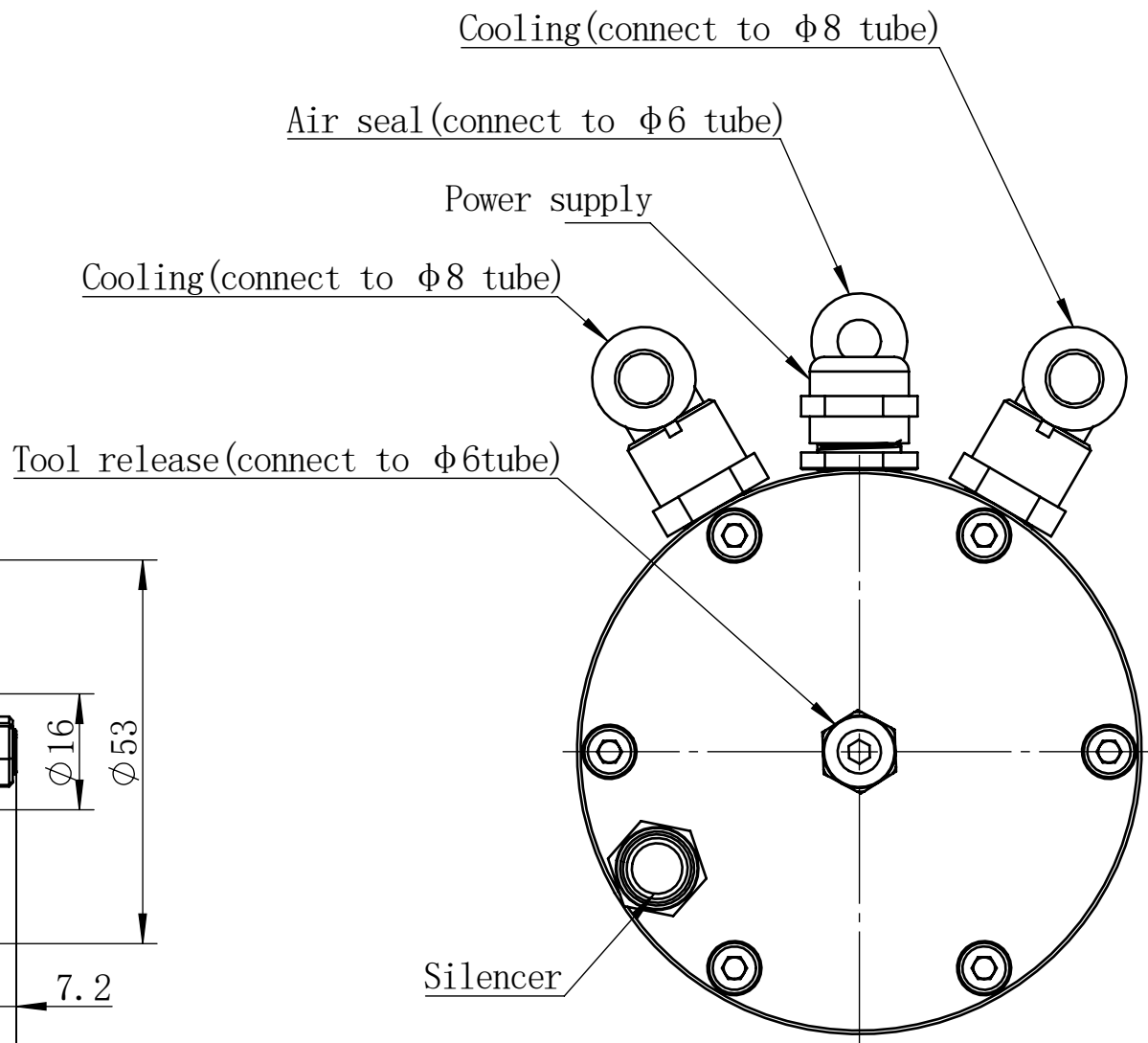
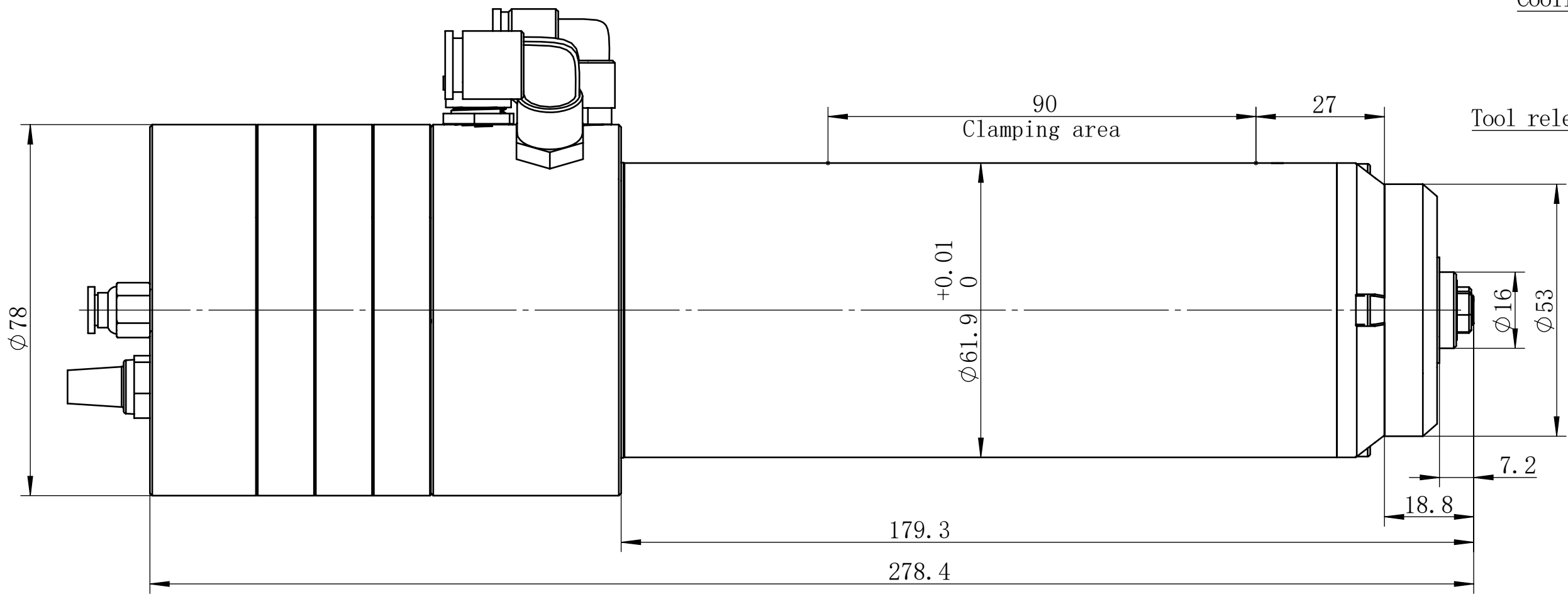
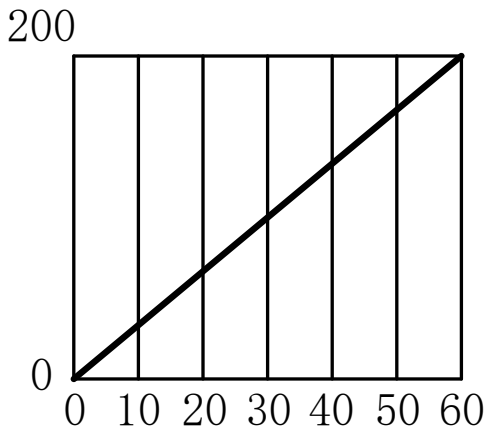


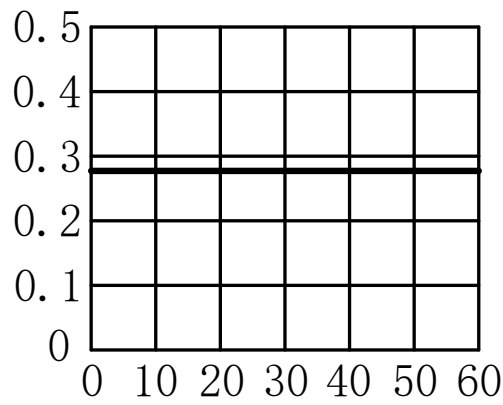


Spindle Configuration Sheet					Spindle Parameters	
Item		Content			Motor Type	Asynchronous
Outer Sleeve Cooling Method		Internal Water Circulation			Voltage (V)	200
Front Bearing Model/Specification/Precision		7003DT X2/P4级			Rated Current (A)	6.0
Rear Bearing Model/Specification/Precision		7003DT X2/P4级			Rated Torque (Nm)	0.29
Lubrication method of bearings		Grease lubrication			Motor Pole Number (P)	2
Taper Hole Runout μm		≤0.002			Rated Frequency (Hz)	1000
Gauge Bar Runout / Length: 4xD Gauge Bar		≤0.008			Maximum Frequency (Hz)	1000
Face Runout μm		≤0.002			Rated Power (KW)	1.8
Spindle Functions: Tool Release, Tool Unclamp Position, Tool Clamp Signal		/			Rated speed (rpm)	60000
Vibration Value		≤0.4mm/s			Maximum speed (rpm)	60000
Tool Clamping Blow-off (Return Air)		/			Power line	Motor Silver-Plated Wire:1mm²×3 Paired with Machine Tool Wire:1mm²×4
Central Blow-off (Dust Removal)		/				
Dust Prevention Blow-off (Air Seal)		Inlet Pressure Within 1-2 kg/cm²				
Coolant		Water or Oil				
Tool Unclamping Blow-off (Tool Knock-out)		/				
Frequency Converter		2.2KW/380V				
A Siemens system with a spindle frequency greater than 800Hz requires a high-frequency drive selection						
Noise Level db(A)		85				
Chiller Temperature / Pressure / Flow Rate		Recommended: Outlet Water Temperature: 28-30℃/0.5MPa/Flow Rate:(1min/10L)				
Standard Tool Holder		Straight Clamping				
Spindle Encoder		/				
Spindle Ring Coolant		/				
Through-Tool Coolant		/				
Axial Rigidity		40N/ μm				
Radial Rigidity		60N/ μm				
	Color	Function	Quantity	Terminal pin sequence number		
	Red	Phase U	1	1		
Power Cable	White/Black	Phase V	1	2		
4-pin male plug	Blue	Phase W	1	3		
	Yellow	Ground wire	1	4		

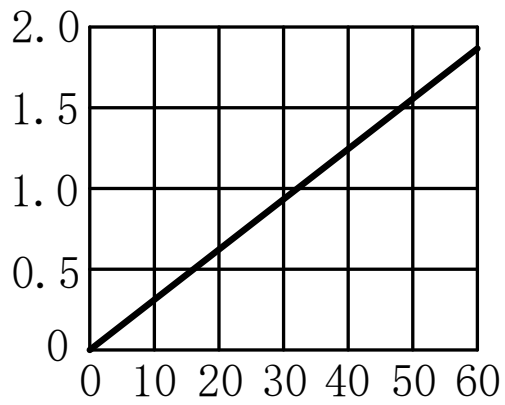
Voltage (V)



Torque (Nm)



Power (KW)



Remarks:

- Before installing and commissioning the spindle, please read the 《Spindle Operation Manual》 carefully.
- The power cable is 200mm long.

HQD Jiangsu HQD Spindle Motor Co., Ltd			
Name	High-Speed Electric Spindle		Scale
Number	GDL62-60Z/1.8		Date
Approved	Check		Design