

BOX BD PLUS 12/9 T6 1,1kW (251600451)

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

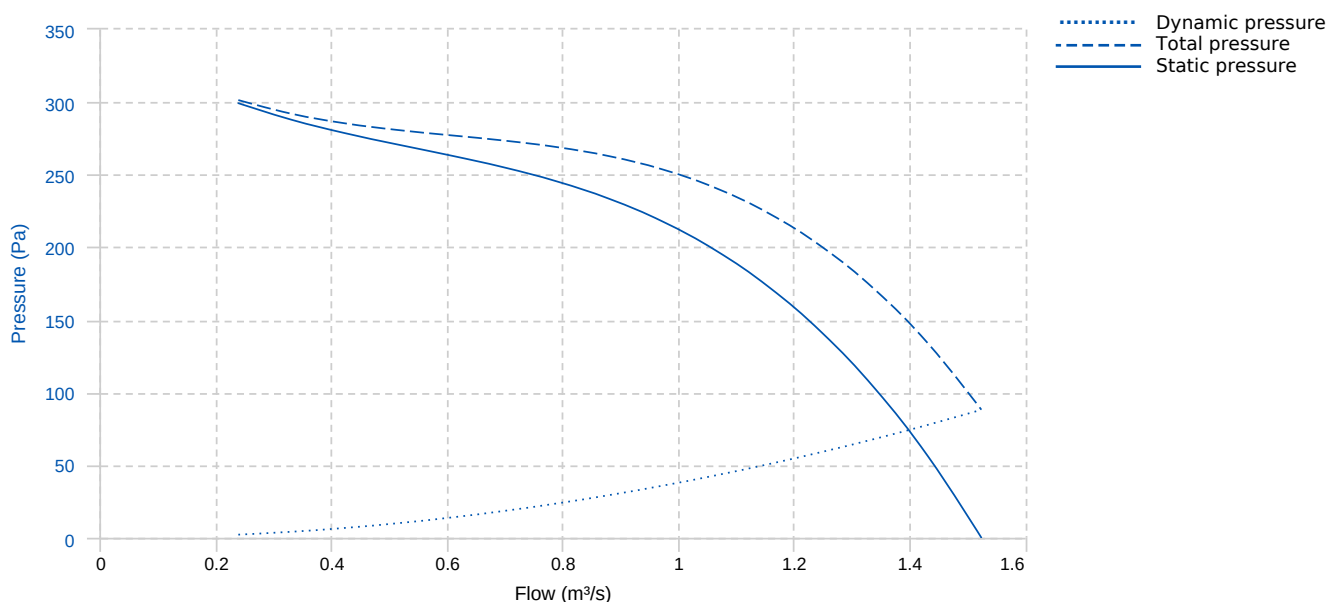
Designed for inline installation, indoor or outdoor assembly, they are suitable for:

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

UNDER REQUEST

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

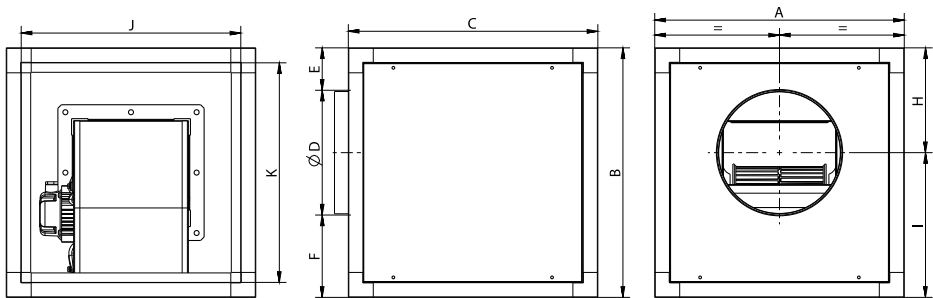
PERFORMANCE CURVE



TECHNICAL DATA

Fan							
RPM	945	Approx. weight	53 kg	Max. Flow	1.53 m³/s		
Motor							
Power	1,1 kW	RPM	945	I max. (230V)	6,54 A	I max. (400V)	3,78 A
Size	STC90	Approx. weight	10.6 kg	Efficiency (%)	78.1 %	FP	0.71

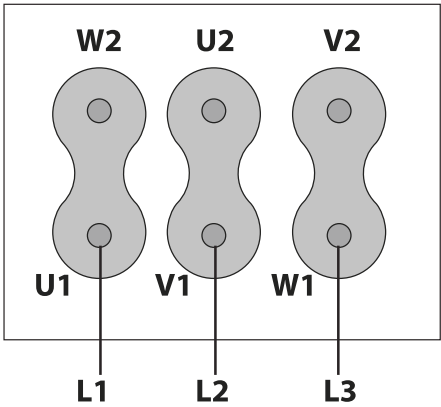
DIMENSIONS



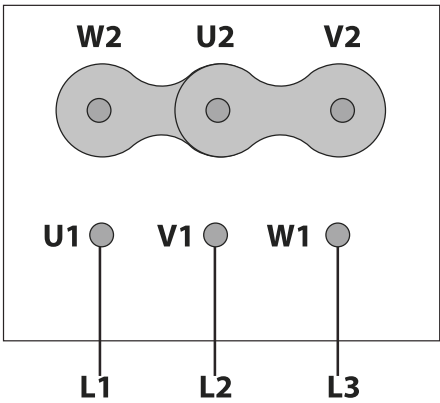
Dimensions (mm)									
A	700	B	700	C	700	D	400	E	105
F	195	H	305	I	395	J	640	K	640

WIRING DIAGRAM

230V 



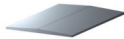
400V 



ACCESSORIES



SAFETY SWITCH
INT 25 3P A
REF: INT253PA



WEATHER PROTECTIVE ROOF FOR VENTILATION BOXES
TEJ BOX BD PLUS 12/12
REF: A-251521012



EXTERNAL BOX FILTER
BOX FILTER 700x700x300
REF: 251528471



CELL FILTER WITH GALVANIZED FRAME
FILT ISO Coarse≥60% (638x590x48) PREFILTRO
MARCO CHAPA
REF: FILTG04019



HIGH EFFICIENCY, RIGID AND COMPACT FILTER
FILT ePM1≥50% (638x590x48) ALTA EFIC. PANEL
MINIPLEGADO
REF: FILTF07030



HIGH EFFICIENCY, RIGID AND COMPACT FILTER
FILT ePM1≥80% (638x590x48) ALTA EFIC. PANEL
MINIPLEGADO
REF: FILTF09027



INLET/OUTLET ROUND COVER
TIAC BOX BD/BV PLUS 12/9 (Ø400)
REF: A-251601932R



CIRCULAR OUTDOOR FLANGE WITH BIRD GUARD
VISC Ø400
REF: FX0045452

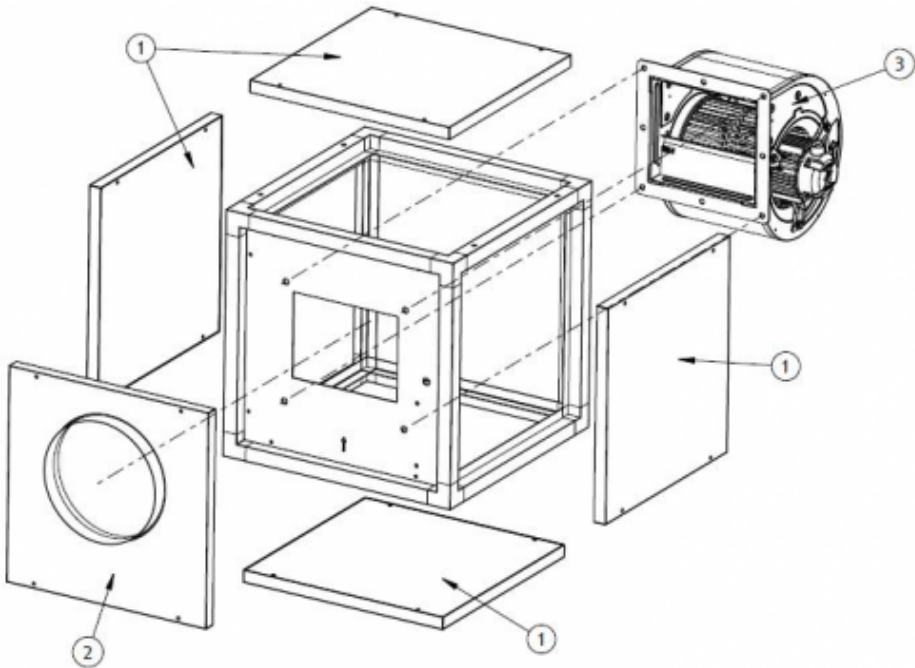


FREQUENCY SPEED CONTROLLER
SFC 230 I 7A *
REF: SFC230I007



FREQUENCY SPEED CONTROLLER
SFC 400 III 5A *
REF: SFC400III5

SPARE PARTS



	Code	Model	Qty
1	R-251521931R	PANNEL BOX BD-BV PLUS 12/12	x4
2	R-251608901R	CIRCULAR CONNECTION BOX BD PLUS 12/9 (Ø400)	x1



	Code	Model	Qty
3	251600161A002	FAN BD 12/9 T6 1,1kW+MBI	x1