

HC-63-4T/H / ATEX / EXII2G EX D



71-100



25-63

ATEX-certified. wall-mounted axial extractor fans and optional Ex e. Ex d. Ex tc and Ex tb marking

ATEX-certified. wall-mounted axial extractor fans with CEE ExII2G Ex e explosion-proof. CEE ExII2G Ex d. Ex tc. or Ex tb non-sparking motor for working in explosive atmospheres containing dust or gas.



Fan:

- Cast aluminium rotor.
- Motor-rotor air flow direction.
- Non-sparking cable gland included.
- Anti-contact protective grille in accordance with standard UNE-EN ISO 12499 included in models 25 to 63. and as an accessory in other models.
- Support frame in sheet steel with aluminium strip in rotor zone. in accordance with standard EN-14986.

Motor:

- Class F motors with ball bearings and ATEX certification. Ex e explosion-proof and Ex d. Ex tc or Ex tb non-sparking certification.
- Three-phase 230/400V-50Hz (up to 4 kW) and 400/690V-50Hz (powers higher than 4 kW).
- Operating temperature: -20°C +40°C.

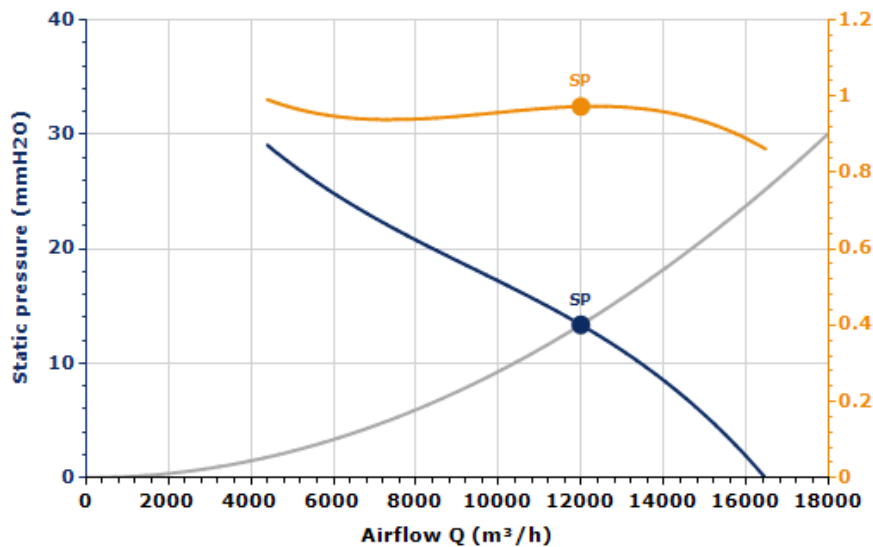
Finish:

- ATEX corrosion-proof. with non-ferric paint finish of polyester resin polymerised at 190°C. previously degreased with phosphate-free nanotechnological treatment.

On request:

- Motors with built-in PTC.
- Special windings for different voltages and frequencies.
- ATEX construction for different categories.
- Extractor fans with 2-speed motors.
- Single-phase. Ex d non-sparking motors.

CHARACTERISTIC CURVE AND ACOUSTICS AT 1.2KG/M³



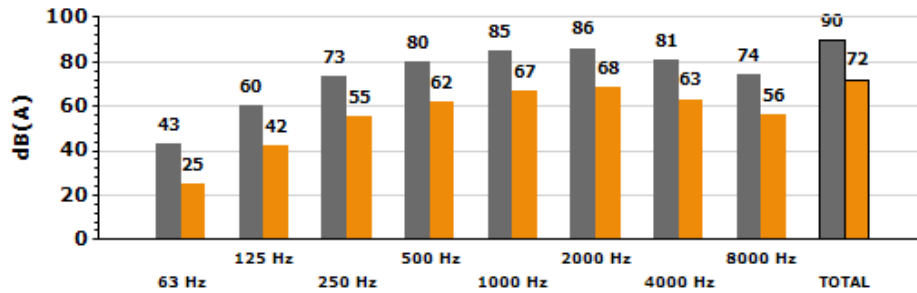
Design Point

Q (m ³ /h)	11983
Ps (mmH2O)	13.36

Service Point (SP)

Q (m ³ /h)	11988.43
Ps (mmH2O)	13.37
Pd (mmH2O)	6.79
Pt (mmH2O)	20.17
Impeller (rpm)	1410
Max. Temp. (°C)	60
Outlet air speed (m/s)	10.54
SFP (kW/m ³ /s)	0.40
Mechanical Power (kW)	0.97

Acoustics: Inlet, 3 (m), 1 reflecting plane



Band	Lw dB(A)	Lp dB(A)
63 Hz	43	25
125 Hz	60	42
250 Hz	73	55
500 Hz	80	62
1000 Hz	85	67
2000 Hz	86	68
4000 Hz	81	63
8000 Hz	74	56
TOTAL	90	72

TECHNICAL CHARACTERISTICS

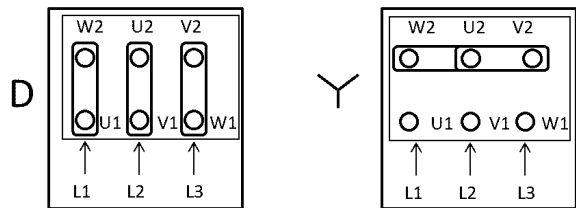
Airflow maximum (m ³ /h)	16455.32
Speed (rpm)	1410
Approx. weight (kg)	26.50

ERP

Remarks	ErP: Exclude. ATEX
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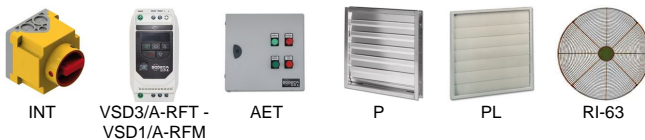
MOTOR DATA

Rated Mechanical Power (kW)	1.10
Hz/phases	50/3
Motor (rpm)	1410
Poles	4P
Max. current (A) 380-415 V Y	3
Max. current (A) 220-240 V D	5.20
Motor protection	IP55
Motor frame size	90



Data can change, please check motor plate

AVAILABLE ACCESSORIES



It must be checked that the accessory is suitable for the fan model

DIMENSIONS

A	B	C	D	E	G	H	J	K
800	710	638	635	399	15	140	10.5	820

Dimensions without explicitly defined units are shown in millimeters (mm)

