

# Delta Environmental Proof Fan

In outdoor environment, spray of water, exposure to dust particles, unexpected corrosion and high humidity, all those will cause the electrical device work improperly.

Delta's environment proof fans are designed to use potting method to seal the PWB to isolate the outside environment. By passing the most common standards validation (IP and Bellcore), Delta's environment proof fan can withstand outdoor environment or similar condition.



# IP?

- What is IP?

International Protection Rating or Ingress Protection Rating

- What does IP do?

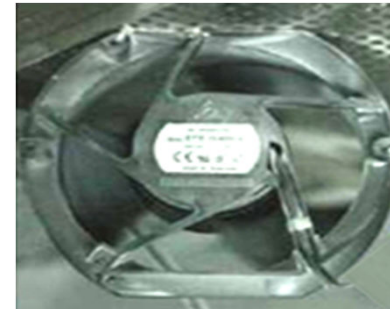
Coating protection against dust and water ( waterproof )

- IP consists of two digits – IPxx

1st digit: protection against foreign object.

2nd digit: protection against moisture.

Level	1 <sup>st</sup> digit Object size protected against	2 <sup>nd</sup> digit Protected against
0	—	Not protected
1	>50 mm	Dripping water
2	>12.5 mm	Dripping water when tilted up to 15°
3	>2.5 mm	Spraying water
4	>1 mm	Splashing water
5	Dust protected	Water jets
6	Dust tight	Powerful water jets
7		Immersion up to 1 m
8		Immersion beyond 1 m



# Salt Fog Test?

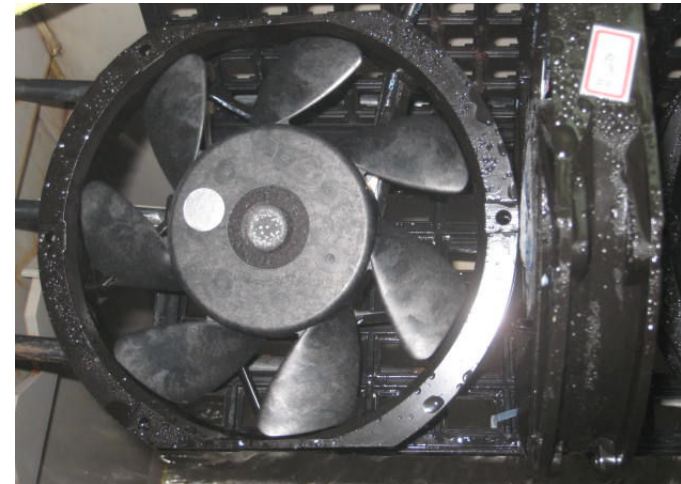
- What is Salt Fog Test?

Salt fog test is an accelerated corrosion test that produces a corrosive attack to the coated samples in order to predict its suitability in use as a protective finish.

- General Salt Fog Standards

Bellcore GR487

(Fan should operate under exposure to salt fog environment for consecutive 14 days)



# Delta Environmental Protection Fan

- PWB Potting Design

Moisture Protection

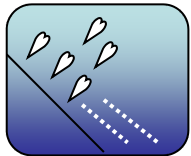
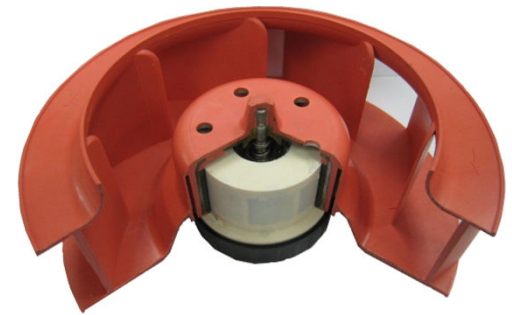
IP56 Protection

Salt Fog Corrosion Protection

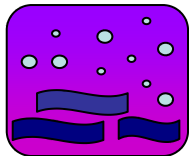


- Wild Range Fan Size

Provide 60mm~230mm fans



IP56 for Water Resistance followed IEC60529



Salt Fog Resistance followed Bellcore(GR487)

# Delta Environmental Protection Fan

- Application

Equipment in high moisture or salt spray condition, like:

Outdoor Heat Exchanger

Base Station

Roadside Cabinet

Telecom Cabinet

Industrial Cooling Equipment

