

Figure similar

MLFB-Ordering data 1FG1512-1QF12-2HX1-Z
D25+K06

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

Gearbox data			
Gear box type	K129	Radial force maximum	40000 N
Gearbox basic type	Bevel geared	Max. permissible radial force with Mmax	40000 N
Gearbox size	129	Moment of inertia	14.10 kgcm²
Transmission stages	3	Torsional stiffness	421 Nm/°
Transmission (ratio)	89.09	Efficiency	0.95
Gear number relation	92204/1035	Mounting position	M5-B
Output moment maximum (short-time)	3120 Nm	Mounting type	Housing flange (C type)
max. input speed (briefly)	4500 rpm	Output shaft version	Solid shaft standard
Output speed short-time	51 rpm	Output shaft dimension	V70x140 mm
Emergency off output moment (1000 cycles)	7480 Nm	Gearbox flange diameter	-/-
		Figure 2 torque support	-

General tech. specifications		Lubrication and sealing	
Degree of protection	IP65	Gear oil	Mineral oil CLP ISO VG220
Color of the housing	Standard painting (Anthracite RAL 7016)		
Specification	CE / UL / CSA / EAC / cRUus	Output shaft sealing	Standard
Net weight	162.93 kg	Oil charge	14.10 l
1m-sound pressure level L _{pA} (Tol.+3dB(A))	75		
Plug position	top (default) (2)		
Adapter flange position	top (default) (2)		

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Data sheet for SIMOTICS S-1FG1

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D25+K06

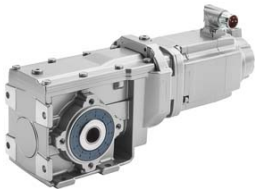


Figure similar

Motor data		Limiting data	
Motor type	Permanent-magnet synchronous motor	Maximum speed (short-time)	6000 rpm
Motor type	Compact	Maximum torque	37.00 Nm
DC-link voltage, max.	510...720V	Motor current short term	17.2 A
Shaft height	80 mm	Optimum operating point	
Cooling	Natural cooling	Optimum speed	2000 rpm
Rated speed	2000 rpm	Optimum power	1.90 kW
Rated torque (100K)	9.10 Nm	Recommended Motor Module	
Rated power	1.91 kW	Rated inverter current	5.0 A
Rated current (100K)	4.00 A	Maximum inverter current	15.0 A
Static torque	11.00 Nm	Maximum torque	33.3 Nm
Static current	4.65 A		
Moment of inertia	20.00 kgcm ²		
Efficiency η	92 %		
Temperature monitoring	Pt1000 temperature sensor		
Connector size	1		
Encoder system	Encoder AS20DQI: absolute encoder single-turn 20 bits		

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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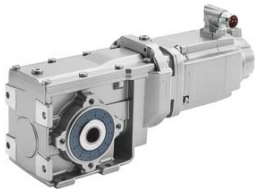


Figure similar

Options		Standards	
D25	M5-B for bevel and worm gearboxes	Compliance with standards	CE / UL / CSA / EAC / cRUus
K06	Mineral oil CLP ISO VG220		
		CE marking	EN 60034