

Model: GDL120-30-18Z/5.5

Voltage: 220V

Power: 5.5kw

Current: 19.0A

Frequency: 600Hz

Rotational speed: 18000rpm

Number of Pole: 4P

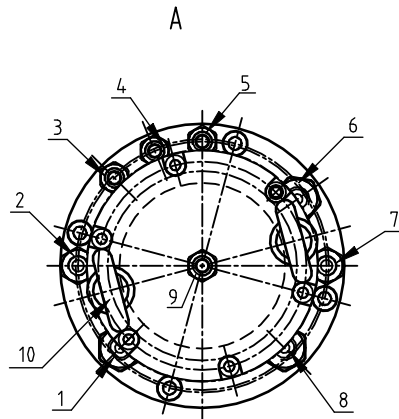
Phase: 3

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

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 μm!
- Air sealing shall be normally open.It is recommended to apply two levels of filtering with precisions of 0.5μm/0.1μm, 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

Parameters of PTC three-core thermistor		
DC Power Supply	MaximumDC25V/100mA	
-20~25℃	≤300Ω	
≤90℃	≤750Ω	
105℃	≤1650Ω	
110℃	Rated function temperature	
115℃	≥3990Ω	
≥125℃	≥12KΩ	
≤160℃	Maximum storage temperature	

						General cylinder			Jiangsu HQD Spindle Motor Co., Ltd.			
												Profile drawing
标记	处数	分区	更改文件号	签名	年、月、日							
设计			标准化			阶段标记	重量	比例	GDL120-30-18Z/5.5			
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审核						共 1 张 第 1 张						
工艺			批准									

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底图图号

参 考

日 期

制表员 日 期