

## Configuration of Permanent Magnet Electric Motor

### 7.5kW Brushless DC Motor

NO.	Parameters	Units	Amount	Remark
1	Rated Power	kW	7.5	
2	Peak Power	kW	15	Limiting the specific values of the selection by the controller
3	Rated Voltage	V <sub>DC</sub>	96	
4	Rated Current	A	87	
5	Rated Torque	Nm	25.6	
6	Overload Torque	Nm	51.2	Limiting the specific values of the selection by the controller
7	Rated Speed	Rpm	2800	
8	Max. Speed	Rpm	3500	
9	Anti-Electromotive	V/rad • s <sup>-1</sup>	0.17	
10	Phase Current Average	A		
11	Working Type		1h	
12	Protection Grade		IP55	
13	Insulation Level		F	

14	Cooling Mode		AIR	
15	Frame		Y132-B35	
16	Weight	Kg	26	
17	Appearance			
				<p>Practical requirements of motor output shaft can be customized</p>
18	Size	Mm	Φ 184×L29 7 MM	
<b>CONTROLLER SPECS.</b>		BSC24-96		
INPUT VOLTAGE RANGE		48-96	COOLONG TYPE	AIR
MAX OUTPUT CURRENT		160A	WORKING TEMPERATURE	-20-60
KEEP TEMPERATURE		-30-80	WEIGHT	KG



<b>PEDAL</b>	
<b>INPUT VOLTAGE</b>	<b>0.8--4.2V</b>
<b>CONTROL TYPE</b>	<b>POTENTIONMETER</b>



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