



21.19

MLFB-Ordering data : 2KJ3505-5DC22-2HE2-Z
B57+C02+C29+C47+D11+K01+K06+L02+L50+M65

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 [%]	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]		4/4 3/4 2/4					
230	D	50	0.550	0.73	2.42	1,440	3.64	IE2	S1	11.842	443.55	0.95	77.1 76.8 73.7	0.74	5.30	2.20	3.10	2.40
400	Y	50	0.550	0.73	1.39	1,440	3.64	IE2	S1	11.842	443.55	0.95	77.1 76.8 73.7	0.74	5.30	2.20	3.10	2.40
460	Y	60	0.630	0.84	1.42	1,735	3.46	IE2	S1	14.268	421.68	1.00	75.5 75.8 73.5	0.74	5.70	2.40	3.30	2.60

Motor type	1LE motor with High Efficiency LE80MD4E
Number of poles	4-pole
Degree of protection	(K01) IP55
Thermal class	155 (F)
Moment of inertia J_{mot}	0.00170 kgm ²

Terminal box position	(M65) 3C
Electrical connection at terminal box	Cable gland metric
Ventilation	Standard fan

Geared motor

Type designation	SIMOGEAR KAZ49-LE80MD4E-L4/5NH
Gearbox	Bevel gearbox KAZ49
Mounting type gearbox	Housing flange
Output shaft	H35 mm (Hollow shaft)
Mounting position	(D11) M1 output side A
Transmission ratio	121.60 (608 / 5)
Nominal torque	420.00 Nm
Gear oil	(K06) Mineral oil CLP VG220
Oil charge	0.6 l
Specification	CE (Europe / other countries)
Environment temperature	-15 ... +40 °C
Weight without oil	29.9 kg
Housing material first gearbox	Cast iron

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
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Brake data

Brake type (torque at 100 rpm)	(B57) L4/5 (5 Nm)
Safety factor k (at 50 Hz)	1.37
Supply voltage	(C47) 400V AC ±10%
Rectifier	Standard
Brake design	Open-type (standard)
Manual brake release lever	(C02) Manual brake release lever (C29) Position 4

Working capacity	
per switching operation	3.0 kJ
until readjustment of air gap	23.4 MJ
until replacement of brake lining	176 MJ

Electrical data	
Coil voltage	180V DC
Current consumption	.05 A
Power consumption at 20 °C	20 W

Switching times	
Application time	
AC switched	158 ms
AC/DC or DC switched	25 ms
Disconnection time	56 ms

General options

Surface treatments	Painted
Coating	(L02) Coating for normal environmental stress C1
RAL Color	(L50) 5015 sky blue
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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B57+C02+C29+C47+D11+K01+K06+L02+L50+M65

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