



19.42

Datasheet for SIMOGEAR Geared Motors

MLFB-Ordering data : 2KJ3604-6FN23-4HF1-Z
D14+K01+K08+L03+L75+M12+M60+N04

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	7.70	1,465	14.34	IE3	S1	125.213	153.97	2.34	86.7	87.3	0.83	7.60	2.10	3.60	2.30
400	Y	50	2.200	2.95	4.40	1,465	14.34	IE3	S1	125.213	153.97	2.34	86.7	87.3	0.83	7.60	2.10	3.60	2.30
460	Y	60	2.200	2.95	3.90	1,770	11.87	IE2	S1	151.282	127.44	2.82	87.5	87.4	0.81	8.70	2.50	4.30	2.80

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 kgm ²
Terminal box position	(M60) 2B
Electrical connection at terminal box	(N04) Motor plug HAN10E (1 bracket)
Ventilation	Standard fan

Geared motor	
Type designation	SIMOGEAR CAZ69-LE100ZLSA4P
Gearbox	Helical worm gearbox CAZ69
Mounting type gearbox	Housing flange
Output shaft	H45 mm (Hollow shaft)
Mounting position	(D14) M4 output side A
Transmission ratio	11.70 (117 / 10)
Nominal torque	360.00 Nm
Gear oil	(K08) Synthetic oil CLP PG VG460
Oil charge	3.0 l
Specification	CE (Europe / other countries)
Environment temperature	(K95) -20 ... +40 °C
Weight without oil	57.0 kg
Housing material first gearbox	Cast iron

General options	
Surface treatments	Painted
Coating	(L03) Coating for low environmental stress C2
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	
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	(M12) Temperature switch winding thermostat (NC contact), disconnection

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