



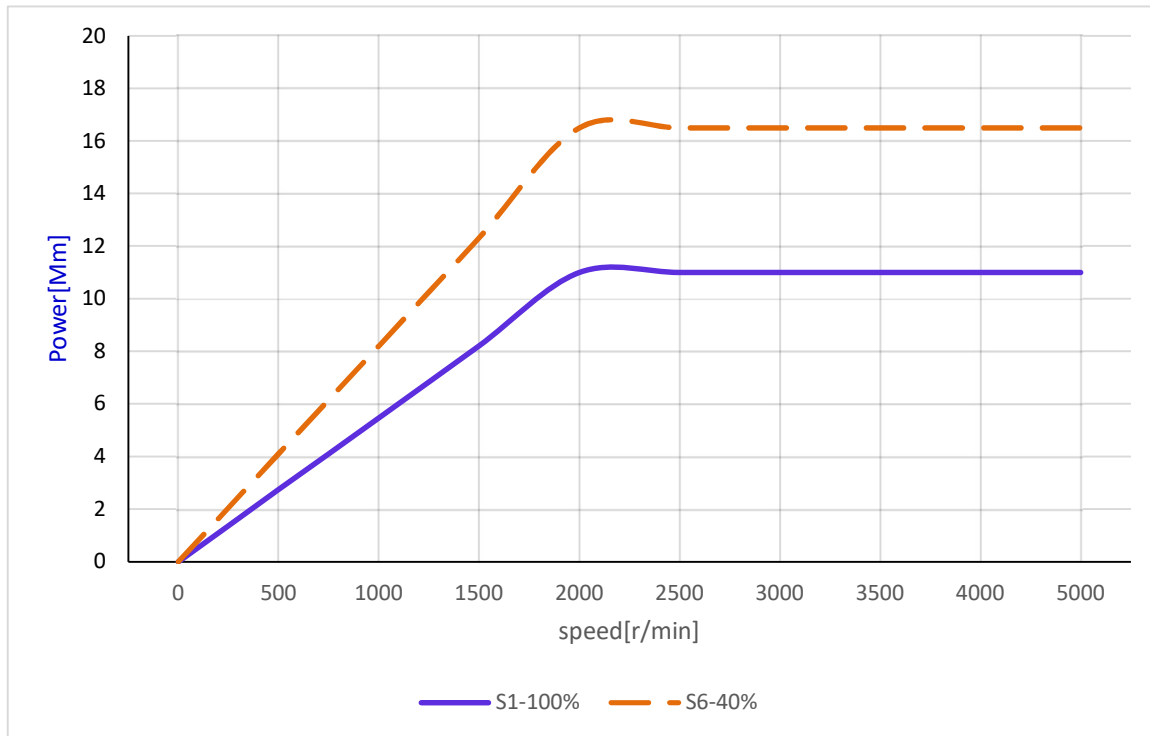
## Spindle Technical Specifications

<b>Spindle model</b>	DGZYC-17005/11-FWVCS	
<b>Items</b>	<b>Parameters</b>	<b>Note</b>
Motor Type	PMSM	
Poles	8	
Voltage	380	
Rated Power (S1-100%) (kW)	11	
Rated Torque (S1-100%) (Nm)	52.3	
Rated Current (S1-100%) (A)	22.5	
Rated Power (S6-40%) (kW)	16.5	ts=2 min
Rated Torque (S6-40%) (Nm)	78.5	ts=2 min
Rated Current (S6-40%) (A)	33.75	ts=2 min
Max. speed (rpm)	5000	
Rated speed (rpm)	2000	
Isolation Resistance (MΩ)	≥500	
Grounding Check(Ω)	≤1.0	
Nose Specifications	A2-5	
Temperature Rise	25°C	
Balance Level	G0.4	
Encoder Specification	SYNTEC S08-GSKMC-Y-162-S	
Installation Method	Horizontal	
NOSE Cone Radial Run-out (mm)	≤0.003	
NOSE End Run-out (mm)	≤0.003	
Standard Rod Run-out(300mm) (mm)	≤0.008	
Cylinder Flange End Face Run-out(mm)	≤0.01	
Cylinder Flange Inner Hole Run-out(mm)	≤0.01	
Bearing's Lubrication	Grease	
Axial Stiffness(N/μm)	≥700	
Radial Stiffness(N/μm)	≥400	
Vibration(mm/s)	≤0.8	
Spindle Coolant Medium	Water	
Coolant Flow(L/min)	3(25°C)	
Thermistor in motor coil	KTY84-130, NTC	
Packing box size(mm)	736x336x441	
Weight(Kg)	70.84	

## Power and Torque Diagram

Model: DGZYC-17005/11-FWVCS

Power Diagram (Cycle time:2 min)



Torque Diagram (Cycle time:2 min)

