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# Specifications

## AC Axial Fan

Model : YWF6D-450

Type : S-E5L

Coding : E04150517

Version: V1.0

Date : 2022.03.03

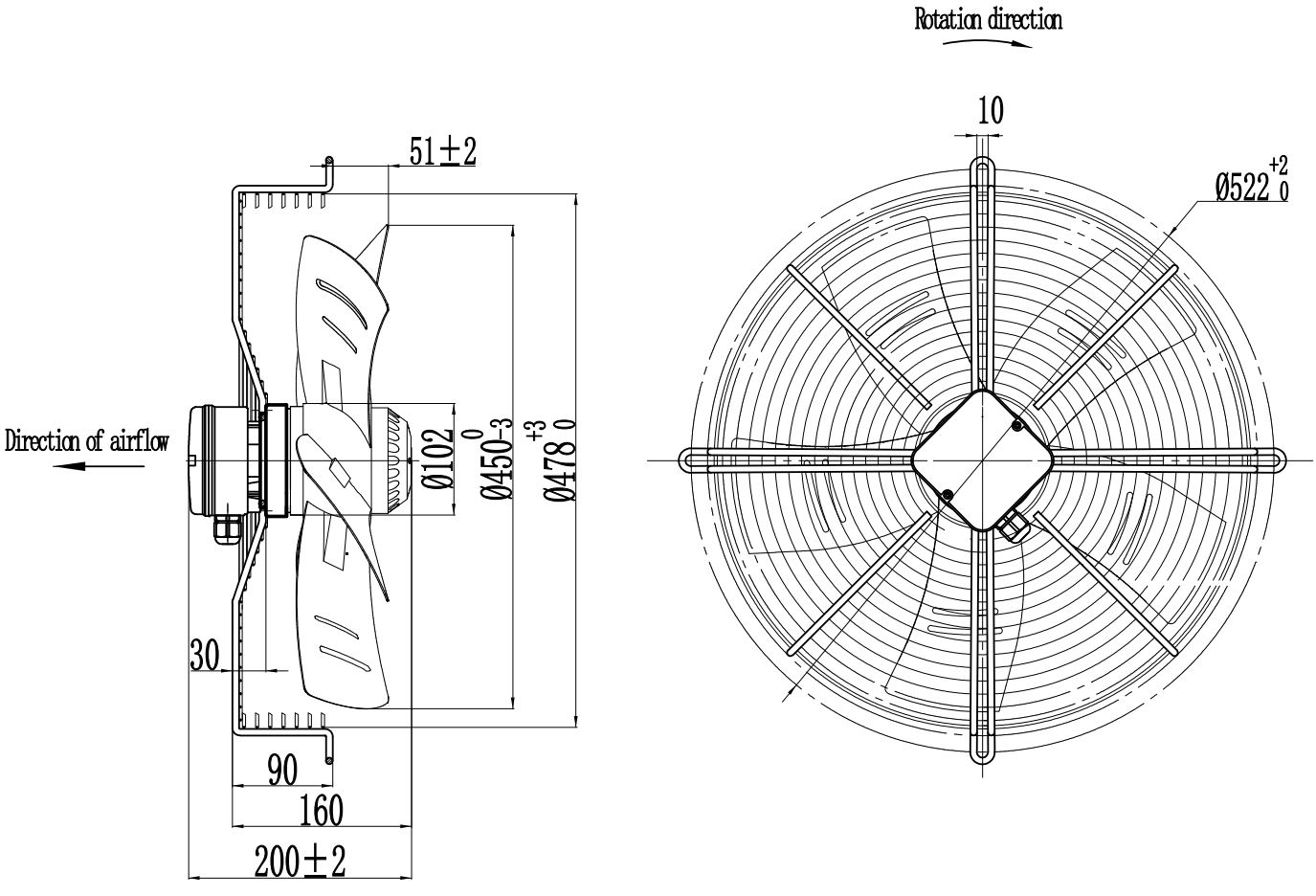
| Version | Status | Version update instructions | Date | DRN BY | CHK BY |
|---|---|---|---|---|---|
| V1.0 | Effective | Initial release | 2022-03-03 | JX.Chen | XQ.Chen |
| | | | | | |
| | | | | | |
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| | | | | | |

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# Standards

- GB12350 *《Safety Requirments of small Power motors》*
- EN60335-1 *《Safety Requirments of Household of Similar Electrical Appliances》*
- The level of balance is in accordance with ISO 1940, G4.0
- Vibration testing and velocity is performed according to JB/T8689.
- This product is certified by China CCC and EU CE
- ISO 9001 quality system certification
- Standard of noise test:ISO 13347 *《Determination of fan sound power levels under standardized laboratory conditions》*
- The fan performance data is accurate and reliable, conforming to GB/T1236-2017 and *《Industrial fans-performance testing using standardize dairways》* in ISO5801-2007 standards.

# Product Drawings



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# Technical Parameters

| | | |
|---|---|---|
| Power supply | Phase | 3 |
| Frequency | HZ | 50 |
| Wiring | | Y |
| Capacitance | μF | - |
| Input Voltage | V | 380 |
| Input Current | A | 0.50 |
| Input Power | W | 147 |
| Rated Speed | r/min | 940 |
| Fan Noise | dB(A) | 55 |
| Fan Steering | | Counterclockwise(From the motor) |
| Fan Life | h | 40000 |
| Fan Weight | kg | 6.8 |
| Protection Level | | IP54 |
| Insulation Class | | F |
| Balance Level | | G4.0 |
| Ambient Temperature | ℃ | -40~+60 |
| Environment Humidity | | ≤90%RH |
| Impeller Material | | Metal |
| Spray Color | | - |
| Operating Status | | S1 |

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# Label and Product wiring diagram

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External Rotor Axial Fan

CE

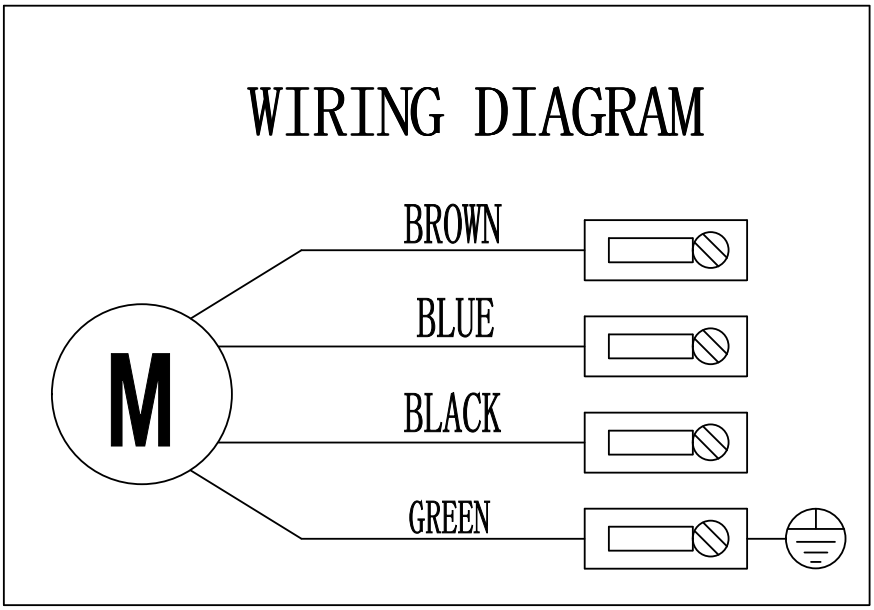
EAC

YWF6D-450 S-E5L E04150517

380V 3PH 50Hz 0.50A 147W

940r/min 3680m³/h 60Pa CL.F Date:2022.XX

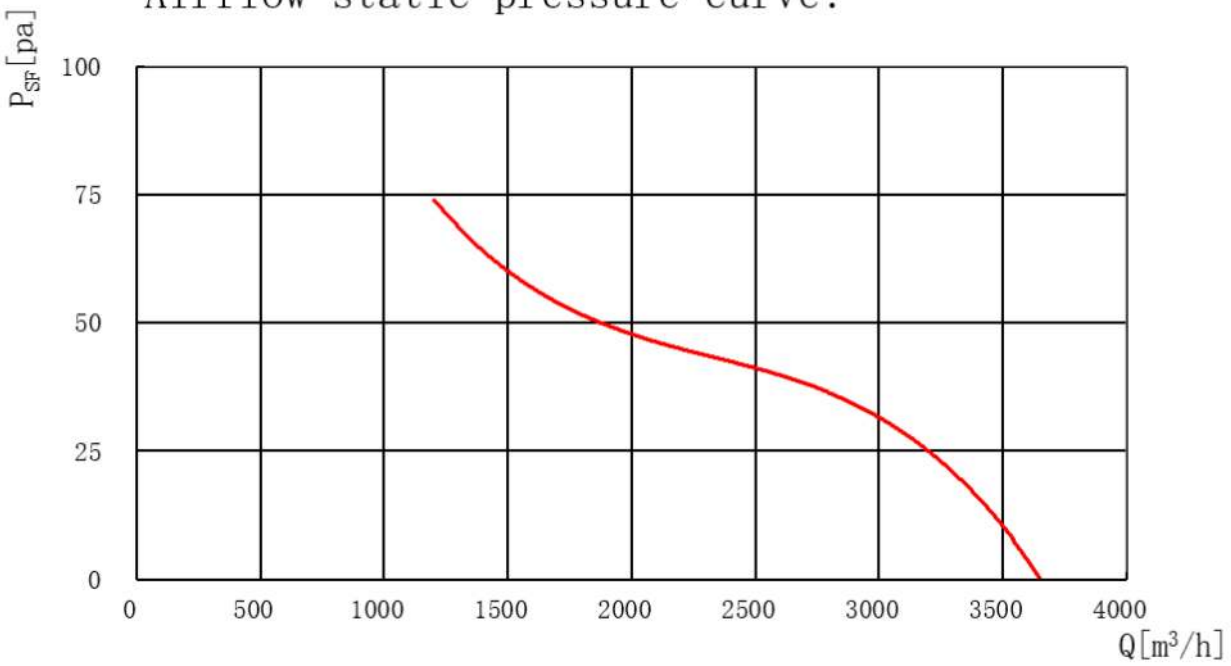
# Product wiring diagram



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# Product Performance

Airflow-static pressure curve:




| St.P. | Air Flow | Speed | Votage | Freq. | Current | Power |
|---|---|---|---|---|---|---|
| Pa | m3/h | RPM | V | Hz | Amp | W |
| 0 | 3679 | 951 | 401 | 50 | 0.52 | 152 |
| 18 | 3301 | 943 | 399 | 50 | 0.52 | 159 |
| 30 | 3004 | 938 | 398 | 50 | 0.52 | 166 |
| 39 | 2703 | 935 | 399 | 50 | 0.53 | 172 |
| 45 | 2406 | 934 | 401 | 50 | 0.53 | 178 |
| 48 | 2107 | 930 | 403 | 50 | 0.53 | 182 |
| 50 | 1798 | 928 | 402 | 50 | 0.53 | 180 |
| 56 | 1505 | 922 | 401 | 50 | 0.53 | 190 |
| 76 | 1200 | 915 | 402 | 50 | 0.54 | 205 |