



1.783

Datasheet for SIMOGEAR Geared Motors

MLFB-Ordering data :

2KJ3405-9EK23-9HJ1-Z

B10+C01+C02+C26+C63+D02+H7A+K01+K06+L02+L77+M10+M68+N38+N5N+Q56

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	1.270	1.70	4.70	1,740	6.97	IE3	CONT.	11.409	1,063.06	0.94	86.5	86.9	0.79	7.40	2.90	3.80	3.20
460	Y	60	1.270	1.70	2.35	1,740	6.97	IE3	CONT.	11.409	1,063.06	0.94	86.5	86.9	0.79	7.40	2.90	3.80	3.20

Motor type 1LE motor with Premium Efficiency LE90SM4P

Number of poles 4-pole

Degree of protection (K01) IP55

Thermal class 155 (F)

Moment of inertia J_{mot} 0.00360 kgm²

Terminal box position (M68) 4B

Electrical connection at terminal box Cable gland metric

Ventilation Standard fan

Geared motor

Type designation SIMOGEAR FDAZ79-LE90SM4P-L16GH-IN

Gearbox Parallel shaft gearbox FDAZ79

Mounting type gearbox Housing flange

Output shaft H1.5" (Hollow shaft)

Mounting position (D02) M2

Transmission ratio 152.51 (17081 / 112)

Nominal torque 1,000.00 Nm

Gear oil (K06) Mineral oil CLP VG220

Oil charge 3.8 l

Specification CE (Europe / other countries)

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

Environment temperature -15 ... +40 °C

Weight without oil 48.9 kg

Housing material first gearbox Cast iron

Brake data

Brake type (torque at 100 rpm) (B10) L16 (16 Nm)

Safety factor k (at 60 Hz) 2.29

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

Rectifier Standard

Brake design (C01) Enclosed brake

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

Working capacity

per switching operation 12.0 kJ

until readjustment of air gap 108.0 MJ

until replacement of brake lining 405 MJ

Electrical data

Coil voltage 205V DC

Current consumption 0.06 A

Power consumption at 20 °C 30 W

Switching times

Application time

AC switched 460 ms

AC/DC or DC switched 47 ms

Disconnection time 76 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 (M10) PTC thermistor for disconnection

Encoder options

Encoder Incremental encoder (Up 5 V +/-5% DC)

Degree of protection IP66

Mechanical variant Cable terminal box

Mechanical protection Protection sheet

Encoder type (Q56) 1XP8022-20

General options

Surface treatments Painted

Coating (L02) Coating for normal environmental stress C1

RAL Color (L77) 9005 jet black

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