



1. Power: Tricolor line connected to U, V, W/ yellow-green line connected to ground Temperature control line two-phase of 110 C thermistor connected to temperature protector
2. Water inlet; water pump lift requirement: 8m
3. Pressure of air seal: 0.1-0.2MPa (4/2 hose)
4. Quantity of proximity switches: two NPN for tool-loading and tool-unloading (normally open) N.O. Connection of proximity switch:

Brown line connected to +24VDC, and blue line connected to 0VDC  
Signal loading end connected to +24VDC/ the other end connected to black line

5. Pressure for tool changing and de-dusting shall be 0.2-0.3MPa (6/4 hose)
6. Water outlet (end 2 and end 6 connected to 8/6 hose)
7. Inlet pressure of cylinder: 0.65MPa (6/4 hose)

Type	120TTD18Z5.5A
Voltage	220V
Power	5.5kW
Current	20A
Frequency	600Hz
Rotate Speed	18000rpm
Number of Poles	4P
Number of Phases	3
Rotate Direction	J Counterclockwise rotation from the view of shaft end
Joint of Nose	BT30

Weight 30KG

**Special Caution:**

1. The electrical spindle must be mounted at its clamping position, otherwise it will cause the damage of bearings;
2. The tool changing must be done when the electrical spindle stopped completely; the manual tool changing button shall not be enabled when electrical spindle still rotating; otherwise, the electrical spindle may get stuck;
3. The compressed air needs to be clean and dry with filtering precision as 0.1 μm. The air seal is normally open.  
And it is suggested to apply two steps of filtering with filtering precision as 0.5 μm and 0.1 μm respectively. And the air filter shall be equipped with self-discharging device.

**Outline Drawing**