



SPECIFICATION

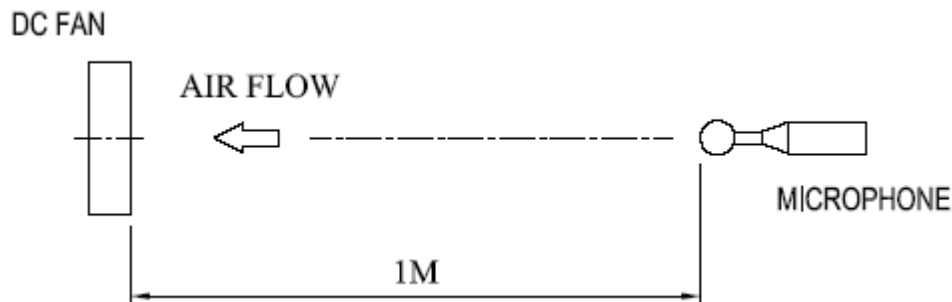
MODEL
K-DC25489-A24-33

1. Technical Data

Item	Specification/Condition
Dimension	Φ254x89.5mm
Rated Voltage	24 VDC
Input Current	5.50 A
Input Power	132.0 W
Speed	3300 RPM
Max.Air flow(At zero Static Pressure)	29.92 (26.93 Min) m ³ /h / 1056.8 (951.1 min) CFM
Max. air Pressure (at zero flow)	35.82 (29.01 Min) mm-H ₂ O / 4.44 (3.60 Mim) inch-H ₂ O
Acoustical noise	65.0 (68.0 Max) dB-A
Insulation resistance	10mega ohm min. at 500VDC (Between frame and(+)terminal)
Dielectric strength	5mA max. at 500 VAC 60Hz one minte (Between frame and(+)terminal)
Life expectance	L10 life expectation70 000 hours at 40° room, humidity 15% ~ 65%RH, operate at rated voltage
Rotation	Coumter-clock wise viewed from inlet
Air flow direction	Air exhaust over strut
Insulation Level	UL: Class A

NOTE:

- A THE VALUES WRITTEN IN PARENTHESIS,(), ARE LIMITED SPEC
- B. ACOUSTICAL NOISE MEASURING CONDITION:



NOISE IS MEASURED AT RATED VOLTAGE IN FREE AIR IN ACOUSTICAICHAMBER WITHLARSON DAVIS TYPE 824S SOUND LEVEL METER

- C. THE AIR FLOW AND AIR PRESSURE MEASURED AT RATED VOLTAGEIN DOUBLE CHAMBER IS MEASURED ACCORDING TO AMCA STANDARD 210-99

2. Mechanical

Item	Specification
Dimension	See dimation drawing
Frame	Diecast aluminu, painted black
Fan blade	thermoplastic black /PA66+25% GF of UL 94-V0
Bearing system	Two ball bearings
Weight	1600g

3.Environment

Item	Specification
Operating Temperature	-40°C~+70°C
Storage Temperature	-40°C~+75°C
Operating humidity	5~90%RH
Storage humidity	5~95%RH
Drop test	In minimum packaging condition fan withstand each one drop of three faces from 30cm distance height onto 10mm thickness of wooden board
Vibration test	Sinewave displacement amplitude:0.7bmm(equivalent 10g) Frequency range:10-55Hz/30sec 55-10Hz/30sec. linear scanning 120cycle Endurance time per axis:2 Hoursorientation:x,y,z
Shock test	Apply peak acceleration 50g and keep duration of the pulses for 1ms(half sinewave)
ROHS compliance	See ROHS stand
Fan dust&water-proof level	IP67

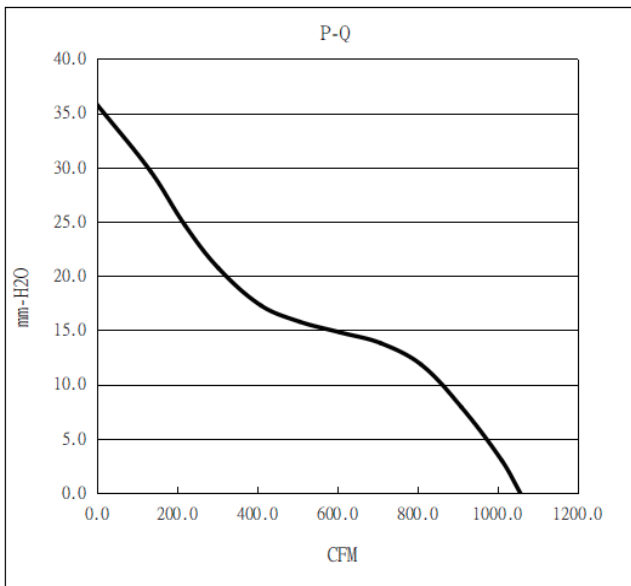
4.Protection

Locked rotor and auto-restart protection <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	when the rotor is fully fixed and locked, the device will cut off the drive current and the motor will shut down until the foreign object is removed, and then automatically restart within 15 seconds.
Polarity protection <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	be capable of withstanding if reverse connection for positive and negative leads

5.UI 60079-0/60079-7

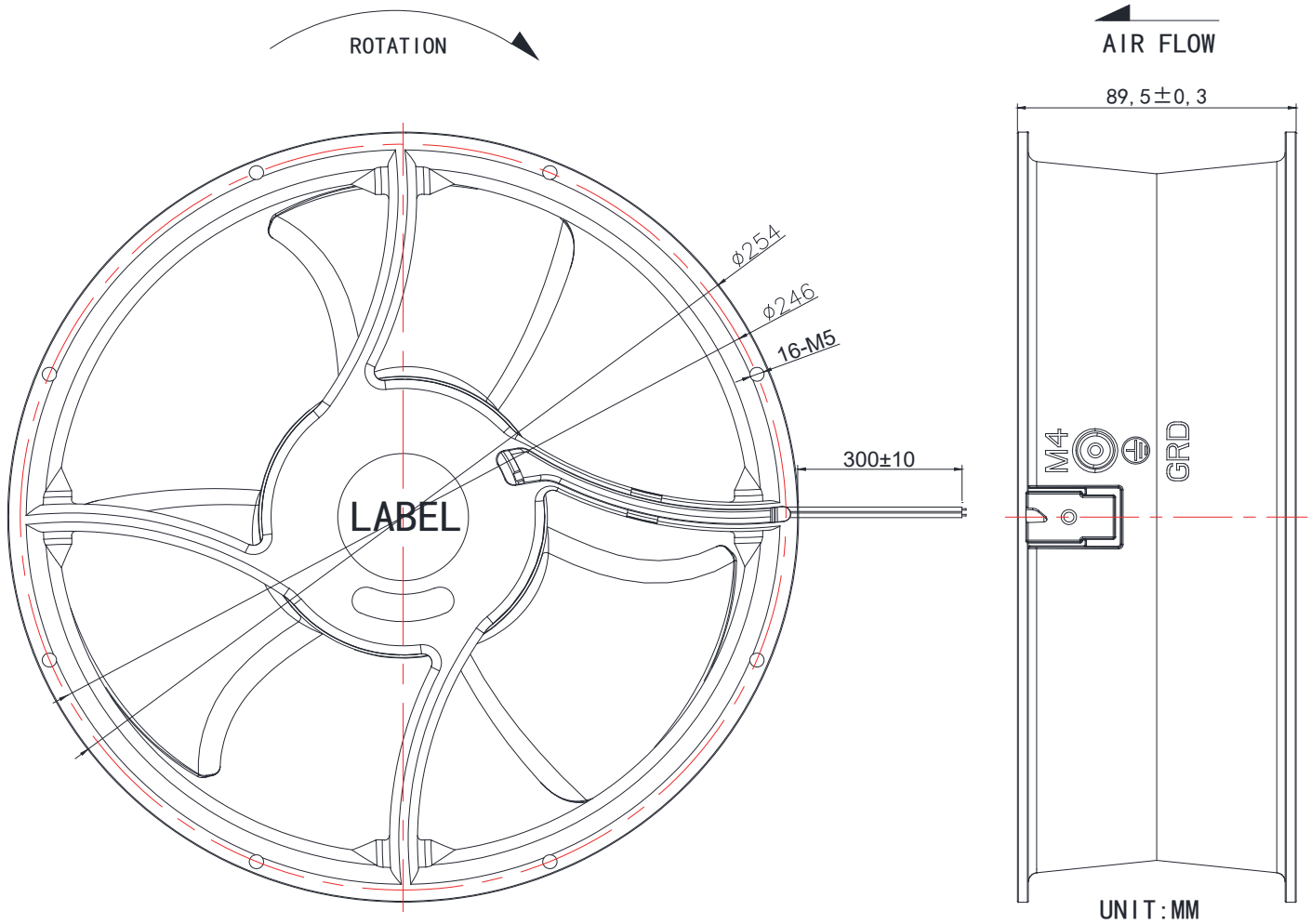
1. the equipment shall only be used in an area of at least pollution degree 2 as defined in IEC 60664-1. m165
2. the equipment shall be installed in an enclosure that provides a minimum ingress protection of IP54 in accordance with UL 60079-0
3. transient protection device is to be provided by end user set at a level not exceeding 140% of the peak rated voltage value.

6.P&Q Curve



Test condition
Input voltage: operation voltage
Temperature: room temperature
Humidity: 65%RH

7.Outline Drawing



6.Application notice

1. We will not guarantee the performance of the products if the application condition falls outside the parameters set forth in the specification.
2. A written request should be submitted to us prior to approval if deviation from this specification is required.
3. Please exercise caution when handling fans. Damage may be caused when pressure is applied to the impeller, if the fans are handled by the lead wires, or if the fan was hard-dropped to the production floor.



4. Except as pertains to some special designs, there is no guarantee that the products will be free from any such safety problems or failures as caused by the introduction of powder, droplets of water or encroachment of insect into the hub.
5. The above-mentioned conditions are representative of some unique examples and viewed as the first point of reference prior to all other information.
6. It is very important to establish the correct polarity before connecting the fan to the power source. Positive (+) and Negative (-), Damage may be caused to the fans if connection is with reverse polarity, if there is no foolproof method to protect against such error specifically mentioned in this spec.
7. Our fans without special protection are not suitable where any corrosive fluids are introduced to their environment.
8. Please ensure all fans are stored according to the storage temperature limits specified. Do not store fans in a high humidity environment. We highly recommend performance testing is conducted before shipping, if the fans have been stored over 6 months.
9. Not all fans are provided with the Lock Rotor Protection feature. If you impair the rotation of the impeller for the fans that do not have this function, the performance of those fans will lead to failure.
10. Please be cautious when mounting the fan. Incorrect mounting of fans may cause excess resonance, vibration and subsequent noise.
11. It is important to consider safety when testing the fans. A suitable fan guard should be fitted to the fan to guard against any potential for personal injury.
12. Except where specifically stated, all tests are carried out at room (ambient) temperature and relative humidity conditions of 25°C, 65% RH. The test value is only for fan performance itself.
13. Be certain to connect an "4.7µF or greater" capacitor to the fan externally when the application calls for using multiple fans in parallel, to avoid any unstable power.