

MLFB-Ordering data 1FG1107-1QF32-2AW1-Z
D01+K07+N23

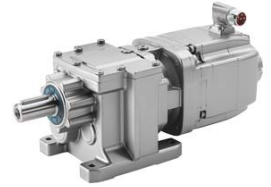


Figure similar

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Gearbox data

Gear box type	Z79	Radial force maximum	11800 N
Gearbox basic type	Helical geared	Max. permissible radial force with Mmax	11000 N
Gearbox size	79	Moment of inertia	0.73 kgcm ²
Transmission stages	2	Torsional stiffness	47 Nm/°
Transmission (ratio)	44.42	Efficiency	0.94
Gear number relation	533/12	Mounting position	M1
Output moment maximum (short-time)	890 Nm	Mounting type	Foot-mounted
max. input speed (briefly)	4500 rpm	Output shaft version	Solid shaft standard
Output speed short-time	101 rpm	Output shaft dimension	V40x80 mm
Emergency off output moment (1000 cycles)	1420 Nm	Gearbox flange diameter	-/-

Figure 2 torque support

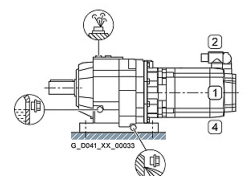
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General tech. specifications

Degree of protection	IP65
Color of the housing	Standard painting (Anthracite RAL 7016)
Specification	CE / UL / CSA / EAC / cRUus
Net weight	54.45 kg
1m-sound pressure level L _{pA} (Tol.+3dB(A))	75
Plug position	top (default) (2)
Adapter flange position	top (default) (2)

Lubrication and sealing

Gear oil	Polyglycol oil CLP ISO PG VG220
Output shaft sealing	Standard
Oil charge	1.10 l



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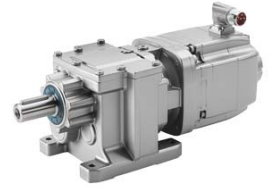


Figure similar

Motor data		Limiting data	
Motor type	Permanent-magnet synchronous motor	Maximum speed (short-time)	6000 rpm
Motor type	Compact	Maximum torque	50.00 Nm
DC-link voltage, max.	510...720V	Motor current short term	27.5 A
Shaft height	80 mm	Optimum operating point	
Cooling	Natural cooling	Optimum speed	2000 rpm
Rated speed	2000 rpm	Optimum power	2.45 kW
Rated torque (100K)	11.60 Nm	Recommended Motor Module	
Rated power	2.43 kW	Rated inverter current	9.0 A
Rated current (100K)	5.80 A	Maximum inverter current	27.0 A
Static torque	15.50 Nm	Maximum torque	49.3 Nm
Static current	7.30 A	Holding brake	
Moment of inertia	29.50000 kgcm ²	Holding brake	with holding brake
Efficiency η	92 %	Holding brake version	Permanent-magnet brake
Temperature monitoring	Pt1000 temperature sensor	Power supply voltage	DC 24 V $\pm$ 10 %
Connector size	1	Braking torque M_{2Br}	11.00 Nm
Encoder system	Encoder AS20DQI: absolute encoder single-turn 20 bits	Holding torque M_{4Br}	22.00 Nm
		Opening time	200.0 ms
		Closing time	60.0 ms
		Maximum switching energy per braking action	1400.0 J

Info servo geared motor

Outside the standard temperature range of -10 to +40 °C, further selectable options must be observed, in addition to the lubricant selection.

Further, you have to check the suitability of the components and options used for the requested temperature range.

SIEMENS

Data sheet for SIMOTICS S-1FG1

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Figure similar

Options		Standards	
D01	M1 for helical and parallel shaft gearboxes	Compliance with standards	CE / UL / CSA / EAC / cRUus
K07	Polyglycol oil CLP ISO PG VG220		
N23	Standard holding brake (permanent magnet brake)		
		CE marking	EN 60034