



Datasheet for SIMOGEAR Geared Motors

MLFB-Ordering data : 2KJ3305-9FN23-9DT1-Z
B14+C02+C26+C47+D01+H7A+K01+K06+L02+L75+M55+N38+N4N

Client order no. : Item no. :
Order no. : Consignment 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
230	YY	60	2.200	2.95	7.60	1,770	11.87	IE3	CONT.	49.098	427.92	2.34	89.5	89.2	0.81	9.60	3.50	5.10	3.90
460	Y	60	2.200	2.95	3.80	1,770	11.87	IE3	CONT.	49.098	427.92	2.34	89.5	89.2	0.81	9.60	3.50	5.10	3.90

Motor type	1LE motor with Premium Efficiency LE100ZLSA4P																	
Number of poles	4-pole																	
Degree of protection	(K01) IP55																	
Thermal class	155 (F)																	
Moment of inertia J _{mot}	0.01400 kgm²																	
Terminal box position	(M55) 1A																	
Electrical connection at terminal box	Cable gland metric																	
Ventilation	Standard fan																	

Geared motor	
Type designation	SIMOGEAR FZAD79-LE100ZLSA4P-L16/8NH
Gearbox	Parallel shaft gearbox FZAD79
Mounting type gearbox	Shaft-mounted design (torque arm)
Output shaft	H1.5" (Hollow shaft)
Mounting position	(D01) M1
Transmission ratio	36.05 (1406 / 39)
Nominal torque	1,000.00 Nm
Gear oil	(K06) Mineral oil CLP VG220
Oil charge	2.6 l
Specification	CE (Europe / other countries)
Additional specifications	(N38) UL-R/CSA (North America)
Environment temperature	-15 ... +40 °C
Weight without oil	66.9 kg
Housing material first gearbox	Cast iron

Gearbox options	
Hollow shaft cover	Sealing cap
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

Brake data	
Brake type (torque at 100 rpm)	(B14) L16/8 (8 Nm)
Safety factor k (at 60 Hz)	0.67
Supply voltage	(C47) 400V AC +/-10%
Rectifier	Standard
Brake design	Open-type (standard)
Manual brake release lever	(C02) Manual brake release lever (C26) Position 1
Working capacity	
per switching operation	12.0 kJ
until readjustment of air gap	108.0 MJ
until replacement of brake lining	405 MJ
Electrical data	
Coil voltage	180V DC
Current consumption	0.07 A
Power consumption at 20 °C	30 W
Switching times	
Application time	
AC switched	350 ms
AC/DC or DC switched	36 ms
Disconnection time	55 ms

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
Liability for defects	12 months from date of delivery (standard)

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

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Further information	
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General product information	SIMOGEAR
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Configurator	2KJ.....
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Operating instructions

Gearbox	BA 2030
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Motor	BA 2330
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Catalog	MD 50.1 Geared motors
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