


Configuration of Permanent Magnet Electric Motor

12kW Brushless DC Motor

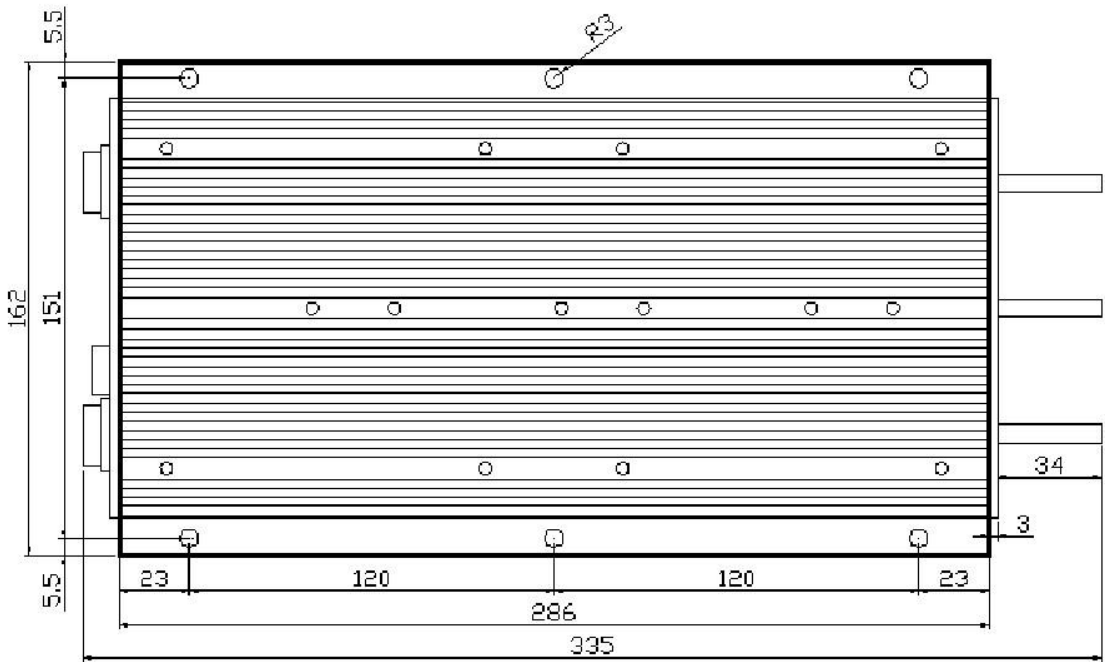
NO	Parameter	Units	Amount	Remark
1	Rated Power	kW	12	
2	Peak Power	kW	24	Limiting the specific values of the decision by the controller
3	Rated Voltage	V _{DC}	144	
4	Rated Current	A	92	
5	Rated Torque	Nm	35.8	
6	Overload Torque	Nm	80	Limiting the specific values of the decision by the controller
7	Rated Speed	rpm	3200	
8	Max. Speed	rpm	4100	
9	Anti-Electromotive	V/rad • s ⁻¹	0.28	
10	Phase Current Average	A	135	
11	Working Type		1h	
12	Protection Grade		IP55	
13	Insulation Level		F	

14	Cooling Mode			
15	Frame		H132-B35	
16	Weight	kg	32	
17	Appearance			
				<p>Practical requirements of motor output shaft can be customized</p>
18	Size	mm	$\Phi 248 \times 307$	
CONTROLLER SPECS.		BSC30-120		
INPUT VOLTAGE RANGE		24v---144v	COOLONG TYPE	NATURE
MAX OUTPUT CURRENT		400A	WORKING TEMPERATURE	-20-60
APPEARANCE AS FOLLOWING :				




KEEP TEMPERATURE -30-80

WEIGHT 5 KG



Height: 84 millimeters
Length: 286 millimeters

PEDAL	
INPUT VOLTAGE	0.8--4.2V
CONTROL TYPE	POTENTIONMETER



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