

## CTH3 ATEX



ROOF FAN, ABS COWL ATEX

### MANUFACTURING FEATURES

- Roof cowl made of ABS
- Structure, roof base support and bird protection guard made of galvanised steel.
- High efficiency backward impeller with self-cleaning system of steel.
- ATEX standard asynchronous motor. ATEX certified according to the zone.. IP55 protection and class F insulation. Manufactured with standard voltages: 230/400V 50Hz for three phase motors up to 4kW and 400/690V 50Hz for higher powers.

### APPLICATIONS

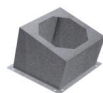
Ventilation in indoor environments classified as ATEX. Specially designed for roof installation, they are suitable for:

- Smoke extraction.
- Smoke emergency exhaust with motor outside the hazardous area.
- Air renewal in buildings and industries.
- Industrial and professional kitchen hoods.
- Working temperature: ambient from -20°C to 40°C, transported air according to the ATEX clasification.

### UNDER REQUEST

- 60Hz and special voltages.

## Accessories



**BTI**



**INT**



**INT  
ATEX**



**SFC**

## Technical data

### Single-phase motor / 4 poles

| Code        | Model                   | R.P.M. | Rated I.<br>A 230V | Rated power<br>kW | Max.<br>Airflow<br>m³/h | Sound<br>db (A)** | Weight<br>kg | Connect.<br>diagram |
|-------------|-------------------------|--------|--------------------|-------------------|-------------------------|-------------------|--------------|---------------------|
| 279310103XD | CTH3 315 M4 0,25KW ATEX | 1400   | 1,93               | 0,25              | 2.190                   | 43                | 30           | 1                   |

### Three-phase motor / 4 poles

| Code        | Model                   | R.P.M. | Rated I.<br>A 400V | Rated power<br>kW | Max.<br>Airflow<br>m³/h | Sound<br>db (A)** | Weight<br>kg | Connect.<br>diagram |
|-------------|-------------------------|--------|--------------------|-------------------|-------------------------|-------------------|--------------|---------------------|
| 279310106XN | CTH3 315 T4 0,25KW ATEX | 1400   | 0,84               | 0,25              | 2.190                   | 43                | 30           | 2                   |

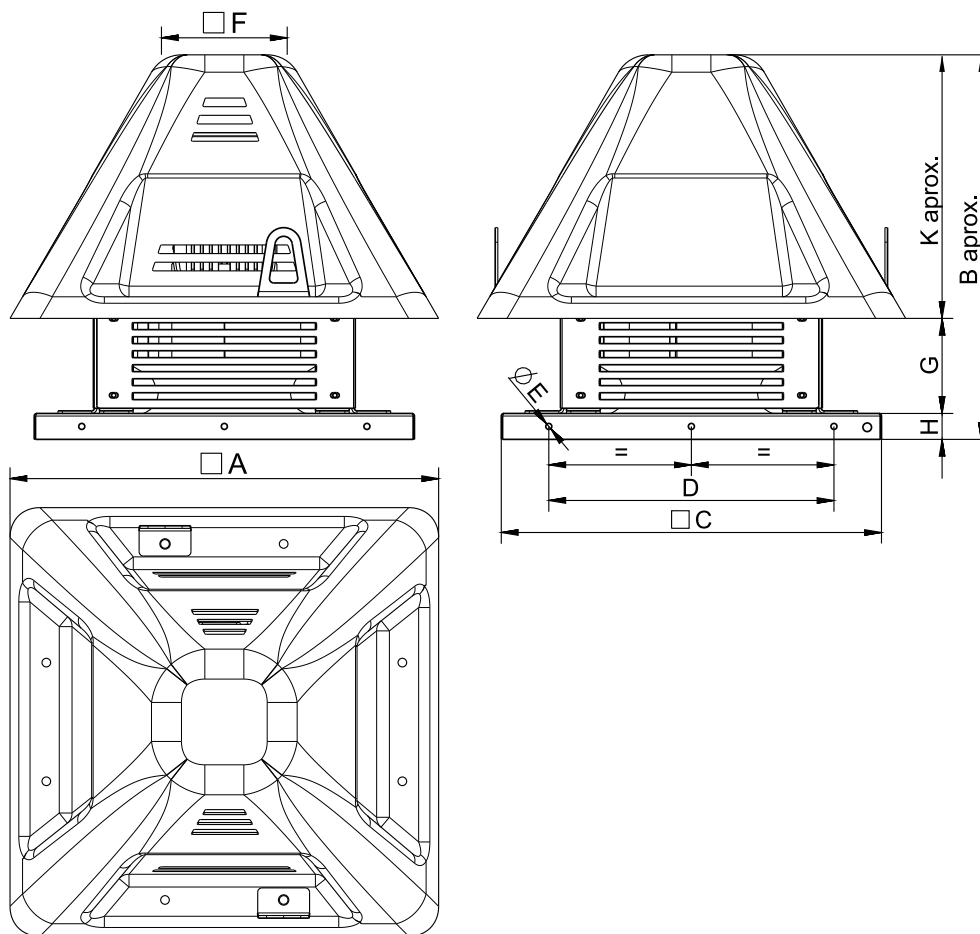
### Three-phase motor / 6 poles

| Code        | Model                  | R.P.M. | Rated I.<br>A 400V | Rated power<br>kW | Max.<br>Airflow<br>m³/h | Sound<br>db (A)** | Weight<br>kg | Connect.<br>diagram |
|-------------|------------------------|--------|--------------------|-------------------|-------------------------|-------------------|--------------|---------------------|
| 279710106XN | CTH3 710 T6 2,2KW ATEX | 930    | 5,2                | 2,20              | 18.940                  | 59                | 340          | 2                   |
| 279800106XN | CTH3 800 T6 4KW ATEX   | 960    | 9,46               | 4,00              | 27.090                  | 62                | 410          | 2                   |

**Notes:**

\*\* Total sound pressure level at the point of maximum flow measured in dB(A) in the suction measured in free field at a distance of 6m from the source

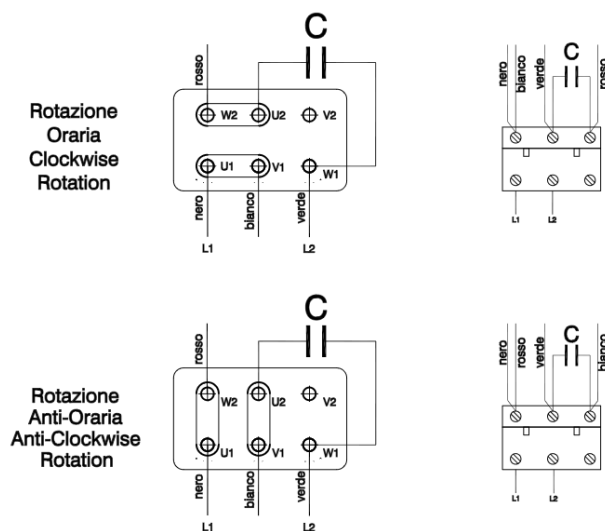
## Dimensions



| Model                   | A      | B aprox | C    | D   | E | F     | G     | H  | K aprox |
|-------------------------|--------|---------|------|-----|---|-------|-------|----|---------|
| CTH3 315 M4 0,25KW ATEX | 616    | 548     | 595  | 450 | 9 | 240,2 | 183   | 40 | 325     |
| CTH3 315 T4 0,25KW ATEX | 616    | 548     | 595  | 450 | 9 | 240,2 | 183   | 40 | 325     |
| CTH3 710 T6 2,2KW ATEX  | 1168,5 | 1118,5  | 1035 | 840 | 9 | 429,6 | 439,5 | 50 | 629     |
| CTH3 800 T6 4KW ATEX    | 1168,5 | 1145    | 1035 | 840 | 9 | 429,6 | 466   | 50 | 629     |

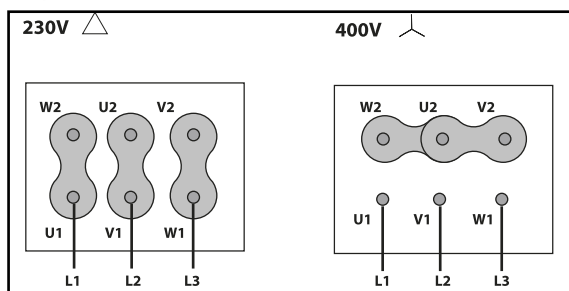
## Wiring diagram

### Wiring diagram N° 1

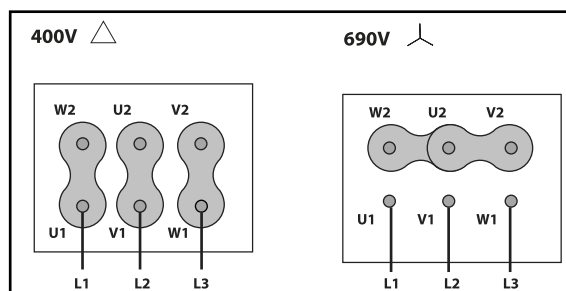


### Wiring diagram N° 2

230/400V



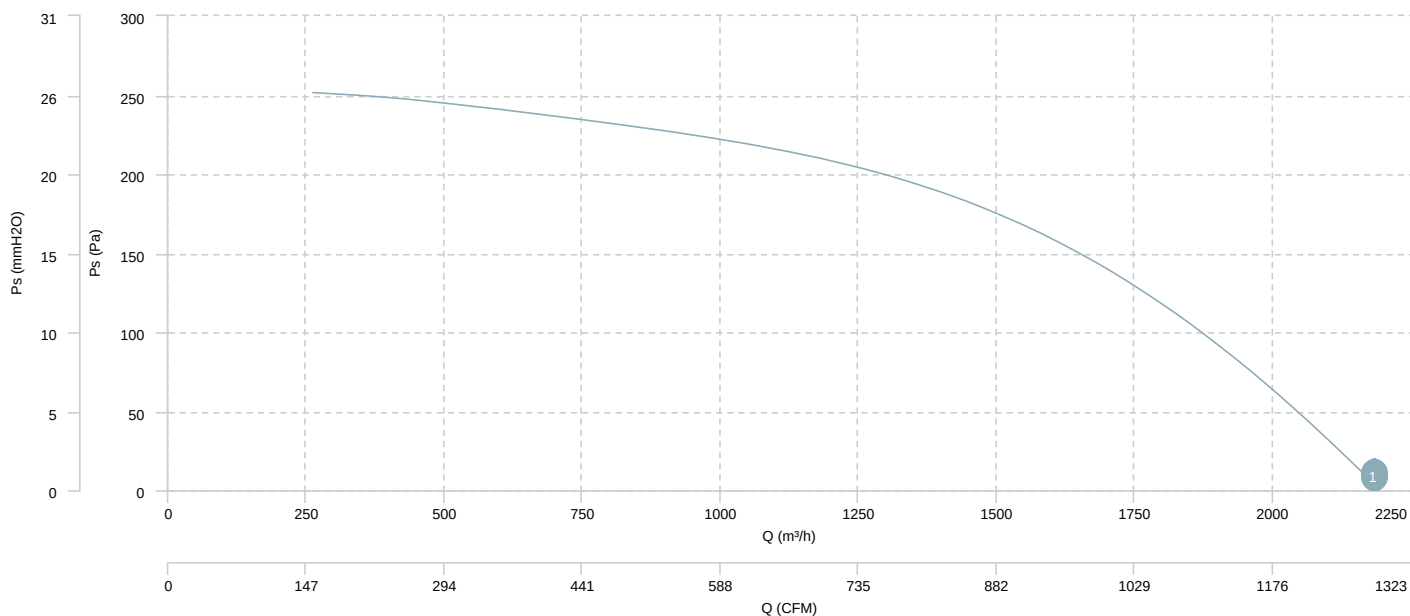
400/690V



## CHARACTERISCTIC CURVE

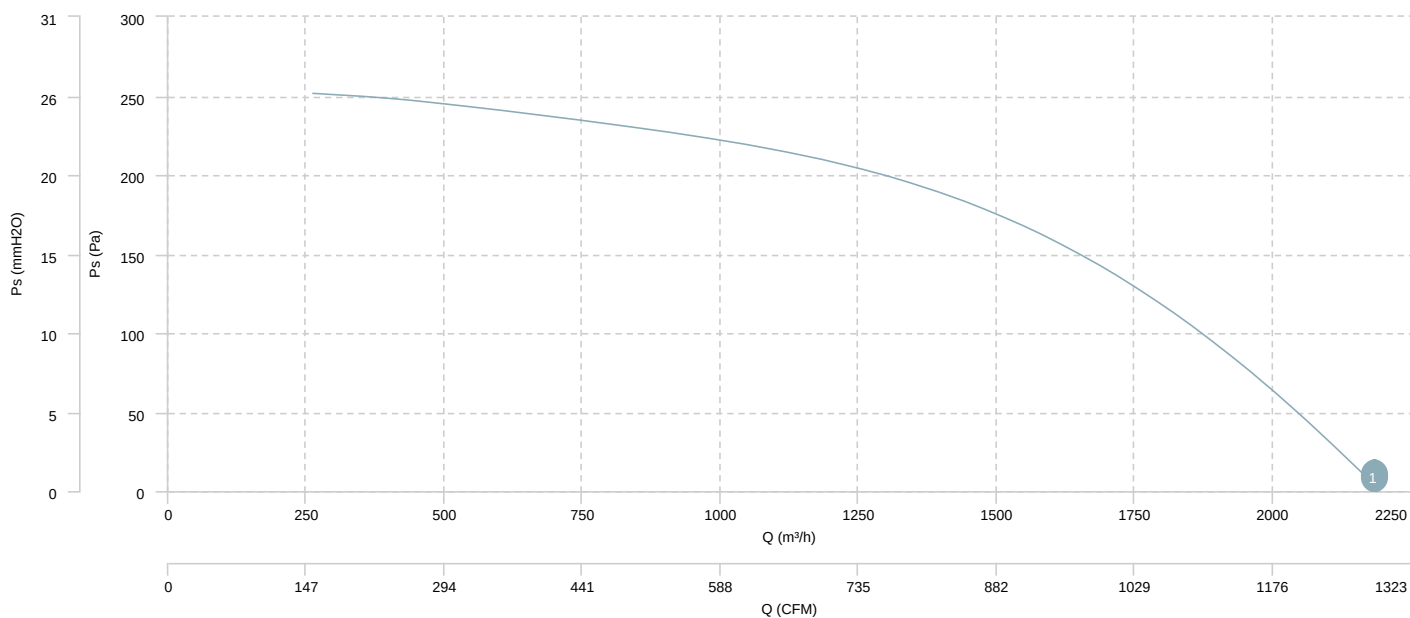
1 CTH3 315 M4 0,25KW  
ATEX

### AIR FLOW - PRESSURE



1 CTH3 315 T4 0,25KW  
ATEX

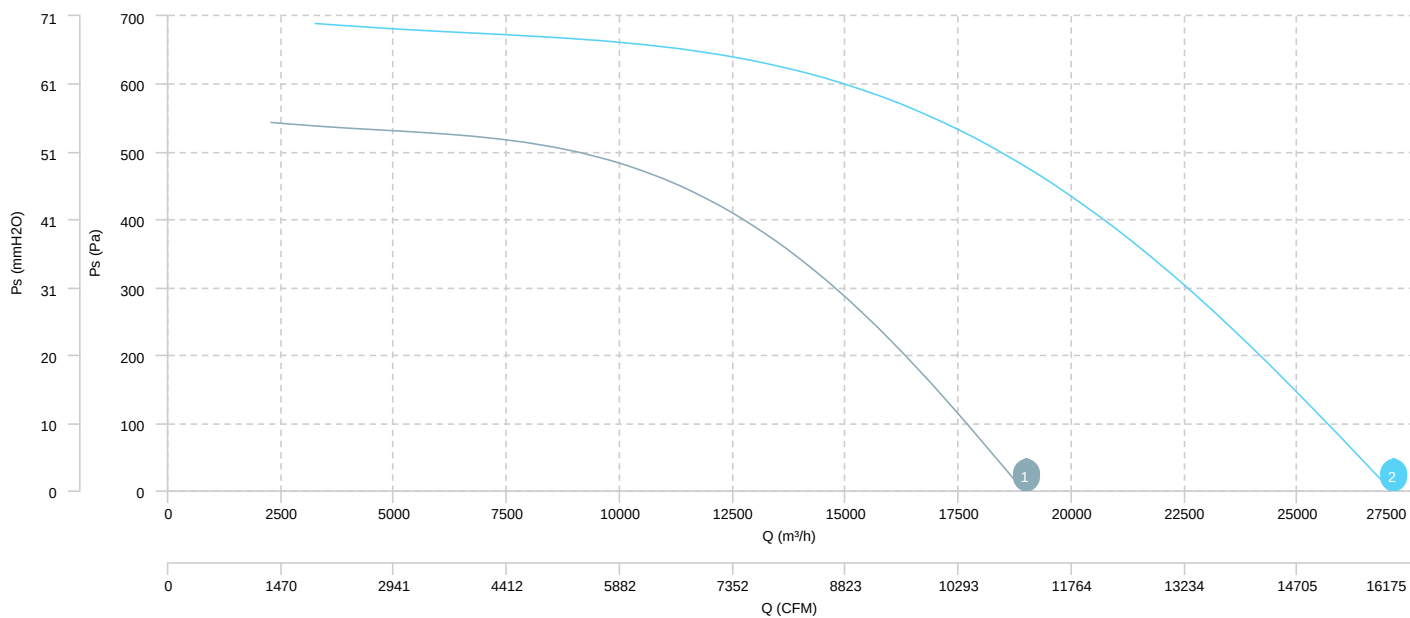
**AIR FLOW - PRESSURE**



1 CTH3 710 T6 2,2KW ATEX

2 CTH3 800 T6 4KW ATEX

**AIR FLOW - PRESSURE**



## Sound data

### Sound / 4 poles

| Sound power Lw dB (A)   |       |       |        |        |        |         |         |         |         |       |
|-------------------------|-------|-------|--------|--------|--------|---------|---------|---------|---------|-------|
| Model                   |       | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | 8000 Hz | Total |
| CTH3 315 M4 0,25KW ATEX | Inlet | 46    | 54     | 59     | 62     | 63      | 62      | 58      | 55      | 69    |
| CTH3 315 T4 0,25KW ATEX | Inlet | 46    | 54     | 59     | 62     | 63      | 62      | 58      | 55      | 69    |

### Sound / 6 poles

| Sound power Lw dB (A)  |       |       |        |        |        |         |         |         |         |       |
|------------------------|-------|-------|--------|--------|--------|---------|---------|---------|---------|-------|
| Model                  |       | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | 8000 Hz | Total |
| CTH3 710 T6 2,2KW ATEX | Inlet | 62    | 70     | 75     | 78     | 79      | 77      | 74      | 71      | 85    |
| CTH3 800 T6 4KW ATEX   | Inlet | 66    | 74     | 78     | 82     | 83      | 81      | 78      | 75      | 88    |