

# CTH3-A 400 T4 0,75KW ATEX Zone 2: FAN (Ex h IIB T3 Gc) + MOTOR (Ex ec IIC T3 Gc) (279400106AXN)

## GENERAL DATA



ROOF FAN, AL COWL ATEX

### MANUFACTURING FEATURES

- Roof cowl made of aluminium
- 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

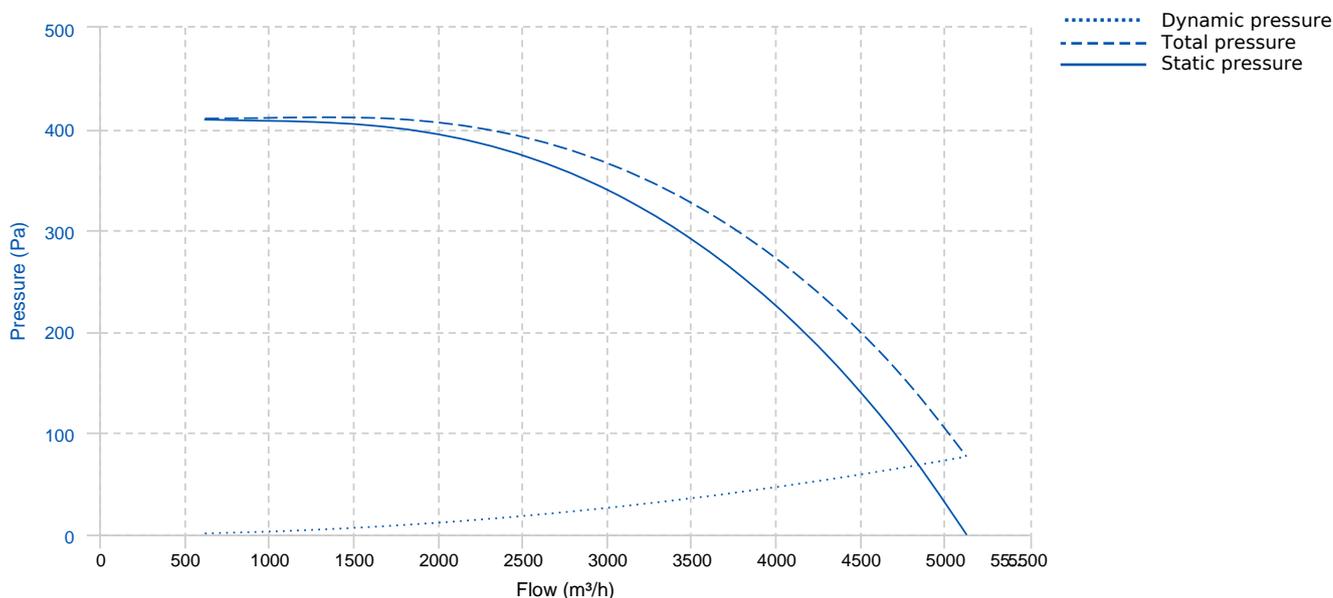
Ventilation in indoor environments classified as ATEX. Specially designed for roof installation, they are suitable for:

- 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 classification.

### UNDER REQUEST

- 60Hz and special voltages.

## PERFORMANCE CURVE



## TECHNICAL DATA

### Fan

|     |      |                |       |           |           |
|-----|------|----------------|-------|-----------|-----------|
| RPM | 1410 | Approx. weight | 42 kg | Max. Flow | 5130 m³/h |
|-----|------|----------------|-------|-----------|-----------|

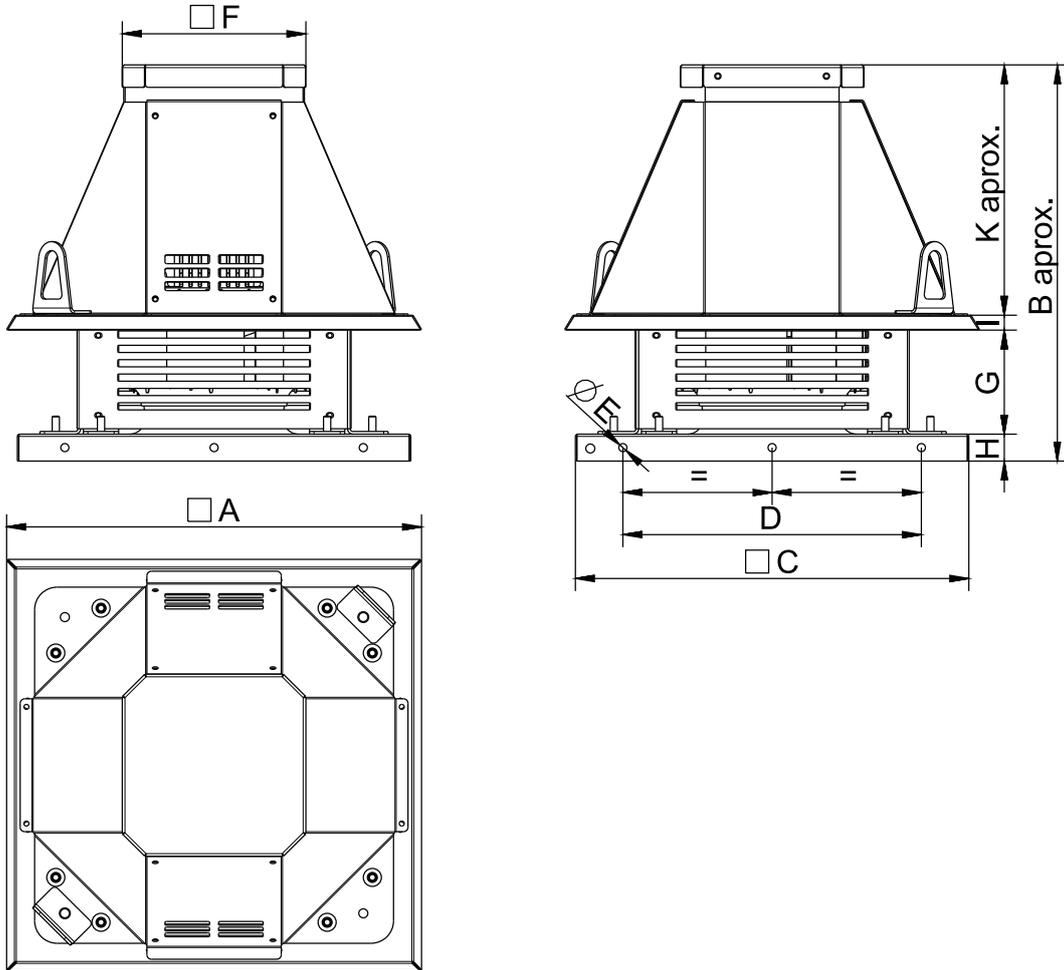
### Motor

|       |         |     |      |               |       |      |    |
|-------|---------|-----|------|---------------|-------|------|----|
| Power | 0,75 kW | RPM | 1410 | I max. (400V) | 2,1 A | Size | 80 |
|-------|---------|-----|------|---------------|-------|------|----|

## Motor

|                |       |                |      |    |      |
|----------------|-------|----------------|------|----|------|
| Approx. weight | 11 kg | Efficiency (%) | 68 % | FP | 0.75 |
|----------------|-------|----------------|------|----|------|

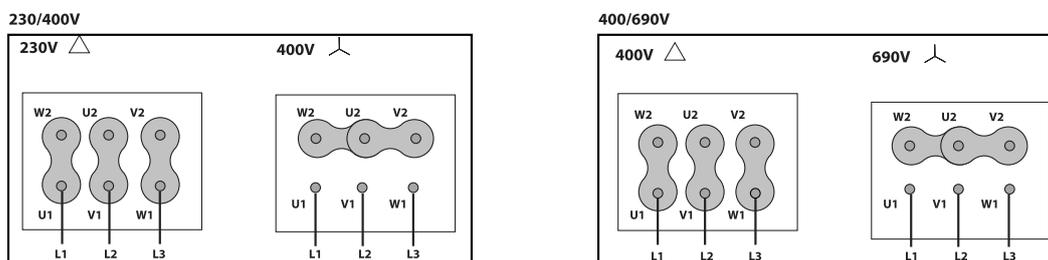
## DIMENSIONS



## Dimensions (mm)

|   |       |         |        |   |     |   |       |         |        |
|---|-------|---------|--------|---|-----|---|-------|---------|--------|
| A | 664,4 | B aprox | 702,75 | C | 665 | D | 520   | E       | 9      |
| F | 253   | G       | 268,75 | H | 40  | I | 30,75 | K aprox | 363,25 |

## WIRING DIAGRAM



## ACCESSORIES



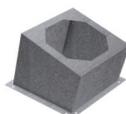
**SAFETY SWITCH**  
**INT 25 3P A**  
**REF: INT253PA**



**ATEX SWITCH**  
**INT 16 ATEX**  
**REF: 510200016X**

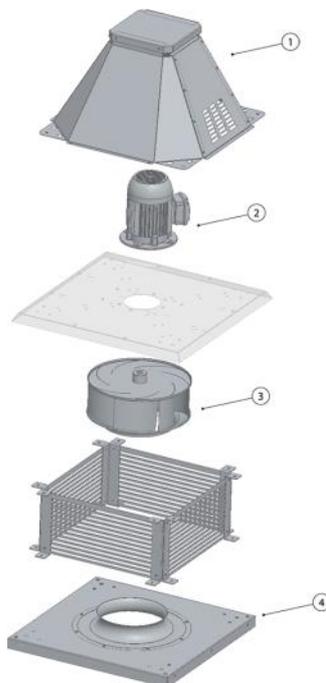


**FREQUENCY SPEED CONTROLLER**  
**SFC 400 III 2,2A \***  
**REF: SFC400III2**



**INCLINED ROOF FAN SUPPORT**  
**BTI 640**  
**REF: A-50870640XX**

## SPARE PARTS



|   | Code        | Model                             | Qty |
|---|-------------|-----------------------------------|-----|
| 1 | R-279358491 | ROOF COWL CTH3-A 355-400-450      | x1  |
| 3 | R-279409381 | IMPELLER THRE R63B1 400X140X19 RD | x1  |