



19.42

Datasheet for SIMOGEAR Geared Motors

MLFB-Ordering data : 2KJ3108-1GJ23-9AR1-Z
D01+G20+G24+G34+G49+K01+K06+L04+L75+M55+N41+N5E+W22

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]		[%]	[%]					
440	Y	60	4.550	6.10	8.00	1,760	24.68	IE3	S1	60.668	716.22	2.35	89.5	90.0	0.83	7.30	2.50	3.80	2.80

Motor type	1LE motor with Premium Efficiency LE112ZMKB4P																		
Number of poles	4-pole																		
Degree of protection	(K01) IP55																		
Thermal class	155 (F)																		
Moment of inertia J _{mot}	0.01700 kgm ²																		
Terminal box position	(M55) 1A																		
Electrical connection at terminal box	Cable gland metric																		
Ventilation	Standard fan																		

Geared motor	
Type designation	SIMOGEAR Z89-LE112ZMKB4P
Gearbox	Helical gearbox Z89
Mounting type gearbox	Foot-mounted design
Output shaft	V50 x 100 mm (Solid shaft with feather key)
Mounting position	(D01) M1
Transmission ratio	29.01 (3,916 / 135)
Nominal torque	1,680.00 Nm
Gear oil	(K06) Mineral oil CLP VG220
Oil charge	2.2 l
Specification	CE (Europe / other countries)
Environment temperature	-15 ... +40 °C
Weight without oil	95.0 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	(G49) Pressure breather stainless steel
Oil level control	(G34) Oil sight glass
Oil drain	Oil drain plug

Motor options	
Motor protection	Without
Internal corrosion protection	(N41)

General options	
Surface treatments	Painted
Coating	(L04) Coating for medium environmental stress C3
RAL Color	(L75) 7016 anthracite gray
Coating on flange	-
Packing	Standard packing
Enclosed documentation	(W22) 1 set operating instructions ENGLISH per geared motor
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