

Spindle Technical Specifications

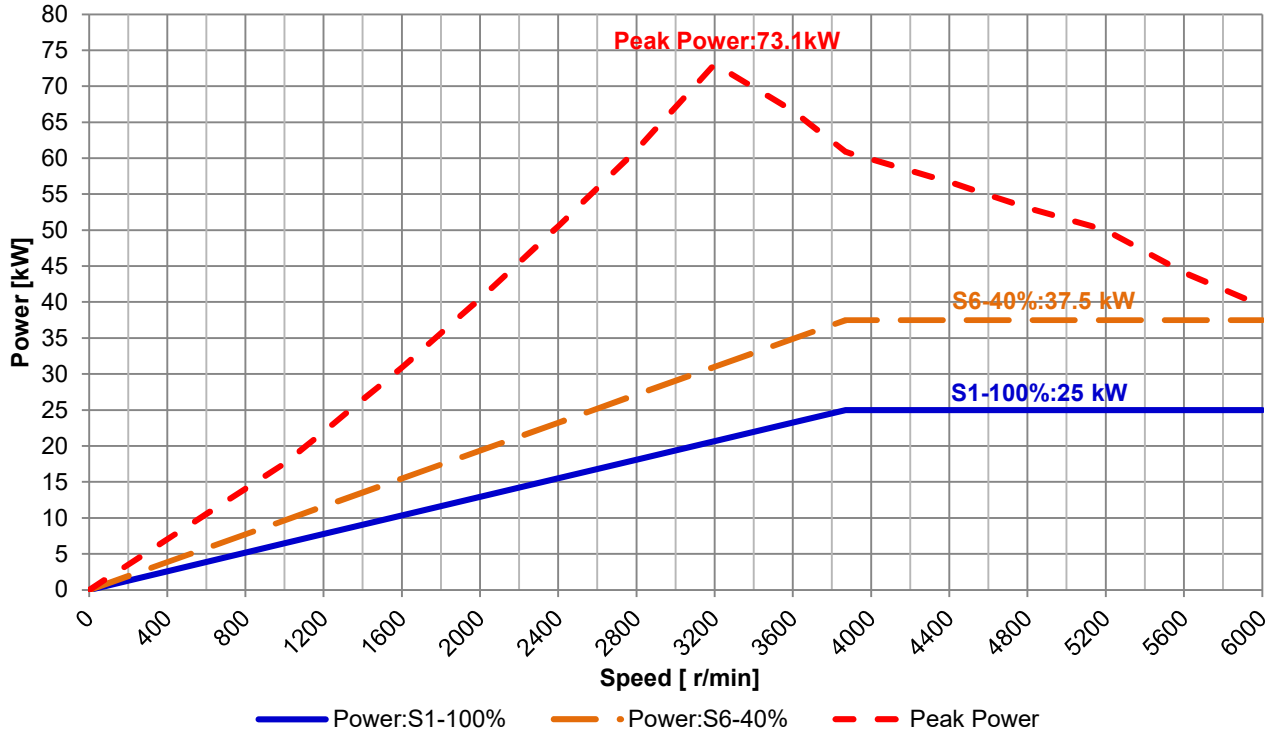
Spindle model	DGZM-18006 / 25-FWS	
Items	Parameters	Note
Motor Type	Asynchronous	
Poles	4	
Voltage (V)	380	
Rated Power (S1-100%) (kW)	25	
Rated Torque (S1-100%) (Nm)	61.7	
Rated Current (S1-100%) (A)	50	
Rated Power (S6-40%) (kW)	37.5	ts=2 min
Rated Torque (S6-40%) (Nm)	92.6	ts=2 min
Rated Current (S6-40%) (A)	75	ts=2 min
Max. speed (rpm)	6000	
Rated speed (rpm)	3867	
Isolation Resistance (M Ω)	≥ 500	
Grounding Check (Ω)	≤ 1.5	
Out cone taper	1:6	
Out Cone Radial Run-out (mm)	≤ 0.002	
Bearing's lubrication type	Grease	
Axial stiffness (N/ μm)	≥ 200	
Radial stiffness (N/ μm)	≥ 200	
Vibration (mm/s)	≤ 0.8	
Spindle Coolant Medium	Water	
Cooling Power Demand (kW)	2.5	
Coolant Flow (L/min)	6-8	

Air Sealing (MPa)	0.2	
Motor temperature sensor	PTC	
Installation direction	Horizontal	
N.W (kg)	94	
G.W (kg)	108	
Package size (mm)	890×390×470	

Power and Torque Diagram

Model: DGZM-18006 / 25-FWS

Power Diagram (Cycle time:2 min)



Torque Diagram (Cycle time:2 min)

