SIEMENS

Datasheet for SIMOGEAR Geared Motors

19.42

MLFB-Ordering data : **2KJ3105-1FN23-2AM1-Z**

D01+G23+K03+K07+L03+L55+M59

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	$\eta_{4/4\ load}$ [%]	$\eta_{3/4\ load}$ [%]	cos φ	I_A/I_N	T_A/T_N	T_K/T_N	T_H/T_N
230	D	50	2.200	2.95	7.70	1,465	14.34	IE3	S1	81.615	257.43	1.75	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	81.615	257.43	1.75	86.7	87.3	0.83	7.60	2.10	3.60	2.30
460	Y	60	2.550	3.41	4.35	1,760	13.83	IE2	S1	98.050	248.37	1.81	87.5	87.9	0.84	7.70	2.20	3.70	2.40

Motor type	1LE motor with Premium Efficiency LE100ZLSA4P
Number of poles	4-pole
Degree of protection	(K03) IP65
Thermal class	155 (F)
Moment of inertia Jmot	0.01400 kgm²
Terminal box position	(M59) 2A
Electrical connection at terminal box	Cable gland metric
Ventilation	Standard fan

Geared motor

Type designation	SIMOGEAR Z59-LE100ZLSA4P
Gearbox	Helical gearbox Z59
Mounting type gearbox	Foot-mounted design
Output shaft	V35 x 70 mm (Solid shaft with feather key)
Mounting position	(D01) M1
Transmission ratio	17.95 (2,585 / 144)
Nominal torque	450.00 Nm
Gear oil	(K07) Synthetic oil CLP PG VG220
Oil charge	0.7 l
Specification	CE (Europe / other countries)
Environment temperature	-15 ... +40 °C
Weight without oil	51.9 kg
Housing material first gearbox	Cast iron

General options

Surface treatments	Painted
Coating	(L03) Coating for low environmental stress C2
RAL Color	(L55) 7030 stone gray
Coating on flange	-
Packing	Standard packing

Gearbox options

Output shaft bearing	Standard bearing
Output shaft sealing	(G23) Seal with longer service life
Gearbox breather	Pressure breather valve
Oil level control	Oil level screw
Oil drain	Oil drain plug

Further information

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

Motor options

Motor protection	Without

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