# SPECIFICATION

## MODEL
## K-AC160-D230-27

## 1.Technical Data

| Item | | Specifications/Conditions |
|---|---|---|
| 1-1 | Model | K-AC160-D230-27 |
| 1-2 | Dimension | 160mm |
| 1-3 | Operating Voltage | 230V |
| 1-4 | Rated Voltage/Frequency | 230V/50Hz |
| 1-5 | Rated Current | 1.9A±10% |
| 1-6 | Rated Power | 500W±10% |
| 1-7 | Speed | 2780RPM±5% |
| 1-8 | Air Flow | 1000m³/h |
| | Static Pressure | 840Pa |
| 1-9 | No of Blade | Multi wing forward facing wind turbine |
| 1-10 | No of Pole | 2 Pole |
| 1-11 | Operating Temperature Rise | Standard temperature rise ≤ 115K, measured at rated voltage (50Hz)<br>Test temperature rise:65K<br>Rated voltage 1.1 times (50Hz) Test temperature rise:105K<br>Note:Work pressure is at 600Pa |
| 1-12 | Max.Noise | 74±5%dB-A |
| 1-13 | Life Time | Durability test of fan: The fan shall operate continuously for 50000 hours without failure (when operating at rated voltage, ambient temperature of 25℃, and within the working range of the fan). |

## 2.Main Materials/Parts Specification

| Materials/Parts | | Specification |
|---|---|---|
| 2-1 | Housing | Galvanized sheet |
| 2-2 | Blade | Galvanized sheet |
| 2-3 | Bearing Type | Ball bearing |
| 2-4 | Lead Wire | Teflon four core cable |
| 2-5 | Connector | No |
| 2-6 | Capacitor | 20μF/500V |

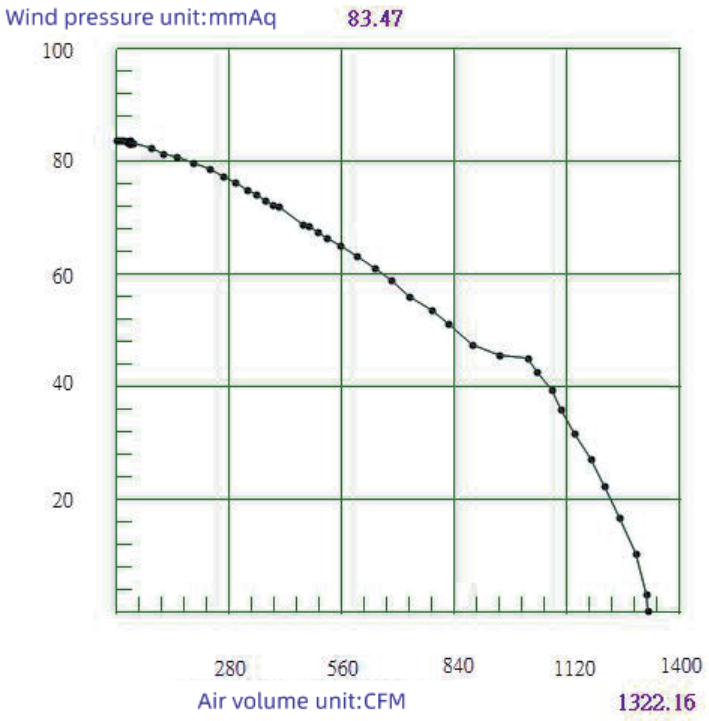
## 3.Electrical Specifically

| | | |
|---|---|---|
| 3-1 | Insulation Resistance | 100MΩ/Between unshackled wire and frame at 500VDC/min |
| 3-2 | Dielectric Strength | 5Ma Max./Measurement between wire and outer frame 1860VAC/5mA/S |
| 3-3 | Waterproof Level | IP 00 |

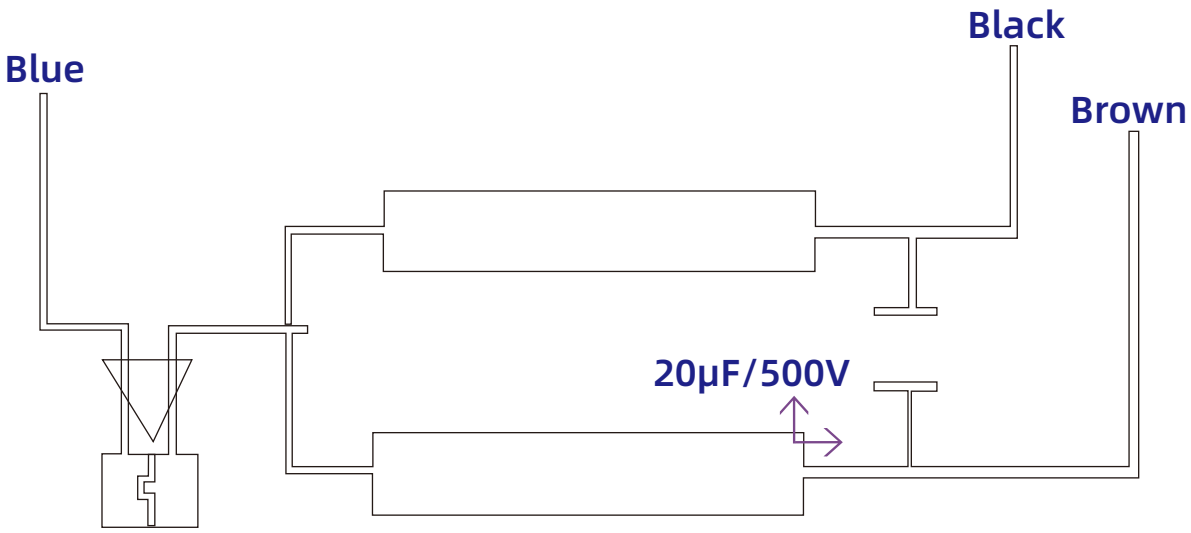
## 4.Environmental Specification

| | | |
|---|---|---|
| 4-1 | Operating Temp.Range | Temperature:-10℃~+60℃<br>Humidity:0%~70%RH |
| 4-2 | Storage Temperature | Temperature:-40℃~+70℃<br>Humidity:0%~85%RH |
| 4-3 | Insulation Level | Class F |

## 5.Performance Curve




## 6.Wiring Diagram



## 7.Outline Drawing

