SIEMENS

Datasheet for SIMOGEAR Geared Motors

8.1

MLFB-Ordering data : 2KJ3511-9FN23-9FV1-Z

D14+H08+H7A+K01+K06+L02+L75+M55+N38+N4N+Q47

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	$\eta_{4/4\ load}$ [%]	$\eta_{3/4\ load}$ [%]	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.	22.835	920.04	3.15	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.	22.835	920.04	3.15	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 Jmot	0.01400 kgm²
Terminal box position	(M55) 1A
Electrical connection at terminal box	Cable gland metric
Ventilation	Standard fan

Geared motor

Type designation	SIMOGEAR KAF109-LE100ZLSA4P-IN
Gearbox	Bevel gearbox KAF109
Mounting type gearbox	Flange-mounted design
Output shaft	H2.375" (Hollow shaft)
Mounting position	(D14) M4 output side A
Transmission ratio	77.51 (153,467 / 1,980)
Nominal torque	2,900.00 Nm
Gear oil	(K06) Mineral oil CLP VG220
Oil charge	11.4 l
Specification	CE (Europe / other countries)
Additional specifications	(N38) UL-R/CSA (North America)
Environment temperature	-15 ... +40 °C
Weight without oil	136.5 kg
Housing material first gearbox	Cast iron

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.....
Operating instructions	
Gearbox	BA 2030
Motor	BA 2330
Catalog	MD 50.1 Geared motors

Gearbox options

Flange diameter	(H08) 350 mm
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

Encoder options

Encoder	Incremental encoder (Up 10-30 V DC)
Degree of protection	IP66
Mechanical variant	Cable and connector socket
Mechanical protection	Canopy
Encoder type	(Q47) HTL1024S/R KD

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

Technical data are subject to change! There may be discrepancies between calculated and rating plate values.

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