

Model GDL125-30-24Z/7.5C

Voltage 380V

Power 7.5kw

Current 15.0

Frequency 84

Rotation 24000rpm

Number of poles 4

### Phase 3

Rotation Direction Counterclockwise viewed from the end of spindle extension

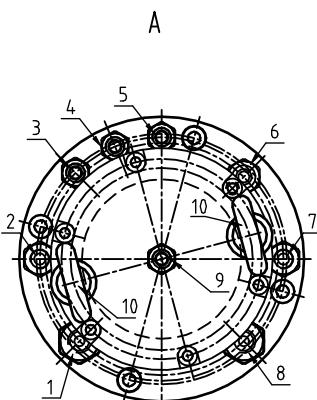
Tool Holder BT30(Parfaite recommended)

Pop-rivet BT30-45°(Parfaite recommended)

Weight 32KG

#### Special warning:

1. The spindle shall be mounted to the clamping position; otherwise it would damage the bearing!
2. It shall not change tools before complete stop of spindle. The manual tool-changing button shall be unavailable while spindle is rotating; otherwise it would cause the block of spindle!
3. The spindle can only be started after air return for air cylinder (piston reset), otherwise, it may cause the spindle stucked!
4. It shall ensure the dedusting air circuit is open to prevent dust or foreign materials from entering the spindle while changing tools!
5. The air seal shall be kept normally open!
6. The compressed air shall be clean and dry with filtering precision of  $0.1 \mu\text{m}$   
Air sealing shall be normally open. It is recommended to apply two levels of filtering with precisions of  $0.5 \mu\text{m}/0.1 \mu\text{m}$ , and the filter shall be equipped with automatic drainage.
7. During the operation, the frequency converter shall be set strictly according to the U-f curve of the spindle



1:Power line: Tricolor lines 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:Cooling water outlet: (End 2 and 7 are connected with 8/6 hose)

3:Air return: 0.4-0.7MPa (6/4 hose)

4:Tool changing and dust-removing: 0.3-0.4MPa(6/4 hose)

5:Air seal: 0.1-0.2MPa(6/4 hose)

6:Encoder: GS04T08MIS,A/B/Z 1024ppr/TTL  
square wave signal output

7:Cooling water inlet: delivery of water pump head 12m  
(Don't connect wrong!)

8:Quantity of proximity switches: Two PNP(normally  
open)N.O. for tool-mounting and tool-removing  
Connection of proximity switch Brown line connected  
to +24VDC ,and blue line connected to 0VDC

Connect the positive pole of signal load to black wire/negative pole  
to 0VDC

9:Air inlet while tool removing: 0.4-0.7MPa(6/4 hose)

10:Hanging ring: applied for mounting

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

The encoder wire is about 1m long, supplied in loose wire, and wired according to wire color.

						Universal cylinder with encoder			Jiangsu HQD Spindle Motor Co., Ltd.		
									Profile Drawing		
Marks	Number of places	Zoning	Modified document number	Signature	Date	Phase mark			Weight	Scale	
Designed by			Standardized by								
Reviewed by											
Processed by			Approved by			Total page(s)		Page			GDL125-30-24Z/7.5C-00-1