

## WALL/FREE-40-2T-1.5 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/m<sup>2</sup>·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.

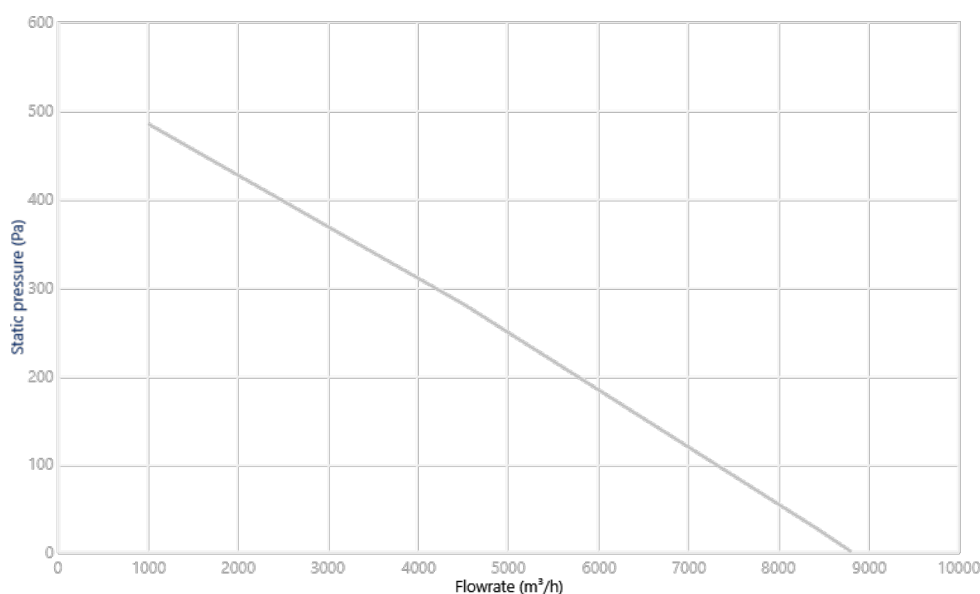
#### Flap finish:

- 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/M<sup>3</sup>



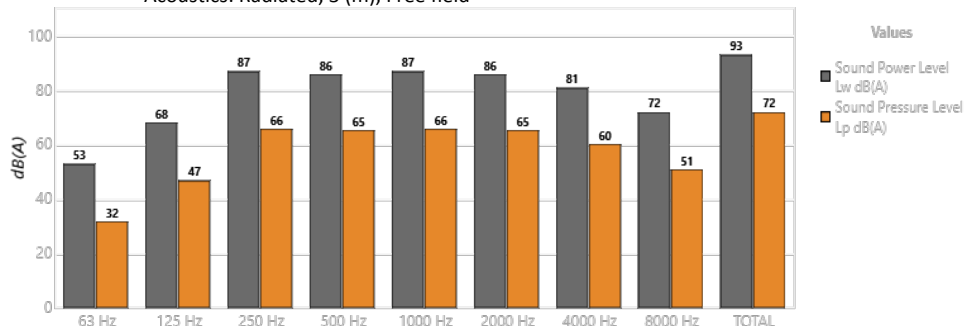
#### Design Point

Q (m³/h)	
Ps (Pa)	

#### Service Point (SP)

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

Acoustics: Radiated, 3 (m), Free field



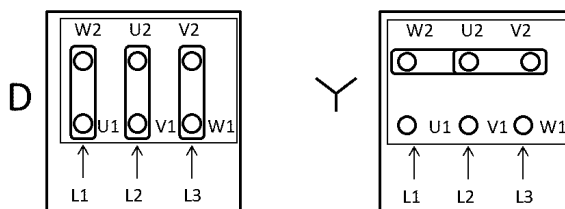
Band	Lw dB(A)	Lp dB(A)
63 Hz	53	32
125 Hz	68	47
250 Hz	87	66
500 Hz	86	65
1000 Hz	87	66
2000 Hz	86	65
4000 Hz	81	60
8000 Hz	72	51
TOTAL	93	72

## TECHNICAL CHARACTERISTICS

Airflow maximum (m <sup>3</sup> /h)	8806
Speed (rpm)	2830
Maximum static pressure (Pa)	484.3
Maximum total pressure (Pa)	487

## MOTOR DATA

Rated Mechanical Power (kW)	1.1
Hz/phases	50/3
Motor (rpm)	2830
Poles	2P
Max. current (A) 380-415 V Y	2.34
Max. current (A) 220-240 V D	4.03
Motor protection	IP55
Motor frame size	80



Data can change, please check motor plate

## DIMENSIONS

A	B	C [1]	D [2]	E	F	G	J1	J2	K1	K2
640	590	650	600	82	430	375	700	200	700	200

[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)	55
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