



19.42

Datasheet for SIMOGEAR Geared Motors

MLFB-Ordering data : 2KJ3308-9HJ22-9DT1-Z
B30+C47+D01+G24+H3A+K01+K07+L02+L75+M17+M55+N46+N6A+P91+Q83

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	7.500	10.05	25.60	1,465	48.89	IE2	S1	35.610	2,011.37	2.41	88.7	89.8	0.83	6.90	2.30	2.90	2.50
400	D	87	12.400	16.62	24.20	2,575	45.98	-	INV.DUTY	62.591	1,891.97	2.56	89.5	0.0	0.83	0.00	0.00	3.00	0.00

Motor type	1LE motor with High Efficiency LE132MF4E
Number of poles	4-pole
Degree of protection	(K01) IP55
Thermal class	155 (F)
Moment of inertia J _{mot}	0.02800 kgm²
Terminal box position	(M55) 1A
Electrical connection at terminal box	Cable gland metric
Ventilation	Standard fan

Geared motor	
Type designation	SIMOGEAR FZADS129-LE132MF4E-L150/125N-IA
Gearbox	Parallel shaft gearbox FZADS129
Mounting type gearbox	Shaft-mounted design (torque arm)
Output shaft	HS75 mm (Hollow shaft with shrink disk)
Mounting position	(D01) M1
Transmission ratio	41.14 (288 / 7)
Nominal torque	4,850.00 Nm
Gear oil	(K07) Synthetic oil CLP PG VG220
Oil charge	16.4 l
Specification	CE (Europe / other countries)
Environment temperature	-15 ... +40 °C
Weight without oil	214.8 kg
Housing material first gearbox	Cast iron

Brake data	
Brake type (torque at 100 rpm)	(B30) L150/125 (125 Nm)
Safety factor k (at 50 Hz)	2.55
Supply voltage	(C47) 400V AC +-10%
Rectifier	Standard
Brake design	Open-type (standard)
Working capacity	
per switching operation	60.0 kJ
until readjustment of air gap	612.0 MJ
until replacement of brake lining	2,295 MJ
Electrical data	
Coil voltage	180V DC
Current consumption	.21 A
Power consumption at 20 °C	85 W
Switching times	
Application time	
AC switched	1,200 ms
AC/DC or DC switched	85 ms
Disconnection time	225 ms

Gearbox options	
Hollow shaft cover	Sealing cap
Output shaft bearing	Standard 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	(M17) Resistance thermometer Pt1000
Condensation drain hole	(N46)

Encoder options	
Encoder	Absolute encoder (Up 5V+-5% DC)
Degree of protection	IP66
Mechanical variant	1m cable and connector socket
Mechanical protection	Canopy
Encoder type	(Q83) 1XP8024-10

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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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

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