



21.19

Datasheet for SIMOGEAR Geared Motors

MLFB-Ordering data : 2KJ3603-6CC22-4HN2-Z
D11+K01+K08+L03+L50+M10+M64+P01

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	0.180	0.24	1.18	875	1.96	IE2	S1	2.926	358.50	0.98	56.6	56.9	52.7	0.68	2.50	2.20	2.30	2.40
400	Y	50	0.180	0.24	0.68	875	1.96	IE2	S1	2.926	358.50	0.98	56.6	56.9	52.7	0.68	2.50	2.20	2.30	2.40
460	Y	60	0.180	0.24	0.67	1,105	1.55	IE2	S1	3.695	298.58	1.17	55.0	53.6	48.8	0.61	2.70	2.90	2.90	3.20

Motor type	1LE motor with High Efficiency LE71MG6E
Number of poles	(P01) 6-pole
Degree of protection	(K01) IP55
Thermal class	155 (F)
Moment of inertia J _{mot}	0.00080 kgm ²
Terminal box position	(M64) 3B
Electrical connection at terminal box	Cable gland metric
Ventilation	Standard fan

Geared motor	
Type designation	SIMOGEAR CAZ49-LE71MG6E
Gearbox	Helical worm gearbox CAZ49
Mounting type gearbox	Housing flange
Output shaft	H35 mm (Hollow shaft)
Mounting position	(D11) M1 output side A
Transmission ratio	299.00 (299 / 1)
Nominal torque	350.00 Nm
Gear oil	(K08) Synthetic oil CLP PG VG460
Oil charge	0.6 l
Specification	CE (Europe / other countries)
Environment temperature	(K95) -20 ... +40 °C
Weight without oil	22.0 kg
Housing material first gearbox	Cast iron

General options	
Surface treatments	Painted
Coating	(L03) Coating for low environmental stress C2
RAL Color	(L50) 5015 sky blue
Coating on flange	-
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	Oil level screw
Oil drain	Oil drain plug

Motor options	
Motor protection	(M10) Temperature sensor PTC thermistor, disconnection

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