

BOX BD 12/12 EEC (251529554EC)

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.
- 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:

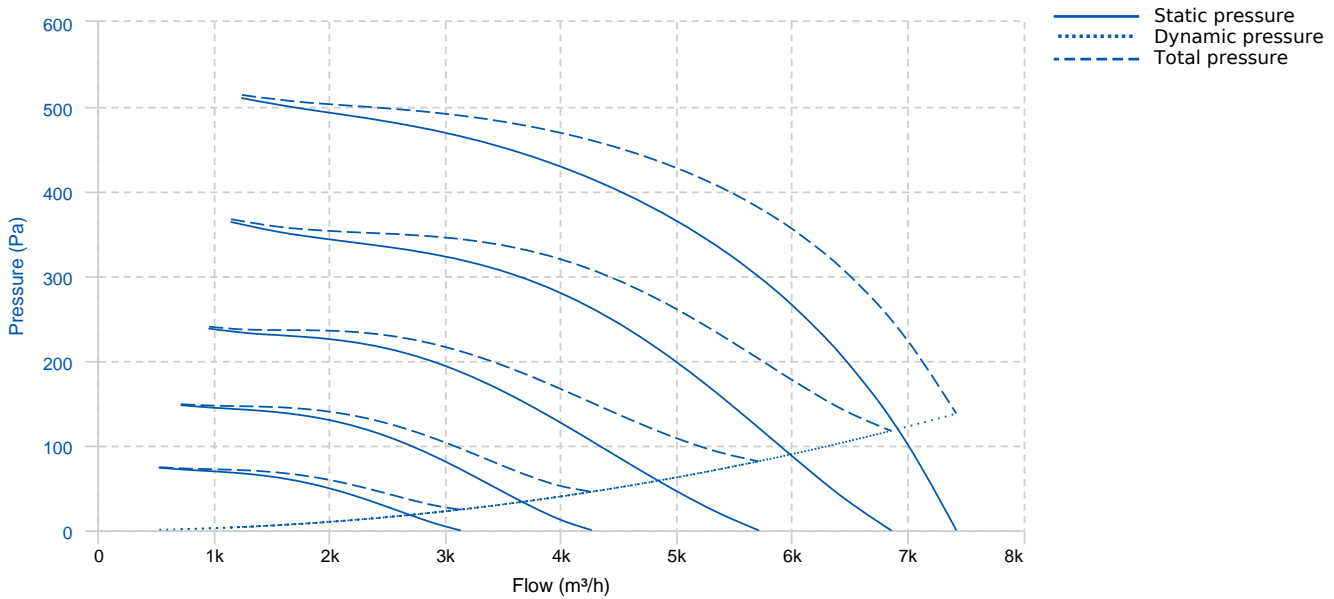
Designed for inline installation, indoor or outdoor assembly, they are suitable for:

- Air renewal in buildings and industries.
- Industrial and professional kitchen hoods.
- Maximum working temperature: 50°C.

UNDER REQUEST:

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

PERFORMANCE CURVE



TECHNICAL DATA

Fan

RPM	1200	Approx. weight	54 kg	Max. Flow	7420 m³/h
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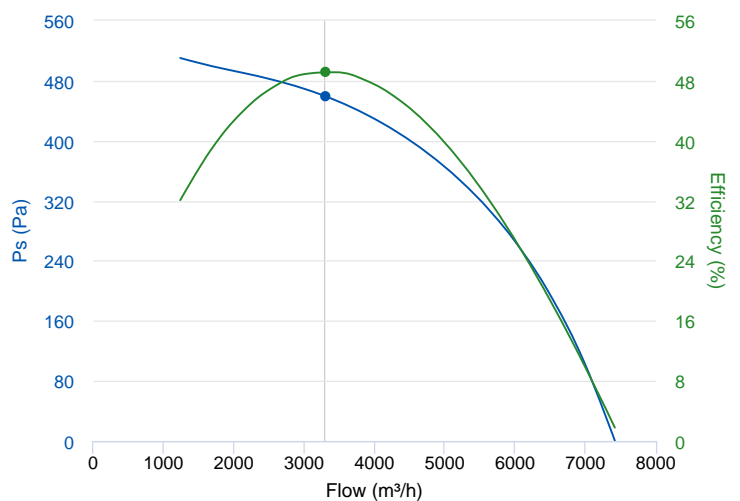
Motor

Power	1,5 kW	RPM	1200 (máx)	I max. (230V)	10 A	Approx. weight	0 kg
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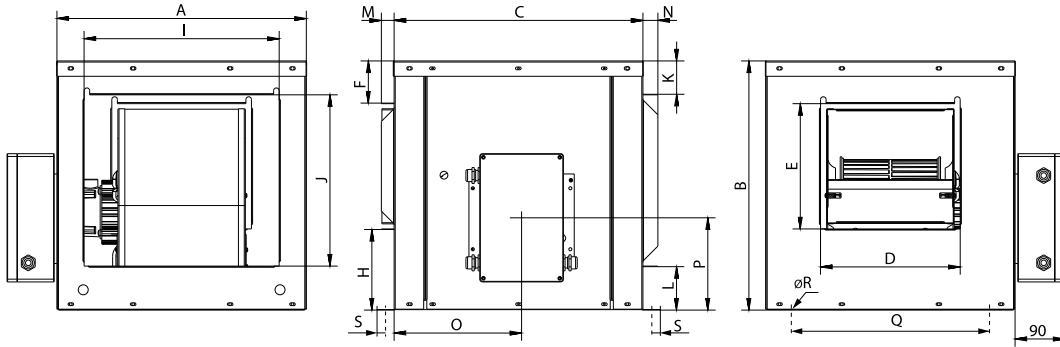
ERP DATA

Fan data sheet

Fan type	Unit for non-residential ventilation (LOT 6)	
Typology	Unidirectional	
reports.other	None	
Type of driver	None	
Motor power (kW)	1.5	
	Fan values	ERP Requirements 2018
Max. efficiency (%)	49.19	41.38
Effic. Heat recovery (%)	-	
Pabs (kW)	0.904	
Flow (m³/h)	3298.74	
Static pressure (Pa)	459.41	
Speed (m/s)	6.74	
SFP (W/m3/s)	986.73	



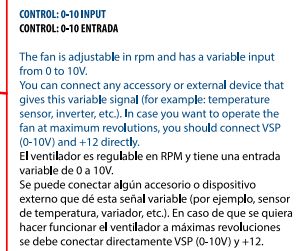
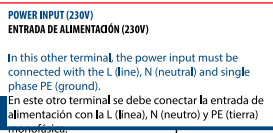
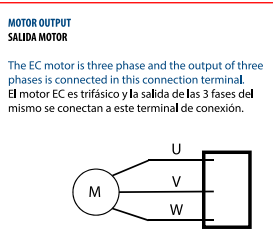
DIMENSIONS



Dimensions (mm)

A	650	B	650	C	650	D	408	E	349
F	83	H	216	I	576	J	500	K	65
L	83	M	23	N	27	O	240	P	241.6
Q	592,4	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 33/33 (12/12)
REF: 970330100

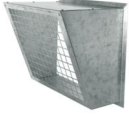
INLET BLIND COVER
TCA 9
REF: 960001114



INLET/OUTLET ROUND COVER
TIAC 4 (OUT)
REF: 960001354



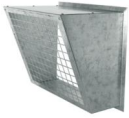
OUTDOOR FLANGE WITH BIRD GUARD
VIS OUT 12
REF: 960000052



INLET/OUTLET ROUND COVER
TIAC 15 (IN)
REF: 960001365



OUTDOOR FLANGE WITH BIRD GUARD
VIS IN 12
REF: 960000054



SPEED CONTROLLER FOR EEC MOTOR
REGC
REF: FX263300

RECTANGULAR-CIRCULAR
FLANGE
BAC 4 (OUT 12/12)
REF: 960002954



ANTI-VIBRATION



RECTANGULAR-CIRCULAR
FLANGE
BAC 15 (IN BOX BD/BV 12/12)
REF: 960002965

ANTI-VIBRATION

SPARE PARTS

	Code	Model	Qty
1	301002300LP4	MOTOR EEC1500 LP Ø5/8"	x1
2	301002204R120	ELECTRONICAL DEVICE EEC1500 1200RPM	x1
3	251529383	TURBINE PA6 BD12/12	x1