

WA IN	Cooling water inlet	Pipe fitting $\varnothing 8$, Hole: G1/8
WA OUT	Cooling water outlet	Pipe fitting $\varnothing 8$, Hole: G1/8
AS	Sealing air	Pipe fitting $\varnothing 6$, Hole: G1/8
EC	Power cable	1-3/8-18UNEF-4pins male connector, Cable length: 5m
SE	Thermistors in coil	M23-12pins male connector, Cable length: 5m
T	Eyebolt hole	2-M8 ∇ 16
N.W		60kg
G.W		82kg
MEAS		890x340x440mm
INFRANOR		DGZM-1604/6.0-FWS
		GZM46-000-DY

Spindle Technical Specifications

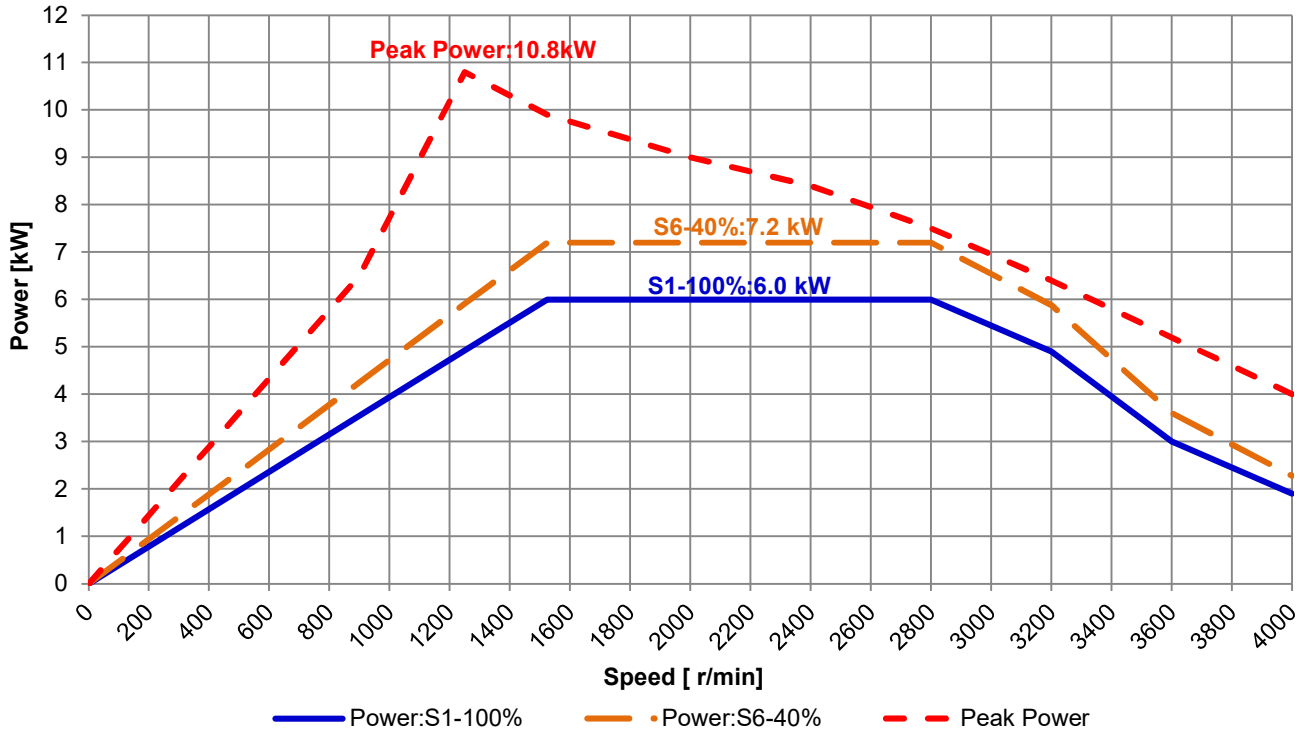
Spindle model	DGZM-1604 / 6.0-FWS		
Items	Parameters	Note	
Motor Type	Asynchronous		
Poles	4		
Voltage (V)	380		
Rated Power (S1-100%) (kW)	6.0		
Rated Torque (S1-100%) (Nm)	37.6		
Rated Current (S1-100%) (A)	12.5		
Rated Power (S6-40%) (kW)	7.2	ts=2 min	
Rated Torque (S6-40%) (Nm)	45.1	ts=2 min	
Rated Current (S6-40%) (A)	15	ts=2 min	
Max. speed (rpm)	4000		
Rated speed (rpm)	1524		
Isolation Resistance (MΩ)	≥500		
Grounding Check (Ω)	≤1.5		
Out cone taper	9°53'40"		
Out Cone Radial Run-out (mm)	≤0.002		
Bearing's lubrication type	Grease		
Axial stiffness (N/μm)	≥140		
radial stiffness (N/μm)	≥200		
Vibration (mm/s)	≤0.6		
Spindle Coolant Medium	Water		
Cooling Power Demand (kW)	1.5		

Coolant Flow (L/min)	3-5	
Air Sealing (MPa)	0.2	
Motor Temperature sensor	KTY and PTC	
Installation direction	Horizontal	
N.W (kg)	60	
G.W (kg)	82	
Package Size (mm)	890×340×440	

Power and Torque Diagram

Model: DGZM-1604 / 6.0-FWS

Power Diagram (Cycle time:2 min)



Torque Diagram (Cycle time:2 min)

