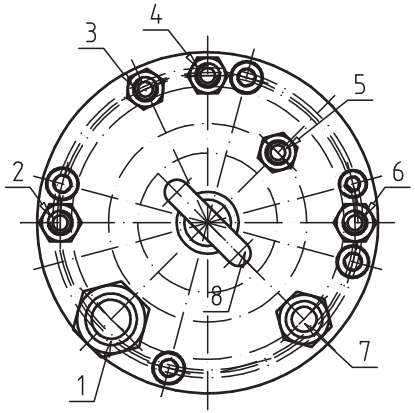

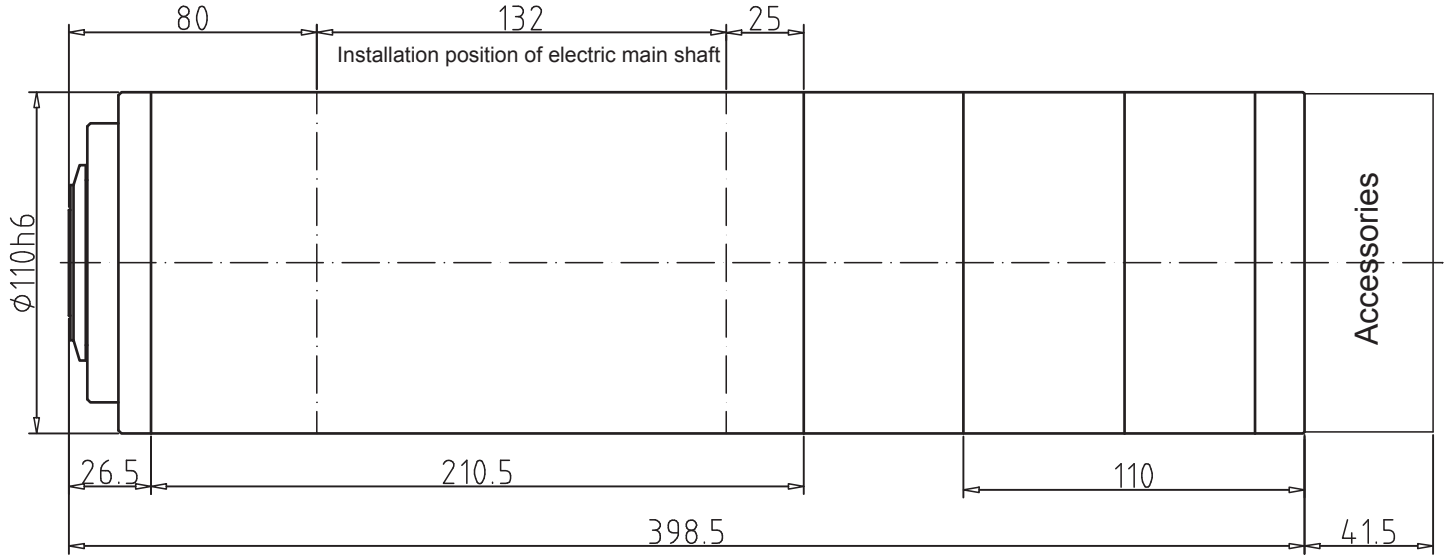

1: Power line Three-color lines connected with U, V and W phases/ yellow and green wires grounded
Temperature control line 110°C thermistor two-phase connected with the temperature-control protector
2: Cooling water yielding (2 and 6 ends terminated with 8/6 hoses)
3:Pole change and dust removal pressure 0.2Mpa (6/4 hoses)
4: Air seal pressure 0.1Mpa (6/4 hoses)
5:Tool discharge and air feed pressure 0.70 MPa (6/4 hoses)
6: Cooling influent Pump lift 12m (avoid wrong connection)
7: Quantity of proximity switches Pole hanging and pole discharge NPN (normally open) N.O.
Wiring method of the proximity switch Brown wire connected with +24VDC blue wire connected with 0VDC
Signal load end connected with +24VDC/the other end connected with the black wire
8: Handle of the lifting sling Installation and use

Model	GDL 110-30-24Z-4.5
Voltage	380 V
Power	4.5 kw
Current	9.20 A
Frequency	800 Hz
Rotating speed	24000 rpm
Pole number	4P
Phase number	3
Rotating direction	Rotate anticlockwise from the shaft extension end
Tool holder	BT30 (Parfaite is recommended)
Blind rivet	BT30-45° (Parfaite is recommended)
Weight	23 KG

PTC three-core thermistor parameter	
DC power supply	Maximum DC25V/100mA
-20~25℃	≤300Ω
≤90℃	≤750Ω
105℃	≤1650Ω
110℃	Rated operating temperature
115℃	≥3990Ω
≥125℃	≥12KΩ
≤160℃	Maximum storage temperature

Special warning:
1. The electric main shaft shall be installed at the clamped position; otherwise the bearing will be easily damaged!
2. The main shaft shall entirely stop before the tool changing. The manual tool changing button shall not act during the rotation of the shaft; otherwise it will easily result in the seizure of the shaft!
3. The compressed air shall be clean and dry, and the filter accuracy shall be 0.1micron! Air seal is normally open. It is recommended to use the two-level filter, and the filter accuracy is 0.5 micron/ 0.1 micron respectively. The air filter is installed with the self-discharge device.
4. It is required to set the frequency converter strictly according to the frequency-voltage curve of the electric shaft.

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Outline diagram

GDL110-30-24Z/4.5