



- 1: Power line Three-color lines connected with U, V and W phases/ yellow and green wires grounded  
Temperature controlline 110°C thermistor two-phase connected with the temperature-control protector
- 2: Cooling water feed Pump lift 8m
- 3: Pole change and dust removal pressure 0.2-0.3Mpa (6/4 hoses)
- 4: 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
- 5: Air seal pressure 0.1-0.2Mpa (4/2 hoses)
- 6: Cooling water yielding (2 and 6 ends terminated with 8/6 hoses)
- 7: Air inlet pressure of the cylinder 0.65Mpa (6/4 hoses)

Model GDL80-20-24Z/1.5  
 Voltage 220 V  
 Power 1.5 kw  
 Current 5.8 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 IS020 (Parfaite is recommended)  
 Blind rivet IS020-15° (Parfaite is recommended)  
 Weight 8 KG

| PTC single-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.

|              |                  |        |                          |           |      |                        |        |       |
|--------------|------------------|--------|--------------------------|-----------|------|------------------------|--------|-------|
|              |                  |        |                          |           |      | <b>Outline diagram</b> |        |       |
|              |                  |        |                          |           |      |                        |        |       |
| Marks        | Number of places | Zoning | Modified document number | Signature | Date |                        |        |       |
| Designed by  |                  |        | Standardized by          |           |      | Phase mark             | Weight | Scale |
| Reviewed by  |                  |        |                          |           |      |                        |        |       |
| Processed by |                  |        | Approved by              |           |      | Total page(s)          | Page   |       |
|              |                  |        |                          |           |      | GDL80-20-24Z/1.5       |        |       |