

Datasheet for SIMOGEAR Geared Motors



19.42

MLFB-Ordering data : 2KJ3505-5DC22-9FF2-Z
D11+H05+K01+K06+L02+L55+M10+M65+N6B+P91+W21

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]		[%]	[%]					
400	Y	50	0.550	0.73	1.39	1,440	3.64	IE2	S1	10.131	518.41	0.81	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	-	INV.DUTY	10.131	518.41	0.81	77.1	76.8	0.74	5.30	2.20	3.10	2.40

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 KAF49-LE80MD4E
Gearbox	Bevel gearbox KAF49
Mounting type gearbox	Flange-mounted design
Output shaft	H35 mm (Hollow shaft)
Mounting position	(D11) M1 output side A
Transmission ratio	142.13 (10,944 / 77)
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	34.6 kg
Housing material first gearbox	Cast iron

General options

Surface treatments	Painted
Coating	(L02) Coating for normal environmental stress C1
RAL Color	(L55) 7030 stone gray
Coating on flange	-
Packing	Standard packing
Enclosed documentation	(W21) 1 set operating instructions GERMAN per geared motor

Gearbox options

Flange diameter	(H05) 200 mm
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	(M10) Temperature sensor PTC thermistor, disconnection
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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
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