

Datasheet for SIMOGEAR Geared Motors



19.42

MLFB-Ordering data : **2KJ3210-1GJ23-2AH1-Z**
D01+K01+K07+L03+L50+M41+M55+N41+N54

Client order no. :

Order no. :

Offer no. :

Item no. :

Consignment 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 _{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]			[rpm]	[Nm]		[%]	[%]					
230	D	50	4.000	5.36	13.70	1,460	26.16	IE3	S1	11.696	3,265.79	0.95	88.6	89.2	0.82	7.10	2.40	3.70	2.60
400	Y	50	4.000	5.36	7.90	1,460	26.16	IE3	S1	11.696	3,265.79	0.95	88.6	89.2	0.82	7.10	2.40	3.70	2.60
460	Y	60	4.550	6.10	7.70	1,760	24.68	IE3	S1	14.100	3,081.74	1.01	89.5	90.0	0.83	7.30	2.50	3.80	2.80

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 kgm²

Terminal box position (M55) 1A

Electrical connection at terminal box Cable gland metric

Ventilation Standard fan

Geared motor

Type designation SIMOGEAR D109-LE112ZMKB4P

Gearbox Helical gearbox D109

Mounting type gearbox Foot-mounted design

Output shaft V60 x 120 mm (Solid shaft with feather key)

Mounting position (D01) M1

Transmission ratio 124.82 (754,885 / 6,048)

Nominal torque 3,100.00 Nm

Gear oil (K07) Synthetic oil CLP PG VG220

Oil charge 2.8 l

Specification CE (Europe / other countries)

Environment temperature -15 ... +40 °C

Weight without oil 142.6 kg

Housing material first gearbox Cast iron

General options

Surface treatments Painted

Coating (L03) Coating for low environmental stress C2

RAL Color (L50) 5015 sky blue

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

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

Increased air humidity/temperature (N54)

Internal corrosion protection (N41)

Anti-condens. heating (M41) 230 V Anti-condensation heating

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