

MLFB-Ordering data 1FG1500-1RC26-2FX1-Z
D15+K07+N23

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Gearbox data

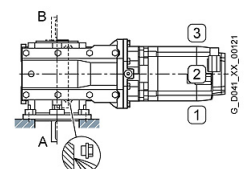
Gear box type	B19	Radial force maximum	1910 N
Gearbox basic type	Bevel geared	Max. permissible radial force with Mmax	1910 N
Gearbox size	19	Moment of inertia	0.03 kgcm ²
Transmission stages	2	Torsional stiffness	9 Nm/°
Transmission (ratio)	37.28	Efficiency	0.93
Gear number relation	671/18	Mounting position	M5-A
Output moment maximum (short-time)	51 Nm	Mounting type	Flange version (A type)
max. input speed (briefly)	4500 rpm	Output shaft version	Solid shaft standard
Output speed short-time	121 rpm	Output shaft dimension	V20x40 mm
Emergency off output moment (1000 cycles)	85 Nm	Gearbox flange diameter	120 mm
		Output shaft bearing	No
		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	8.92 kg
1m-sound pressure level L_{pA} (Tol.+3dB(A))	65
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	0.30 l



No image
available for this
configuration.

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Figure similar

Motor data		Limiting data	
Motor type	Permanent-magnet synchronous motor	Maximum speed (short-time)	10000 rpm
Motor type	Compact	Maximum torque	4.50 Nm
DC-link voltage, max.	510...720V	Motor current short term	7.0 A
Shaft height	36 mm	Optimum operating point	
Cooling	Natural cooling	Optimum speed	6000 rpm
Rated speed	6000 rpm	Optimum power	0.41 kW
Rated torque (100K)	0.65 Nm	Recommended Motor Module	
Rated power	0.41 kW	Rated inverter current	3.0 A
Rated current (100K)	1.09 A	Maximum inverter current	9.0 A
Static torque	1.01 Nm	Maximum torque	4.5 Nm
Static current	1.50 A	Holding brake	
Moment of inertia	0.75000 kgcm²	Holding brake	with holding brake
Efficiency η	87 %	Holding brake version	Permanent-magnet brake
Temperature monitoring	Pt1000 temperature sensor	Power supply voltage	DC 24 V ± 10 %
Connector size	1	Braking torque M _{1Br} / M _{2Br}	1.00 Nm
Encoder system	Encoder AM20DQI: absolute encoder 20 bits (resolution 1048576, encoder-internal 512 S/R) + 12 bits multi-turn (traversing range 4096 revolutions)	Holding torque M _{4Br}	1.90 Nm
		Opening time	50.0 ms
		Closing time	30.0 ms
		Maximum switching energy per braking action	40.0 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.

No image
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Figure similar

Options		Standards	
D15	M5-A for bevel and worm 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