

## **Datasheet for SIMOGEAR Geared Motors**



2KJ3107-3GH22-9AM1-Z MLFB-Ordering data:

D04+G20+G23+G53+K01+K06+L20+L50+M10+M21+M59+N41+N5H+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 radial load is required!

Motor data																			
U [V]	D/Y	f <sub>N</sub> [Hz]	P <sub>N</sub> [kW]	P <sub>N</sub> [hp]	I <sub>N</sub> [A]	n <sub>N</sub> [rpm]	T <sub>N</sub> [Nm]	IE-CL	Operating mode	n <sub>2</sub> [rpm]	T <sub>2</sub> [Nm]	f <sub>B</sub>	η <sub>4/4 load</sub> [%]	η <sub>3/4 load</sub> [%]	cos φ	I <sub>A</sub> /I <sub>N</sub>	T <sub>A</sub> /T <sub>N</sub>	T <sub>K</sub> /T <sub>N</sub>	T <sub>H</sub> /T <sub>N</sub>
460	Υ	60	4.550	6.10	8.00	1,760	24.68	IE2	S1	101.675	427.37	1.97	87.5	88.0	0.82	7.50	2.40	3.20	2.60

1LE motor with High Efficiency LE112ME4E Motor type Number of poles 4-pole (K01) IP55 Degree of protection Thermal class 155 (F) Moment of inertia Jmot 0.01400 kgm<sup>2</sup>

Geared motor SIMOGEAR Z79-LE112ME4E Type designation Helical gearbox Z79 Gearbox Foot-mounted design Mounting type gearbox V50 x 100 mm (Solid shaft with feather key) **Output shaft** (D04) M4 Mounting position 17.31 (2,665 / 154) Transmission ratio Nominal torque 840.00 Nm (K06) Mineral oil CLP VG220 Oil charge Specification CE (Europe / other countries) **Environment temperature** -15 ... +40 °C Weight without oil 62.6 kg Housing material first gearbox Cast iron

Gearbox options					
Output shaft bearing	(G20) Radial reinforced bearing				
Output shaft sealing	(G23) Seal with longer service life				
Gearbox breather	Pressure breather valve				
Oil level control	Oil level screw				
Oil drain	(G53) Oil drain plug magnetic				

## Motor options

(M10) Temperature sensor PTC thermistor, disconnection Motor protection

Internal corrosion protection (N41)

Terminal box position	(M59) 2A			
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	(L50) 5015 sky blue					
Coating on flange	-					
Packing	Standard packing					
Additional documentation (E- Mail)	(W10) Works test certificate 3.1 motor (W11) Works test certificate 3.1 gearbox					
Further information						
General product information	SIMOGEAR					
Configurator	2KJ					
Operating instructions						
Gearbox	BA 2030					
Motor	BA 2330					

Catalog	MD 50.1 Geared motors

U = Voltage D / Y = Circuit f = Frequency P<sub>N</sub> = Rated motor power

I<sub>N</sub> = Rated current n<sub>N</sub> = Rated motor speed T<sub>N</sub> = Rated motor torque IE-CL = Efficiency class

n<sub>2</sub> = Geared motor output speed

 $T_2$  = Geared motor output torque  $f_B$  = Service factor

η = Efficiency \*) On request

cos φ = Power factor  $I_A/I_N$  = Relative starting current  $I_A/I_N$  = Relative starting torque  $T_{\rm K}/T_{\rm N}$  = Relative breakdown torque  $T_{\rm H}/T_{\rm N}$  = Relative average acceleration torque