



21.25

Datasheet for SIMOGEAR Geared Motors

MLFB-Ordering data : 2KJ3108-1GJ23-4FS1-Z
D01+G23+H07+K01+K06+L04+L75+M08+M59

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	4.000	5.36	13.70	1,460	26.16	IE3	S1	46.482	821.82	2.04	88.6	89.2	88.6	0.82	7.10	2.40	3.70	2.60
400	Y	50	4.000	5.36	7.90	1,460	26.16	IE3	S1	46.482	821.82	2.04	88.6	89.2	88.6	0.82	7.10	2.40	3.70	2.60
460	Y	60	3.700	4.96	6.50	1,770	19.96	IE3	S1	56.351	627.05	2.68	89.5	89.4	87.7	0.80	8.20	2.90	4.30	3.20

Motor type	1LE motor with Premium Efficiency LE112ZMKB4P
Number of poles	4-pole
Degree of protection	(K01) IP55
Thermal class	(M08) 180 (H)
Moment of inertia J _{mot}	0.01700 kgm ²
Terminal box position	(M59) 2A
Electrical connection at terminal box	Cable gland metric
Ventilation	Standard fan

Geared motor	
Type designation	SIMOGEAR ZF89-LE112ZMKB4P
Gearbox	Helical gearbox ZF89
Mounting type gearbox	Flange-mounted design
Output shaft	V50 x 100 mm (Solid shaft with feather key)
Mounting position	(D01) M1
Transmission ratio	31.41 (534 / 17)
Nominal torque	1,680.00 Nm
Gear oil	(K06) Mineral oil CLP VG220
Oil charge	2.1 l
Specification	CE (Europe / other countries)
Environment temperature	-15 ... +40 °C
Weight without oil	93.7 kg
Housing material first gearbox	Cast iron

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

Further information	
General product information	SIMOGEAR
Configurator	2KJ.....
Operating instructions	
Gearbox	BA 2030
Motor	BA 2330
Catalog	MD 50.1 Geared motors

Gearbox options	
Flange diameter	(H07) 300 mm
Output shaft bearing	Standard bearing
Output shaft sealing	(G23) Seal with longer service life
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 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