



1.783

Datasheet for SIMOGEAR Geared Motors

MLFB-Ordering data :

2KJ3304-9FP23-9AL1-Z

B15+C02+C27+C66+D05+H7A+K01+K12+L02+L75+M45+M62+N38+N50+N5H+Q95

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
460	Y	60	3.450	4.62	5.80	1,755	18.77	IE3	CONT.	86.156	382.42	1.57	89.5	90.1	0.84	8.40	2.70	3.90	3.00

Motor type 1LE motor with Premium Efficiency LE100ZLSB4P

Number of poles 4-pole

Degree of protection (K01) IP55

Thermal class 155 (F)

Moment of inertia J_{mot} 0.01400 kgm²

Terminal box position (M62) 2D

Electrical connection at terminal box (M45) Cable gland NPT

Ventilation Standard fan

Geared motor

Type designation SIMOGEAR FZA69-LE100ZLSB4P-L32NH-IV

Gearbox Parallel shaft gearbox FZA69

Mounting type gearbox Foot-mounted design

Output shaft H1.5" (Hollow shaft)

Mounting position (D05) M5

Transmission ratio 20.37 (550 / 27)

Nominal torque 600.00 Nm

Gear oil (K12) Synthetic oil CLP PAO VG220

Oil charge 1.9 l

Specification CE (Europe / other countries)

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

Environment temperature -15 ... +40 °C

Weight without oil 61.0 kg

Housing material first gearbox Cast iron

Brake data

Brake type (torque at 100 rpm) (B15) L32 (32 Nm)

Safety factor k (at 60 Hz) 1.70

Supply voltage (C66) 24V DC +-10%

Rectifier DC voltage control (without)

Brake design Open-type (standard)

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

Working capacity

per switching operation 24.0 kJ

until readjustment of air gap 212.0 MJ

until replacement of brake lining 948 MJ

Electrical data

Coil voltage 24V DC

Current consumption 1.66 A

Power consumption at 20 °C 40 W

Switching times

Application time

AC switched 490 ms

AC/DC or DC switched 53 ms

Disconnection time 115 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

Encoder options

Encoder Encoder mounting prepared

Mechanical variant -

Mechanical protection (Q95) encoder underneath cover

Encoder type (N50) Encoder mounting prepared

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	
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General product information	SIMOGEAR
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Configurator	2KJ.....
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Operating instructions

Gearbox	BA 2030
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Motor	BA 2330
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Catalog	MD 50.1 Geared motors
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