SIEMENS

Datasheet for SIMOGEAR Geared Motors

21.19

MLFB-Ordering data : **2KJ3511-9HL23-9HJ1-Z**

B25+C02+C29+C63+D11+G34+G60+H3A+K01+K07+K41+L02+L27+L75+M12+M64+N3A+N50+N53+P91+Q95

Client order no. :
Order no. :
Offer no. :
Item no. :
Consignment 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	η [%] 3/4	η [%] 2/4	cos φ	I_A/I_N	T_A/T_N	T_K/T_N	T_H/T_N
230	D	50	7.500	10.05	24.90	1,465	48.89	IE3	S1	84.682	845.81	2.84	90.4	91.1	90.8	0.84	8.20	2.40	3.70	2.60
400	Y	50	7.500	10.05	14.30	1,465	48.89	IE3	S1	84.682	845.81	2.84	90.4	91.1	90.8	0.84	8.20	2.40	3.70	2.60
460	Y	60	7.500	10.05	12.70	1,775	40.35	IE2	S1	102.601	698.09	3.44	91.7	91.8	91.0	0.83	9.60	2.70	4.20	2.60
400	D	87	13.000	17.43	24.30	2,575	48.21	-	INV.DUTY	148.843	834.09	2.88	91.9	0.0	0.0	0.84	0.00	0.00	3.80	0.00
460	D	104	13.000	17.43	21.50	3,090	40.17	-	INV.DUTY	178.612	695.08	3.45	91.0	0.0	0.0	0.84	0.00	0.00	4.53	0.00

Motor type	1LE motor with Premium Efficiency LE132ZMS4P
Number of poles	4-pole
Degree of protection	(K01) IP55
Thermal class	155 (F)
Moment of inertia Jmot	0.04600 kgm²
Terminal box position	(M64) 3B
Electrical connection at terminal box	Cable gland metric
Ventilation	Standard fan

Geared motor

Type designation	SIMOGEAR KAZS109-LE132ZMS4P-L80/35NH-IV
Gearbox	Bevel gearbox KAZS109
Mounting type gearbox	Housing flange
Output shaft	HS65 mm (Hollow shaft with shrink disk)
Mounting position	(D11) M1 output side A
Transmission ratio	17.30 (14792 / 855)
Nominal torque	2,400.00 Nm
Gear oil	(K07) Synthetic oil CLP PG VG220
Oil charge	4.0 l
Specification	CE (Europe / other countries)
Environment temperature	-15 ... +40 °C
Weight without oil	162.9 kg
Housing material first gearbox	Cast iron

Gearbox options

Hollow shaft cover	(G60) Protection cover
Output shaft bearing	Standard bearing
Output shaft sealing	Standard sealing
Gearbox breather	Pressure breather valve
Oil level control	(G34) Oil sight glass
Oil drain	Oil drain plug

Motor options

Motor protection	(M12) Temperature switch winding thermostat (NC contact), disconnection
External ground screw	(N53)

Brake data

Brake type (torque at 100 rpm)	(B25) L80/35 (35 Nm)
Safety factor k (at 50 Hz)	0.71
Supply voltage	(C63) 460V AC +-10%
Rectifier	Standard
Brake design	Open-type (standard)
Manual brake release lever	(C02) Manual brake release lever (C29) Position 4
Working capacity	
per switching operation	36.0 kJ
until readjustment of air gap	396.0 MJ
until replacement of brake lining	2310 MJ
Electrical data	
Coil voltage	205V DC
Current consumption	0.11 A
Power consumption at 20 °C	55 W
Switching times	
Application time	
AC switched	1200 ms
AC/DC or DC switched	73 ms
Disconnection time	128 ms

Encoder options

Encoder	Encoder mounting prepared
Mechanical variant	-
Mechanical protection	(Q95) encoder underneath cover
Encoder type	(N50) Encoder mounting prepared

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
n_2 = Geared motor output speed
T_2 = 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

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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	(L27) Centering flanges on both sides not painted
Second rating plate	(K41) Second rating plate supplied loose
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