

Article No. : 1FG1512-5RG32-2CG2

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



Figure similar

Item no. :
Consignment no. :
Project :

Gearbox data	
Gear box type	K129
Gearbox basic type	Bevel geared B / K
Gearbox size	129
Transmission stages	3
Transmission (ratio)	194.04
Gear number relation	8732/45
Output moment maximum (short-time)	4,480 Nm
max. input speed (briefly)	4,500 rpm
Output speed short-time	23 rpm
Emergency off output moment (1000 cycles)	7,480 Nm
Radial force maximum	40,000 N
Max. permissible radial force with Mmax	40,000 N
Moment of inertia	4.50 kgcm ²
Torsional stiffness	421 Nm/°
Efficiency	0.93
Mounting position	
Mounting type	Torque plate
Output shaft version	Hollow shaft standard
Output shaft dimension	H70 mm
Gearbox flange diameter	-/-
Figure 2 torque support	-

General tech. specifications	
Color of the housing	Standard painting (Anthracite RAL 7016)
Specification	CE / UL / CSA / EAC / cRUus
Net weight	175.88 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	
Output shaft sealing	Standard
Oil charge	I

Motor data	
Motor type	Permanent-magnet synchronous motor
Motor type	Compact
DC-link voltage, max.	510...720V
Shaft height	100 mm
Cooling	Natural cooling
Rated speed	2,000 rpm
Rated torque (100K)	22.50 Nm
Rated power	4.71 kW
Rated current (100K)	9.50 A
Static torque	31.50 Nm
Static current	12.90 A
Moment of inertia	104.00 kgcm ²
Efficiency η	93 %
Temperature monitoring	Pt1000 temperature sensor
Connector size	1.5
Degree of protection	IP65
Encoder system	Encoder AM20DQI: absolute encoder 20 bits (resolution 1048576, encoder-internal 512 S/R) + 12 bits multi-turn (traversing range 4096 revolutions)

Limiting data	
Maximum speed (short-time)	5,000 rpm
Maximum torque	108.00 Nm
Motor current short term	46.5 A

Optimum operating point	
Optimum speed	2,000 rpm
Optimum power	4.70 kW

Recommended Motor Module	
Rated inverter current	18.0 A
Maximum inverter current	54.0 A
Maximum torque	108.0 Nm

Standards	
Compliance with standards	CE / UL / CSA / EAC / cRUus
CE marking	EN 60034

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.