

Model: GDL125-30-24Z/7.5

Voltage: 220V

Power: 7.5kw

Current: 26.0A

Frequency: 800Hz

Rotational speed: 24000rpm

Number of Pole: 4P

Phase: 3

Rotation Direction: Counterclockwise viewed from the end of spindle extension

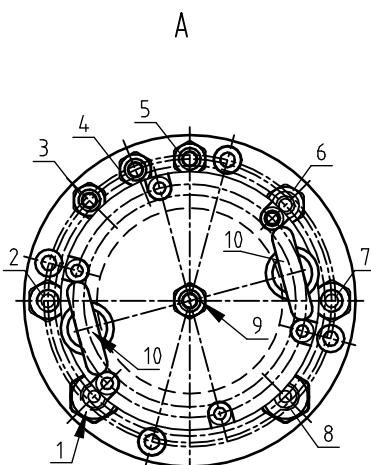
Tool Holder: BT30 (Parfaite recommended)

Pop-rivet: BT30-45° (Parfaite recommended)

Weight: 30KG

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: reserved interface (no encoder for this model)
7:Cooling water inlet: delivery of water pump head 12m
(Don't connect wrong!)
- 8:Quantity of proximity switches: Two NPN(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
Signal loading end connected to +24VDC/the other end
connected to black line
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	MaximumDC25V/100mA
-20~25°C	$\leq 300\Omega$
$\leq 90^\circ\text{C}$	$\leq 750\Omega$
105°C	$\leq 1650\Omega$
110°C	Rated function temperature
115°C	$\geq 3990\Omega$
$\geq 125^\circ\text{C}$	$\geq 12\text{K}\Omega$
$\leq 160^\circ\text{C}$	Maximum storage temperature

General cylinder						Jiangsu HQD Spindle Motor Co., Ltd.
阶段标记	重量	比例				
A						1:2
共 1 张	第 1 张					
设计		标准化				
审核						
工艺		批准				

Profile drawing

GDL125-30-24Z/7.5

备(通)用
件 壳 记

底座图总号

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