

Datasheet for SIMOGEAR Geared Motors



21.19

MLFB-Ordering data : 2KJ3107-1GJ23-9FJ1-Z
D01+H06+K01+K06+L02+L75+M55+N1T+P80

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

Motor data

U	D/Y	f _N	P _N	P _N	I _N	n _N	T _N	IE-CL	Operating mode	n ₂	T ₂	f _B	η [%]	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]			[rpm]	[Nm]		4/4 3/4 2/4					
240	D	50	4.000	5.36	13.20	1,460	26.16	IE3	S1	127.177	300.37	2.80	88.6 89.2 88.6	0.82	7.10	2.40	3.70	2.60
415	Y	50	4.000	5.36	7.60	1,460	26.16	IE3	S1	127.177	300.37	2.80	88.6 89.2 88.6	0.82	7.10	2.40	3.70	2.60

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 J _{mot}	0.01700 kgm ²

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

Geared motor

Type designation	SIMOGEAR ZF79-LE112ZMKB4P
Gearbox	Helical gearbox ZF79
Mounting type gearbox	Flange-mounted design
Output shaft	V40 x 80 mm (Solid shaft with feather key)
Mounting position	(D01) M1
Transmission ratio	11.48 (287 / 25)
Nominal torque	840.00 Nm
Gear oil	(K06) Mineral oil CLP VG220
Oil charge	1.1 l
Specification	CE (Europe / other countries)
Environment temperature	-15 ... +40 °C
Weight without oil	69.2 kg
Housing material first gearbox	Cast iron

General options

Surface treatments	Painted
Coating	(L02) Coating for normal environmental stress C1
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

Gearbox options

Flange diameter	(H06) 250 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	Without
Voltage tolerance +-10%	(P80)

Legend

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

n₂ = Geared motor output speed
T₂ = Geared motor output torque
f_B = 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