

BOX BD PLUS 15/15 T6 2,2kW (252370457)

GENERAL DATA



CENTRIFUGAL FAN IN SOUNDPROOF BOX WITH SANDWICH PANELS

MANUFACTURING FEATURES

- Impellers made of polyamide reinforced with fibreglass.
- BD range fans assembled in soundproof cabinets.
- Ventilation box with 30 mm aluminum profile structure, nylon corners, galvanized sandwich panels with internal insulation rockwool (25mm thickness) class A1 (non-combustible) of 90kg/m³ density. All panels are equipped with "fastening system" for the quick assembly and disassembly whenever required, either for cleaning, maintenance or exchanging of panels.
- Connection gland included.
- Easy access through lateral panel.
- Fan can be placed in any position by exchanging panels.
- Closed motors specially designed by Casals. Extruded aluminium motor housing. Totally enclosed terminal box on the motor IP 65 protection and motor with IP54 protection and Class F insulation. Standard voltages 230V 50Hz for single phase and 230/400V 50Hz for three phase motors.

APPLICATIONS

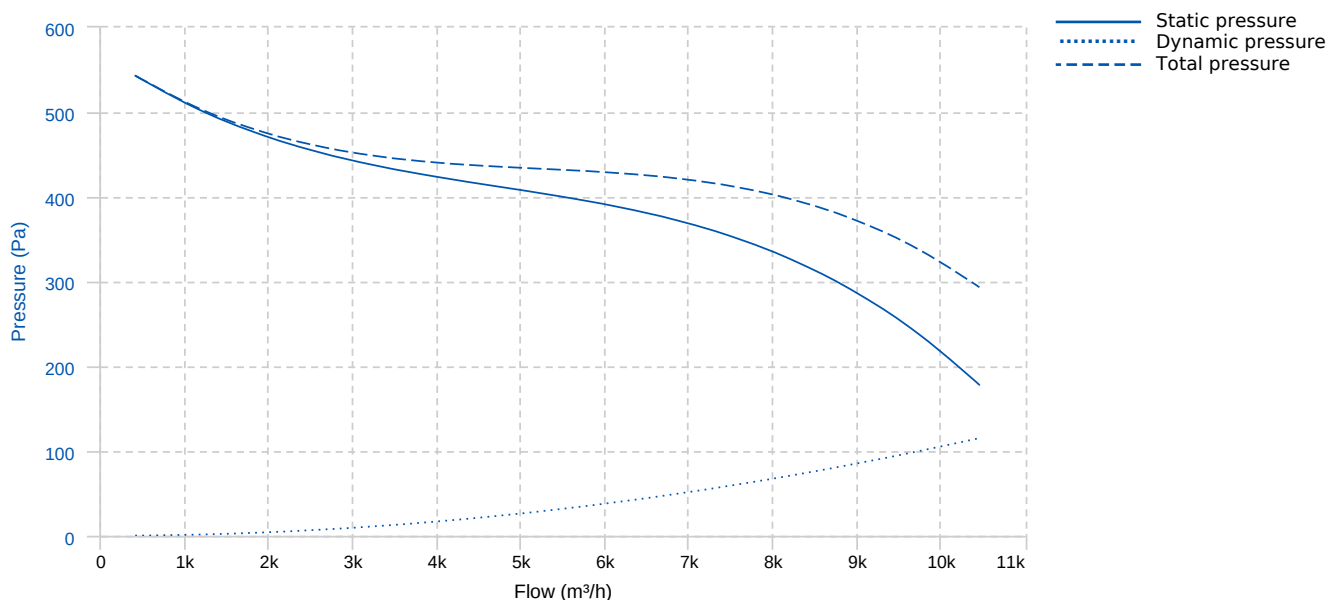
Designed for inline installation, indoor or outdoor assembly, they are suitable for:

- Air renewal in buildings and industries.
- Maximum working temperature: 50°C.

UNDER REQUEST

- 3 speed fans.
- Impeller made of galvanized sheet.
- Rectangular outlet flange.

PERFORMANCE CURVE

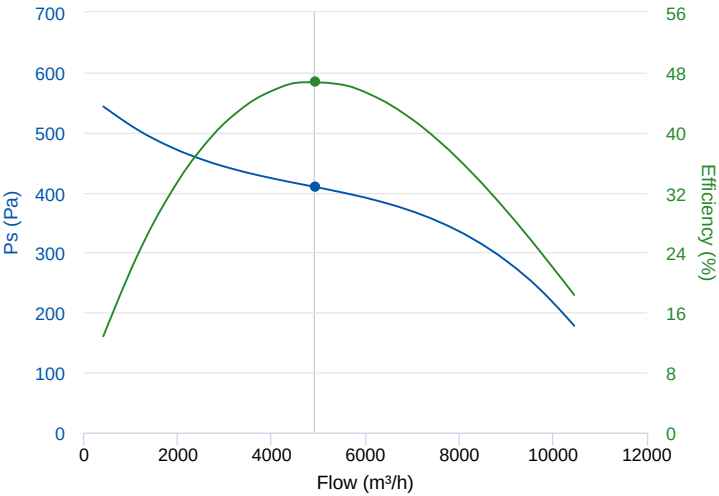


TECHNICAL DATA

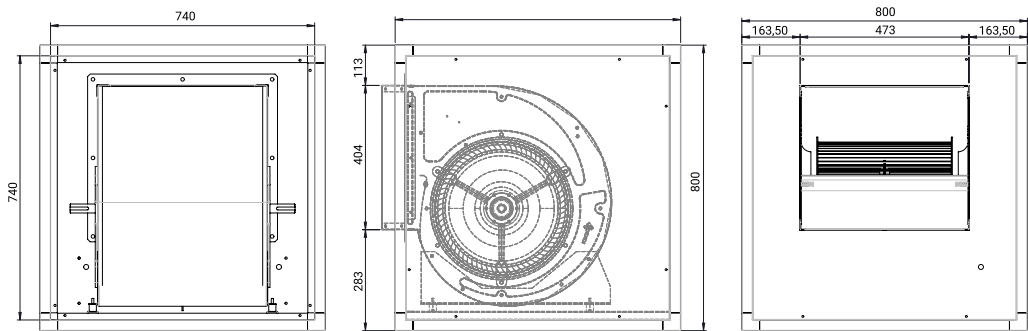
Fan							
RPM	900	Approx. weight	78 kg	Max. Flow	10460 m³/h		
Motor							
Power	2,2 kW	RPM	900	I max. (230V)	10,92 A	I max. (400V)	6,31 A
Size	STC100	Approx. weight	17 kg	Efficiency (%)	83.5 %		

ERP DATA

Fan data sheet		
Fan type	Unit for non-residential ventilation (LOT 6)	
Typology	Unidirectional	
reports.other	None	
Type of driver	None	
Motor power (kW)	2.2	
	Fan values	ERP Requirements 2018
Max. efficiency (%)	46.74	43.03
Effic. Heat recovery (%)	-	
Pabs (kW)	1.18	
Flow (m³/h)	4932.8	
Static pressure (Pa)	409.21	
Speed (m/s)	6.54	
SFP (W/m3/s)	861.45	

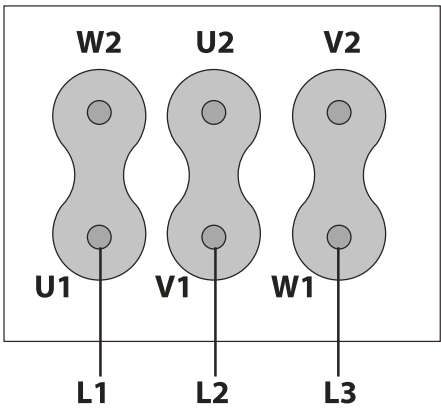


DIMENSIONS

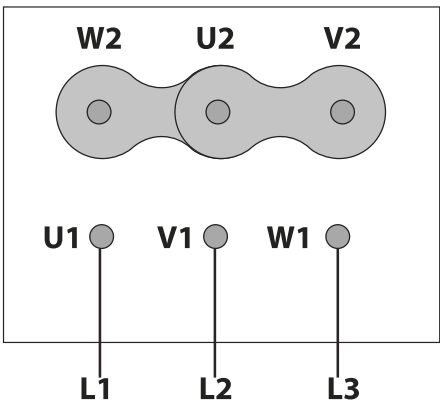


WIRING DIAGRAM

230V 



400V 



ACCESSORIES



SAFETY SWITCH
INT 25 3P A
REF: INT253PA



OUTDOOR FLANGE WITH BIRD GUARD
VIS OUT 15
REF: 960000053



EXTERNAL BOX FILTER
BOX FILTER 800x800x300
REF: 252378471



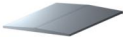
CELL FILTER WITH GALVANIZED FRAME
FILT ISO Coarse≥60% (369x690x48) PREFILTRO
MARCO CHAPA
REF: FILTG04011



HIGH EFFICIENCY, RIGID AND COMPACT FILTER
FILT ePM1≥50% (369x690x48) ALTA EFIC. PANEL
MINIPLEGADO
REF: FILTF07024



HIGH EFFICIENCY, RIGID AND COMPACT FILTER
FILT ePM1≥80% (369x690x48) ALTA EFIC. PANEL
MINIPLEGADO
REF: FILTF09022

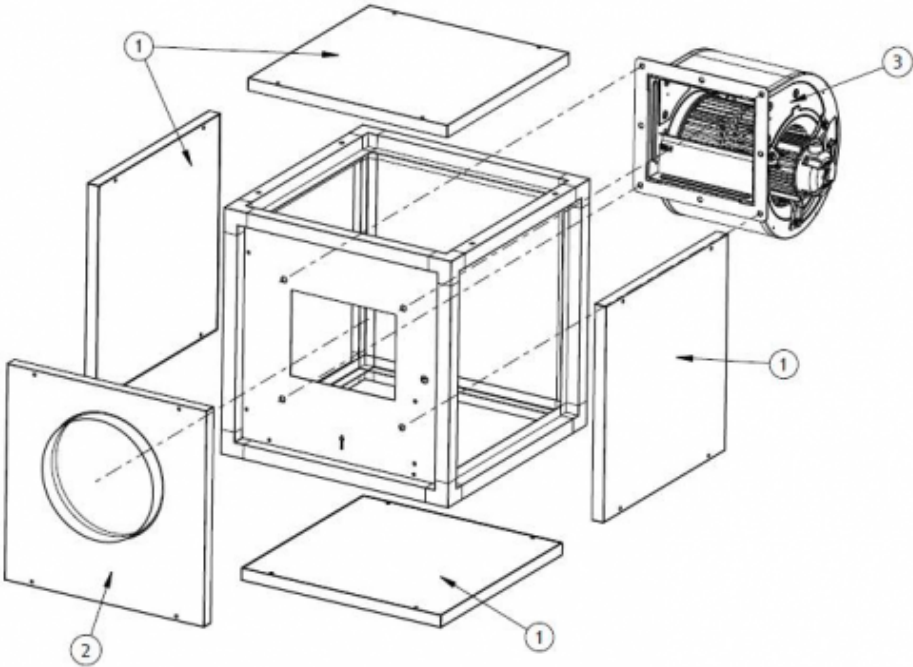


WEATHER PROTECTIVE ROOF FOR VENTILATION
BOXES
TEJ BOX BD PLUS 15/15
REF: A-252371013



FREQUENCY SPEED CONTROLLER
SFC 400 III 8A *
REF: SFC400III8

SPARE PARTS



	Code	Model	Qty
1	R-252371931R	PANNEL BOX BD-BV PLUS 15/15	x4
3	R-252370106A002	FAN BD 15/15 T6 2,2kW+MBI	x1