

Configuration of Permanent Magnet Electric Motor

5KW Brushless DC Motor


NO.	Parameters	Units	Amount	Remark
1	Rated Power	kW	5	
2	Peak Power	kW	10	Limiting the specific values of the section by the controller
3	Rated Voltage	V _{DC}	72	
4	Rated Current	A	80	
5	Rated Torque	Nm	17	
6	Overload Torque	Nm	50	Limiting the specific values of the section by the controller
7	Rated Speed	rpm	2800	
8	Max. Speed	rpm	3400	
9	Anti-Electromotive	V/rad · s ⁻¹	0.17	
10	Phase Current Average	A	106	
11	Working Type		1h	
12	Protection Grade		IP55	
13	Insulation Level		F	
14	Cooling Mode		AIR	
15	Frame		Y112-B35	
16	Weight	kg	25	
17	Appearance			



Practical requirements of motor output shaft can be customized

18	Size	mm	Φ184×L297 MM
CONTROLLER SPECS.		BSC15-72	
INPUT VOLTAGE RANGE		18-88V	COOLONG TYPE AIR
MAX OUTPUT CURRENT		300A	WORKING TEMPERATURE -20-60
			SIZE 200X146X62MM
KEEP TEMPERATURE		-30-80	WEIGHT 2.5 KG

PEDAL	
INPUT VOLTAGE	0.8--4.2V
CONTROL TYPE	POTENTIONMETER
INPUT VBOLTAGE	5v
Resister	10k



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