



Cylindrical cased axial flow fans

## COMPACT TCBB / TCBT Series - Aluminium Impellers

### Serial Compact Tubular TCBB/TCBT hélice alumínio

**TCBT/6-630/H- (230/400V50HZ)C VX**

Range of cylindrical cased axial flow fans fitted with aluminium impellers and manufactured from high grade rolled galvanised steel and protected against corrosion by cataforesis primer and black polyester paint finish.

All models are supplied with pre-wired wiring junction box located on the outside of the fan casing for easy wiring access.

Available, depending upon the model, with single or three phase motors in 2, 4 or 6 poles.

#### Motors

Single phase motor (TCBB) or three phase motor (TCBT).

Models 250, 315, 355 and 400: External rotor motor, IP44, Class F, thermal protection, working temperature from -40°C to +40°C.

Models 450, 500, 560, 630 and 6/710: IP65, Class F, thermal protection, working temperature from -40°C to +70°C.

Models 4/710 and 800: IP55, Class F, working temperature from -40°C to +40°C.

All motors are speed controllable by autotransformer except models /4-560H, /4-630, 710 and T/800.

Three phase motors are speed controllable by inverter.

Electrical supplies: Single phase 230V-50Hz.

(Capacitor located inside the wiring terminal box).

Three phase 230/400V-50Hz or 400V-50Hz.

(See characteristic chart).

#### Additional information

Standard air direction: form (B)

configuration

(impeller over motor).

#### On request

Air direction: form (A) configuration (motor over impeller).

From Ø450 to Ø800, three phase motors 2 speed, 4/8 poles.



## Technical data

### Reference

<b>T</b>	<b>C</b>	<b>B</b>	<b>T</b>	<b>/</b>	<b>4</b>	<b>-</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>/</b>	<b>H</b>	<b>-</b>	<b>B</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>V</b>	<b>5</b>	<b>0</b>	<b>Hz</b>				
1	2	3	4		5		6				7		8		9			10				11		

1 - T: Cylindrical cased axial flow fan.

2 - C: Series designation.

3 - Impeller type:

B: Ø 250 - Ø 400 Fixed blade impeller manufactured from aluminium sheet.  
Ø 450 - Ø 800 Adjustable blade aluminium impeller.

4 - Supply type:

B: Single phase.

T: Three phase.

5 - Number of poles:

2: [approx. 2800 rpm - 50 Hz]

4: [approx. 1400 rpm - 50 Hz]

6: [approx. 900 rpm - 50 Hz]

6 - Nominal diameter of fan in mm.

7 - Pitch angle.

8 - Direction of air:

A: Motor over Impeller.

B: Impeller over Motor.

9 - Voltage:

230 V (single phase).

230/400 V (three phase).

400 V (three phase).

10 - Frequency of service: 50 Hz  
60 Hz

11 - Special versions:

2 V: Two speed motors.

4/8 poles of motor for models:

Ø 450 up to Ø 800 mm.

6/12 poles of motor for models from

Ø 710 up to Ø 800 mm.

C: Condensation drain holes on motor.

EX: Explosion proof and flame proof versions.