

## MODEL: D F 2 A 1 2 SH(120x120x38.5mm)

### SPECIFICATION

勝特力材料 886-3-5753170  
勝特力电子(上海) 86-21-54151736  
勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

1)Rated Voltage	-----	AC230V
2)Operating Voltage	-----	230V±15%
3)Rated Current	-----	0.13/0.12A
4)Rated Input	-----	20/19W
5)Rated Frequency	-----	50/60Hz
6)Locked Current	-----	950A
7)Maximum Airflow	-----	2.69/3.28m <sup>3</sup> /min(95/115 CFM)
8)Maximum Air pressure	-----	8.13/9.4mm-H <sub>2</sub> O(0.32/0.37inch-H <sub>2</sub> O)
9)Rated Speed	-----	2700/3100RPM±10%
10)Operating Temperature	-----	-10°C~+65°C (65%RH)
11)Storage Temperature	-----	-30°C~+70°C (65%RH)
12)Acoustical Noise	-----	43/45dBA
13)Weight	-----	560gm

### (1)SCOPE

This specification defines the electrical and mechanical characteristics of the A.C axial flow fan, which is carefully designed and manufactured for your special needs by Dynaeon Industrial Co., ltd.

### (2)ELECTRICAL CHARACTERISTICS

1.Rated Voltage	-----	AC230V
2.Operating Voltage	-----	195.5/264.5 V
3.Air flow	-----	2.69/3.28m <sup>3</sup> /min(95/115CFM)
At rated voltage zero static pressure. (minimal value)		
4.Static Pressure	-----	8.13/9.4 mm- H <sub>2</sub> O(0.32/0.37inch- H <sub>2</sub> O)
At rated voltage ,zero air flow. (minimal value)		
5.Input Current	-----	0.13/0.12A(max)
6.Input power	-----	20/19W
7. Insulation Resistance	-----	10M ohm
Frame <----->Terminal		AT DC 500V
8.Dielectric Strength	-----	5mA max at AC
Frame <----->Terminal		1500v50HZ One min
9.Speed	-----	2700/3100RPM±10%
10. Life	-----	20,000Hrs
Continuous operating under normal temperature(25°C or 77°F)		
11.Rotation	-----	Clockwise air discharged

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12. Lead Wires ----- UL 1007 awg 24  
+:Black, -:Black,

13. Acoustical Noise ----- 43/45dBA

### (3) MECHANICAL CHARACTERISTICS

1. Dimension ----- Per Drawing
2. Impeller ----- Plastics UL94V-O
3. Frame ----- Aluminum
4. Bearing System ----- Sleeve Bearing
5. Weight ----- 560gm

### (4) ENVIRONMENTAL

1. Operating Temperature -----  $-10^{\circ}\text{C} \sim +65^{\circ}\text{C}$  (65%RH)
2. Storage Temperature -----  $-30^{\circ}\text{C} \sim +70^{\circ}\text{C}$  (65%RH)

#### 3. Vibration Test

Motor withstands 1000epm vibrating with 2mm amplitude for 30 minutes up and down, right and left, back and forth directions.

#### 4. Drop Test

Motor withstands one free body drop from 30cm in high onto 10mm thickness of wooden board for each of the three faces in minimum packaging condition.

#### 5. Acoustic Noise: 43/45dBA-Curve(max)

Free Air <-----> Fan <-----1M----->  (Microphone)

Measuring condition:

Under rated voltage in semi-snechoic chamber equipment sound level meter.