

LRET	Oil-air outlet joint	Pipe fitting $\phi 8$, Hole: G1/8
LR1/LR2	Oil-air inlet of rear bearing	Pipe fitting $\phi 4$, Hole: M5
LF1/LF2	Oil-air inlet of front bearing	Pipe fitting $\phi 4$, Hole: M5
WA IN	Cooling water inlet	Pipe fitting $\phi 10$, Hole: G1/4
WA OUT	Cooling water outlet	Pipe fitting $\phi 10$, Hole: G1/4
AS	Sealing air	Pipe fitting $\phi 6$, Hole: G1/8
EC	Power cable and Thermistors in coil	Cable length: 1m
N.W		23.5kg
G.W		28.5kg
MEAS		550x250x250mm
INFRANOR		DGZM-12042/15A-DWQS GZM98(3)-000-DY

Spindle Technical Specifications

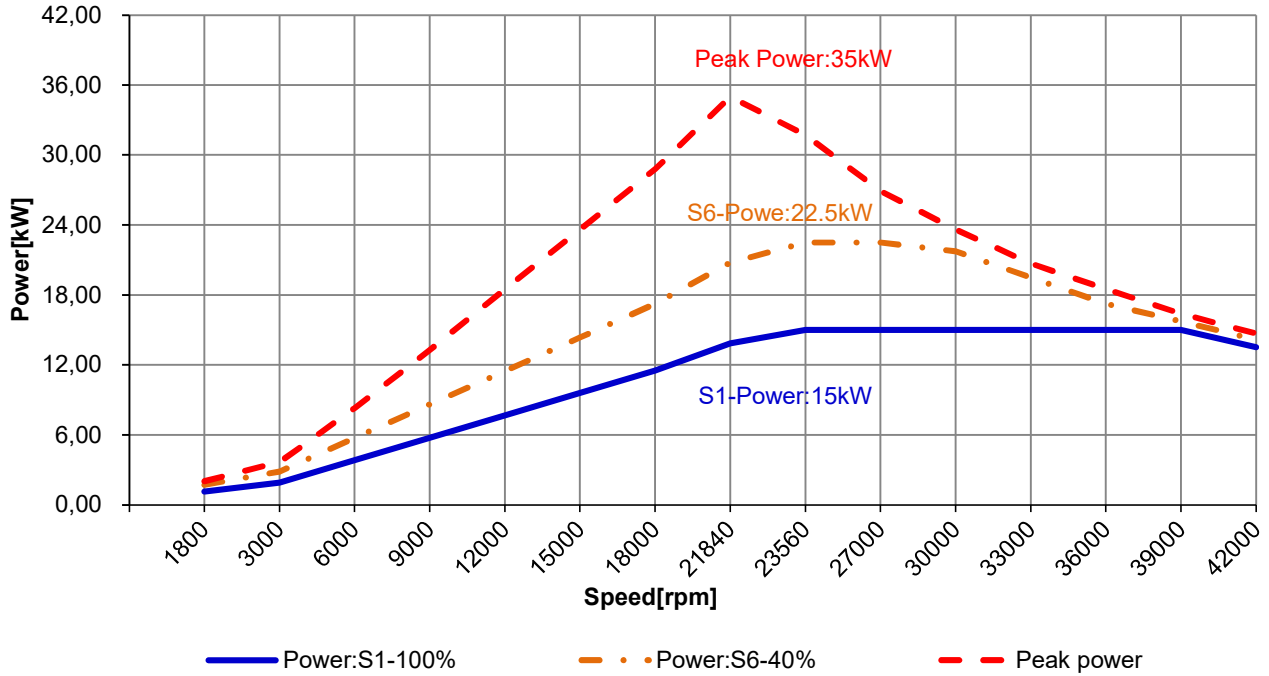
Spindle model	DGZM-12042/15A-DWQS	
Items	Parameters	Note
Motor Type	Asynchronous	
Poles	4	
Voltage (V)	380	
Rated Power (S1-100%) (kW)	15	
Rated Torque (S1-100%) (Nm)	6.1	
Rated Current (S1-100%) (A)	30.8	
Rated Power (S6-40%) (kW)	22.5	ts=2 min
Rated Torque (S6-40%) (Nm)	9.2	ts=2 min
Rated Current (S6-40%) (A)	46.2	ts=2 min
Max. speed (rpm)	42000	
Rated speed (rpm)	24000	
Isolation Resistance (MΩ)	≥500	
Grounding Check (Ω)	≤1.5	
Tool interface	Straight hole and screw thread Φ23-M22×1.5	
Cone Radial Run-out (mm)	≤0.001	
Axial Run-out(mm)	≤0.001	
Testing bar radial run-out (100mm) (mm)	≤0.005	
Bearing's lubrication	Oil-air lubrication	
Axial stiffness (N/μm)	≥120	
Radial stiffness (N/μm)	≥100	
Vibration (mm/s)	≤1.0	
Spindle Coolant Medium	Water	

Cooling Power Demand (kW)	3.0	
Coolant Flow (L/min)	4-6	
Air Sealing (MPa)	0.15	
Motor temperature sensor	KTY and PTC	
Installation direction	Horizontal	
N.W (kg)	23.5	
G.W (kg)	28.5	
Package size (mm)	550×250×250	

Power and Torque Diagram

Model: DGZM-12042 / 15A-DWQS

Power Diagram (Cycle time:2 min)



Torque Diagram (Cycle time:2 min)

