

High-speed Small Ball Milling Spindle

DGZ-06260/2.5A4-PWM

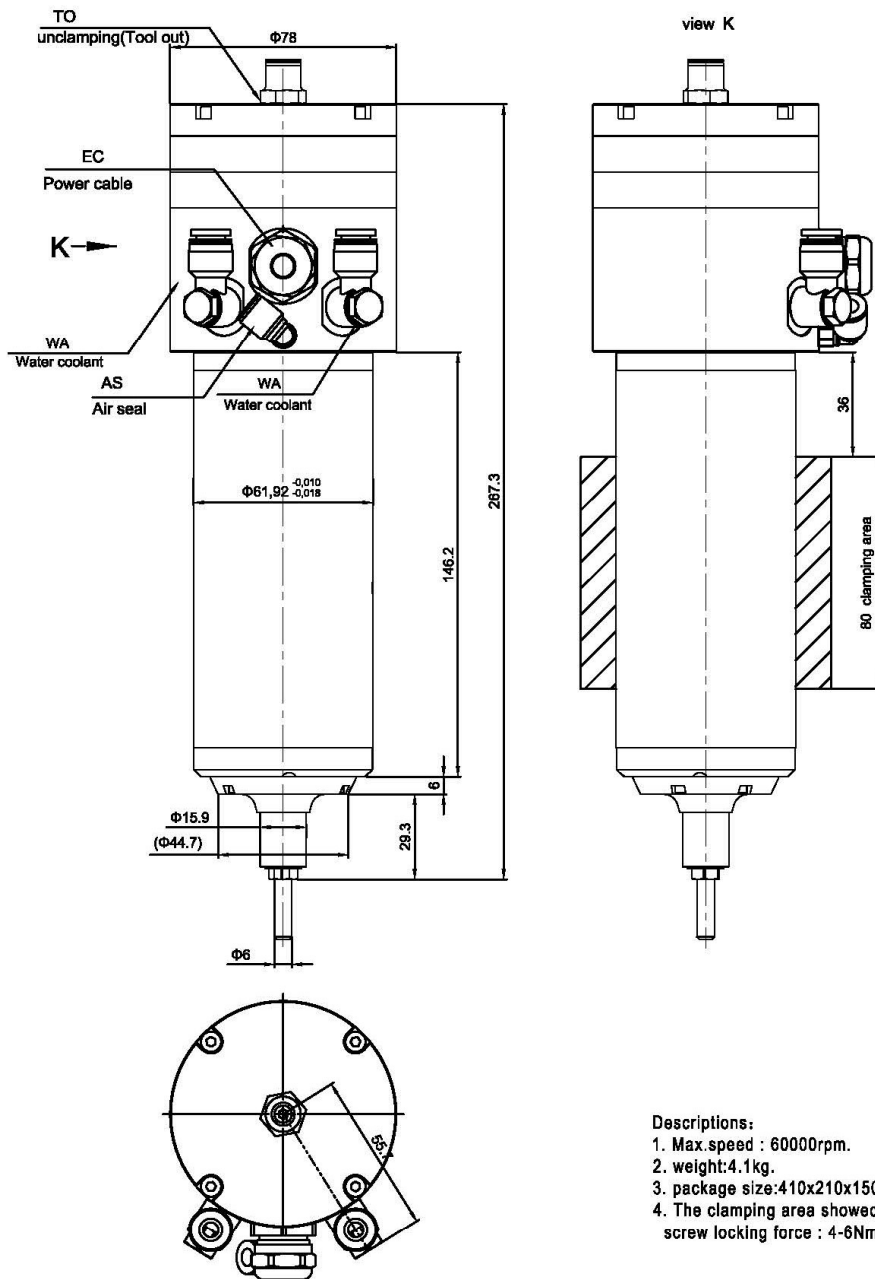
Specification



Appendix 2、Spindle Technical Specifications

Spindle Model	DGZ-06260/2.5A1-PWM		
Max. Frequency (Hz)	1000	Motor Type	Asynchronous
Motor Poles	2	Max. Speed (rpm)	60000
Max. Voltage (V)	220	S1 rated Current (A)	4.8
Rated Power (S1-100%/ kW)	1.5	Max Power (kW)	2.5
Rated Torque (S1-100%/ N·m)	0.24	Max Torque (N·m)	0.4
(MΩ) Motor winding insulation resistance	≥500(H 级)	(V/M) Motor winding withstand voltage test	1500V/1min High-voltage Holding Test
Stator temperature sensor type	KTY	Tool-change	Pneumatic tool change
Collet Type	B067 draw-in collet standard Φ6	Weight(kg)	4.1
NO.	(Technical Specifications)		
1	Unclamping pressure (Mpa)	0.56-0.60	
2	Chuck torque (N·cm)	≥400(Ø6pin)	
3	Radial Run-out (mm)	≤0.002	
4	Dynamic Run-out (mm)	≤0.008	
5	Vibration (mm/s)	≤0.8 mm/s (0~50000 rpm) ≤1.0 mm/s (50000~60000 rpm)	
6	Noise (dBA)	≤68	
7	Diameter(mm)	Φ61.902~Φ61.910	
8	Recommended Air Seal(L/min)	50~70 (air pressure: 0.25MPa)	
9	Coolant flow (L/min)	water: ≥1.6 (water pressure: 0.25 MPa) oil: ≥3.0 (oil pressure: 0.40 MPa)	

Appendix 3、Spindle Outline Drawing

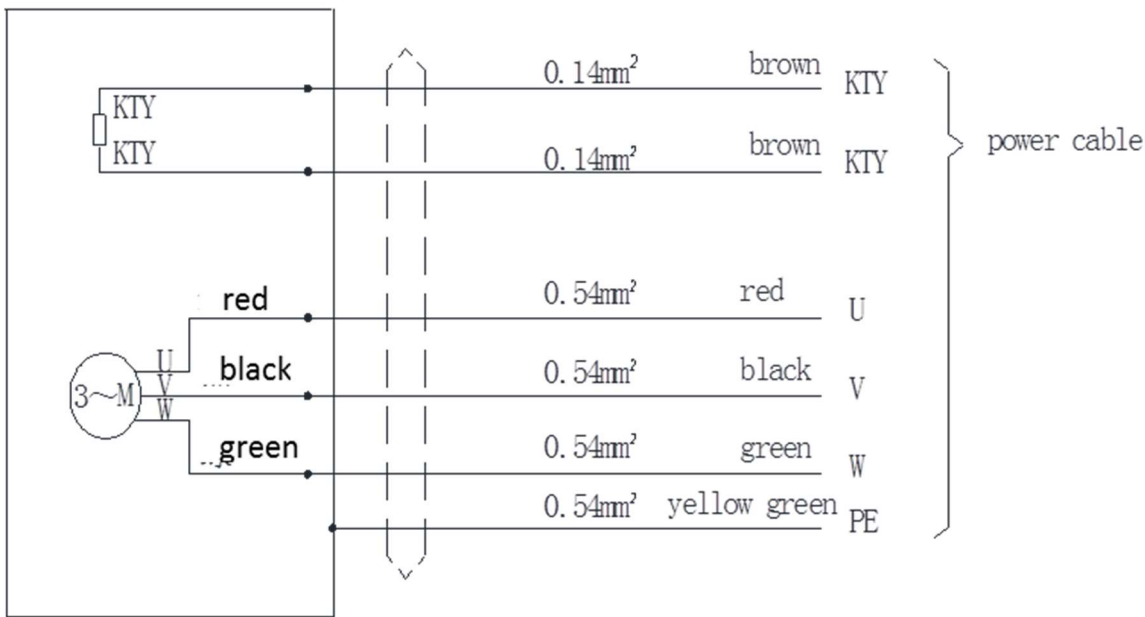


Descriptions:

1. Max.speed : 60000rpm.
2. weight:4.1kg.
3. package size:410x210x150mm.
4. The clamping area showed in the figure, screw locking force : 4-6Nm (M5 screws) .

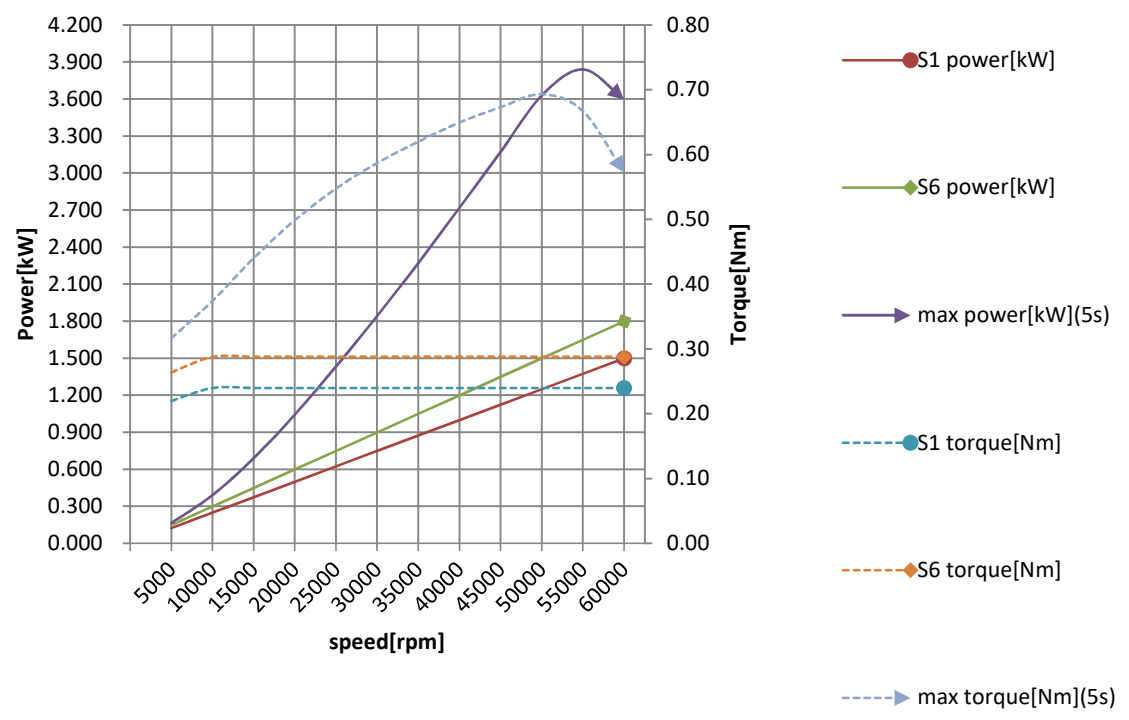
NO.	Connector Name	Type & Specification	Quantity	Function & Requirement
1	Tool Out /unclamping(TO)	Quick Connector, Connect with Φ8 pipe	1	Connected with 5.6-6 bar air to unclamp
2	Power Cable (EC) & temperature		1	Motor Cable(including U,V,W,ground lead),temperature sensor(PTC) Cable length: 0.8 meters.
3	Air Seal (AS)	Quick Connector, Connect with Φ8 pipe	1	Connected with 2.5 bar,should be logically turned on at the same time when machine tool turned on.
4	water coolant (WA)	Quick Connector, Connect with Φ8 pipe	2	Either one can be connected as coolant in and the other as out.water pressure 2.5 bar,flow≥1.6 L/min.WA should be connected before a continuous running.

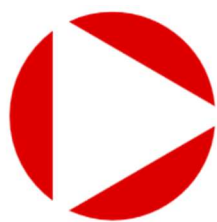
Appendix 4、Spindle Motor Wiring Diagram



Without connector

Appendix 5、Characteristic Curve of Motor





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