

Standards and Specifications of Model: FA2589B11T11C-31

A. General Specification

Item		Specification / Standard / Condition	
01	Outline Dimension	254 x 89 mm	
02	Bearing	Dual Ball Bearing	
03	Rated Voltage	AC 115 V (50/60Hz)	
04	Operating Voltage	AC 100 ~ 125 V (50/60Hz)	
05	Rated Current	0.8/1.0 A	1. Rated Voltage 2. 25°C, 65% RH
06	Power Consumption	87/110 W	
07	Rated Speed	2,600/2,800 R.P.M. ± 10%	1. Free Air 2. Rated Voltage 3. 25°C, 65% RH 4. After 10 Min. Rotating.
08	Maximum Airflow	803.4/875.5 CFM	1. Rated Voltage 2. AMCA Standard 3. Rated Speed
09	Maximum Static Pressure	21.6/17.5 mm-H ₂ O	
10	Noise Level	77.6/85.4 dB (A)	1. Rated Voltage 2. Measured in a Non-Echo Chamber 3. CNS 8753 Standard 4. ISO 3744 Test Condition
11	Life Expectancy	70,000 hrs at 40°C	1. L10 at Conf. Level 90%, 2. Rated Voltage
12	Net Weight	2150 Gram	
13	Number of Blade	3 Blades	
14	Rotating Direction	Counter-Clockwise	Looking at Rotor Side
15	Plastic Material: Blade, Housing, Bobbin	1. Housing: Die-Cast Aluminum, Painted Black 2. Blade: Thermoplastic UL 94V-0 P.B.T.	
16	Lead Wire	Terminal Lead	

B. Electrical Specification

Item		Specification / Condition
01	Motor Protection	Impedance Protected
02	Polarity Protection	Reverse connection at the rated voltage will not cause any damage
03	Insulation Resistance	100 MΩ / between unshielded wire and frame at 500 VDC/min.
04	Dielectric Strength	Between terminal and housing 1500 VAC for 1 second.

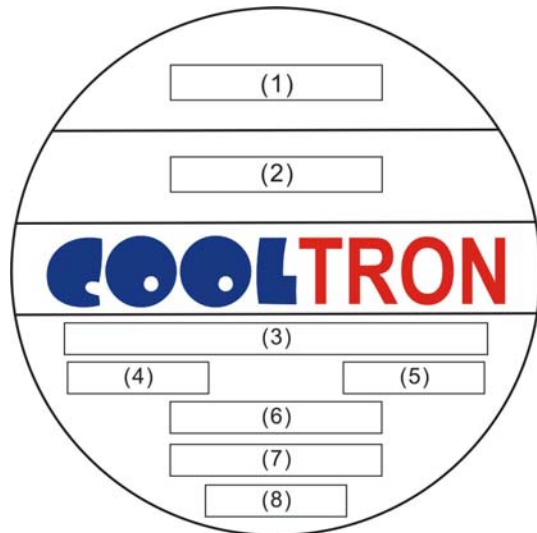
C. Environmental Specification

Item		Specification / Condition
01	Operating Condition	Temperature: -10°C ~ + 70°C Humidity: 35% ~ 85% RH
02	Storage Temperature	Temperature: -40°C ~ + 85°C Humidity: 35% ~ 85% RH
03	Packing Vibration Test	Packing condition: X, Y, Z 3 directions, 1.1G load vibration test for 30 min.
04	Packing Shock Proof Test	1 corner, 3 edges, 6 faces natural drop from 60cm high, packed

D. Safety Approvals

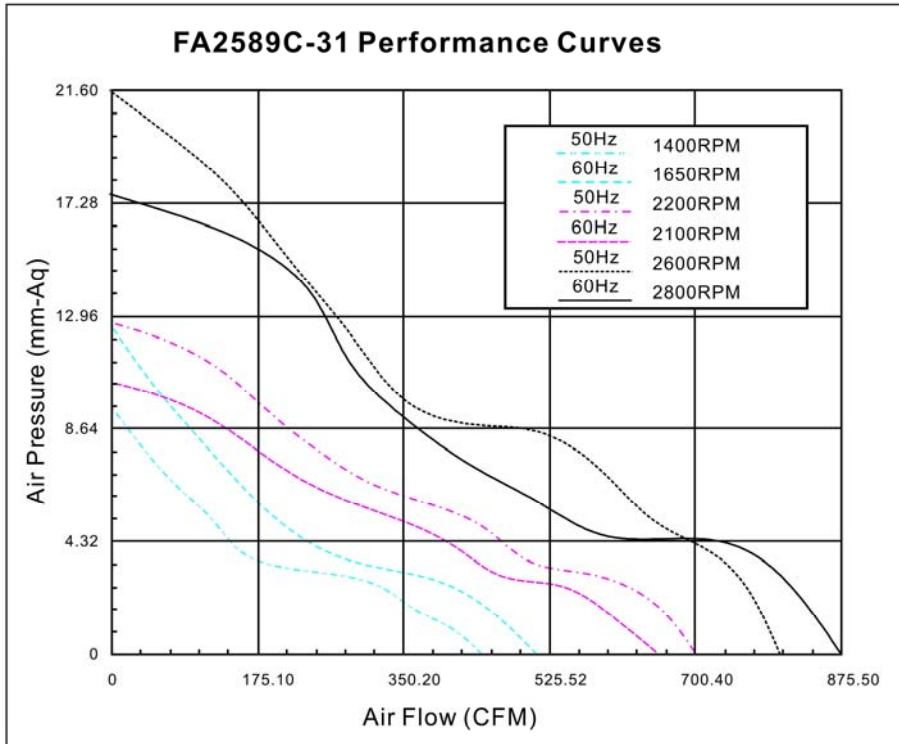
Safety Approval	File No.
UL	E194726
CUL	E194726
TUV	R50048194

E. Label Marking

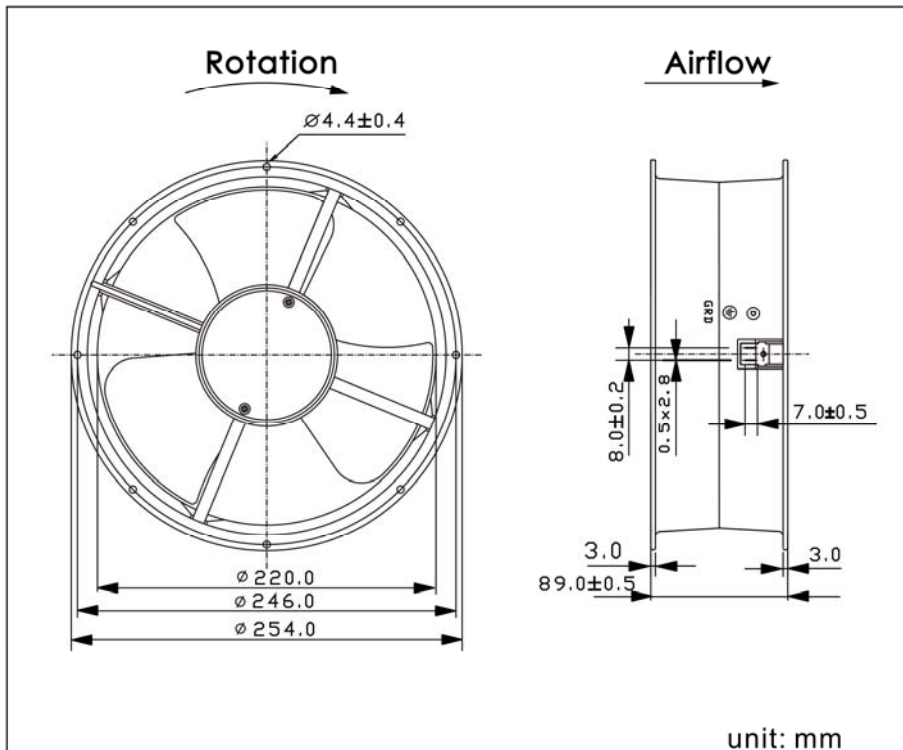


(1)	Safety Approval
(2)	Part Number
(3)	Model
(4)	Rated Voltage
(5)	Current / Power
(6)	Bearing Type
(7)	Motor Protection
(8)	Location

F. Air Flow Performance Curve



G. Model Drawing



H. Fan Photos

