

MLFB-Ordering data:

Datasheet for SIMOGEAR Geared Motors

2KJ3107-3HJ23-9FM1-Z

D01+H07+K01+K06+L01+M10+M23+M59+N3A



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

For se	electe	d outp	ut shaft a	calculatio	n of the	bearing	life and the	allow	able radial lo	ad is required	l!								
									Motor	lata									
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 _{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]		mode	[rpm]	[Nm]		[%]	[%]					
230	D	50	5.500	7.37	18.30	1,470	35.73	IE3	S1	84.922	618.51	1.36	89.6	90.6	0.84	7.20	2.10	3.40	3.00

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 _{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
230	D	50	5.500	7.37	18.30	1,470	35.73	IE3	S1	84.922	618.51	1.36	89.6	90.6	0.84	7.20	2.10	3.40	3.00
400	Υ	50	5.500	7.37	10.50	1,470	35.73	IE3	S1	84.922	618.51	1.36	89.6	90.6	0.84	7.20	2.10	3.40	3.00
460	Υ	60	5.500	7.37	9.30	1,775	29.59	IE2	S1	102.541	512.23	1.64	89.5	89.4	0.83	8.20	2.60	3.90	2.90

Motor type 1LE motor with Premium Efficiency LE132ZST4PF

Number of poles 4-pole Degree of protection (K01) IP55 155 (F) Thermal class Moment of inertia Jmot 0.03400 kgm²

Geared motor						
Type designation	SIMOGEAR ZF79-LE132ZST4PF					
Gearbox	Helical gearbox ZF79					
Mounting type gearbox	Flange-mounted design					
Output shaft	$V50 \times 100$ mm (Solid shaft with feather key)					
Mounting position	(D01) M1					
Transmission ratio	17.31 (2,665 / 154)					
Nominal torque	840.00 Nm					
Gear oil	(K06) Mineral oil CLP VG220					
Oil charge	1.11					
Specification	CE (Europe / other countries)					
Environment temperature	-15 +40 °C					
Weight without oil	102.7 kg					
Housing material first gearbox	Cast iron					

Gearbox options					
Flange diameter	(H07) 300 mm				
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

Terminal box position	(M59) 2A
Electrical connection at terminal box	Cable gland metric
Ventilation	(M23) External fan

General options					
Surface treatments	Primed				
Coating	(L01) Primed for low environmental stress C2				
Coating on flange	-				
Packing	Standard packing				

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

Leg	jer	ηd
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U = Voltage D / Y = Circuit f = Frequency P_N = Rated motor power I_N = Rated current n_N = Rated motor speed T_N = Rated motor torque IE-CL = Efficiency class

= Geared motor output speed cos φ = Power factor T_2 = Geared motor output torque f_B = Service factor I_A/I_N = Relative starting current T_A/T_N = Relative starting torque η = Efficiency *) On request $T_{\rm K}/T_{\rm N}$ = Relative breakdown torque $T_{\rm H}/T_{\rm N}$ = Relative average acceleration torque