

BOX BD 7/7 EEC (251169554EC)

GENERAL DATA



CENTRIFUGAL IN SOUNDPROOF CABINET WITH ELECTRONIC MOTOR

MANUFACTURING FEATURES:

- Impellers made of polyamide reinforced with fiberglass.
- BD EEC range fans assembled in soundproof cabinets with thermo-acoustic insulation, Bs1d0 fire class on the supply panel.
- Fan assembled on antivibration mountings.
- Connection gland included.
- Motor fixing with an exclusive system designed by Casals through flexible arms and silent blocks to avoid vibration. Flexible arms in compliance with the ROHS 2002/95/EC Directive (Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipments).
- PM brushless motor (permanent magnets), synchronous, electronically commutated, high efficiency and low sound level. Specially designed for fans with electronic operation and control in deported box IP65.

Working range: from 400 to 1200-2000rpm (depending on the models)

Motor with IP54 protection and class F insulation. IP 65 drive case

Power: 220V \pm 10% single phase

Power frequency: 50 / 60Hz

Operating temperature range: -20°C to 50°C

Speed control through signal 0-10V or PWM

APPLICATIONS:

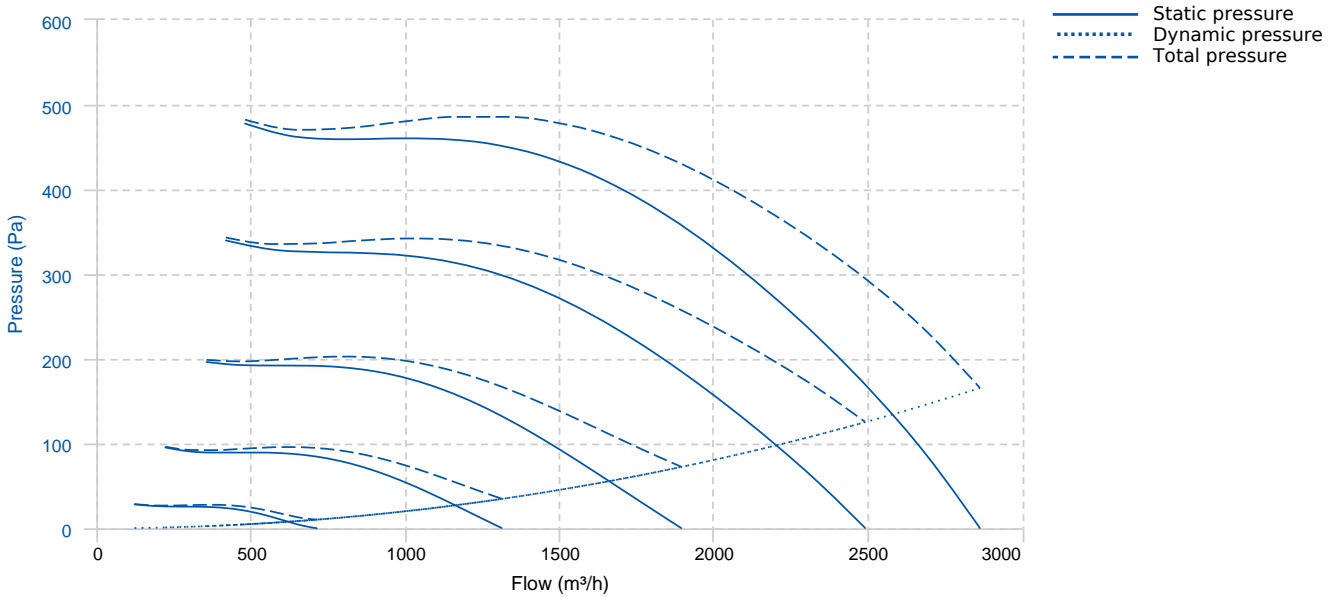
Designed for inline installation, indoor or outdoor assembly, they are suitable for:

- Air renewal in buildings and industries.
- Industrial and professional kitchen hoods. Use in supply or extraction with prior fat filtering.
- Maximum working temperature: 50°C.

UNDER REQUEST:

- LG0 position.
- Impellers made of galvanised steel sheet.

PERFORMANCE CURVE

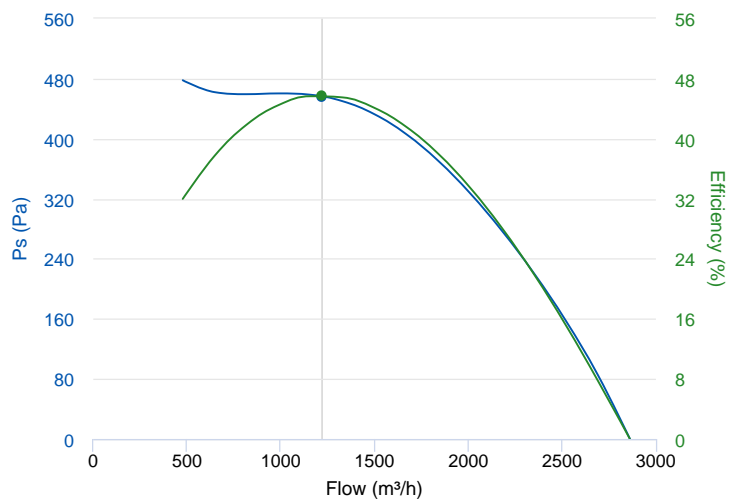


TECHNICAL DATA

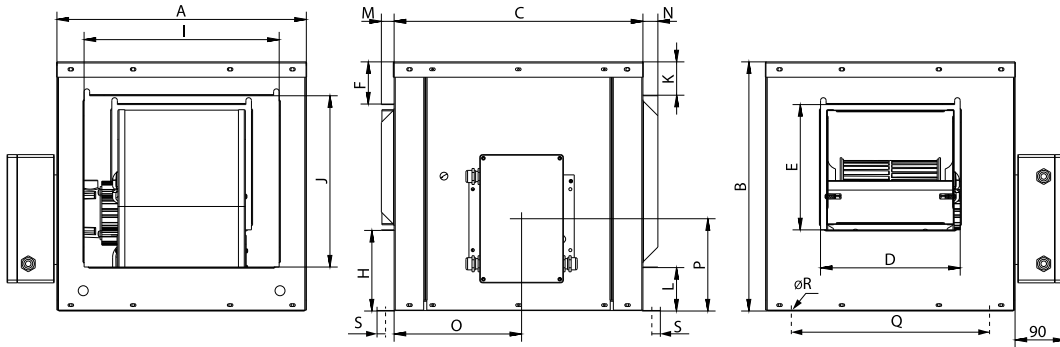
Fan							
RPM	2000	Approx. weight	19 kg	Max. Flow	2870 m³/h		
Motor							
Power	0,37 kW	RPM	2000 (max)	I max. (230V)	5 A	Approx. weight	0 kg

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)	0.37	
	Fan values	ERP Requirements 2018
Max. efficiency (%)	45.75	35.24
Effic. Heat recovery (%)	-	
Pabs (kW)	0.336	
Flow (m³/h)	1222.32	
Static pressure (Pa)	456.43	
Speed (m/s)	7.1	
SFP (W/m3/s)	989.73	



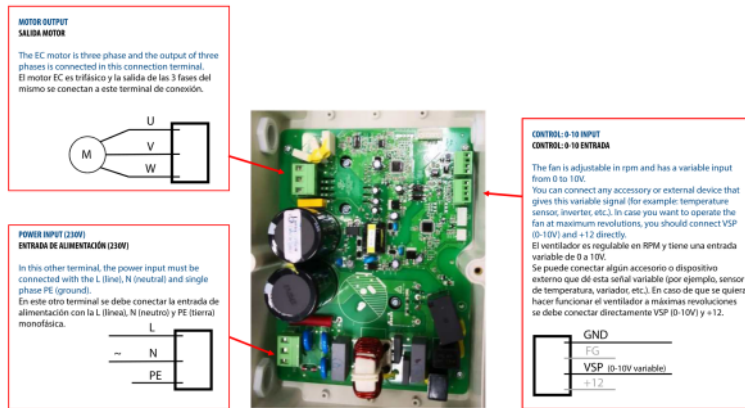
DIMENSIONS



Dimensions (mm)

A	450	B	450	C	450	D	242	E	216
F	81	H	150	I	352	J	309	K	60
L	78	M	23	N	27	O	230	P	166.5
Q	393,5	R	10	S	17				

WIRING DIAGRAM



ACCESSORIES




SAFETY SWITCH
INT 25 3P A
REF: INT253PA




METALLIC GRAVITY SHUTTER FOR CABINET FANS. CERTIFIED 400°C/2H
PI 19/19 (7/7)
REF: 970190100




INLET BLIND COVER
TCA 6
REF: 960001111



INLET/OUTLET ROUND COVER
TIAC 1 (OUT)
REF: 960001351




INLET/OUTLET ROUND COVER
TIAC 12 (IN)
REF: 960001362




OUTDOOR FLANGE WITH BIRD GUARD
VIS IN 7
REF: 960000051



SPEED CONTROLLER FOR EEC MOTOR
REGC
REF: FX263300



RECTANGULAR-CIRCULAR FLANGE **ANTI-VIBRATION**
BAC 1 (OUT 7/7)
REF: 960002951



RECTANGULAR-CIRCULAR FLANGE **ANTI-VIBRATION**
BAC 12 (IN BOX BD/BV 7/7)
REF: 960002962



OUTDOOR FLANGE WITH BIRD GUARD
VIS OUT 7
REF: 960000059