

EC280

Backward Curved Centrifugal Fan

Description

Ec motor powered backward-curved centrifugal fan with 280 mm diameter, with maximum air volume up to 2100 m³/h and static pressure up to 650 Pa.

This external rotor has a compact structure, operates reliably and is both energy saving and efficient.

It is designed with low noise, a long service life, and is easy to install.

This product also meeting ErP energy efficiency requirements, it is easier to control the fan with a progressive control 0-10v and flexibly meet customers control requirements.

Construction

IMPELLER/MOTOR

Rotor material: carbon steel

Impeller material: galvanized steel sheet

Ingress protection: IP44

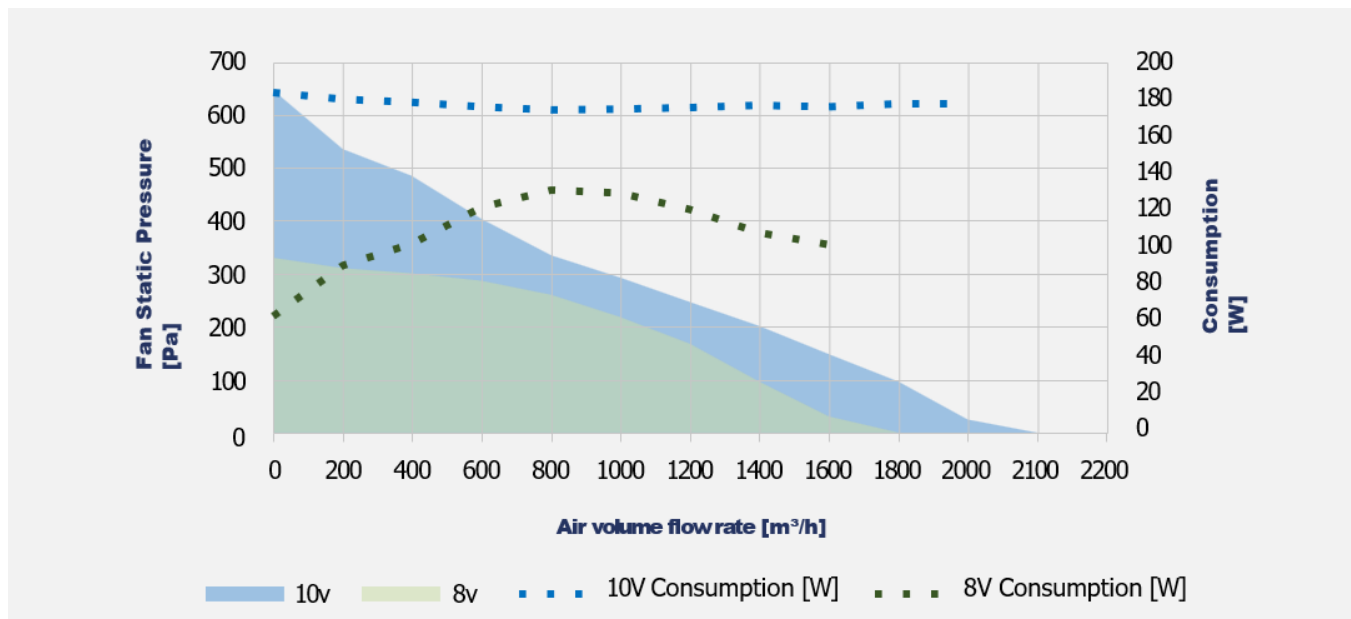
Insulation Class: F

Bearing maintenance: maintenance free

MOTOR SUPPORT

Material: galvanized steel painted

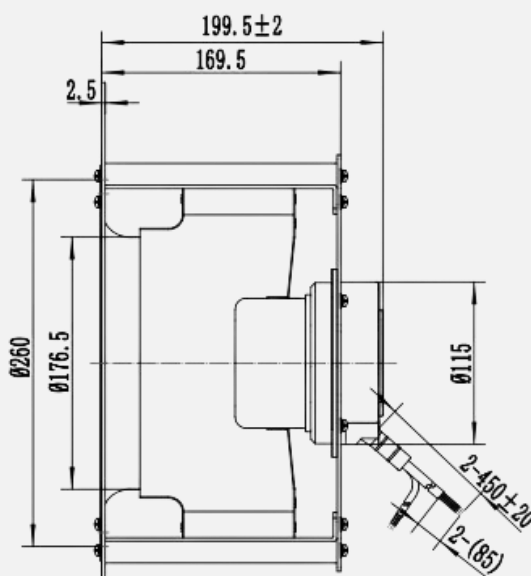
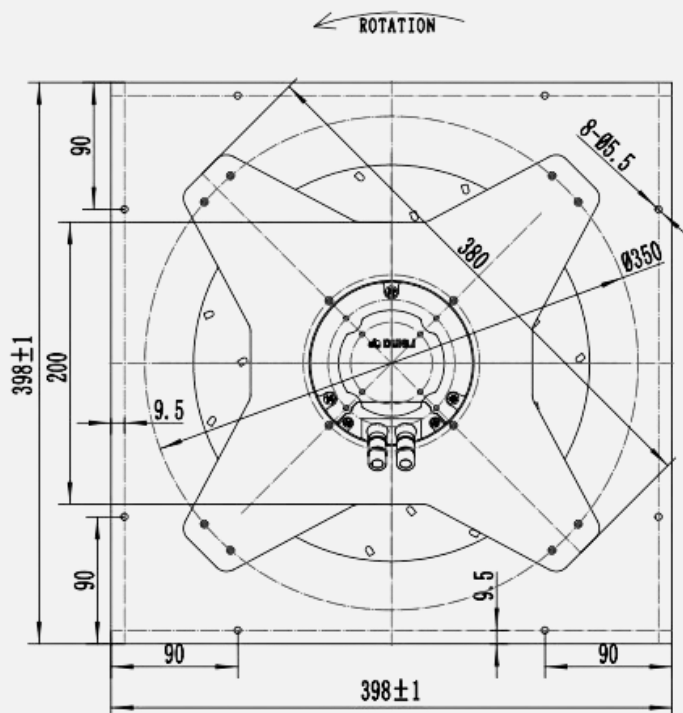
Performance



Nominal Data

| Model No. | EC280 | |
|---------------------|-------------------------|------------|
| Voltage | VAC | 220 |
| Frequency | Hz | 50/60 |
| Speed | RPM | 2300 ± 10% |
| Input Power | W | 182 ± 16% |
| Current | A | 1,4 ± 16% |
| Working Temp. | Min/Max(°C) | -20/+60 |
| Noise | dB (A) | ≤ 79 |
| Control Methods | V.DC | 0-10V |
| Power Output | V.DC | +10V |
| Life | Hr | ≥ 40000 |
| Protection Function | Over Temperature | |
| | Over Current | |
| | Locked Rotor Protection | |
| | Lack Voltage Protection | |
| | Over Voltage Protection | |

Dimensions

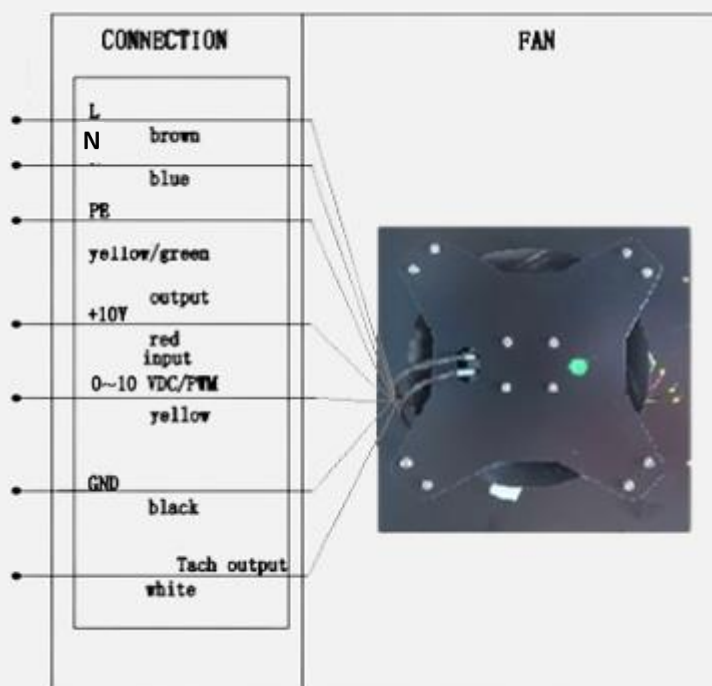


WEIGHT 7,37Kg

DIMENSIONS [MM]

Connection

| Model No. | Number | Signal | Input | Color |
|-----------|--------|--------|---------------------|--------------|
| EC280 | 1 | L | AC220v 50Hz-60Hz | Brown |
| | 2 | N | AC220v 50Hz-60Hz | Blue |
| | 3 | PE | EARTH | Yellow Green |
| | 5 | GND | GND | Black |
| | 6 | Vsp | 0-10V/PWM | Yellow |
| | 7 | Vcc | +10V.DC | Red |
| | 8 | FG | 1 Pulse/R | White |



AIRWIDE

AIR QUALITY SYSTEMS