



Pin definition of power lead wire avtation plug(SP29-4 core)

Pin number	Pin definition	Remarks
1	U-phase	
2	V-phase	
3	W-phase	
4	Grounding	

Pin definition of sensor lead wire avtation plug(SP29-7 core)

Pin number	Pin definition	Remarks
1	Thermistor	KTY84-130
2	Thermistor	
3	Thermocouple	PT100
4	Thermocouple	
5	NC	
6	NC	
7	NC	

Technical parameters of motor

Motor type: Permanent magnet synchronous

Rated power: 11kW

Rated Voltage: 380V

Rated Current: 20.4A

Rated Frequency: 300Hz

Rated Speed: 4500rpm

Maximum Frequency: 400Hz

Maximum rotating speed: 6000rpm

Number of poles: 8p

Rated Torque: 23.3N·m

Lubricating method: Grease lubrication

Cooling method: Air-cool

Cooling air source: $\phi 10$ pipe 0.4-0.6MPa

Air-sealing: $\phi 8$ pipe 0.1-0.2MPa

Weight: Approx 68kg

Shaft end connection: $\phi 80^{+0.02}_0$ /6-M8 Center distance 105

Rotation direction: Two-way

Precautions: 1. The compressed air shall be clean and dry with filtering precision of 0.1 μ m! Air sealing shall be normally open.

2. The dynamic balance level of the cutter head shall not be lower than G2.5.

借(通)用 件登记	
旧底图号	
底图号	
签字	
日期	
档案员	日期

					Polish the electric spindle		Jiangsu HQD Spindle Motor Co., Ltd.	
					阶段标记		Profile drawing (Air cooling)	
					重量		1:3.5	
					比例		GDM90-4.5-6Z/11-00-1	
					共 1 张 第 1 张			
标记	处数	分区	更改文件号	签名	年、月、日			
设计			标准化					
审核								
工艺			批准					