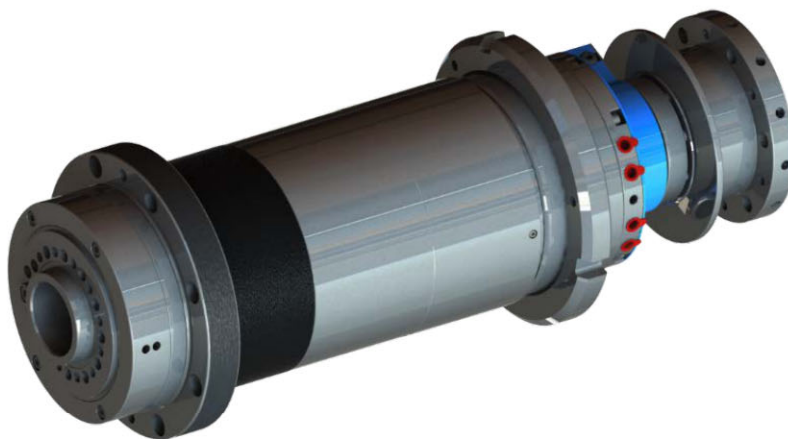


15004623 DGZYC-15006/5.5-FWVCS Lathe Motorized S pindle Instruction Manual



8 Appendix 1 Spindle Technical Specification

s

Spindle Model DGZC-15006/5.5-FWVCS		
Item	Parameter	Remarks
Motor Type	Three-phase AC Permanent Magnet Synchronous Motor	
Number of Poles		8
Rated Voltage		380
Rated Power (S1-100%) (kW)		5.5
Rated Torque (S1-100%) (Nm)		26.26
Rated Current (S1-100%) (A)		18
Continuous Rated Power (S6-40%) (kW)		6.9 ts=2 min
Continuous Rated Torque (S6-40%) (Nm)		33 ts=2 min
Continuous Rated Current (S6-40%) (A)		23.4 ts=2 min
Maximum Speed (rpm)		6,000
Rated Speed (rpm)		2000
Insulation Resistance (MΩ)		≥500
Ground Resistance (Ω)		≤1.0
Nose-end Specification		A2-4
Temperature Rise (°C)		15
Dynamic Balance Grade		G0.4
Encoder Specification	SYNTEC S08-GSKMCY-R-124	
Mounting Method	Horizontal	
Nose-end Face Runout (mm)		≤0.003
Nose-end Inner/Outer Taper Runout (mm)		≤0.003
Cylinder Flange Face Runout (mm)		≤0.01
Cylinder Flange Bore Runout (mm)		≤0.01
Standard Bar Runout (300mm)		≤0.008
Lubrication Method	Grease	
Axial Stiffness (N/μm)		≥510
Radial Stiffness (N/μm)		≥230
Vibration Value (mm/s)		≤0.8
Cooling Method	Water-cooled	
Cooling Water Flow (L/min)		3-4 (25°C)
Thermistor	KTY84-130	
Packaging Box Dimensions (mm)	590×370×290	
Weight (KG)	47.8+10.5 (packaging box)	