

## HCT-35-4T/ATEX/EXII2G EX E



### Extremely robust, ATEX certified, tubular axial extractor fans

ATEX certified tubular axial extractor fans with CEE ExII2G Ex e explosion-proof, CEE ExII2G Ex d, Ex tc, or Ex tb non-sparking motors for operating in explosive atmospheres.



#### Fan:

- Tubular casing made of sheet steel with aluminium strip in rotor zone, in accordance with standard EN-14986.
- Cast aluminium impellers.
- With inspection hatch.
- Airflow direction from motor to impeller.

#### Motor:

- Class F motors with ATEX certified ball bearings, Ex e increased safety, Ex d, Ex tb or Ex tc flameproof.
- Three-phase 230/400 V 50 Hz (up to 4 kW) and 400/690 V 50 Hz (powers greater than 4 kW).
- Working temperature: -20 °C +40 °C.

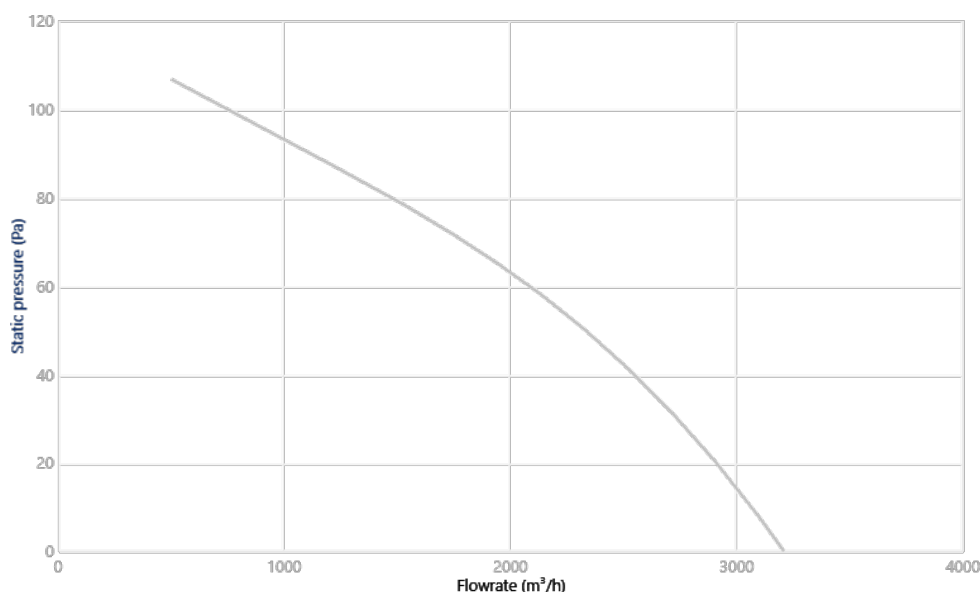
#### Finishing:

- Anti-corrosive with ATEX paint, free of iron components, in polyester resin polymerized at 190 °C, after degreasing with phosphate-free nanotechnological treatment.

#### On request:

- Motors with built-in PTC.
- Special windings for different voltages and frequencies.
- ATEX construction for different categories.
- Fans with 2 speed motor.
- Ex d explosion proof single-phase motors.

### CHARACTERISTIC CURVE AND ACOUSTICS AT 1.2KG/M<sup>3</sup>



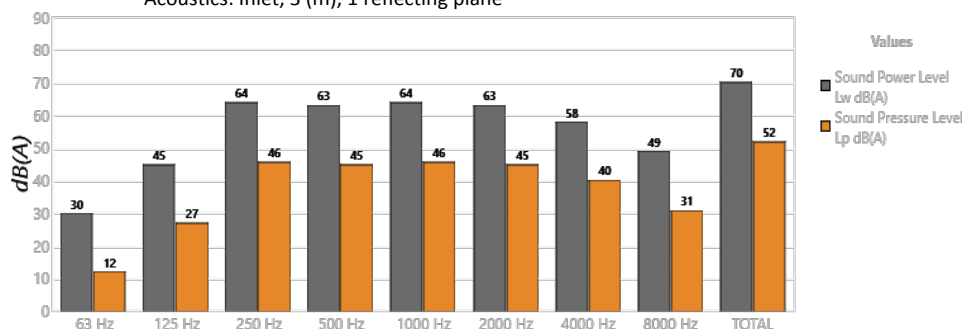
#### Design Point

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

#### Service Point (SP)

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

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



| Band    | Lw dB(A) | Lp dB(A) |
|---------|----------|----------|
| 63 Hz   | 30       | 12       |
| 125 Hz  | 45       | 27       |
| 250 Hz  | 64       | 46       |
| 500 Hz  | 63       | 45       |
| 1000 Hz | 64       | 46       |
| 2000 Hz | 63       | 45       |
| 4000 Hz | 58       | 40       |
| 8000 Hz | 49       | 31       |
| TOTAL   | 70       | 52       |

## TECHNICAL CHARACTERISTICS

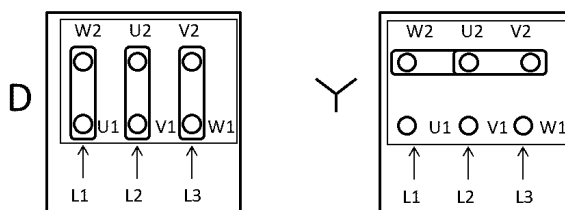
|                              |       |
|------------------------------|-------|
| Airflow maximum (m³/h)       | 3209  |
| Speed (rpm)                  | 1400  |
| Maximum static pressure (Pa) | 106.7 |
| Maximum total pressure (Pa)  | 107.9 |

## ERP

|         |                    |
|---------|--------------------|
| Remarks | ErP: Exclude. ATEX |
|---------|--------------------|

## MOTOR DATA

|                              |      |
|------------------------------|------|
| Rated Mechanical Power (kW)  | 0.12 |
| Hz/phases                    | 50/3 |
| Motor (rpm)                  | 1400 |
| Poles                        | 4P   |
| Max. current (A) 380-415 V Y | 0.74 |
| Max. current (A) 220-240 V D | 1.28 |
| Motor protection             | IP55 |
| Motor frame size             | 63   |



Data can change, please check motor plate

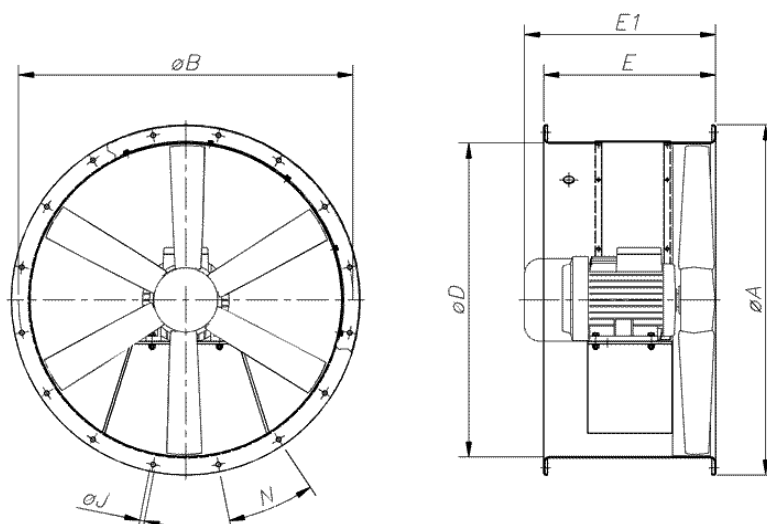
## DIMENSIONS

| A   | B   | D   | E [1] | E1 | J  | N     |
|-----|-----|-----|-------|----|----|-------|
| 425 | 395 | 355 | 280   | -  | 10 | 8x45° |

### A

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

|                     |    |
|---------------------|----|
| Approx. weight (kg) | 12 |
|---------------------|----|



## AVAILABLE ACCESSORIES



INT



VSD3/A-RFT -  
VSD1/A-RFM



AET



P



RT-35



BTUB-355



BAC-355



PS-35/40



PL

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