



1.783

Datasheet for SIMOGEAR Geared Motors

MLFB-Ordering data :

2KJ3306-9EM23-9DV1-Z

B07+C02+C26+C47+D01+H7A+K01+K06+L02+L75+M60+N38+N4N

Client order no. :

Item no. :

Order no. :

Consignment no. :

Offer no. :

Project :

Motor data

U [V]	D/Y	f _N [Hz]	P _N [kW]	P _N [hp]	I _N [A]	n _N [rpm]	T _N [Nm]	IE-CL	Operating mode	n ₂ [rpm]	T ₂ [Nm]	f _B	η _{4/4 load} [%]	η _{3/4 load} [%]	cos φ	I _A /I _N	T _A /T _N	T _K /T _N	T _H /T _N
230	YY	60	1.500	2.01	5.70	1,755	8.16	IE3	CONT.	41.381	346.16	5.34	86.5	86.2	0.77	8.60	3.40	4.30	3.74
460	Y	60	1.500	2.01	2.85	1,755	8.16	IE3	CONT.	41.381	346.16	5.34	86.5	86.2	0.77	8.60	3.40	4.30	3.74

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 (M60) 2B

Electrical connection at terminal box Cable gland metric

Ventilation Standard fan

Geared motor

Type designation SIMOGEAR FZAD89-LE90ZLR4P-L8/5NH

Gearbox Parallel shaft gearbox FZAD89

Mounting type gearbox Shaft-mounted design (torque arm)

Output shaft H2" (Hollow shaft)

Mounting position (D01) M1

Transmission ratio 42.41 (7719 / 182)

Nominal torque 1,850.00 Nm

Gear oil (K06) Mineral oil CLP VG220

Oil charge 4.6 l

Specification CE (Europe / other countries)

Additional specifications (N38) UL-R/CSA (North America)

Environment temperature -15 ... +40 °C

Weight without oil 81.5 kg

Housing material first gearbox Cast iron

Brake data

Brake type (torque at 100 rpm) (B07) L8/5 (5 Nm)

Safety factor k (at 60 Hz) 0.61

Supply voltage (C47) 400V AC +/-10%

Rectifier Standard

Brake design Open-type (standard)

Manual brake release lever (C02) Manual brake release lever
(C26) Position 1

Working capacity

per switching operation 7.5 kJ

until readjustment of air gap 75.6 MJ

until replacement of brake lining 324 MJ

Electrical data

Coil voltage 180V DC

Current consumption 0.06 A

Power consumption at 20 °C 25 W

Switching times

Application time

AC switched 310 ms

AC/DC or DC switched 40 ms

Disconnection time 35 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

Liability for defects 12 months from date of delivery (standard)

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



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