

Datasheet for SIMOGEAR Geared Motors



21.19

MLFB-Ordering data : 2KJ3504-1DC22-2AQ1-Z
D21+K01+K06+L02+L50+M55

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	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]		mode	[rpm]	[Nm]		4/4	3/4	2/4					
230	D	50	0.550	0.73	2.42	1,440	3.64	IE2	S1	53.551	98.08	2.24	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	53.551	98.08	2.24	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	64.522	93.25	2.36	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	(M55) 1A
Electrical connection at terminal box	Cable gland metric
Ventilation	Standard fan

Geared motor	
Type designation	SIMOGEAR K39-LE80MD4E
Gearbox	Bevel gearbox K39
Mounting type gearbox	Foot-mounted design
Output shaft	V25 x 50 mm (Solid shaft with feather key)
Mounting position	(D21) M1 output side B
Transmission ratio	26.89 (6,804 / 253)
Nominal torque	220.00 Nm
Gear oil	(K06) Mineral oil CLP VG220
Oil charge	0.3 l
Specification	CE (Europe / other countries)
Environment temperature	-15 ... +40 °C
Weight without oil	22.6 kg
Housing material first gearbox	Cast iron

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

Further information	
General product information	SIMOGEAR
Configurator	2KJ.....
<u>Operating instructions</u>	
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	Oil level screw
Oil drain	Oil drain plug

Motor options	
Motor protection	Without

Legend			
U = Voltage	I_N = Rated current	n_2 = Geared motor output speed	$\cos \phi$ = Power factor
D/Y = Circuit	n_N = Rated motor speed	T_2 = Geared motor output torque	I_s/I_N = Relative starting current
f = Frequency	T_N = Rated motor torque	f_b = Service factor	T_b/T_N = Relative starting torque
P_N = Rated motor power	IE-CL = Efficiency class	η = Efficiency	T_b/T_N = Relative breakdown torque
		*) On request	T_{av}/T_N = Relative average acceleration torque