



Plate mounted axial flow fans

## COMPACT HCBB / HCBT Series - Aluminium impellers

### Serial Compact Mural HCBB/HCBT hélice

#### aluminio

#### HCBB/4-315/H-A (230V50HZ) VE

Range of low profile plate mounted axial fans fitted with aluminium impellers and single phase motor (HCBB) or three phase motor (HCBT), IP65 (1), Class F insulation (2), equipped with thermal protection (3).

(1) Models 800, 900 and 1000 are IP55.

(2) Working temperatures from -40°C up to +70°C. Except models Ø 800, 900 and 1000 suitable for usage in environments from -20°C to +40°C.

(3) Except models Ø 800 to 1000.

#### Motors

Available, depending upon the model, with single or three phase motors in 4 or 6 poles. All motors are speed controllable by autotransformer except models /4-630, B/710, T/4-710, T/800, T/900 and T/1000. Three phase models are speed controllable by inverter.

Electrical supplies: <dd>Single phase 220-240V-50Hz. (Capacitor located inside the wiring terminal box).

Three phase 220-240/380-415V-50Hz or 400V-50Hz (See characteristic chart).

#### Additional Information

Standard air direction: form (A) configuration (Motor over Impeller).

#### On request

Inlet finger proof guard for models 800 to 1000.



## Technical data

### Reference

H	C	F	T	/	4	-	4	0	0	/	H	A		
1	2	3	4		5		6				7	8		9

1 - H: Compact plate axial fan.

2 - C: Series designation.

3 - Impeller type:

F: Ø 250-Ø 630 Fixed blade plastic impeller.

Ø 710 - Ø 1000 Aluminium impeller hub + adjustable plastic blade impellers.

G: Adjustable plastic blade impellers.

B: Ø 250-Ø 400 Fixed blade aluminium impeller Ø 450 - Ø 1000 Adjustable blade aluminium impeller.

4 - Electrical supply:

B: Single phase.

T: Three phase.

5 - Number of poles:

2: (approx. 2900 rpm - 50 Hz)

4: (approx. 1400 rpm - 50 Hz)

6: (approx. 900 rpm - 50 Hz)

6 - Nominal diameter of impeller (mm).

7 - Pitch angle.

H: High.

L: Low.

8 - Direction of air:

A: Motor over impeller.

9 - Special construction:

X: Motor support without inlet finger guard.

L: Weatherproof protected.

C: Condensation drain holes on motor.

EX: Explosion proof versions in accordance to ATEX Directive, for three phase models:

-EXE: Increased safety Ⓢ II2G EExeIIT3

-EXD: Flame proof, only for models 800 and 1000 Ⓢ II2G EExdIIBT5 or EExdIICT4

G: Special corrosion treatment for agricultural applications.

TF: With anticorrosive Teflon paint finish.