

WALL/FREE-63-4T-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.

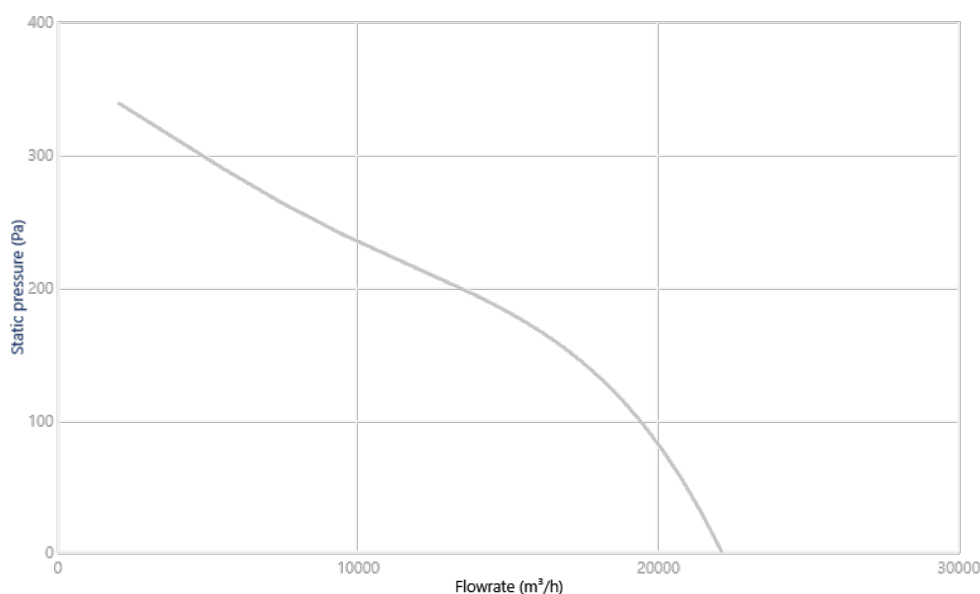
Flap finish:

- 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



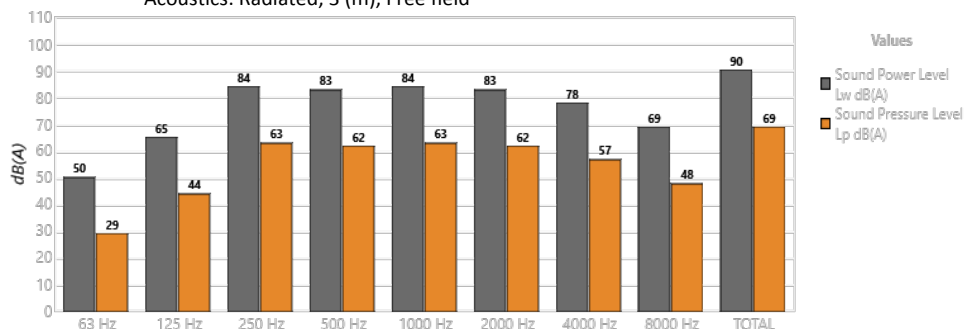
Design Point

Q (m³/h)	
Ps (Pa)	

Service Point (SP)

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

Acoustics: Radiated, 3 (m), Free field



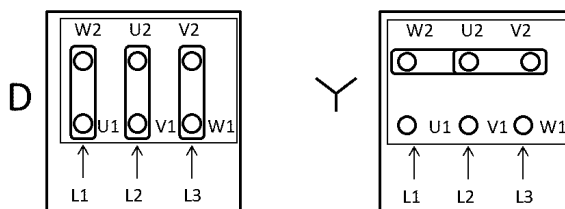
Band	Lw dB(A)	Lp dB(A)
63 Hz	50	29
125 Hz	65	44
250 Hz	84	63
500 Hz	83	62
1000 Hz	84	63
2000 Hz	83	62
4000 Hz	78	57
8000 Hz	69	48
TOTAL	90	69

TECHNICAL CHARACTERISTICS

Airflow maximum (m ³ /h)	22091
Speed (rpm)	1435
Maximum static pressure (Pa)	338.7
Maximum total pressure (Pa)	340.5

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	475	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)	97
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