



19.42

Datasheet for SIMOGEAR Geared Motors

MLFB-Ordering data : 2KJ3108-1FL22-9AX1-Z
D03+G20+G24+G53+K01+K08+L20+L50+M21+M57+N41+N5H

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	2.550	3.41	4.45	1,755	13.87	IE2	S1	33.893	718.51	2.34	87.5	87.9	0.82	7.30	2.10	3.30	2.30

Motor type	1LE motor with High Efficiency LE100LE4E
Number of poles	4-pole
Degree of protection	(K01) IP55
Thermal class	155 (F)
Moment of inertia J _{mot}	0.00860 kgm ²
Terminal box position	(M57) 1C
Electrical connection at terminal box	Cable gland metric
Ventilation	(M21) Metal fan

Geared motor	
Type designation	SIMOGEAR Z89-LE100LE4E
Gearbox	Helical gearbox Z89
Mounting type gearbox	Foot-mounted design
Output shaft	V50 x 100 mm (Solid shaft with feather key)
Mounting position	(D03) M3
Transmission ratio	51.78 (2,848 / 55)
Nominal torque	1,680.00 Nm
Gear oil	(K08) Synthetic oil CLP PG VG460
Oil charge	6.4 l
Specification	CE (Europe / other countries)
Environment temperature	-15 ... +40 °C
Weight without oil	86.0 kg
Housing material first gearbox	Cast iron

Gearbox options	
Output shaft bearing	(G20) Radial reinforced bearing
Output shaft sealing	(G24) Seal for increased environmental stress
Gearbox breather	Pressure breather valve
Oil level control	Oil level screw
Oil drain	(G53) Oil drain plug magnetic

Motor options	
Motor protection	Without
Internal corrosion protection	(N41)

General options	
Surface treatments	Painted
Coating	(L20) Coating for high environmental stress C4
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

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