

# Axial Flow Fan

LWAD5015LH-02

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|                      |                    |
|----------------------|--------------------|
| <b>Model No.:</b>    | LWAD5015LH-02      |
| <b>Customer:</b>     |                    |
| <b>Made by :</b>     | ZHONG WEN RU (钟文如) |
| <b>Check by :</b>    | YAO HUI (姚辉)       |
| <b>Approved by :</b> | LI WEI PENG (李卫鹏)  |
| <b>Date :</b>        | 2022-11-18         |

## Characters :

| Item                                     | Description                                                                                                                     |
|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Rated Voltage :                          | 12.0 VDC                                                                                                                        |
| Operation Voltage:                       | 7.0-13.8 VDC                                                                                                                    |
| Input Current:                           | 0.13 ( Max. 0.16) A                                                                                                             |
| Input Power:                             | 1.56 ( Max. 1.92)W                                                                                                              |
| Speed :                                  | 6000 RPM ( $\pm 10\%$ )                                                                                                         |
| Max.Air Flow :<br>( at 0 Satic Pressure) | 13.74 ( Min. 12.36) CFM                                                                                                         |
| Max.Air Pressure :<br>( at 0 Air Flow )  | 5.71( MIN.5.13) mm H2O                                                                                                          |
| Acoustical Noise ( AVF. ) :              | 35.5 ( Max. 38.2) dBA                                                                                                           |
| Insulation Type :                        | UL:CLASS A                                                                                                                      |
| Insulation Strength :                    | 10 Meg OHM MIN. At 500VDC                                                                                                       |
| Delectric Strength :                     | 5 mA Max,at 500VAC~80Hz,1 Minute                                                                                                |
| External Cover:                          | Open Type                                                                                                                       |
| Life Expectance :                        | 50,000 Hours continous operation at 25°C with 15~65%RH                                                                          |
| Rotation :                               | Clockwise view from name plate side                                                                                             |
| Lead Wire :                              | UL1007 28 # 2PIN 2510-2Pcreamy white,Wire Length:135+/-10mm<br>PIN1: Black Wire Negative ( - )<br>PIN2: Red Wire Positive ( + ) |

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## Mechanical Data :

|                       |                          |
|-----------------------|--------------------------|
| <b>Dimensions :</b>   | See Dimensions Drawing ; |
| <b>Frame :</b>        | PBT Plastic UL:94V-0 ;   |
| <b>Impeller :</b>     | PBT Plastic UL:94V-0 ;   |
| <b>Bearing Type :</b> | Two Ball Bearings ;      |
| <b>Weight :</b>       | 27.0GRAMS                |

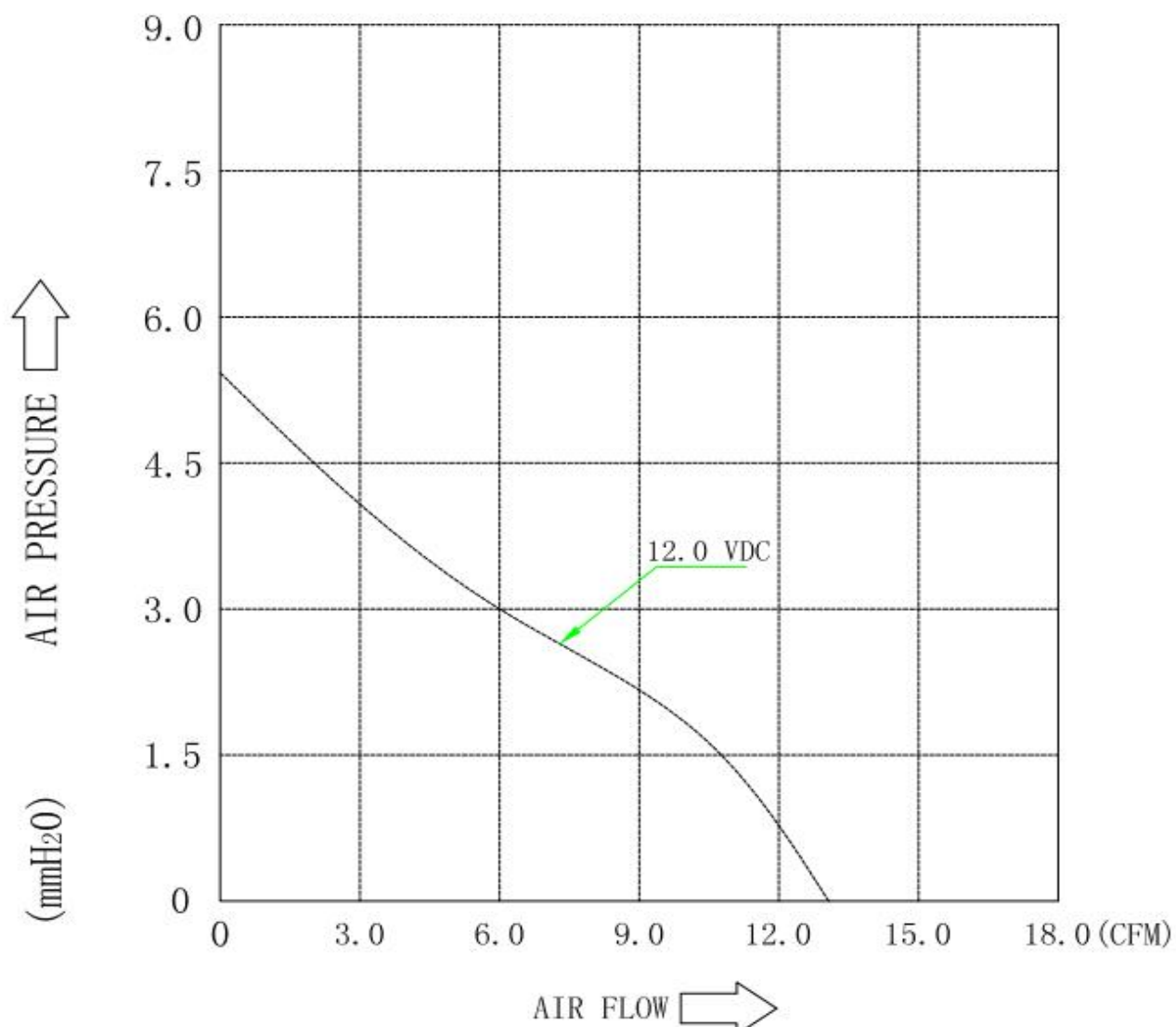
## Environmental :

|                                |                   |
|--------------------------------|-------------------|
| <b>Operating Temperature :</b> | -10 °C ~ +60 °C ; |
| <b>Storage Temperature :</b>   | -40 °C ~ +70 °C ; |
| <b>Operating Humidity:</b>     | 5 % RH ~ 90% RH ; |
| <b>Storage Humidity :</b>      | 5 % RH ~ 95% RH ; |

## Protection :

|                                 |                                                                                                                                               |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Drop Testing :</b>           | In mininum packaging condition : fan with stands each one drop of three faces from 30cm distance height onto 10mm thickness of wooden board ; |
| <b>Locked Rotor Protection:</b> | Impedance of Motor winding protects Motor from fire in 72 hours of locked rotor condition at the rated voltage ;                              |
| <b>Production Location :</b>    | Made - In - China ;                                                                                                                           |

## Charts : P-Q Curve

**Test Condition :**

Input Voltage - Operation Voltage ;

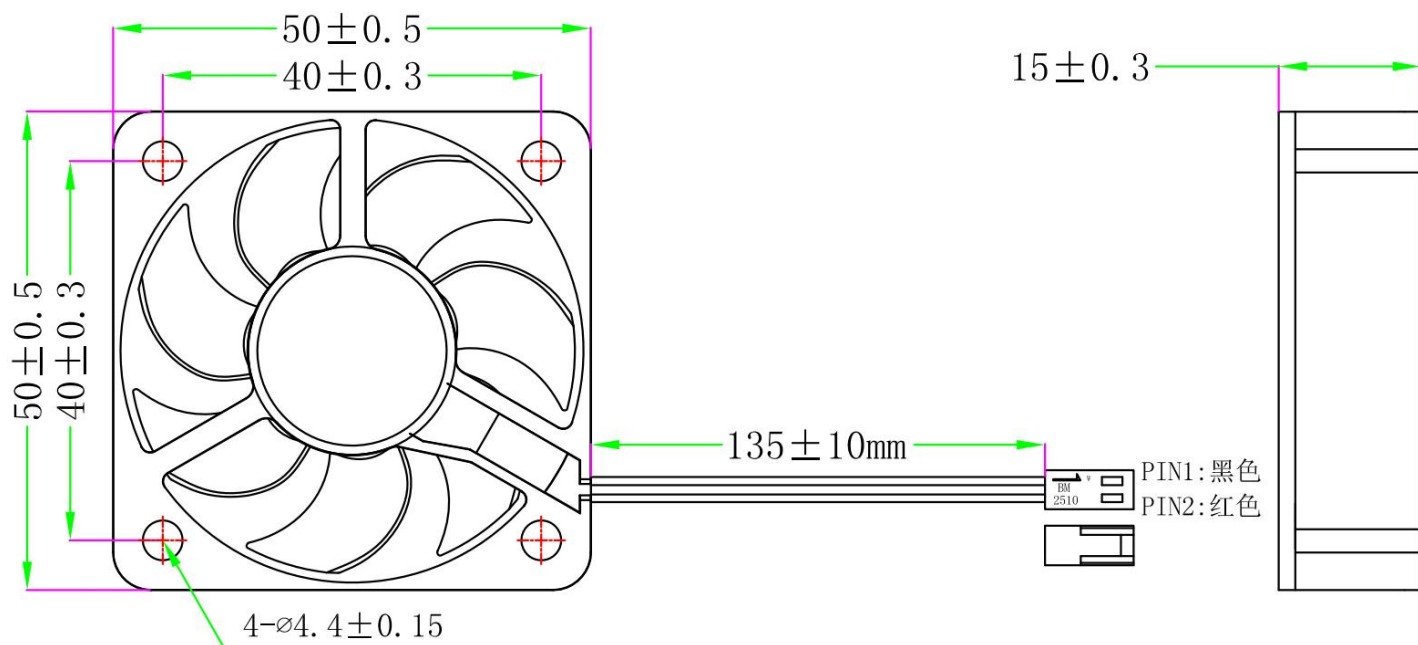
Temperature - Environment Temperature ( Room temperature about 20~25 °C ) ;

Humidity : 65% RH

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## Dimensions Drawing :



### Notes :

UL1007 28# 2PIN ,2510-2P creamy white;Wire Length:440+/-10mm

PIN1: Black Wire Negative ( - )

PIN2: Red Wire Positive ( + )

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CUSTOMER APPROVAL

CUSTOMER SIGNATURE:

DATE :