



21.19

Datasheet for SIMOGEAR Geared Motors

MLFB-Ordering data : 2KJ3107-1GJ23-4AS1-Z
D01+G34+K01+K06+L03+L75+M10+M65+P91

Client order no. : Item no. :
Order no. : Consignment no. :
Offer no. : Project :

Motor data																				
U [V]	D/Y	f _N [Hz]	P _N [kW]	P _N [hp]	I _N [A]	n _N [rpm]	T _N [Nm]	IE-CL	Operating mode	n ₂ [rpm]	T ₂ [Nm]	f _B	η [%]			cos φ	I _A /I _N	T _A /T _N	T _K /T _N	T _H /T _N
													4/4	3/4	2/4					
230	D	50	4.000	5.36	13.70	1,460	26.16	IE3	S1	47.806	799.06	1.05	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	47.806	799.06	1.05	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	57.956	609.68	1.38	89.5	89.4	87.7	0.80	8.20	2.90	4.30	3.20
400	D	87	7.000	9.38	13.80	2,570	26.01	-	INV.DUTY	84.151	794.40	1.06	90.0	0.0	0.0	0.81	0.00	0.00	4.00	0.00
460	D	104	7.000	9.38	12.10	3,085	21.66	-	INV.DUTY	101.015	661.78	1.27	90.3	0.0	0.0	0.80	0.00	0.00	4.30	0.00

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 Jmot	0.01700 kgm²																		
Terminal box position	(M65) 3C																		
Electrical connection at terminal box	Cable gland metric																		
Ventilation	Standard fan																		

Geared motor	
Type designation	SIMOGEAR Z79-LE112ZMKB4P
Gearbox	Helical gearbox Z79
Mounting type gearbox	Foot-mounted design
Output shaft	V40 x 80 mm (Solid shaft with feather key)
Mounting position	(D01) M1
Transmission ratio	30.54 (2,993 / 98)
Nominal torque	840.00 Nm
Gear oil	(K06) Mineral oil CLP VG220
Oil charge	1.2 l
Specification	CE (Europe / other countries)
Environment temperature	-15 ... +40 °C
Weight without oil	67.6 kg
Housing material first gearbox	Cast iron

Gearbox options	
Output shaft bearing	Standard bearing
Output shaft sealing	Standard sealing
Gearbox breather	Pressure breather valve
Oil level control	(G34) Oil sight glass
Oil drain	Oil drain plug

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

General options	
Surface treatments	Painted
Coating	(L03) Coating for low environmental stress C2
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

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