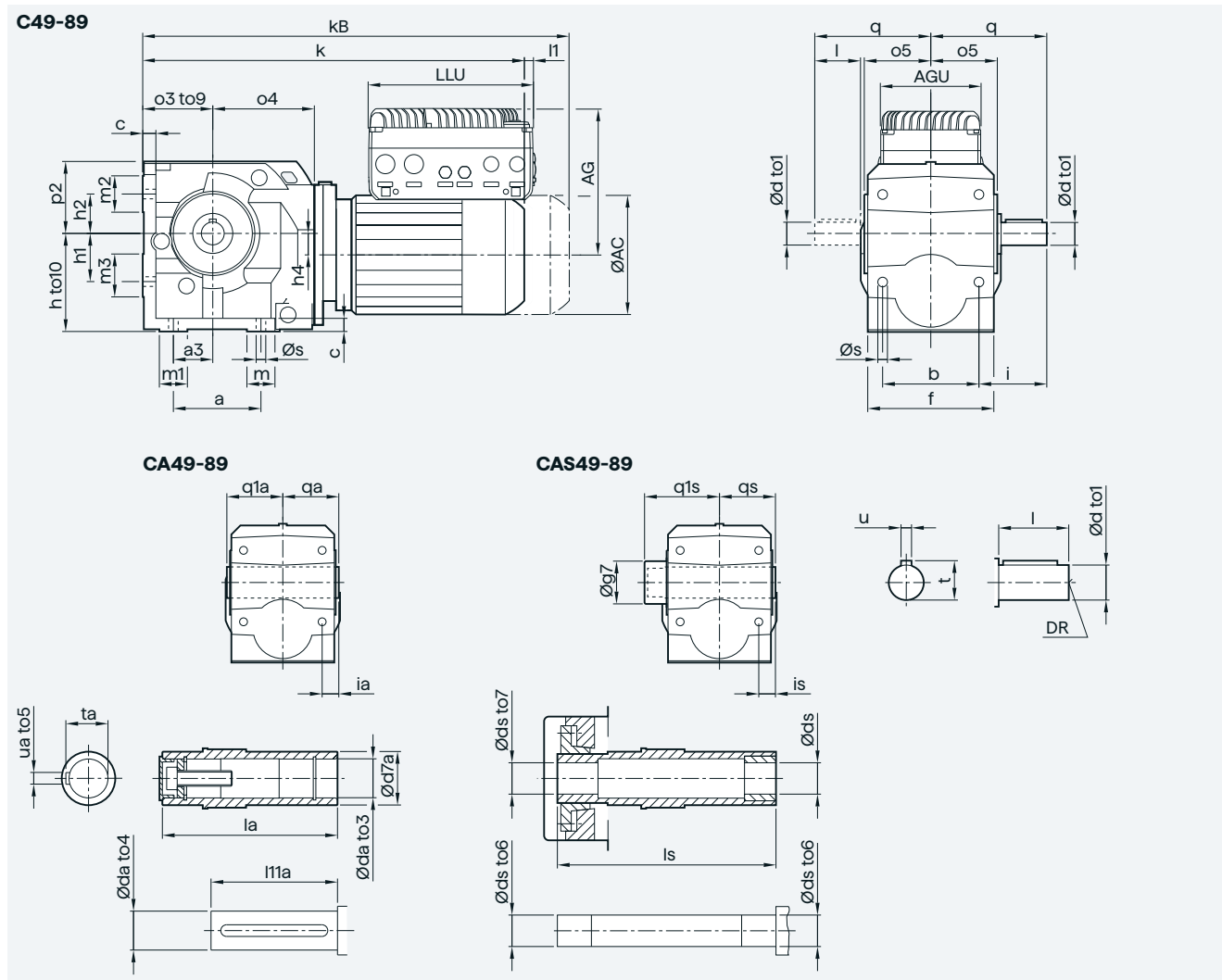
Innomotics SG Q115D		Motor frame size					
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L
AG	FSA	177.5	196.0	196.0	201.0	201.0	-
	FSB	-	-	-	206.0	206.0	217.5
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-
	FSB	-	-	-	180.0	180.0	180.0
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-
	FSB	-	-	-	286.0	286.0	286.0
l1	FSA	53.5	25.0	25.0	0.5	0.5	-
	FSB	-	-	-	27.0	27.0	5.0
Motor	Gearbox						
AC	CAD39A	138.8	156.3	156.3	173.8	173.8	198.0
k		462.0	502.0	502.0	528.5	568.5	620.0
kB		517.0	562.0	562.0	598.5	638.5	698.5
Hollow shaft	da to3	da to4	d7a	la	l11a	ta	ua to5
CAD39A	25 H7	25 h6	45	120	89	28.3	8 JS9
	30 H7	30 h6	45	120	89	33.3	8 JS9

Notes and standards for the dimensional drawings can be found from [page 6/2](#).

Dimensional drawings

2-stage

Helical worm gearbox, gearbox size 49 to 89 - foot-mounted design



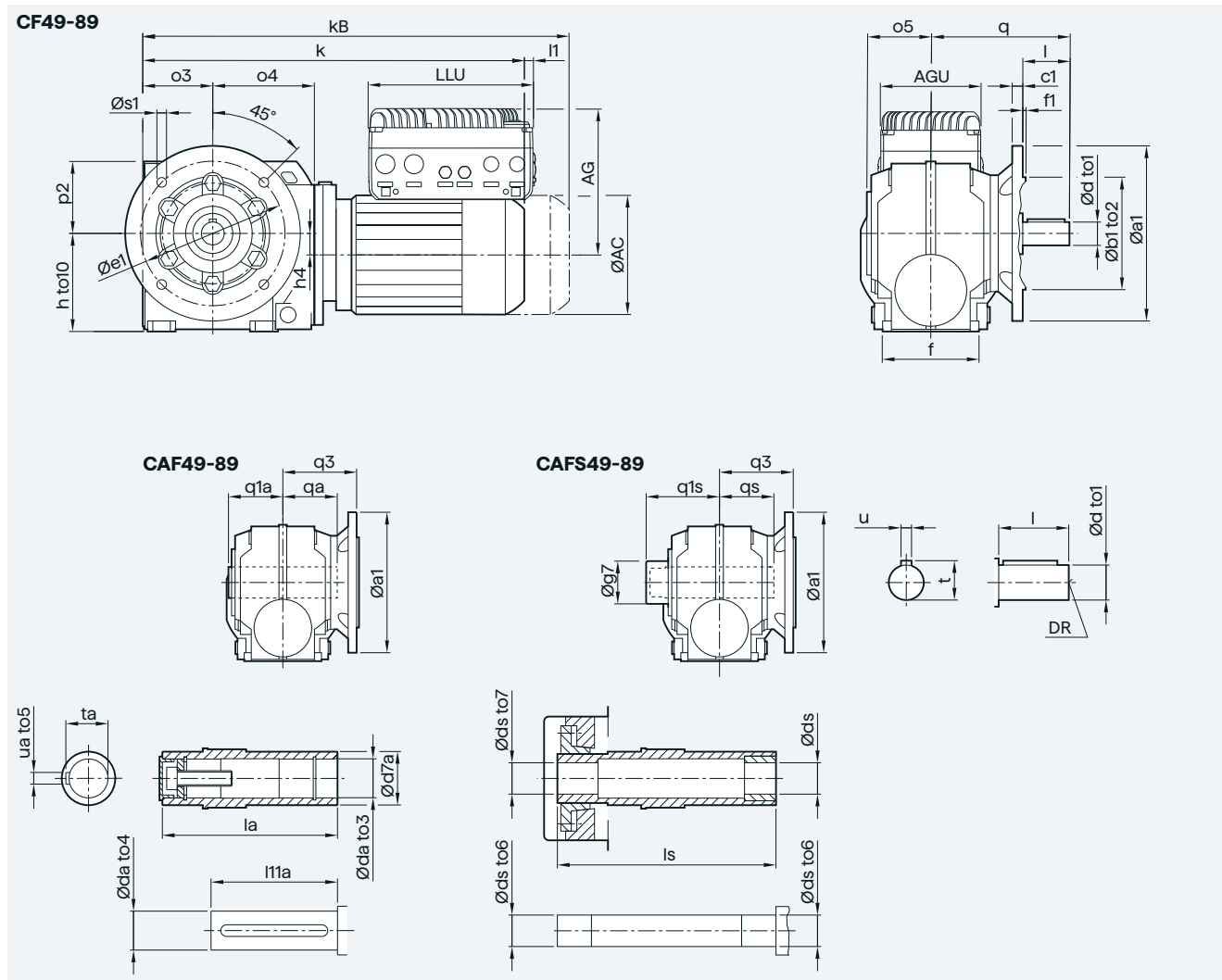
Helical worm gearbox, gearbox size 49 to 89 - foot-mounted design

Innomotics SG G115D		Motor frame size																
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L	LE112M	LE112MC									
AG	FSA	177.5	196.0	196.0	201.0	201.0	-	-	-									
	FSB	-	-	-	206.0	206.0	217.5	228.5	228.5									
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-	-	-									
	FSB	-	-	-	180.0	180.0	180.0	180.0	180.0									
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-	-	-									
	FSB	-	-	-	286.0	286.0	286.0	286.0	286.0									
II	FSA	53.5	25.0	25.0	0.5	0.5	-	-	-									
	FSB	-	-	-	27.0	27.0	5.0	-3.0	-3.0									
Motor	Gearbox																	
AC	C..49	138.8	156.3	156.3	173.8	173.8	198.0	222.0	222.0									
	C..69																	
	C..89																	
k	C..49	471.5	511.5	511.5	538.0	578.0	629.5	604.5	639.0									
	C..69	516.5	556.5	556.5	583.0	623.0	674.5	649.5	684.0									
	C..89	552.5	588.5	588.5	615.0	655.0	706.5	681.5	706.5									
kB	C..49	526.5	571.5	571.5	608.0	648.0	708.0	677.5	712.0									
	C..69	571.5	616.5	616.5	653.0	693.0	753.0	722.5	757.0									
	C..89	607.5	648.5	648.5	685.0	725.0	785.0	754.5	779.5									
Gearbox	a	a3	b	c	f	h to10	h1	h2	h4	m	m1	m2	m3	o3 to9	o4	o5	p2	s
C..49	100	45	110	15	144	112 -0.5	55	45	24.5	32	32	35	35	80 -0.5	116	73	82.2	11.0
C..69	130	60	130	18	160	140 -0.5	70	60	32.0	45	45	40	40	106 -0.5	135	80	94.0	13.5
C..89	135	75	150	25	185	180 -0.5	60	75	30.5	50	50	50	50	125 -0.5	154	100	112.5	17.5
Solid shaft	d to1		l		t		u		DR		q		i					
C49	30 k6		60		33.0		8		M10x12		135		80					
C69	35 k6		70		38.0		10		M12x28		154		89					
C89	45 k6		90		48.5		14		M16x36		195		120					
Hollow shaft	da to3	da to4	d7a	la	l11a	ta	ua to5	ia	q1a	qa								
CA49	30 H7	30 h6	50	150	114	33.3	8 JS9	20	77	75								
	35 H7	35 h6	50	150	116	38.3	10 JS9	20	77	75								
CA69	40 H7	40 h6	65	168	126	43.3	12 JS9	19	86	84								
	45 H7	45 h6	65	168	126	48.8	14 JS9	19	86	84								
CA89	50 H7	50 h6	80	210	165	53.8	14 JS9	30	108	105								
	60 H7	50 h6	80	210	158	64.4	18 JS9	30	108	105								
Shrink disk	ds	ds to6	ds to7	g7	ls	is	q1s	qs										
CAS49	35	35 h6	35 H7	84	175	20	107.0	75										
CAS69	40	40 h6	40 H7	84	194	19	115.0	84										
CAS89	50	50 h6	50 H7	119	240	30	142.5	105										

Dimensional drawings

2-stage

Helical worm gearbox, gearbox size 49 to 89 - flange-mounted design



Helical worm gearbox, gearbox size 49 to 89 - flange-mounted design

Innomotics SG G115D		Motor frame size							
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L	LE112M	LE112MC
AG	FSA	177.5	196.0	196.0	201.0	201.0	-	-	-
	FSB	-	-	-	206.0	206.0	217.5	228.5	228.5
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-	-	-
	FSB	-	-	-	180.0	180.0	180.0	180.0	180.0
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-	-	-
	FSB	-	-	-	286.0	286.0	286.0	286.0	286.0
II	FSA	53.5	25.0	25.0	0.5	0.5	-	-	-
	FSB	-	-	-	27.0	27.0	5.0	-3.0	-3.0
Motor	Gearbox								
AC	C.F.49	138.8	156.3	156.3	173.8	173.8	198.0	222.0	222.0
	C.F.69								
	C.F.89								
k	C.F.49	471.5	511.5	511.5	538.0	578.0	629.5	604.5	639.0
	C.F.69	516.5	556.5	556.5	583.0	623.0	674.5	649.5	684.0
	C.F.89	552.5	588.5	588.5	615.0	655.0	706.5	681.5	706.5
kB	C.F.49	526.5	571.5	571.5	608.0	648.0	708.0	677.5	712.0
	C.F.69	571.5	616.5	616.5	653.0	693.0	753.0	722.5	757.0
	C.F.89	607.5	648.5	648.5	685.0	725.0	785.0	754.5	779.5

Gearbox	f	h to10	h4	o3	o4	o5	p2	Flange	a1	b1 to2	c1	e1	f1	s1	q3
C.F.49	110	112 -0.5	24.5	80	116	73	82.2		200	130 j6	12	165	3.5	11.0	100.0
C.F.69	128	140 -0.5	32.0	106	135	80	94.0		200	130 j6	12	165	4.0	11.0	126.5
C.F.89	154	180 -0.5	30.5	125	154	100	112.5		250	180 j6	15	215	4.0	13.5	150.5

Solid shaft	d to1	l	t	u	DR	q
CF49	30 k6	60	33.0	8	M10x12	165.0
CF69	35 k6	70	38.0	10	M12x28	196.5
CF89	45 k6	90	48.5	14	M16x36	240.5

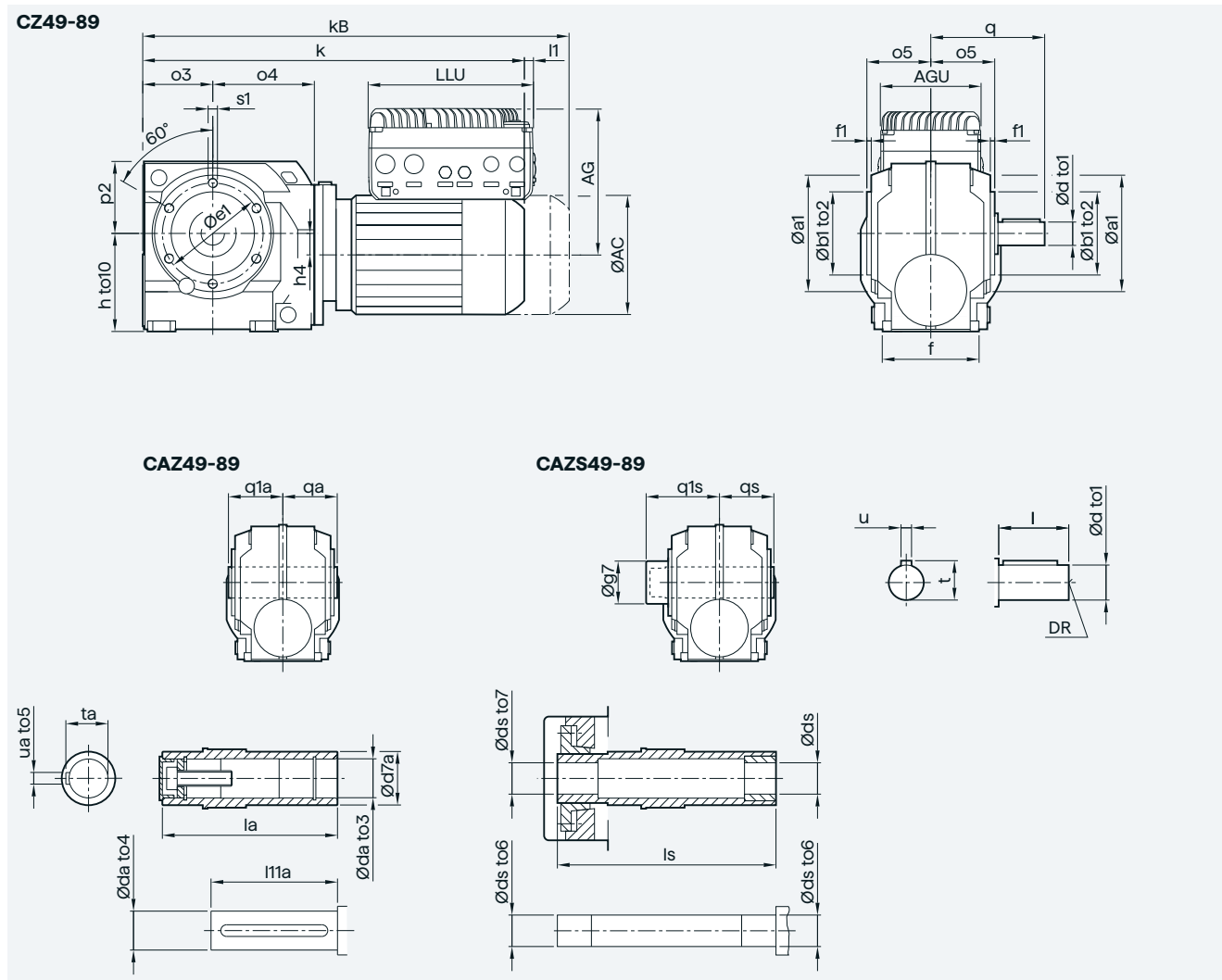
Hollow shaft	da to3	da to4	d7a	la	l11a	ta	ua to5	q1a	qa
CAF49	30 H7	30 h6	50	150	114	33.3	8 JS9	77	75
	35 H7	35 h6	50	150	116	38.3	10 JS9	77	75
CAF69	40 H7	40 h6	65	168	126	43.3	12 JS9	86	84
	45 H7	45 h6	65	168	126	48.8	14 JS9	86	84
CAF89	50 H7	50 h6	80	210	165	53.8	14 JS9	108	105
	60 H7	50 h6	80	210	158	64.4	18 JS9	108	105

Shrink disk	ds	ds to6	ds to7	g7	ls	q1s	qs
CAFS49	35	35 h6	35 H7	84	175	107.0	75
CAFS69	40	40 h6	40 H7	84	194	115.0	84
CAFS89	50	50 h6	50 H7	119	240	142.5	105

Dimensional drawings

2-stage

Helical worm gearbox, gearbox size 49 to 89 - housing flange design



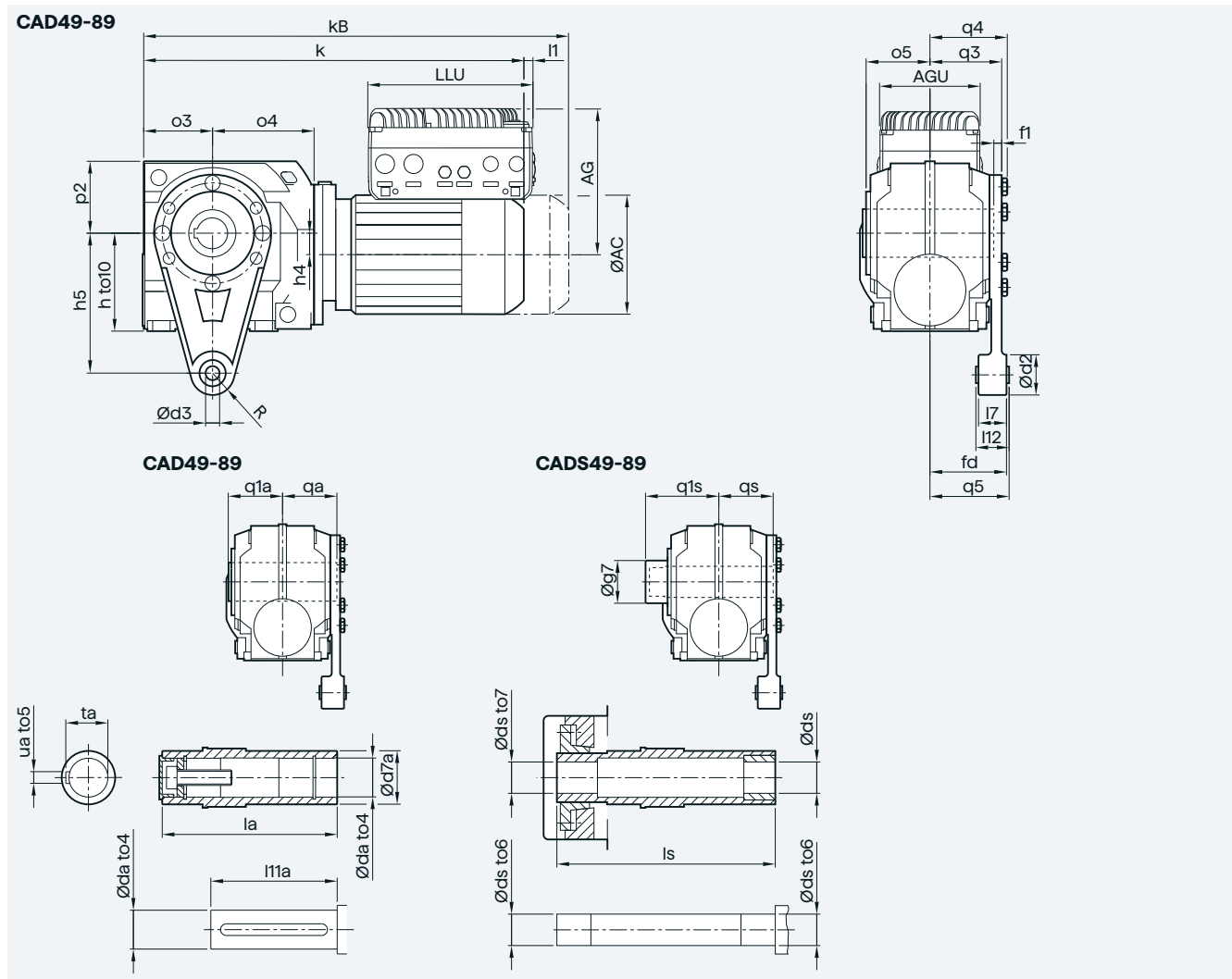
Helical worm gearbox, gearbox size 49 to 89 - housing flange design

Innomotics SG G115D		Motor frame size											
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L	LE112M	LE112MC				
AG	FSA	177.5	196.0	196.0	201.0	201.0	-	-	-				
	FSB	-	-	-	206.0	206.0	217.5	228.5	228.5				
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-	-	-				
	FSB	-	-	-	180.0	180.0	180.0	180.0	180.0				
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-	-	-				
	FSB	-	-	-	286.0	286.0	286.0	286.0	286.0				
II	FSA	53.5	25.0	25.0	0.5	0.5	-	-	-				
	FSB	-	-	-	27.0	27.0	5.0	-3.0	-3.0				
Motor	Gearbox												
AC	C.Z.49	138.8	156.3	156.3	173.8	173.8	198.0	222.0	222.0				
	C.Z.69												
	C.Z.89												
k	C.Z.49	471.5	511.5	511.5	538.0	578.0	629.5	604.5	639.0				
	C.Z.69	516.5	556.5	556.5	583.0	623.0	674.5	649.5	684.0				
	C.Z.89	552.5	588.5	588.5	615.0	655.0	706.5	681.5	706.5				
kB	C.Z.49	526.5	571.5	571.5	608.0	648.0	708.0	677.5	712.0				
	C.Z.69	571.5	616.5	616.5	653.0	693.0	753.0	722.5	757.0				
	C.Z.89	607.5	648.5	648.5	685.0	725.0	785.0	754.5	779.5				
Gearbox	f	h to10	h4	o3	o4	o5	p2	Centering	a1	b1 to2	e1	f1	s1
C.Z.49	110	112 -0.5	24.5	80	116	73	82.2		133	95 j6	115	5.0	M10x14.5
C.Z.69	128	140 -0.5	32.0	106	135	80	94.0		150	110 j6	130	3.5	M12x20
C.Z.89	154	180 -0.5	30.5	125	154	100	112.5		190	130 j6	165	3.5	M12x20
Solid shaft	d to1		l		t		u		DR		q		
CZ49	30 k6		60		33.0		8		M10x12		135		
CZ69	35 k6		70		38.0		10		M12x28		154		
CZ89	45 k6		90		48.5		14		M16x36		195		
Hollow shaft	da to3	da to4	d7a	la	l11a	ta	ua to5	q1a	qa				
CAZ49	30 H7	30 h6	50	150	114	33.3	8 JS9	77	75				
	35 H7	35 h6	50	150	116	38.3	10 JS9	77	75				
CAZ69	40 H7	40 h6	65	168	126	43.3	12 JS9	86	84				
	45 H7	45 h6	65	168	126	48.8	14 JS9	86	84				
CAZ89	50 H7	50 h6	80	210	165	53.8	14 JS9	108	105				
	60 H7	60 h6	80	210	158	64.4	18 JS9	108	105				
Shrink disk	ds	ds to6	ds to7	g7	ls	q1s	qs						
CAZS49	35	35 h6	35 H7	84	175	107.0	75						
CAZS69	40	40 h6	40 H7	84	194	115.0	84						
CAZS89	50	50 h6	50 H7	119	240	142.5	105						

Dimensional drawings

2-stage

Helical worm gearbox, gearbox size 49 to 89 - shaft-mounted design

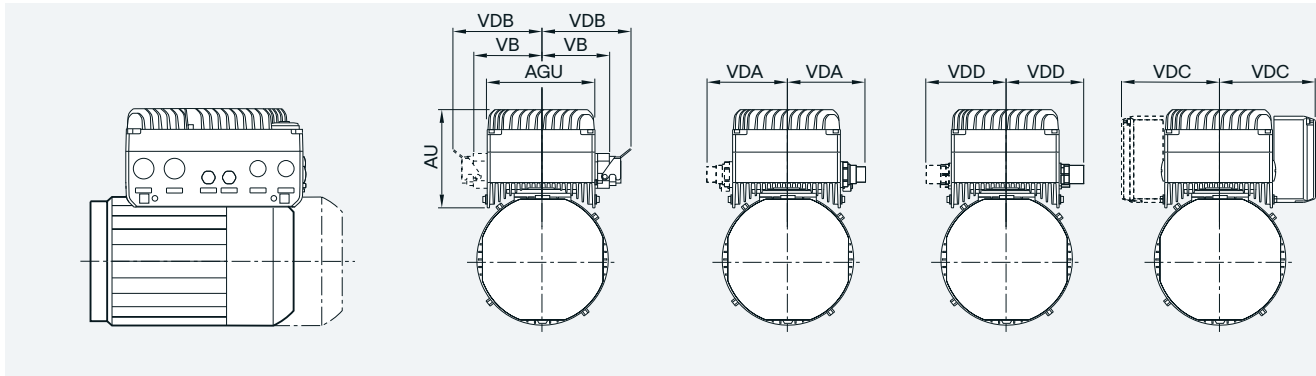


Helical worm gearbox, gearbox size 49 to 89 - shaft-mounted design

Innomotics SG G115D		Motor frame size																
Converter	Frame size	LE71MB	LE80MA	LE80MB	LE90S	LE90L	LE100L	LE112M	LE112MC									
AG	FSA	177.5	196.0	196.0	201.0	201.0	-	-	-									
	FSB	-	-	-	206.0	206.0	217.5	228.5	228.5									
AGU	FSA	146.0	146.0	146.0	146.0	146.0	-	-	-									
	FSB	-	-	-	180.0	180.0	180.0	180.0	180.0									
LLU	FSA	240.5	240.5	240.5	240.5	240.5	-	-	-									
	FSB	-	-	-	286.0	286.0	286.0	286.0	286.0									
lI	FSA	53.5	25.0	25.0	0.5	0.5	-	-	-									
	FSB	-	-	-	27.0	27.0	5.0	-3.0	-3.0									
Motor	Gearbox																	
AC	CAD.49	138.8	156.3	156.3	173.8	173.8	198.0	222.0	222.0									
	CAD.69																	
	CAD.89																	
k	CAD.49	471.5	511.5	511.5	538.0	578.0	629.5	604.5	639.0									
	CAD.69	516.5	556.5	556.5	583.0	623.0	674.5	649.5	684.0									
	CAD.89	552.5	588.5	588.5	615.0	655.0	706.5	681.5	706.5									
kB	CAD.49	526.5	571.5	571.5	608.0	648.0	708.0	677.5	712.0									
	CAD.69	571.5	616.5	616.5	653.0	693.0	753.0	722.5	757.0									
	CAD.89	607.5	648.5	648.5	685.0	725.0	785.0	754.5	779.5									
Gearbox	h to10	h4	o3	o4	o5	p2	Torque arm	d2	d3	f1	h5	l7	l12	q3	q4	q5	q6	R
CAD.49	112 -0.5	24.5	80	116	73	82.2		50	16	5.0	160	32	38	82.0	88.4	87.5	90.5	30
CAD.69	140 -0.5	32.0	106	135	80	94.0		60	25	7.5	200	40	46	91.5	99	97.5	100.5	30
CAD.89	180 -0.5	30.5	125	154	100	112.5		60	25	6.5	250	40	46	111.5	119	130.5	133.5	30
Hollow shaft	da to3	da to4	d7a	la	l11a	ta	ua to5	q1a	qa									
CAD49	30 H7	30 h6	50	150	114	33.3	8 JS9	77	75									
	35 H7	35 h6	50	150	116	38.3	10 JS9	77	75									
CAD69	40 H7	40 h6	65	168	126	43.3	12 JS9	86	84									
	45 H7	45 h6	65	168	126	48.8	14 JS9	86	84									
CAD89	50 H7	50 h6	80	210	165	53.8	14 JS9	108	105									
	60 H7	50 h6	80	210	158	64.4	18 JS9	108	105									
Shrink disk	ds	ds to6	ds to7	g7	ls	q1s	qs											
CADS49	35	35 h6	35 H7	84	175	107.0	75											
CADS69	40	40 h6	40 H7	84	194	115.0	84											
CADS89	50	50 h6	50 H7	119	240	142.5	105											

Dimensional drawings

Innomotics SG G115D with connections



Innomotics SG G115D			Plug-in connection Q4/2 + 7/8" + Power M12		Plug-in connection Quickon + Power M12	Plug-in connection MQ15+ Power M12	24 V DC power supply
Frame size	AU	AGU	VDB	VB	VDA	VDD	VDC
FSA	133	146	119.5	92.5	105.5	98.5	133
FSB	136	180	136.5	109.5	122.5	115.5	150

Innomotics

Moves!





7 Innomotics Moves!

7/2 Innomotics Geared Motors

- 7/2 Innomotics SG Geared Motors 2KJ3
- 7/4 Innomotics SG Gearboxes with adapter 2KJ3

7/6 Innomotics Low Voltage Motors

- 7/6 Innomotics GP and SD low-voltage motors
- 7/6 Innomotics XP explosion-protected motors

7/8 Innomotics SG Drive Train

1

2

3

4







5

6

7









8

Innomotics Moves!

Geared motors		Features	Degree of protection	Gearbox designation (stages)
Innomotics SG Geared Motors 2KJ3				
	Helical geared motors	1-stage, 2-stage and 3-stage Solid shaft designs	IP65	Z19 ... Z189 (2-stage) D19 ... D189 (3-stage) E39 ... E149 (1-stage)
	Parallel shaft geared motors	2-stage and 3-stage Hollow shaft designs Solid shaft designs	IP65	FZ29 ... FZ189 (2-stage) FD29 ... FD189 (3-stage)
	Bevel geared motors	2-stage and 3-stage Hollow shaft designs Solid shaft designs	IP65	B19 ... B49 (2-stage) K39 ... K189 (3-stage)
	Helical worm geared motors	2-stage Hollow shaft designs Solid shaft designs	IP65	C29 ... C89 (2-stage)
	Worm geared motors	1-stage Hollow shaft designs Solid shaft designs	IP65	S09 ... S29 (1-stage)
	Electric-monorail geared motors	2-stage and 3-stage Hollow shaft designs Solid shaft designs	IP65	BH.29 ... BH.39 (2-stage) KHF49 ... KHF79 (3-stage)

Gearbox size	Maximum output torque T_{2N} Nm					Gearbox transmission ratio i	Catalog
	10	100	1000	10000	100000		
19, 29, 39, 49, 59, 69, 79, 89, 109, 129, 149, 169, 189						1.29 ... 373	D 50.1
29, 39, 49, 69, 79, 89, 109, 129, 149, 169, 189						3.57 ... 413	
19, 29, 39, 49, 69, 79, 89, 109, 129, 149, 169, 189						3.47 ... 244.25	
29, 39A, 49, 69, 89						6.43 ... 363	
09, 19, 29						5 ... 100	
29, 39, 49, 69, 79						7.23 ... 244.25	

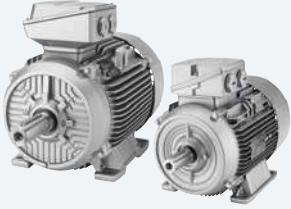
Innomotics Geared Motors
Innomotics Moves!



Gearbox with adapter	Features	Gearboxes	Low voltage motors	
Innomotics SG Gearbox with adapter2KJ3				
	Adapter KU Coupling adapter with flexible coupling	_ Helical gearboxes _ Parallel shaft gearboxes _ Bevel gearboxes _ Helical worm gearboxes	_ Innomotics GP/SD low-voltage motors _ Innomotics XP explosion-protected motors	
	Adapter K4 Short adapter with plug-in connection	_ Helical gearboxes _ Parallel shaft gearboxes _ Bevel gearboxes _ Helical worm gearboxes	_ Innomotics GP/SD low-voltage motors _ Innomotics XP explosion-protected motors	
	Adapter K2 Coupling adapter with flexible coupling	_ Helical gearboxes _ Parallel shaft gearboxes _ Bevel gearboxes _ Helical worm gearboxes	_ Innomotics GP/SD low-voltage motors _ Innomotics XP explosion-protected motors	
	KS adapter Coupling adapter with flexible coupling exclusively for mounting defined Siemens servo motors	_ Helical gearboxes _ Parallel shaft gearboxes _ Bevel gearboxes _ Helical worm gearboxes	_ SIMOTICS S-1FK2 _ SIMOTICS S-1FK7 _ SIMOTICS S-1FT7 _ SIMOTICS M-1PH8 (1PH808 and 1PH810) _ SIMOTICS S-1FL6	
	Adapter K8 Coupling adapter with flexible coupling for mounting a servo motor from the SIMOTICS M-1PH8 range	_ Helical gearboxes _ Parallel shaft gearboxes _ Bevel gearboxes _ Helical worm gearboxes	_ SIMOTICS M-1PH8 (from 1PH813)	
	Adapter K5 Short adapter with plug-in connection	_ Helical gearboxes _ Parallel shaft gearboxes _ Bevel gearboxes _ Helical worm gearboxes	_ NEMA motors	
	Adapter K3 Coupling adapter with flexible coupling	_ Helical gearboxes _ Parallel shaft gearboxes _ Bevel gearboxes _ Helical worm gearboxes	_ NEMA motors	
	Adapter A/AZ Adapters with free input shaft	_ Helical gearboxes _ Parallel shaft gearboxes _ Bevel gearboxes _ Helical worm gearboxes	-	

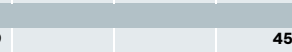
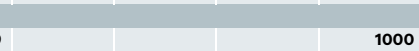
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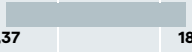
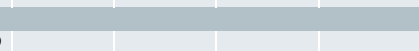
Gearbox size	Maximum output torque T_{2N} Nm					Gearbox transmission ratio i	Catalog
	10	100	1000	10000	100000		
29, 39, 49, 59, 69, 79, 89, 109, 129, 149, 169, 189						_ 1.29 ... 373 _ 3.57 ... 413 _ 3.47 ... 244.25 _ 6.43 ... 363	D 50.11
29, 39, 49, 69, 79, 89, 109, 129, 149, 169, 189						_ 1.29 ... 373 _ 3.57 ... 413 _ 3.47 ... 244.25 _ 6.43 ... 363	
29, 39, 49, 69, 79, 89, 109, 129, 149, 169, 189						_ 1.29 ... 373 _ 3.57 ... 413 _ 3.47 ... 244.25 _ 6.43 ... 363	
19, 29, 39, 49, 59, 69, 79, 89, 109, 129, 149, 169, 189						_ 1.29 ... 373 _ 3.57 ... 413 _ 3.47 ... 244.25 _ 6.43 ... 363	
89, 109, 129, 149, 169, 189						_ 3.85 ... 373 _ 3.76 ... 413 _ 5.81 ... 244.25 _ 6.86 ... 363	
29, 39, 49, 69, 79, 89, 109, 129, 149, 169, 189						_ 1.29 ... 373 _ 3.57 ... 413 _ 3.47 ... 244.25 _ 6.43 ... 363	
29, 39, 49, 69, 79, 89, 109, 129, 149, 169, 189						_ 1.29 ... 373 _ 3.57 ... 413 _ 3.47 ... 244.25 _ 6.43 ... 363	
29, 39, 49, 69, 79, 89, 109, 129, 149, 169, 189						_ 1.29 ... 373 _ 3.57 ... 413 _ 3.47 ... 244.25 _ 6.43 ... 363	

Innomotics Moves!


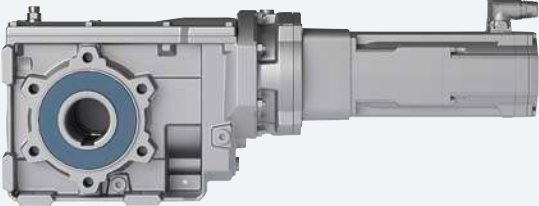
Motor type	Features	Degree of protection	Cooling method
Innomotics GP and SD low voltage motors			
 <p>Innomotics GP 1LE10 and VSD10 line 1LE10 standard motors Innomotics GP VSD4000 line 1FP10 reluctance motors</p>	For general purpose applications Motors with an aluminum housing	IP55	Natural cooling/ Forced ventilation
 <p>Innomotics SD 1LE15, 1LE16, and VSD10 line 1LE15 standard motors Innomotics SD VSD4000 line 1FP15 reluctance motors</p>	For severe duty applications Motors with cast-iron housing	IP55	Natural cooling

Motor type	Features	Type of protection	Cooling method
Innomotics XP explosion-protected motors			
 <p>Innomotics XP 1MB10 explosion-protected motors</p>	Seamless series of explosion-protected motors for gas and dust protection in harsh, hazardous areas Motors with an aluminum housing	Ex tb, Ex tc, Ex ec	Natural cooling
 <p>Innomotics XP 1MB15, 1MB16, 1MB5 explosion-protected motors</p>	Seamless series of explosion-protected motors for gas and dust protection in harsh, hazardous areas Motors with cast-iron housing	Ex tb, Ex tc, Ex ec	Natural cooling

Shaft height (SH)	Rated power PN for S1 duty type1 kW	Rated torque T_N	Catalog
63, 71, 80, 90, 100, 112, 132, 160, 180, 200	0,09  45	0.6 ... 294 Nm	D 81.1
71, 80, 90, 100, 112, 132, 160, 180, 200, 225, 250, 280, 315, 355, 400, 450	0,09  1000	1.0 ... 8100 Nm	

Shaft height (SH)	Rated power PN for S1 duty type1 kW	Rated torque T_N	Catalog
80, 90, 100, 112, 132, 160	0,01 0,1 1 10 100 1000 10000 0,37  18,5	2.5 ... 109 Nm	D 81.1
71, 80, 90, 100, 112, 132, 160, 180, 200, 225, 250, 280, 315, 355, 400, 450	0,09  1000	1.2 ... 8100 Nm	

Innomotics Moves!

Innomotics SG Drive Train	Flexible combinations of		
	<p>Motors</p> <p>Innomotics GP/SD low voltage motors</p> <p>Innomotics XP explosion-protected motors</p>	<p>Innomotics SG gearboxes</p> <p>Helical gearbox</p> <p>Parallel shaft gearbox</p> <p>Bevel gearbox</p> <p>Helical worm gearbox</p>	<p>Innomotics SG adapters</p> <p>K2 adapter</p> <p>K4 adapter</p> <p>KU adapter</p>
	<p>SIMOTICS S-1FK2</p> <p>SIMOTICS S-1FK7</p> <p>Siemens servomotors</p>	<p>Helical gearbox</p> <p>Parallel shaft gearbox</p> <p>Bevel gearbox</p> <p>Helical worm gearbox</p>	<p>KS adapter</p>

Configuration is possible in the TIA Selection Tool.

More information on the TIA Selection Tool can be found at www.siemens.com/tia-selection-tool

Appendix





8

Appendix

8/2 Lists

- 8/2 List of order codes
- 8/4 List of variables to dimension the drive
- 8/8 List of abbreviations

8/9 Innomotics Customer Services

- 8/9 Overview

8/9 Conversion tables

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Appendix

List of order codes

Order code	Special design Designation	Detailed data Chapter/Page
Brake options		
C01	Enclosed brake	4/14
C02	Manual brake release lever	4/12
C03	Manual brake release lever with locking mechanism	4/12
Manual brake release lever position		
C26	1	4/12
C27	2	4/12
C28	3	4/12
C29	4	4/12
Mounting positions		
D01 ... D06	Mounting positions of the geared motors (helical and parallel shaft gearboxes)	4/16
D11 ... D16 and D21 ... D26	Mounting position of the geared motors (bevel, helical worm gearboxes)	4/16
Shaft-mounted version helical worm gearbox		
G09	Figure 1	4/20
G10	Figure 2	4/20
Output shaft bearings		
G20	Radially reinforced output shaft bearings	4/23
Output sealing		
G23	Seal with longer service life	4/25
G24	Seal for increased environmental stress	4/25
G25	Seal for high temperatures	4/25
Gearbox venting		
G45	Pressure breather valve	4/26
G49	Pressure breather valve stainless steel	4/26
G47	Oil expansion unit	4/27
Oil drain		
G53	Magnetic oil drain screw	4/28
G54	Oil drain valve, straight	4/28
G55	Oil drain valve, angled	4/28
Hollow shaft cover		
G60	Protective cover	4/23
Shrink-glued output gearwheel		
G97	Shrink-glued output gearwheel	4/29
Reduced-backlash version		
G99	Reduced-backlash version	4/29
Flange diameter		
H01 ... H09	Flange diameter	4/18
Shaft designs		
H31 ... H66	Shafts	4/21 ... 4/22
Mounting types		
—	Foot-mounted design	4/18
H71	Foot/flange-mounted design	4/18
H72	Shaft-mounted design	4/18
H74	Flange-mounted design	4/18
H76	Housing flange	4/18
Degree of protection		
K01	IP55	4/4
K03	IP65	4/4
Lubricants		
K06	CLP ISO VG220	4/24
K07	CLP ISO PG VG220	4/24
K08	CLP ISO PG VG460	4/24
K10	CLP ISO E VG220	4/24
K11	CLP ISO H1 VG460	4/24
K12	CLP ISO PAO VG220	4/24
K13	CLP ISO PAO VG68	4/24
K14	CLP ISO H1 VG100	4/24
Long-term preservation		
K17	Long-term preservation up to 36 months	4/32
Rating plate and additional plates		
K41	Second rating plate, supplied loose	4/34
K68	Second rating plate, mounted	4/34
Ambient temperature		
K94	-20 °C to +55 °C	4/24
K97	-30 °C to +40 °C	4/24

Order code	Special design Designation	Detailed data Chapter/Page
Surface treatment		
L00	Unpainted	4/30
L01	Primed according to corrosivity category C2 G	4/30
L02	Surface protection for normal environmental stress C1	4/30
L03	Surface protection for low environmental stress C2	4/30
L04	Surface protection for average environmental stress C3	4/30
L11	Centering not painted	4/30
L12	Flange completely painted	4/30
L19	Special pretreatment	4/30
L27	Centerings not painted on both sides	4/30
RAL colors		
L50	RAL 5015 sky blue	4/31
L53	RAL 7031 blue gray	4/31
L55	RAL 7030 stone gray	4/31
L75	RAL 7016 anthracite gray	4/31
L80	RAL 9011 graphite black	4/31
L83	RAL 7012 basalt gray	4/31
Windings and insulation		
N54	Increased air humidity/temperature with 30 to 60 g water per m ² of air	4/5
Cooling and ventilation		
M21	Metal fan	4/5
Terminal box position		
M55	Position 1	4/2
M59	Position 2	4/2
M63	Position 3	4/2
M67	Position 4	4/2
Location and position of the terminal box		
M55 ... M70	Location of the terminal box / Position of the cable entry	4/6
Motor plug		
N01	HAN 10E motor plug (2 brackets) EMV	4/9
N06	HAN 10E motor plug (1 brackets) EMV	4/9
N18	HAN 10E counter plug	4/9
Connection types		
V01 ... V23	Without fieldbus communication (I/O Control)	4/3
	AS-Interface	4/3
	PROFINET, EtherNet/IP	4/3
Power supply		
V70	Integrated power supply unit for 24 V DC power supply	4/3
V71	24 V DC power supplies jumpered for DIO 24/25	4/3
Canopy		
N22	Canopy	4/14
Designs for special environmental conditions		
L06	Increased corrosion protection for mounted motor components	4/15
N41	Internal stator corrosion protection	4/15
N46	Condensation drain hole	4/15
Documentation		
W10	Acceptance test certificate EN 10204-3.1 for the motor	4/35
W11	Acceptance test certificate EN 10204-3.1 for gearboxes	4/35
W12	Acceptance test certificate EN 10204-3.1 for paint finish	4/35
Packaging options		
W40	Individual packaging carton	4/36
W46	Collective packaging overseas	4/36
W47	Individual packaging VCI corrosion inhibiting film	4/36
W49	Collective packaging neutral packaging overseas	4/36
W52	Collective packaging VCI corrosion inhibiting film	4/36
Extension of the liability for defects		
W80	Extension of the liability for defects by 12 months to a total of 24 months from delivery	4/35
W82	Extension of the liability for defects by 24 months to a total of 36 months from delivery	4/35

Appendix

List of variables to dimension drives

Overview of data to dimension drives

Code	Description	Unit
a	Gearbox constant for calculating the radial force	kNmm
α	Force application angle	°
b, d, l, y, z	Gearbox constants	mm
C	Additional factor to calculate the radial force	-
$\cos \varphi$	Power factor	-
d	Diameter of the input element	mm
d0	Average diameter of the mounted transmission element	mm
DC	Cyclic duration factor	%
η	Efficiency	%
f	Rated frequency	Hz
f_b	Service factor	-
f_{b1}	Required service factor	-
f_{btot}	Service factor of the driven machine	-
f_{br}	Braking torque correction factor	-
f_{limit}	Limit frequency	Hz
f_N	Rated motor frequency	Hz
F_{ax}	Permissible axial force	N
F_G	Force due to weight	N
F_r	Radial force at the output shaft	N
F_{R2}	Permissible radial force at the center of shaft extension (l/2)	N
F_{R2max}	Maximum permissible radial force according to table	N
F_{Ravail}	Available radial force from the mounted transmission element	N
F_x	Permissible radial force from out of center force application point	N
F_{xperm1}	Permissible radial force, limited by the bearing service life, at a distance of x from the shaft shoulder	N
F_{xperm2}	Permissible radial force, limited by the shaft strength, at a distance of x from the shaft shoulder	N
H	Vertical distance between running wheel axis and center of gravity	mm
i	Transmission ratio	-
I_A	Starting current	A
I_N	Rated current	A
J_2	Moment of inertia referred to the output speed of the gearbox	kgm ²
J_{AD}	Moment of inertia of the adapter	kgm ²
J_{add}	Additional moment of inertia	kgm ²
J_B	Moment of inertia of the brake	kgm ²
J_{bstp}	Moment of inertia of cage and inner ring	kgm ²
J_G	Moment of inertia of the gearbox reduced to the input shaft	kgm ²
J_{mot}	Moment of inertia of the motor	kgm ²
J_k	Moment of inertia of the load referred to the motor shaft	kgm ²
J_z	Additional moment of inertia of a high inertia fan	kgm ²
k	Factor for taking into account operating conditions	-
k_{DC}	Factor for increased power	-
k_{F1}	Factor for taking into account the additional moment of inertia	-

Code	Description	Unit
k_{HT}	Factor for abnormal coolant temperature and installation altitude	-
k_M	Factor for taking into account the load torque while accelerating	-
k_P	Factor for taking into account the required power and duty cycle	-
L1	Distance between running wheels	mm
L2	Horizontal distance between running wheel and center of gravity	mm
L3	Distance between swivel joints	mm
L_{n10}	Nominal bearing service life	h
L_N	Service life of the brake lining until readjustment	h
L_{na}	Modified bearing service life	h
L_{nmax}	Service life of the brake lining until replacement	h
L_{pfA}	Measuring surface sound pressure level	dB (A)
L_{WA}	Sound power level	dB (A)
m	Drive weight without any oil	kg
m_{AF}	Mass acceleration factor	-
m_{bstp}	Weight of the backstop	kg
m_{fan}	Fan weight	kg
m_{mot}	Motor weight (without end shield at DE)	kg
n_1	Input speed of the gearbox	rpm
n_2	Output speed of the gearbox	rpm
n_{dis}	Disengage speed	rpm
n_{br}	Braking speed	rpm
n_{max}	Maximum speed	rpm
n_N	Rated speed	rpm
P_1	Actual steady-state power of the motor	kW
P_{DC}	Power for the new duty cycle	kW
P_{req}	Required input power	kW
P_{mot}	Motor power	kW
P_N	Rated motor power	kW
P_{perm}	Permissible motor power	kW
P_S	Actual steady-state power of the motor	kW
Q_{perm}	Permissible operating energy	J
r	Radius of the output element	m
R_{ex}	Exact number of teeth ratio	-
RWC	Running wheel center	-
s_{br}	Braking distance	m
s_{gap}	Brake air gap	mm
s_{gapmax}	Maximum brake air gap	mm
S	Center of gravity	mm
t_1	Application time of the brake	ms
t_2	Disconnection time	ms
t_3	Slipping time	ms
t_{r1}	Response time	ms
t_{r2}	Rise time	ms
t_{br}	Braking time	s
t_R	Duty cycle (decimal)	-
t_s	Cycle duration	ms

Overview of data to dimension drives

Code	Description	Unit
T	Additional factor for ambient temperature	-
T_{imax}	Maximum permissible motor torque	Nm
T_2	Geared motor output torque	Nm
$T_{2\text{req}}$	Required output torque of the driven machine	Nm
T_{2N}	Maximum output torque of the gearbox	Nm
T_A	Acceleration torque of the motor	Nm
T_{Bk}	Breakdown torque	Nm
T_{br}	Rated braking torque	Nm
T_{DC}	Torque for the new duty cycle	Nm
T_N	Rated motor torque	Nm
T_{req}	Required torque	Nm
T_{SP}	Rated backstop torque	Nm
T_{St}	Relative starting torque	Nm
T_x	Reduced load torque	Nm
U	Rated voltage	V
v	Travel velocity	m/s
W_1	Friction energy per braking operation	J
W_{tot}	Friction energy until the brake lining is replaced	MJ
W_V	Friction energy until the brake is readjusted	MJ
x	Distance from the shaft shoulder up to the point where force is applied	mm
x1	Distance from the shaft shoulder up to the force application point at running wheel center for F_x	mm
Z	Switching frequency	1/h
Z_0	No-load switching frequency, motor without brake	1/h
Z_A	No-load switching frequency, motor with brake	1/h
Z_{perm}	Permissible switching frequency	1/h
ϑ_{amb}	Ambient temperature	°C

Appendix

List of variables to dimension drives

Important drive technology variables

SI unit Size	Formula symbol		Unit symbol		Designation or Conversion factor *)
	SI	Previously	SI	Previously	
Length (distance)	<i>l</i>	L, s	m	m	1 km = 1 000 m
Surface	A	F	m ²	m ²	1 m ² = 100 dm ²
Volume	V	V	m ³	m ³	1 m ³ = 1 000 dm ³ 1 dm ³ = 1 l
Plane angle	α, β, γ	α, β, γ	rad,	Grad °	1 rad = 1 m/m 1 L = π/2 rad 1° = π/180 rad
Rotation angle	φ	φ		Grad °	1' = 1°/60; 1" = 1'/60
Time					1 min = 60 s 1 h = 60 min
Time period/duration	<i>t</i>	t	s	s	1 d = 24 h
Frequency	<i>f</i>	f	Hz	1/s	1 Hz = 1/s
Speed	<i>n</i>	n	min ⁻¹	U/min	Revolutions per minute
Velocity	<i>v</i>	v	m/s	m/s	1 km/h = $\frac{1}{3,6}$ m/s
Acceleration	<i>a</i>	<i>b</i>	m/s ²	m/s ²	g = 9,81 m/s ²
Acceleration due to gravity	<i>g</i>	<i>g</i>			
Angular velocity	ω	Ω	rad/s	1/s	
Angular acceleration	α	ζ	rad/s ²	1/s ²	
Mass	<i>m</i>	<i>m</i>	kg	kg	1
Density		<i>d</i>	kg/dm ³	kg/dm ³	10 ³
Force	<i>G</i>	<i>P, K</i>	N	kp	9,81
Force due to weight	<i>G</i>	<i>G</i>			1 N = 1 kg · 1 m/s ²
Pressure	<i>p</i>	<i>p</i>	Pa N/m ²	kp/cm ² kp/mm ²	1 Pa = 1 N/m ² 9,81 · 10 ⁴ 9,81
Mechanical tension	σ	σ	N/mm ²	kp/mm ²	9,81
Work	<i>W</i>	<i>A</i>		kpm	9,81
Energy	<i>W</i>	<i>E</i>	J	kcal	4187
Quantity of heat	<i>Q</i>	<i>Q</i>			1 J = 1 Nm = 1 Ws
Torque of a force	<i>T</i>	<i>M_t, M_d, M_b</i>	Nm	kpm	9,81
Torque					1 Nm = 1 J
Bending torque					
Power	<i>P</i>	N	W	PS	735,5 1 W = 1 J/s = 1 Nm/s = $\frac{\text{kgm}^2}{\text{s}^3}$
Moment of inertia	<i>J</i>	θ	kgm ²	kpm ²	9,81

*) The numerical value of a variable in previously used units multiplied by the conversion rate gives the numerical value of the variable in SI units.

Conversion from kW to hp:

$$1 \text{ kW} = 1,34102 \text{ hp}$$

$$1 \text{ hp} = 0,745700 \text{ kW}$$

$$1 \text{ hp} = 1,01387 \text{ PS}$$

hp = horse power (US)

PS = Pferdestärke (horsepower in German)

Important drive technology variables

SI unit Size	Formula symbol		Unit symbol		Designation or Conversion factor *)
	SI	Previously	SI	Previously	
Dynamic viscosity	η	η	Pa · s	P	10^{-1}
Kinematic viscosity	ν	ν	m ² /s	St	10^{-4}
Electrical current	I	I	A	A	$1 A = 1 W/V = 1 V/\Omega$
Electrical voltage	U	U	V	V	$1 V = 1 W/A$
Electrical resistance	R	R	W	W	$1 \Omega = 1 V/A = 1/S$
Electrical conductance	G	G	S	S	$1 S = 1/\Omega$
Electrical capacitance	C	C	F	F	$1 F = 1 C/V$
Electric charge	Q	Q	C	C	$1 C = 1 A \cdot s$
Inductance	L	L	H	H	$1 H = 1 Vs/A$
Magnetic flux density Induction	B	B	T	G	10^4 $1 T = 1 Wb/m^2$
Magnetic field strength	H	H	A/m	A/m	
Magnetic flux	Φ	φ	Wb	M	10^8 $1 Wb = 1 V \cdot s$
Temperature	T(θ)	t	K(°C)	°C	$0 K = -273,15 \text{ } ^\circ\text{C}$

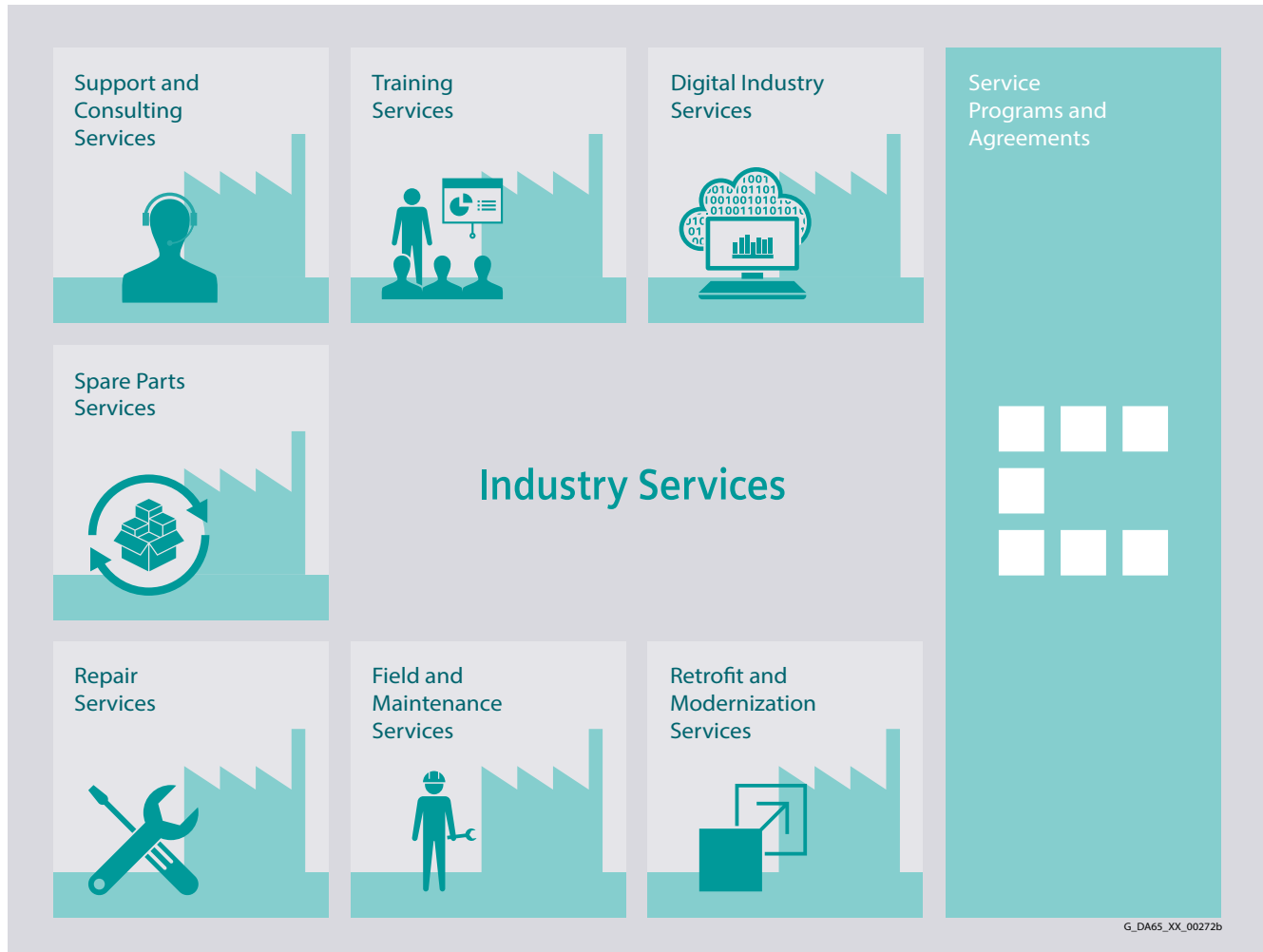
*) The numerical value of a variable in previously used units multiplied by the conversion rate gives the numerical value of the variable in SI units.

Appendix

List of abbreviations

Abbreviation	Meaning	Abbreviation	Meaning
AC	Alternating Current, three-phase	MODULOG	Modular logistically optimized design (motor)
ATEX	Atmosphères explosibles	NAT	Rated response temperature
BIS	Bureau of Indian Standards	NDE	Non-drive end
CAD	Computer-Aided Design	NEE	NEMA Energy Efficient
CCC	China Compulsory Certification	NN	Sea level
CEL	China Energy Label	NPT	National Pipe Thread
CEMEP	Comité Européen de Constructeurs de Machines Électriques et d'Électronique de Puissance (European sector committee of manufacturers of electrical machines)	PAO	Polyalphaolefine
		PDS	Power Drive System
CONT	Continuous duty	PE	Protective Earth, grounding
CQC	China Quality Certification Center	PG	Polyglycol
CSA	Canadian Standard Association	PTC	Positive Temperature Coefficient
CT	Coolant temperature	RoHS	Restriction of hazardous substances
DC	Direct Current	SA	Installation altitude
DC	Duty cycle	SSI	Simple Sensor Interface
DE	Drive end	TIA	Totally Integrated Automation
DIN	German Institute for Standardization (Deutsches Institut für Normen e. V.)	TIP	Totally Integrated Power
EAC	Eurasian conformity	TR CU	Technical Regulation Customs Union
EBPG	Energy-related products directive	TTL	Transistor Transistor Logic
EC	European Community	UL-R	Underwriters Laboratories Inc. -Recognition Mark
ECL	Energy Conservation Law of PRC	VDE	Association of Electrical Engineering, Electronics and Information Technology (Verband der Elektrotechnik Elektronik Informationstechnik e. V.)
EER	Energy Efficiency Regulations		
EFF	Efficiency	VDI	Association of German Engineers (Verein Deutscher Ingenieure)
EGE	European Size Unit (Europäische Größeneinheit)	WEEE	Waste electrical and electronic equipment
EISA	Energy Independence and Security Act	WGK	Class, signifying risk of water pollution
EMC	Electromagnetic compatibility	Width A/F	Width across flats
EN	European standard		
EPAAct	Energy Policy Act		
EU	European Union		
EuP	Energy Using Products		
FVA	Research Association for Drive Technology (Forschungsvereinigung Antriebstechnik e. V.)		
HF	High frequency		
HTL	High Transistor Logic		
IDS	Integrated Drive Systems		
IE	International Efficiency		
IEC	International Electrotechnical Commission		
IP	International Protection		
ISO	International Organization of Standardization		

Overview



Keep your business running and shape your digital future – with Customer Services for Innomotics

Optimizing the productivity of your equipment and operations can be a challenge, especially with constantly changing market conditions. Working with our service experts makes it easier. We understand your industry's unique processes and provide the services needed so that you can better achieve your business goals.

You can count on us to maximize your uptime and minimize your downtime, increasing your operations' productivity and reliability. When your operations have to be changed quickly to meet a new demand or business opportunity, our services give you the flexibility to adapt.

We assist in keeping your operations as energy and resource efficient as possible and reducing your total cost of ownership. As a trendsetter, we ensure that you can capitalize on the opportunities of digitalization and by applying data analytics to enhance decision making: You can be sure that your plant reaches its full potential and retains this over the longer lifespan.

You can rely on our highly dedicated team of engineers, technicians and specialists to deliver the services you need – safely, professionally and in compliance with all regulations. We are there for you, where you need us, when you need us.

www.innomotics.com/services

Appendix

Overview



Support and Consulting Services

Benefit from our wide range of Support and Consulting Services:

Our Innomotics portal offers you comprehensive information, application examples, FAQs and support request options at portal.innomotics.com. This also comprises Technical Support and Diagnostics, including advice and answers to inquiries about functionality, application and fault clearance.



Field and Maintenance Services

As part of Field and Maintenance Services, our global network of specialists offers you high-quality maintenance services and optimized commissioning times.

Maximize the availability of your systems by offering regular inspections and “health checks” and optimize your production processes.



Repair Services

We offer Repair Services with specialized service technicians on site and in regional repair centers to quickly restore the functionality of faulty devices. Extended repair services are also available, including additional diagnostic and repair measures as well as emergency services.



Spare Parts

Spare Parts Services means optimum system availability in two ways: fast delivery of original spare parts for up to ten years, with optimized logistics processes – and preventive spare parts provisioning at the customer's premises through coordinated spare parts packages for individual products, custom-assembled drive components and entire integrated drive trains.



Training Services

Training Services are geared entirely towards offering our know-how as a manufacturer didactically concentrated to the industry and expanding the competence of your employees in handling the entire spectrum of Innomotics products. This ranges from basic skills training courses to specialized training for advanced technical skills.



Retrofit and Upgrade Services

Use Retrofit and Upgrade Services to extend the service life of your machines and plants. Optimize the availability, reliability and energy efficiency of your installed motors and drives by retrofitting existing products and systems. Your benefit: Optimized performance, higher productivity and stable production processes with highly available drives.



Digital Services

Two service packages from our digital Inspire IQ range provide you with optimum support for your work.

The first package Rapid Response, is all about getting your devices up and running again as quickly as possible. The second, Guided Supervision, is a service package specifically for the challenges of continuous monitoring.



Service Agreements

The Service Agreements give you the opportunity to bundle a variety of services in a single annual or multi-year contract. You can select these individually to match your requirements or fill gaps in your organization's maintenance capacities. Programs and agreements can be contracted on a KPI-based and/or performance-based basis.

Rotary inertia (to convert from A to B, multiply by entry in table)

A \ B	lb-in ²	lb-ft ²	lb-in-s ²	lb-ft-s ² slug-ft ²	kg-cm ²	kg-cm-s ²	gm-cm ²	gm-cm-s ²	oz-in ²	oz-in-s ²
lb-in ²	1	6.94×10^{-3}	2.59×10^{-3}	2.15×10^{-4}	2.926	2.98×10^{-3}	2.92×10^3	2.984	16	4.14×10^{-2}
lb-ft ²	144	1	0.3729	3.10×10^{-2}	421.40	0.4297	4.21×10^5	429.71	2304	5.967
lb-in-s ²	386.08	2.681	1	8.33×10^{-2}	1.129×10^3	1.152	1.129×10^6	1.152×10^3	6.177×10^3	16
lb-ft-s ² slug-ft ²	4.63×10^3	32.17	12	1	1.35×10^4	13.825	1.355×10^7	1.38×10^4	7.41×10^4	192
kg-cm ²	0.3417	2.37×10^{-3}	8.85×10^{-4}	7.37×10^{-5}	1	1.019×10^{-3}	1000	1.019	5.46	1.41×10^{-2}
kg-cm-s ²	335.1	2.327	0.8679	7.23×10^{-2}	980.66	1	9.8×10^5	1000	5.36×10^3	13.887
gm-cm ²	3.417×10^{-4}	2.37×10^{-6}	8.85×10^{-7}	7.37×10^{-8}	1×10^{-3}	1.01×10^{-6}	1	1.01×10^{-3}	5.46×10^{-3}	1.41×10^{-5}
gm-cm-s ²	0.335	2.32×10^{-3}	8.67×10^{-4}	7.23×10^{-5}	0.9806	1×10^{-3}	980.6	1	5.36	1.38×10^{-2}
oz-in ²	0.0625	4.34×10^{-4}	1.61×10^{-4}	1.34×10^{-5}	0.182	1.86×10^{-4}	182.9	0.186	1	2.59×10^{-3}
oz-in-s ²	24.13	0.1675	6.25×10^{-2}	5.20×10^{-3}	70.615	7.20×10^{-2}	7.09×10^4	72.0	386.08	1

Torque (to convert from A to B, multiply by entry in table)

A \ B	lb-in	lb-ft	oz-in	N-m	kg-cm	kg-m	gm-cm	dyne-cm
lb-in	1	8.333×10^{-2}	16	0.113	1.152	1.152×10^{-2}	1.152×10^3	1.129×10^6
lb-ft	12	1	192	1.355	13.825	0.138	1.382×10^4	1.355×10^7
oz-in	6.25×10^{-2}	5.208×10^{-3}	1	7.061×10^{-3}	7.200×10^{-2}	7.200×10^{-4}	72.007	7.061×10^4
N-m	8.850	0.737	141.612	1	10.197	0.102	1.019×10^4	1×10^7
kg-cm	0.8679	7.233×10^{-2}	13.877	9.806×10^{-2}	1	10^{-2}	1000	9.806×10^5
kg-m	86.796	7.233	1.388×10^3	9.806	100	1	1×10^5	9.806×10^7
gm-cm	8.679×10^{-4}	7.233×10^{-5}	1.388×10^{-2}	9.806×10^{-5}	1×10^{-3}	1×10^{-5}	1	980.665
dyne-cm	8.850×10^{-7}	7.375×10^{-8}	1.416×10^{-5}	10^{-7}	1.0197×10^{-6}	1.019×10^{-8}	1.019×10^{-3}	1

Length (to convert from A to B, multiply by entry in table)

A \ B	inches	feet	cm	yd	mm	m
inches	1	0.0833	2.54	0.028	25.4	0.0254
feet	12	1	30.48	0.333	304.8	0.3048
cm	0.3937	0.03281	1	1.09×10^{-2}	10	0.01
yd	36	3	91.44	1	914.4	0.914
mm	0.03937	0.00328	0.1	1.09×10^{-3}	1	0.001
m	39.37	3.281	100	1.09	1000	1

Force (to convert from A to B, multiply by entry in table)

A \ B	lb	oz	gm	dyne	N
lb	1	16	453.6	4.448×10^5	4.4482
oz	0.0625	1	28.35	2.780×10^4	0.27801
gm	2.205×10^{-3}	0.03527	1	1.02×10^{-3}	N.A.
dyne	2.248×10^{-6}	3.59×10^{-5}	980.7	1	0.00001
N	0.22481	3.5967	N.A.	100000	1

Power (to convert from A to B, multiply by entry in table)

A \ B	hp	Watts
hp (English)	1	745.7
(lb-in) (deg./s)	2.645×10^{-6}	1.972×10^{-3}
(lb-in) (rpm)	1.587×10^{-5}	1.183×10^{-2}
(lb-ft) (deg./s)	3.173×10^{-5}	2.366×10^{-2}
(lb-ft) (rpm)	1.904×10^{-4}	0.1420
Watts	1.341×10^{-3}	1

Mass (to convert from A to B, multiply by entry in table)

A \ B	lb	oz	gm	kg	slug
lb	1	16	453.6	0.4536	0.0311
oz	6.25×10^{-2}	1	28.35	0.02835	1.93×10^{-3}
gm	2.205×10^{-3}	3.527×10^{-2}	1	10^{-3}	6.852×10^{-5}
kg	2.205	35.27	10^3	1	6.852×10^{-2}
slug	32.17	514.8	1.459×10^4	14.59	1

Rotation (to convert from A to B, multiply by entry in table)

A \ B	rpm	rad/s	degrees/s
rpm	1	0.105	6.0
rad/s	9.55	1	57.30
degrees/s	0.167	1.745×10^{-2}	1

Appendix

Conversion tables

Temperature Conversion

°F	°C	°C	°F
0	-17.8	-10	14
32	0	0	32
50	10	10	50
70	21.1	20	68
90	32.2	30	86
98.4	37	37	98.4
212	100	100	212
subtract 32 and multiply by $\frac{5}{9}$		multiply by $\frac{9}{5}$ and add 32	

Mechanism Efficiencies

Acme-screw with brass nut	~0.35-0.65
Acme-screw with plastic nut	~0.50-0.85
Ball-screw	~0.85-0.95
Chain and sprocket	~0.95-0.98
Preloaded ball-screw	~0.75-0.85
Spur or bevel-gears	~0.90
Timing belts	~0.96-0.98
Worm gears	~0.45-0.85
Helical gear (1 reduction)	~0.92

Friction Coefficients

Materials	m
Steel on steel (greased)	~0.15
Plastic on steel	~0.15-0.25
Copper on steel	~0.30
Brass on steel	~0.35
Aluminum on steel	~0.45
Steel on steel	~0.58
Mechanism	m
Ball bushings	<0.001
Linear bearings	<0.001
Dove-tail slides	~0.2++
Gibb ways	~0.5++

Material Densities

Material	lb-in ³	gm-cm ³
Aluminum	0.096	2.66
Brass	0.299	8.30
Bronze	0.295	8.17
Copper	0.322	8.91
Hard wood	0.029	0.80
Soft wood	0.018	0.48
Plastic	0.040	1.11
Glass	0.079-0.090	2.2-2.5
Titanium	0.163	4.51
Paper	0.025-0.043	0.7-1.2
Polyvinyl chloride	0.047-0.050	1.3-1.4
Rubber	0.033-0.036	0.92-0.99
Silicone rubber, without filler	0.043	1.2
Cast iron, gray	0.274	7.6
Steel	0.280	7.75

Wire Gauges¹⁾

Cross-section mm ²	Standard Wire Gauge (SWG)	American Wire Gauge (AWG)
0.2	25	24
0.3	23	22
0.5	21	20
0.75	20	19
1.0	19	18
1.5	17	16
2.5	15	13
4	13	11
6	12	9
10	9	7
16	7	6
25	5	3
35	3	2
50	0	1/0
70	000	2/0
95	00000	3/0
120	000000	4/0
150	-	6/0
185	-	7/0

1) The table shows approximate SWG/AWG sizes nearest to standard metric sizes; the cross-sections do not match exactly.

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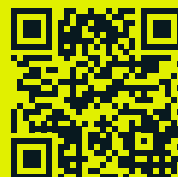
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