



18.8

MLFB-Ordering data :

2KJ3513-9HL23-9FF2-Z

B23+C04+C66+D11+G20+H09+H3A+K01+K07+L02+L54+M17+M62+N38+N3A+N50+P91+W22

Client order no. :

Order no. :

Offer no. :

Item no. :

Consignment no. :

Project :

Motor data

U	D/Y	f _N	P _N	P _N	I _N	n _N	T _N	IE-CL	Operating mode	n ₂	T ₂	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
[V]		[Hz]	[kW]	[hp]	[A]	[rpm]	[Nm]			[rpm]	[Nm]		[%]	[%]					
230	D	50	7.500	10.05	24.90	1,465	48.89	IE3	S1	8.185	8,749.69	0.91	90.4	91.1	0.84	8.20	2.60	3.70	2.90
400	Y	50	7.500	10.05	14.30	1,465	48.89	IE3	S1	8.185	8,749.69	0.91	90.4	91.1	0.84	8.20	2.60	3.70	2.90
460	Y	60	7.500	10.05	12.40	1,770	40.46	IE3	CONT.	9.889	7,242.16	1.10	91.7	91.8	0.83	9.60	2.70	4.20	3.00
400	D	87	13.000	17.43	24.30	2,575	48.21	-	INV.DUTY	14.387	8,628.72	0.93	91.6	0.0	0.84	0.00	0.00	3.90	0.00
460	D	104	13.000	17.43	21.30	3,090	40.17	-	INV.DUTY	17.265	7,190.85	1.11	91.0	0.0	0.84	0.00	0.00	4.20	0.00

Motor type 1LE motor with Premium Efficiency LE132ZMS4P

Number of poles 4-pole

Degree of protection (K01) IP55

Thermal class 155 (F)

Moment of inertia J_{mot} 0.04600 kgm²

Terminal box position (M62) 2D

Electrical connection at terminal box Cable gland metric

Ventilation Standard fan

Geared motor

Type designation SIMOGEAR KAFS149-LE132ZMS4P-L80/100M-IV

Gearbox Bevel gearbox KAFS149

Mounting type gearbox Flange-mounted design

Output shaft HS95 mm (Hollow shaft with shrink disk)

Mounting position (D11) M1 output side A

Transmission ratio 178.97 (188,993 / 1,056)

Nominal torque 8,000.00 Nm

Gear oil (K07) Synthetic oil CLP PG VG220

Oil charge 9.3 l

Specification CE (Europe / other countries)

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

Environment temperature -15 ... +40 °C

Weight without oil 372.5 kg

Housing material first gearbox Cast iron

Brake data

Brake type (torque at 100 rpm) (B23) L80/100 (100 Nm)

Safety factor k (at 50 Hz) 2.04

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

Rectifier DC voltage control (without)

Brake design Open-type (standard)

Additional options (C04) Microswitch for release monitoring

Working capacity

per switching operation 36.0 kJ

until readjustment of air gap 260.0 MJ

until replacement of brake lining 2,310 MJ

Electrical data

Coil voltage 24V DC

Current consumption 2.29 A

Power consumption at 20 °C 55 W

Switching times

Application time

AC switched 990 ms

AC/DC or DC switched 49 ms

Disconnection time 280 ms

Gearbox options

Flange diameter (H09) 450 mm

Hollow shaft cover Sealing cap

Output shaft bearing (G20) Radial reinforced 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 (M17) Resistance thermometer Pt1000

Encoder options

Encoder Encoder mounting prepared

Mechanical variant -

Mechanical protection Canopy

Encoder type (N50) Encoder mounting prepared

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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B23+C04+C66+D11+G20+H09+H3A+K01+K07+L02+L54+M17+M62+N38+N3A+N50+P91+W22

General options	
Surface treatments	Painted
Coating	(L02) Coating for normal environmental stress C1
RAL Color	(L54) 7035 light gray
Coating on flange	-
Packing	Standard packing
Enclosed documentation	(W22) 1 set operating instructions ENGLISH per geared motor

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