



Datasheet for SIMOGEAR Geared Motors

MLFB-Ordering data : 2KJ3501-6DC22-9DW1-Z
B57+C63+D24+G45+K01+K07+L00+M60+N38+N4H

Client order no. : Item no. :
Order no. : Consignment no. :
Offer 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]		[%]	[%]					
460	Y	60	0.550	0.73	1.29	1,750	3.00	IE2	CONT.	53.386	98.39	1.12	75.5	74.6	0.75	6.40	2.70	3.80	3.00

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 Jmot	0.00170 kgm²
Terminal box position	(M60) 2B
Electrical connection at terminal box	Cable gland metric
Ventilation	Standard fan

Geared motor	
Type designation	SIMOGEAR BAD29-LE80MD4E-L4/5N
Gearbox	Bevel gearbox BAD29
Mounting type gearbox	Shaft-mounted design (torque arm)
Output shaft	H25 mm (Hollow shaft)
Mounting position	(D24) M4 output side B
Transmission ratio	32.78 (295 / 9)
Nominal torque	110.00 Nm
Gear oil	(K07) Synthetic oil CLP PG VG220
Oil charge	0.8 l
Specification	CE (Europe / other countries)
Additional specifications	(N38) UL-R/CSA (North America)
Environment temperature	(K95) -20 ... +40 °C
Weight without oil	16.0 kg
Housing material first gearbox	Aluminum

Gearbox options	
Position of torque arm	1
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

Brake data	
Brake type (torque at 100 rpm)	(B57) L4/5 (5 Nm)
Safety factor k (at 60 Hz)	1.66
Supply voltage	(C63) 460V AC +-10%
Rectifier	Standard
Brake design	Open-type (standard)
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	205V DC
Current consumption	.04 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	Unpainted
Coating	(L00) Unpainted
Packing	Standard packing

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

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