



19.42

Datasheet for SIMOGEAR Geared Motors

MLFB-Ordering data : 2KJ3305-5GJ23-2AP1-Z
D03+G20+G24+K01+K07+K26+L20+L75+M21+M55+N41+P01

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 _{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	2.200	2.95	8.70	970	21.65	IE3	S1	40.534	518.32	1.93	84.3	85.0	0.75	5.60	2.20	2.80	2.40
400	Y	50	2.200	2.95	5.00	970	21.65	IE3	S1	40.534	518.32	1.93	84.3	85.0	0.75	5.60	2.20	2.80	2.40
460	Y	60	2.550	3.41	4.90	1,170	20.81	IE2	S1	48.892	498.08	2.01	87.5	88.1	0.75	5.90	2.20	2.80	2.40

Motor type	1LE motor with Premium Efficiency LE112ZMKB6P
Number of poles	(P01) 6-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	(M21) Metal fan

Geared motor	
Type designation	SIMOGEAR FZA79-LE112ZMKB6P
Gearbox	Parallel shaft gearbox FZA79
Mounting type gearbox	Foot-mounted design
Output shaft	H40 mm (Hollow shaft)
Mounting position	(D03) M3
Transmission ratio	23.93 (646 / 27)
Nominal torque	1,000.00 Nm
Gear oil	(K07) Synthetic oil CLP PG VG220
Oil charge	2.9 l
Specification	CE (Europe / other countries)
Environment temperature	-15 ... +40 °C
Weight without oil	65.0 kg
Housing material first gearbox	Cast iron

Gearbox options	
Hollow shaft cover	Sealing cap
Output shaft bearing	(G20) Radial reinforced bearing
Output shaft sealing	(G24) Seal for increased environmental stress
Gearbox breather	Pressure breather valve
Oil level control	Oil level screw
Oil drain	Oil drain plug

Motor options	
Motor protection	Without
Internal corrosion protection	(N41)

General options	
Surface treatments	Painted
Coating	(L20) Coating for high environmental stress C4
RAL Color	(L75) 7016 anthracite gray
Coating on flange	-
Rating Plate stainless steel	(K26)
Packing	Standard packing

Further information	
General product information	SIMOGEAR
Configurator	2KJ.....
<u>Operating instructions</u>	
Gearbox	BA 2030
Motor	BA 2330
Catalog	MD 50.1 Geared motors

Legend			
U = Voltage	I _N = Rated current	n ₂ = Geared motor output speed	cos φ = Power factor
D / Y = Circuit	n _N = Rated motor speed	T ₂ = Geared motor output torque	I _A /I _N = Relative starting current
f = Frequency	T _N = Rated motor torque	f _B = Service factor	T _A /T _N = Relative starting torque
P _N = Rated motor power	IE-CL = Efficiency class	η = Efficiency	T _K /T _N = Relative breakdown torque
		*) On request	T _H /T _N = Relative average acceleration torque