

Datasheet for SIMOGEAR Geared Motors



MLFB-Ordering data: 2KJ3105-3GJ23-4AF1-Z

D01+G24+K01+K07+K26+L20+L51+M21+M55+N41+W10+W11

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

For selected output shaft a calculation of the bearing life and the allowable radia	ıl load is required!
Mote	or data

	Motor data																		
U	D/Y	f _N	P _N	P _N	I _N	n _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	4.000	5.36	13.70	1,460	26.16	IE3	S1	180.916	211.15	1.94	88.6	89.2	0.82	7.10	2.40	3.70	2.60
400	Υ	50	4.000	5.36	7.90	1,460	26.16	IE3	S1	180.916	211.15	1.94	88.6	89.2	0.82	7.10	2.40	3.70	2.60
460	Υ	60	3.700	4.96	6.50	1,770	19.96	IE3	S1	219.330	161.10	2.55	89.5	89.4	0.80	8.20	2.90	4.30	3.20

1LE motor with Premium Efficiency LE112ZMKB4P Motor type

Number of poles 4-pole Degree of protection (K01) IP55 155 (F) Thermal class Moment of inertia Jmot 0.01700 kgm²

Geared motor					
Type designation	SIMOGEAR Z59-LE112ZMKB4P				
Gearbox	Helical gearbox Z59				
Mounting type gearbox	Foot-mounted design				
Output shaft	$V40 \times 80$ mm (Solid shaft with feather key)				
Mounting position	(D01) M1				
Transmission ratio	8.07 (121 / 15)				
Nominal torque	410.00 Nm				
Gear oil	(K07) Synthetic oil CLP PG VG220				
Oil charge	0.7				
Specification	CE (Europe / other countries)				
Environment temperature	-15 +40 °C				
Weight without oil	52.9 kg				
Housing material first gearbox	Cast iron				

Gearbox options				
Output shaft bearing	Standard bearing			
Output shaft sealing	(G24) Seal for increased environmental stress			
Gearbox breather	Pressure breather valve			
Oil level control	Oil level screw			
Oil drain	Oil drain plug			

Мо	Motor options			
Motor protection	Without			
Internal corrosion protection	(N41)			

Terminal box position (M55) 1A Electrical connection at terminal box Cable gland metric Ventilation (M21) Metal fan

General options				
Surface treatments	Painted			
Coating	(L20) Coating for high environmental stress C4			
RAL Color	(L51) 7011 iron gray			
Coating on flange	-			
Rating Plate stainless steel	(K26)			
Packing	Standard packing			
Additional documentation (E-Mail)	(W10) Works test certificate 3.1 motor (W11) Works test certificate 3.1 gearbox			

Mail)	(W11) Works test certificate 3.1 gearbox
Furthe	er information
General product information	SIMOGEAR
Configurator	<u>2KJ</u>
Operating instructions	
Gearbox	BA 2030
Motor	BA 2330
Catalog	MD 50.1 Geared motors

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

 n_2 = Geared motor output speed T_2 = Geared motor output torque f_8 = Service factor

η = Efficiency *) On request

cos φ = Power factor I_A/I_N = Relative starting current T_A/T_N = Relative starting torque T_K/T_N = Relative breakdown torque T_H/T_N = Relative average acceleration torque