

MLFB-Ordering data 1FG1507-1QF32-2HN1-Z
D11+G20+G23+K06

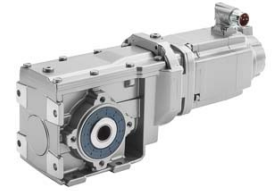


Figure similar

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Gearbox data

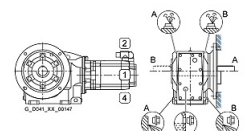
Gear box type	K69	Radial force maximum ¹⁾	Calculation required
Gearbox basic type	Bevel geared	Max. permissible radial force with Mmax ¹⁾	Calculation required
Gearbox size	69	Moment of inertia	1.20 kgcm ²
Transmission stages	3	Torsional stiffness	55 Nm/°
Transmission (ratio)	26.05	Efficiency	0.94
Gear number relation	3751/144	Mounting position	M1-A
Output moment maximum (short-time)	605 Nm	Mounting type	Housing flange (C type)
max. input speed (briefly)	4500 rpm	Output shaft version	Solid shaft standard
Output speed short-time	173 rpm	Output shaft dimension	V35x70 mm
Emergency off output moment (1000 cycles)	1020 Nm	Gearbox flange diameter	-/-
		Output shaft bearing	Yes
		Figure 2 torque support	-

General tech. specifications

Degree of protection	IP65
Color of the housing	Standard painting (Anthracite RAL 7016)
Specification	CE / UL / CSA / EAC / cRUus
Net weight	42.25 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	Mineral oil CLP ISO VG220
Output shaft sealing	Seal longer service life
Oil charge	0.85 l



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Data sheet for SIMOTICS S-1FG1

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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		
Moment of inertia	26.00 kgcm ²		
Efficiency η	92 %		
Temperature monitoring	Pt1000 temperature sensor		
Connector size	1		
Encoder system	Encoder AS20DQI: absolute encoder single-turn 20 bits		

1) For the option G20 (reinforced bearing), a calculation must be performed using the Siemens tool ALVIS to determine the value. Please contact your Siemens representative.

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.

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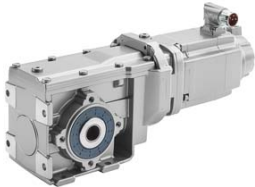


Figure similar

Options		Standards	
D11	M1-A for bevel and worm gearboxes	Compliance with standards	CE / UL / CSA / EAC / cRUus
G20	Radially reinforced output shaft bearing		
G23	Seal longer service life		
K06	Mineral oil CLP ISO VG220	CE marking	EN 60034