

**Descriptions:**

1. Max.speed : 8000rpm.
2. Rated power S1(100%);0.45kW Rated voltage:60V.
3. Rated torque S1(100%);0.1Nm.
4. The clamping area showed in the figure, screw locking force : 4-6Nm (M3 screws) .

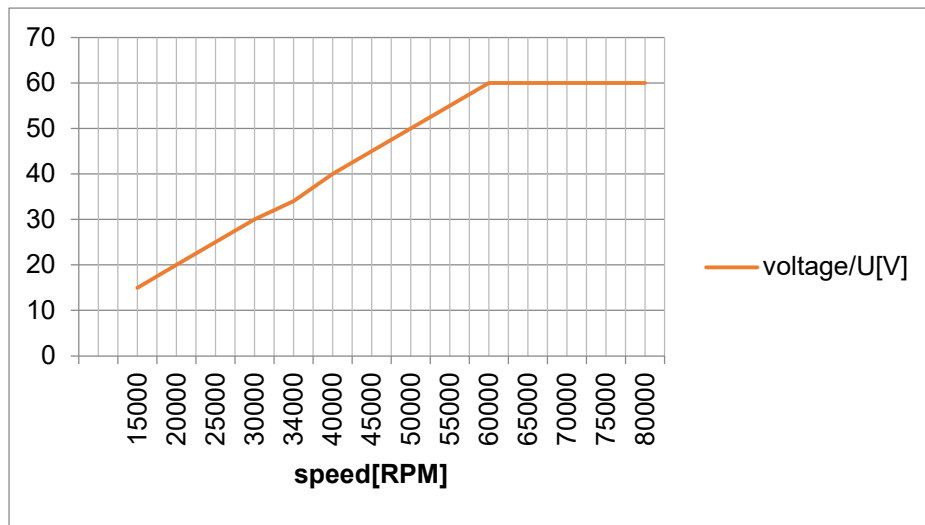
NO.	Connector Name	Type & Specification	Quantity	Function & Requirement
1	Tool Out /unclaming(TO)	Quick Connector, Connect with Ø6 pipe	1	Connected with 5.6-6 bar air to unclamp
2	Power Cable (EC) & temperature		1	Motor Cable(including U,V,W,ground lead),temperature sensor(KTY) Cable length: 0.8 meters.
3	Air Seal (AS)	Quick Connector, Connect with Ø6 pipe	1	Connected with 0.2-0.5 bar, should be logically turned on at the same time when machine tool turned on.
4	Exhaust air (EA)	Quick Connector, Connect with Ø6 pipe	1	Main shaft cutter exhaust connection it to be connected to the trachea to lead to a pollution-free area

### Spindle technical specifications

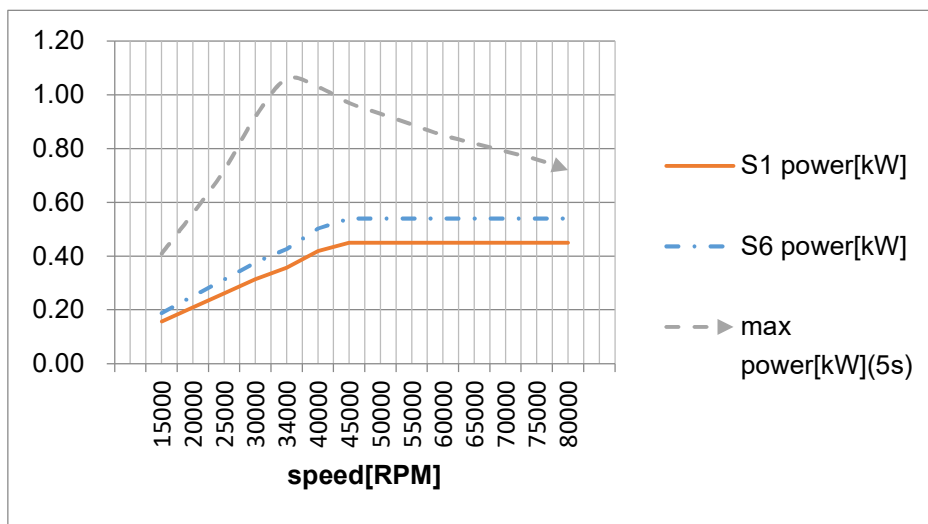
Spindle Model	DGZ-03380 / 0.54-PG		
Motor Type	Asynchronous	Collet Type	B049 draw-in collet standard $\Phi 3$ (Option $\Phi 4$ )
Max. Frequency (Hz)	1334	Max. Speed (rpm)	80000
Max. Voltage (V)	60	Max. Current (A)	15.8
Rated Power (S1-100%/ kW)	0.45	Rated Power (S6-40%/ kW)	0.54
Rated Torque (S1-100%/ N·m)	0.1	Rated Torque (S6-40%/ N·m)	0.12
Motor winding insulation resistance (M $\Omega$ )	$\geq 500$ (H 级)	Motor winding withstand voltage test (V/M)	500V/1min High-voltage Holding Test
Stator temperature sensor type	KTY	Tool-change	Pneumatic tool change
Motor Poles	2	Weight (Kg)	1.55
Serial number	Technical Specifications		
1	Unclamping pressure (Mpa)	0.56-0.60	
2	Chuck torque (N·cm)	$\geq 25.4$ ( $\Phi 3$ tool)	
3	Radial Run-out (mm)	$\leq 0.005$	
4	Vibration (mm/s)	$\leq 1.0$	
5	Noise (dB(A))	$\leq 85$	
6	Recommended Air Seal(L/min)	26(0.02-0.05MPa)	
7	Diameter(mm)	$\Phi 33h6$	

## Characteristic Curve of Motor

Voltage/Speed (U/n) Curve



Power/Speed (P/n) Curve



Torque/Speed (T/n) Curve

