

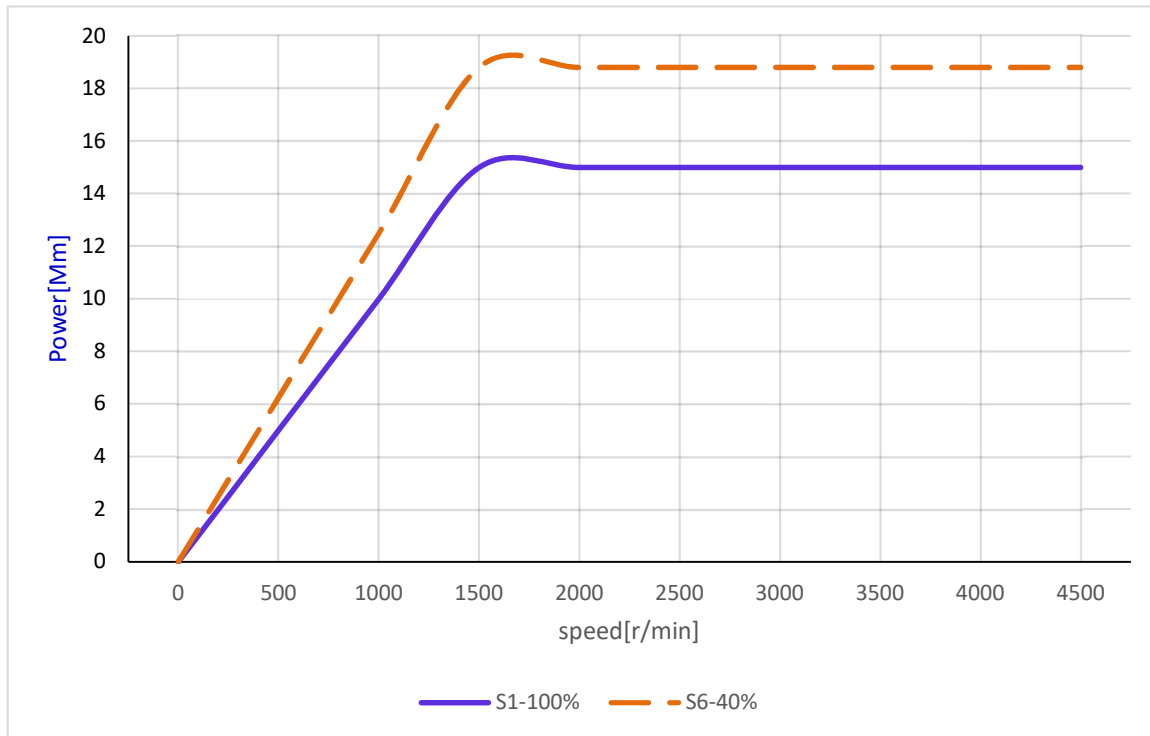
Spindle Technical Specifications

Spindle model	DGZYC-20045/15-FWVCS	
Items	Parameters	Note
Motor Type	PMSM	
Poles	10	
Voltage	380	
Rated Power (S1-100%) (kW)	15	
Rated Torque (S1-100%) (Nm)	95.5	
Rated Current (S1-100%) (A)	28	
Rated Power (S6-40%) (kW)	18.8	ts=2 min
Rated Torque (S6-40%) (Nm)	119.7	ts=2 min
Rated Current (S6-40%) (A)	36	ts=2 min
Max. speed (rpm)	4500	
Rated speed (rpm)	1500	
Isolation Resistance (MΩ)	≥500	
Grounding Check(Ω)	≤1.0	
Nose Specifications	A2-6	
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)	≥800	
Radial Stiffness(N/μm)	≥600	
Vibration(mm/s)	≤0.8	
Spindle Coolant Medium	Water	
Coolant Flow(L/min)	4.1(25°C)	
Thermistor in motor coil	KTY84-130	
Packing box size(mm)	736x386x467	
Weight(Kg)	103.52	

Power and Torque Diagram

Model: DGZYC-20045/15-FWVCS

Power Diagram (Cycle time:2 min)



Torque Diagram (Cycle time:2 min)

