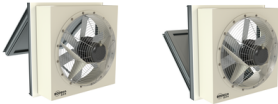


WALL/FREE-80-4T-3 IE3

Dynamic wall mount extractor fans fitted with motorised hatch

Dynamic wall extractor fans with motorised opening system and protective grating for use without extract duct. Suitable for installation in industrial buildings, stores or in any other type of building.



Fan:

- Wall fixing flange for correct and easy installation.
- Support frame in galvanized sheet steel.
- Variable angle impeller made of cast aluminium.
- Airflow direction from motor to impeller.
- Protection grid against contacts according to UNE-EN ISO 12499.

Extruded aluminum hatch:

- An extremely robust structure that is able to withstand severe weather changes.
- Designed to ensure watertightness.
- Aluminum profile with thermal bridge break.
- Central ceiling and structure equipped with high performance thermal insulation.
- Thermal resistance of the assembly less than 0.89 W/m²·K.
- Limit switches in both positions (open and closed).
- Possibility of mounting in upper and lower opening.
- Manual opening system.

Motor:

- Class F motors with ball bearings. IP55 protection. Except single-phase models from size 45 to size 56, with IP54 protection. 1 or 2 speeds depending on model.
- IE3 efficiency motors.
- Three-phase 230/400 V 50 Hz (up to 4 kW) and 400/690 V 50 Hz (powers greater than 4 kW).
- Working temperature: -25 °C +50 °C.

Actuator:

- Reliability greater than 11,000 dual cycles.
- Supply voltage at 230 V AC 50/60 Hz.
- Working temperature: -25 °C +60 °C.

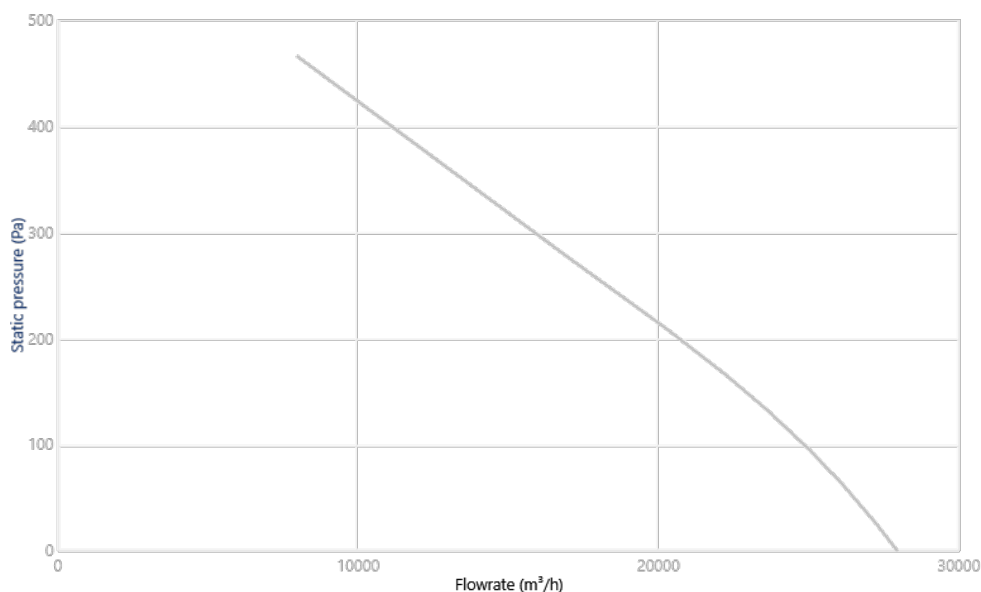
Flap finish:

- Anti-corrosive in extruded aluminum.
- RAL 7016 supplied as standard. Any other RAL can be supplied on demand.

On request:

- AA: impeller-motor air direction for air entry to premises.

CHARACTERISTIC CURVE AND ACOUSTICS AT 1.2KG/M³



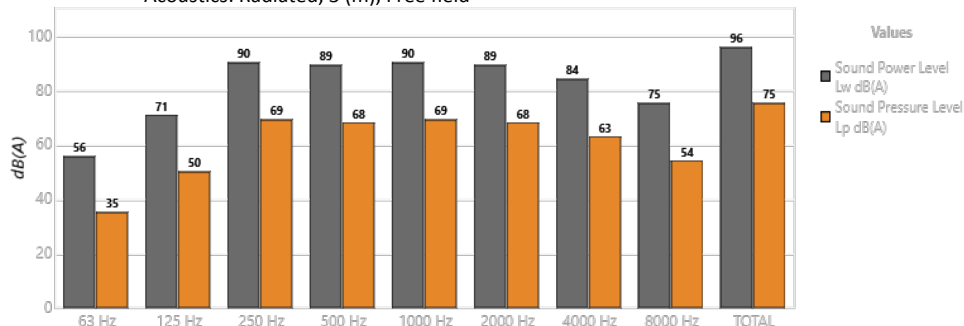
Design Point

| | |
|----------|--|
| Q (m³/h) | |
| Ps (Pa) | |

Service Point (SP)

| | |
|----------|---|
| Q (m³/h) | - |
| Ps (Pa) | - |
| Pd (Pa) | - |
| Pt (Pa) | - |

Acoustics: Radiated, 3 (m), Free field



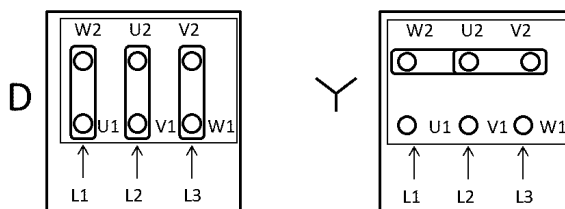
| Band | Lw dB(A) | Lp dB(A) |
|---------|----------|----------|
| 63 Hz | 56 | 35 |
| 125 Hz | 71 | 50 |
| 250 Hz | 90 | 69 |
| 500 Hz | 89 | 68 |
| 1000 Hz | 90 | 69 |
| 2000 Hz | 89 | 68 |
| 4000 Hz | 84 | 63 |
| 8000 Hz | 75 | 54 |
| TOTAL | 96 | 75 |

TECHNICAL CHARACTERISTICS

| | |
|-------------------------------------|-------|
| Airflow maximum (m ³ /h) | 27942 |
| Speed (rpm) | 1435 |
| Maximum static pressure (Pa) | 465.7 |
| Maximum total pressure (Pa) | 477.3 |

MOTOR DATA

| | |
|------------------------------|------|
| Rated Mechanical Power (kW) | 2.2 |
| Hz/phases | 50/3 |
| Motor (rpm) | 1435 |
| Poles | 4P |
| Max. current (A) 380-415 V Y | 4.56 |
| Max. current (A) 220-240 V D | 7.93 |
| Motor protection | IP55 |
| Motor frame size | 100L |



Data can change, please check motor plate

DIMENSIONS

| A | B | C [1] | D [2] | E | F | G | J1 | J2 | K1 | K2 |
|-----|-----|-------|-------|----|-----|-----|------|-----|------|-----|
| 990 | 990 | 1000 | 1000 | 82 | 760 | 500 | 1050 | 300 | 1050 | 300 |

[1] (C x D) Nominal size of the wall opening.

[2] (C x D) Nominal size of the wall opening.

Dimensions without explicitly defined units are shown in millimeters (mm). Dimensions depending on the motor are approximate

| | |
|---------------------|-----|
| Approx. weight (kg) | 114 |
|---------------------|-----|

