



19.42

Datasheet for SIMOGEAR Geared Motors

MLFB-Ordering data : **2KJ3305-5EK23-2FN1-Z**
D04+G20+G60+H06+K01+K12+L20+L52+M10+M41+M58+N22

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	1.100	1.47	4.17	1,440	7.29	IE3	S1	68.899	152.47	6.56	84.1	84.7	0.78	6.90	2.90	3.60	3.20
400	Y	50	1.100	1.47	2.40	1,440	7.29	IE3	S1	68.899	152.47	6.56	84.1	84.7	0.78	6.90	2.90	3.60	3.20
460	Y	60	1.270	1.70	2.35	1,740	6.97	IE3	S1	83.253	145.68	6.86	86.5	86.9	0.79	7.40	2.90	3.80	3.20

Motor type	1LE motor with Premium Efficiency LE90SM4PW
Number of poles	4-pole
Degree of protection	(K01) IP55
Thermal class	155 (F)
Moment of inertia J_{mot}	0.00360 kgm ²

Terminal box position	(M58) 1D
Electrical connection at terminal box	Cable gland metric
Ventilation	Standard fan

Geared motor

Type designation	SIMOGEAR FZAF79-LE90SM4PW
Gearbox	Parallel shaft gearbox FZAF79
Mounting type gearbox	Flange-mounted design
Output shaft	H40 mm (Hollow shaft)
Mounting position	(D04) M4
Transmission ratio	20.90 (209 / 10)
Nominal torque	1,000.00 Nm
Gear oil	(K12) Synthetic oil CLP PAO VG220
Oil charge	4.1 l
Specification	CE (Europe / other countries)
Environment temperature	-15 ... +40 °C
Weight without oil	54.8 kg
Housing material first gearbox	Cast iron

General options

Surface treatments	Painted
Coating	(L20) Coating for high environmental stress C4
RAL Color	(L52) 2004 pure orange
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
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Gearbox options

Flange diameter	(H06) 250 mm
Hollow shaft cover	(G60) Protection cover
Output shaft bearing	(G20) Radial reinforced 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	(M10) Temperature sensor PTC thermistor, disconnection
Canopy	(N22)
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