

Specification for Approval

1. Characteristics – FP-108ES-D 220V S1BW

- a. AC Plastic impeller
- b. 225x225x80mm / 8.86x8.86x3.15inch
- c. 610(50Hz)/692(60Hz) CFM



Motor

Motor Type:	Capacitor induction, inner rotor
Burnout Protection:	Thermally protected, auto cut-off, auto reset
IP Protection:	-

Mechanical

Frame:	Aluminum die cast, black coating treatment
Impeller:	5 blades, glass fiber reinforced plastic, rated UL94V-0
Bearing:	Two ball bearings
Rotation:	CCW seen on rotor, air direction exhaust over struts
Connection:	Wire Leads
Weight:	2400g (5.3Lbs)

Electronical

Dielectric Strength:	Over 1 min, at 1,500 VAC 50/60Hz
Insulation Resistance:	Over 100MΩ at DC 500V
Signal Output:	-

Environment

Operating Temp:	-20°C ~ +70 °C
Storage Temp:	-40°C ~ +100°C (at 65%RH)
Life Expectancy:	L10 80K hours at 35°C, 35K hours at 60°C

Approval



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2. Test Results Data

FP-108ES-D 220V S1BW			
1.	Rated Voltage	VAC	230
2.	Voltage Range	VAC	200~240
3.	Freq.	Hz	50/60
4.	Input Power	Watt.	60/70 (~90)
5.	Ref. Speed	RPM	2780/3150
6.	Max Airflow	CFM	610/692
		m3/min	17.3/19.6
7.	Max Static Pressure	Inch/H ₂ O	0.87/0.76
		mm	22.1/19.3
8.	Noise	db(A)	71
Note: Prown reserves the right to change data and improve electrical & mechanical design without notice, data tolerance $\pm 10\%$			

3. P-Q Curves

