

Datasheet for SIMOGEAR Geared Motors



19.42

MLFB-Ordering data : 2KJ3601-5DC22-2AB1-Z
D11+K01+K08+L00+M55+N30

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	0.550	0.73	2.42	1,440	3.64	IE2	S1	192.771	24.98	3.44	77.1	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	192.771	24.98	3.44	77.1	76.8	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	232.262	23.73	3.62	75.5	75.8	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	(M55) 1A
Electrical connection at terminal box	Cable gland metric
Ventilation	Standard fan

Geared motor

Type designation	SIMOGEAR CA29-LE80MD4E
Gearbox	Helical worm gearbox CA29
Mounting type gearbox	Foot-mounted design
Output shaft	H20 mm (Hollow shaft)
Mounting position	(D11) M1 output side A
Transmission ratio	7.47 (112 / 15)
Nominal torque	86.00 Nm
Gear oil	(K08) Synthetic oil CLP PG VG460
Oil charge	0.1 l
Specification	CE (Europe / other countries)
Additional specifications	(N30) EAC (Russia)
Environment temperature	(K95) -20 ... +40 °C
Weight without oil	14.3 kg
Housing material first gearbox	Aluminum

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

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
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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