



Plate mounted axial flow fans

COMPACT HCFB / HCFT Series - Plastic impellers

Serial Compact Mural HCFB/HCFT hélice plástico

HCGB/4-400/G-A (230V60HZ) VZ

Range of low profile plate mounted axial fans fitted with plastic impellers with fiberglass, single phase motor (HCFB) or three phase motor (HCFT), IP65 (1), Class F insulation (2), equipped with thermal protection (3).

(1) 2 pole motor and Ø 800, 900 and 1000 models are IP55.

(2) Working temperatures from -40°C up to +70°C. Except models 4-710 suitable up to +55°C and models Ø 800 to 1000 suitable for usage in environments from -20°C to +40°C.

(3) Except models 800 to 1000.

Motors

Available, depending upon the model, with single or three phase motors in 2, 4 or 6 poles. All motors are speed controllable by autotransformer except 2 pole and /4-630, 710, T/800, T/900 and T/1000.

Three phase models are speed controllable by inverter.

Electrical supplies: Single phase 220-240V-50Hz.

(Capacitor located inside the wiring terminal box).

Three phase 220-240/380-415V-50Hz or 380-415V-50Hz.

(See characteristic chart).

Additional Information

Standard air direction: form (A) configuration.

(Motor over Impeller).

On request

Inlet finger proof guard for models Ø 800 to 1000.



Technical data

Acoustic characteristics

Technical characteristics

Curves

Dimensions

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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.
I, 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.

ErP Information