



23.009

MLFB-Ordering data : **2KJ3303-9EM23-2DH1-Z**
B09+C02+C27+C63+D01+H7A+K01+K06+L02+L75+M59

Client order no. :

Order no. :

Offer no. :

Item no. :

Consignment no. :

Project :

Attention: With functionally safe encoder only a holding brake is possible. If the Siemens AG provides support when defining or selecting safety-relevant components, Siemens AG is not responsible for their definition or selection and the corresponding implementation of these safety-relevant components.

Motor data

U	D/Y	f _N	P _N	P _N	I _N	n _N	T _N	IE-CL	Operating	n ₂	T ₂	f _B	η [%]			cos φ	I _A /I _N	T _A /T _N	T _K /T _N	T _H /T _N
[V]		[Hz]	[kW]	[hp]	[A]	[rpm]	[Nm]		mode	[rpm]	[Nm]		4/4	3/4	2/4					
230	D	50	1.50	2.01	5.50	1,445	9.91	IE3	S1	116.53	122.9	3.91	85.3	86.0	85.2	0.80	7.30	2.90	3.50	3.19
400	Y	50	1.50	2.01	3.15	1,445	9.91	IE3	S1	116.53	122.9	3.91	85.3	86.0	85.2	0.80	7.30	2.90	3.50	3.19
460	Y	60	1.75	2.35	3.15	1,740	9.60	IE3	S1	140.32	119.1	4.03	86.5	87.0	85.7	0.80	7.70	2.90	3.70	3.19

Motor type 1LE motor with Premium Efficiency LE90ZLR4P

Number of poles 4-pole

Degree of protection (K01) IP55

Thermal class 155 (F)

Moment of inertia J_{mot} 0.00490 kgm²

Terminal box position (M59) 2A

Electrical connection at terminal box Cable gland metric

Ventilation Standard fan

Geared motor

Type designation SIMOGEAR FZAD49-LE90ZLR4P-L8/10NH

Gearbox Parallel shaft gearbox FZAD49

Mounting type gearbox Shaft-mounted design (torque arm)

Output shaft H1.375" (Hollow shaft)

Mounting position (D01) M1

Transmission ratio 12.40 (893 / 72)

Nominal torque 480 Nm

Gear oil (K06) Mineral oil CLP VG220

Oil charge 1.6 l

Specification CE (Europe / other countries)

Environment temperature -15 ... +40 °C

Weight without oil 36.9 kg

Housing material first gearbox Cast iron

Brake data

Brake type (torque at 100 rpm) (B09) L8/10 (10 Nm)

Safety factor k (at 50 Hz) 1.01

Supply voltage (C63) 460V AC +-10%

Rectifier Standard

Brake design Open-type (standard)

Manual brake release lever (C02) Manual brake release lever
(C27) Position 2

Working capacity

per switching operation 7.5 kJ

until readjustment of air gap 54.0 MJ

until replacement of brake lining 324 MJ

Electrical data

Coil voltage 205V DC

Current consumption .05 A

Power consumption at 20 °C 25 W

Switching times

Application time

AC switched 205 ms

AC/DC or DC switched 26 ms

Disconnection time 71 ms

Gearbox options

Hollow shaft cover Sealing cap

Output shaft bearing Standard bearing

Output shaft sealing Standard sealing

Gearbox breather Pressure breather valve

Oil level control Oil level screw

Oil drain Oil drain plug

Motor options

Motor protection Without

General options

Surface treatments Painted

Coating (L02) Coating for normal environmental stress C1

RAL Color (L75) 7016 anthracite gray

Coating on flange -

Packing Standard packing

Legend

U = Voltage
D / Y = Circuit
f = Frequency
P_N = Rated motor power

I_N = Rated current
n_N = Rated motor speed
T_N = Rated motor torque
IE-CL = Efficiency class

n₂ = Geared motor output speed
T₂ = Geared motor output torque
f_B = Service factor
η = Efficiency
*) On request

cos φ = Power factor
I_A/I_N = Relative starting current
T_A/T_N = Relative starting torque
T_K/T_N = Relative breakdown torque
T_H/T_N = Relative average acceleration torque



Datasheet for SIMOGEAR Geared Motors

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B09+C02+C27+C63+D01+H7A+K01+K06+L02+L75+M59

Further information	
General product information	SIMOGEAR
Configurator	2KJ.....
<u>Operating instructions</u>	
Gearbox	BA 2030
Motor	BA 2330
Catalog	MD 50.1 Geared motors