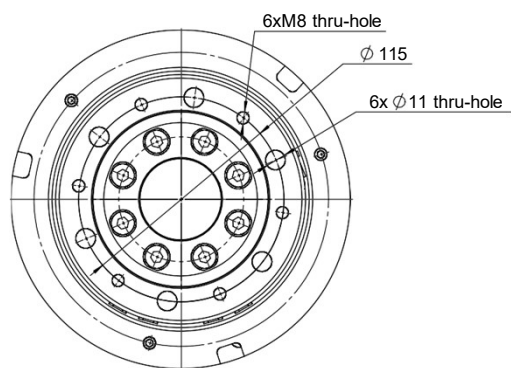
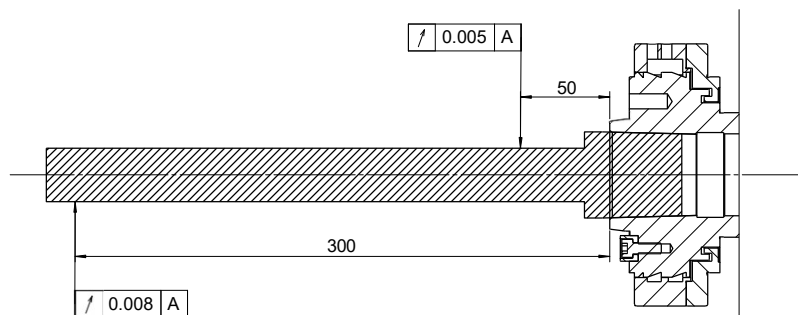
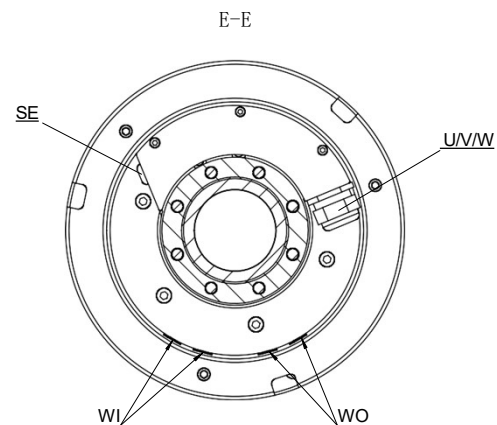


View A



E-E



U/V/W	Power Cable	M20-4PIN Power connector
WO	Coolant Outlet	For Ø4 Hose, Hole:PT1/8
WI	Coolant Inlet	For Ø4 Hose, Hole:PT1/8
SE	Encoder+Thermistors	Hole Ø5

**INFRANOR**

DGZYC-15006 / 5.5-FWVCS | GZC47-000-DY-01

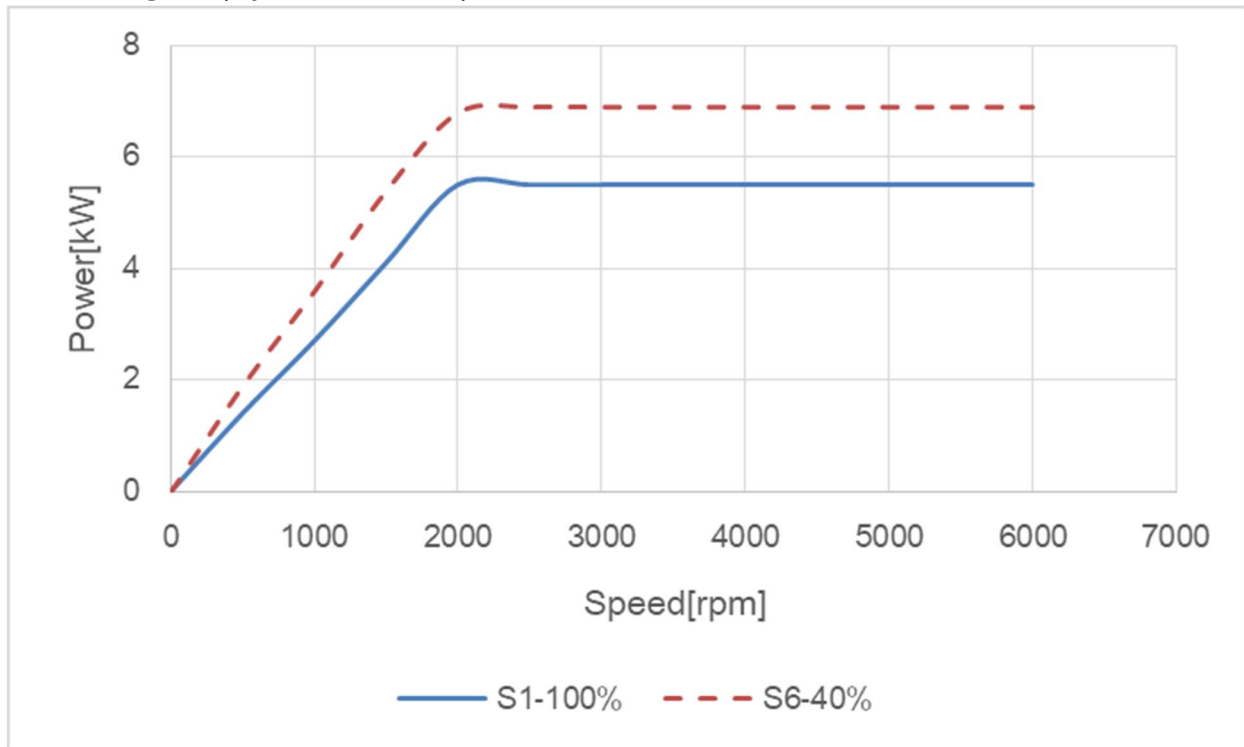
## Spindle Technical Specifications

<b>Spindle model</b>	DGZC-15006 / 5.5-FWVCS	
<b>Items</b>	<b>Parameters</b>	<b>Note</b>
Motor Type	PMSM	
Poles	8	
Voltage	380	
Rated Power (S1-100%) (kW)	5.5	
Rated Torque (S1-100%) (Nm)	26.26	
Rated Current (S1-100%) (A)	18	
Rated Power (S6-40%) (kW)	6.9	ts=2 min
Rated Torque (S6-40%) (Nm)	33	ts=2 min
Rated Current (S6-40%) (A)	23.4	ts=2 min
Max. speed (rpm)	6,000	
Rated speed (rpm)	2000	
Isolation Resistance (MΩ)	≥500	
Grounding Check(Ω)	≤1.0	
NOSE specification	A2-4	
Temperature rise	15°C	
Balance Level	G0.4	
Encoder Specification	SYNTEC S08-GSKMCY-R-124	
Installation Method	Horizontal	
NOSE Cone Radial Run-out(mm)	≤0.003	
NOSE End Run-out(mm)	≤0.003	
Cylinder Flange End Face Run-out(mm)	≤0.01	
Cylinder Flange internal hole Run-out(mm)	≤0.01	
Testing Stick Radial Run-out(300mm)	≤0.008	
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)	3-4(25°C)	
Thermistor in motor coil	KTY84-130	
Packing box specification	590*370*290mm	
Weight(KG)	47.8+10.5(Packing box)	

## Power and Torque Diagram

Model: DGZC-15006 / 5.5-FWVCS

Power Diagram (Cycle time:2 min)



Torque Diagram (Cycle time:2 min)

