

Model: GDL120-30-24Z/6.5

Voltage: 380V

Power: 6.5kw

Current: 13.5A

Frequency: 800Hz

Rotational speed: 24000rpm

Number of Pole: 4P

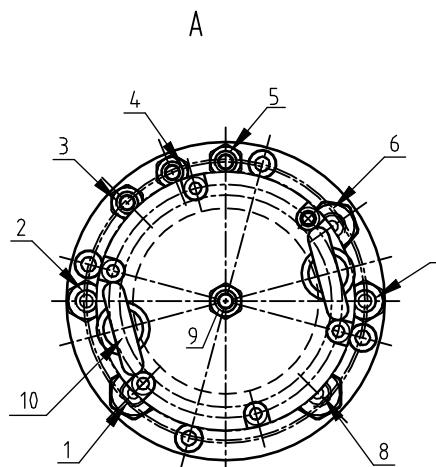
Phase: 3

Rotation Direction: Counterclockwise viewed from the end of spindle extension

Tool Holder: BT30 (Parfaite recommended)

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

Weight: 25KG



1:Power line: Tricolor lines connected to U,V, W/
yellow-green line connected to ground

Temperature control line: two-phase of 110℃ thermistor
connected to temperature protector

2:Cooling water outlet: {End 2 and 7 are connected with
8/6 hose}

3:Pressure for air return: 0.70MPa (6/4 hose)

4:Pressure for tool changing and de-dusting: 0.2-0.3MPa
(6/4 hose)

5:Pressure of air sealing: 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:Inlet air pressure for tool removing: 0.70MPa(6/4 hose)

10:Hanging ring: applied for mounting

Parameters of PTC three-core
thermistor

DC Power Supply MaximumDC25V/100mA

-20~25℃ $\leq 300\Omega$

$\leq 90^\circ\text{C}$ $\leq 750\Omega$

105℃ $\leq 1650\Omega$

110℃ Rated function temperature

115℃ $\geq 3990\Omega$

$\geq 125^\circ\text{C}$ $\geq 12\text{K}\Omega$

$\leq 160^\circ\text{C}$ Maximum storage
temperature

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 $0.1\text{ }\mu\text{m}$!

Air sealing shall be normally open.It is recommended to apply two levels of
filtering with precisions of $0.5\text{ }\mu\text{m}/0.1\text{ }\mu\text{m}$, 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

General cylinder						Jiangsu HQD Spindle Motor Co., Ltd.		
						阶段标记	重量	比例
标记	处数	分区	更改文件号	签名	年、月、日	S	1:2	GDL120-30-24Z/6.5
设计			标准化					
审核								
工艺			批准			共 1 张	第 1 张	

备(通)用
件 型 号

旧底图总号

底图总号

签 字

日 期

档案员 日 期