

Datasheet for SIMOGEAR Geared Motors



MLFB-Ordering data: 2KJ3101-1CE22-9AF1-Z

D01+K01+K06+L00+M10+M60+N6C+Q60+Q95

19.42

Client order no.:

Order no.:

Offer 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 _{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
400		50	0.370	0.49	1.02	1,380	2.56	IE2	S1	220.800	16.00	3.50	72.7	73.2	0.72	3.80	2.30	2.40	2.50

Motor type 1LE motor with High Efficiency LE71ZMK4E

 Number of poles
 4-pole

 Degree of protection
 (K01) IP55

 Thermal class
 155 (F)

 Moment of inertia Jmot
 0.00095 kgm²

Geared motor SIMOGEAR Z19-LE71ZMK4E-IN Type designation Gearbox Helical gearbox Z19 Mounting type gearbox Foot-mounted design V20 x 40 mm (Solid shaft with feather Output shaft Mounting position (D01) M1 Transmission ratio 6.25 (1,705 / 273) Nominal torque 56.00 Nm Gear oil (K06) Mineral oil CLP VG220 Oil charge 0.11 Specification CE (Europe / other countries) **Environment temperature** -15 ... +40 °C Weight without oil 10.5 kg Housing material first gearbox Aluminum

Gearbox options						
Output shaft bearing	Standard bearing					
Output shaft sealing	Standard sealing					
Gearbox breather	Non-ventilated					
Oil level control	Without					
Oil drain	Oil drain plug					

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

Encoder options							
Incremental encoder (Up 10-30 V DC)							
IP66							
Cable terminal box							
(Q95) encoder underneath cover							
(Q60) 1XP8022-11							

Terminal box position (M60) 2B

Electrical connection at terminal box

Ventilation Standard fan

General options						
Surface treatments	Unpainted					
Coating	(L00) Unpainted					
Packing	Standard packing					
Further information						
General product information	SIMOGEAR					
Configurator	<u>2KJ</u>					
Operating instructions						
Gearbox	BA 2030					
Motor	BA 2330					

Catalog	MD 50.1 Geared motors	

Legend

n₂ = Geared motor output speed

 T_2 = Geared motor output torque f_8 = Service factor η = Efficiency *) On request $\cos \phi = \text{Power factor} \\ I_n/I_N = \text{Relative starting current} \\ T_n/I_N = \text{Relative starting torque} \\ T_n/I_N = \text{Relative breakdown torque} \\ T_n/I_N = \text{Relative average acceleration torque} \\ T_n/I_N = \text{Relative acceleration torq$