

Datasheet for SIMOGEAR Geared Motors



18.8

MLFB-Ordering data :

2KJ3500-9DC22-4AK1-Z

D12+G45+H7A+K01+K07+L00+M65+N38+P91+U09+U31+U53

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	D	50	0.550	0.73	2.42	1,440	3.64	IE2	S1	154.010	34.10	1.47	78.1	76.8	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	154.010	34.10	1.47	78.1	76.8	0.74	5.30	2.20	3.10	2.40
460	Y	60	0.550	0.73	1.29	1,750	3.00	IE2	CONT.	187.165	28.06	1.78	75.5	74.6	0.75	6.40	2.70	3.80	3.00

Motor type	1LE motor with High Efficiency LE80MD4EM
Number of poles	4-pole
Degree of protection	(K01) IP55
Thermal class	155 (F)
Moment of inertia Jmot	0.00170 kgm ²

Terminal box position	(M65) 3C
Electrical connection at terminal box	Motor plug HAN Q4/2 (1 bracket)+EMC
Counter plug	HAN Q4/2 Daisy chain
Ventilation	Standard fan

Geared motor

Type designation	SIMOGEAR BA19-LE80MD4EM
Gearbox	Bevel gearbox BA19
Mounting type gearbox	Foot-mounted design
Output shaft	H0.75" (Hollow shaft)
Mounting position	(D12) M2 output side A
Transmission ratio	9.35 (1,430 / 153)
Nominal torque	50.00 Nm
Gear oil	(K07) Synthetic oil CLP PG VG220
Oil charge	0.3 l
Specification	CE (Europe / other countries)
Additional specifications	(N38) UL-R/CSA (North America)
Environment temperature	-10 ... +40 °C
Weight without oil	18.0 kg
Housing material first gearbox	Aluminum

Sinamics G110M data

G110M Type	G110M-B0110-B45-00
PM240M	6SL3517-1BE13-3AM0
Voltage (TT + TN only)	3 AC 460 V
Motor connection	Star
Communication	PROFINET/ EtherNet IP (PN)
Int. Brake resistor	Without
Brake chopper	With integrated braking chopper
Nominal power	1.10 kW
24V DC Power Supply	-
Mains filter class A	Line filter class A (EN55011)
Connection type	Pluggable (HAN Q4/2)
CU240M	6SL3544-0PB02-1FA0
Digital I/O	IN:4, OUT:2
Analog I/O	IN:2, OUT:0
Overload capability	3sec : I=2xIN
Interface	USB,SD/MMC,OPTICAL
Ext. mounted Components	Without

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	Without
Oil drain	Oil drain plug

Motor options

Motor protection	Without
-------------------------	---------

General options

Surface treatments	Unpainted
Coating	(L00) Unpainted
Packing	Standard packing

Legend

U = Voltage	I _N = Rated current	n ₂ = Geared motor output speed	cos φ = Power factor
D / Y = Circuit	n _N = Rated motor speed	T ₂ = Geared motor output torque	I _A /I _N = Relative starting current
f = Frequency	T _N = Rated motor torque	f _B = Service factor	T _A /T _N = Relative starting torque
P _N = Rated motor power	IE-CL = Efficiency class	η = Efficiency	T _K /T _N = Relative breakdown torque
		*) On request	T _H /T _N = Relative average acceleration torque

Datasheet for SIMOGEAR Geared Motors

MLFB-Ordering data: 2KJ3500-9DC22-4AK1-Z
D12+G45+H7A+K01+K07+L00+M65+N38+P91+U09+U31+U53

Further information

General product information [SIMOGEAR](#)

Configurator [2KJ.....](#)

Operating instructions

Gearbox [BA 2030](#)

Motor [BA 2330](#)

Catalog [MD 50.1](#) Geared motors