SIEMENS

Datasheet for SIMOGEAR Geared Motors

19.42

MLFB-Ordering data : **2KJ3411-5JP22-4FM1-Z**

D02+G24+G34+H10+K01+K06+L02+L50+M55+P90

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
400	D	50	11.000	14.75	21.00	1,470	71.46	-	S3-75%	9.317	11,273.88	1.21	89.8	91.0	0.85	6.70	2.10	2.80	2.30
690	Y	50	11.000	14.75	12.20	1,470	71.46	-	S3-75%	9.317	11,273.88	1.21	89.8	91.0	0.85	6.70	2.10	2.80	2.30
460	D	60	11.000	14.75	18.10	1,775	59.18	-	S3-75%	11.251	9,336.95	1.46	91.0	91.2	0.84	7.70	2.50	3.20	2.80

Motor type	1LE motor with High Efficiency LE160MF4E
Number of poles	4-pole
Degree of protection	(K01) IP55
Thermal class	155 (F)
Moment of inertia Jmot	0.05500 kgm²
Terminal box position	(M55) 1A
Electrical connection at terminal box	Cable gland metric
Ventilation	Standard fan

Geared motor

Type designation	SIMOGEAR FDAF169-LE160MF4E
Gearbox	Parallel shaft gearbox FDAF169
Mounting type gearbox	Flange-mounted design
Output shaft	H100 mm (Hollow shaft)
Mounting position	(D02) M2
Transmission ratio	157.76 (56,320 / 357)
Nominal torque	13,600.00 Nm
Gear oil	(K06) Mineral oil CLP VG220
Oil charge	52.2 l
Specification	CE (Europe / other countries)
Environment temperature	-15 ... +40 °C
Weight without oil	585.0 kg
Housing material first gearbox	Cast iron

Gearbox options

Flange diameter	(H10) 550 mm
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	(G34) Oil sight glass
Oil drain	Oil drain plug

Motor options

Motor protection	Without

General options

Surface treatments	Painted
Coating	(L02) Coating for normal environmental stress C1
RAL Color	(L50) 5015 sky blue
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

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