

BD 12/12 EEC (251609261C120)

GENERAL DATA



DOUBLE INLET CENTRIFUGAL FAN WITH ELECTRONIC MOTOR EEC

MANUFACTURING FEATURES

- Galvanised steel sheet housing.
- Polyamide impeller reinforced with fibreglass in models 7/7, 9/9, 10/10 and 12/12.
- Galvanised steel sheet impeller for all range.
- Double inlet forward curved impeller.
- Supplied with mounting feet (included in price).

• 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

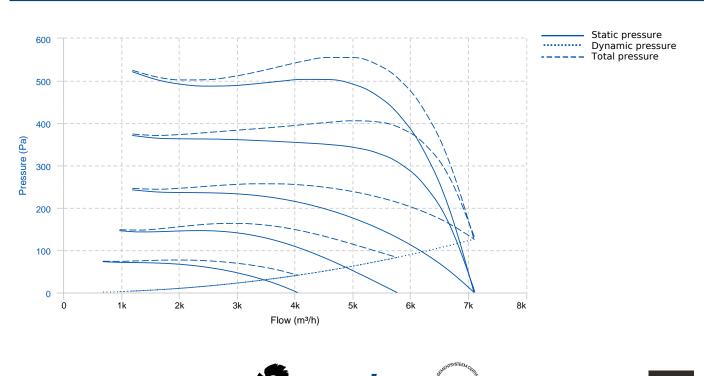
Designed for assembly in equipment:

- Ventilation boxes and air handling units.
- Centrifugal heaters.
- Industrial and professional kitchen hoods.
- Maximum working temperature: 50°C.

UNDER REQUEST

- Galvanized sheet impeller
- MBI assembled

PERFORMANCE CURVE



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casa

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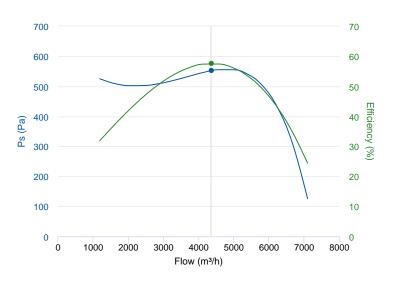


TECHNICAL DATA



ERP	DATA

Fan data sheet				
Fan type	Centrifugal fan radial or forward blades			
Installation category	B: Inlet free,	Ducted outlet		
Efficiency category	Total			
The fan has to be installed with VF	Νο			
Motor power (kW)	1.5			
	Fan values	ERP Requirements 2015		
Max. efficiency (%)	57.55	43.34		
Efficiency grade (N)	63.21	49		
Pabs (kW)	1.278			
Flow (m ³ /h)	1.278 4360.88			
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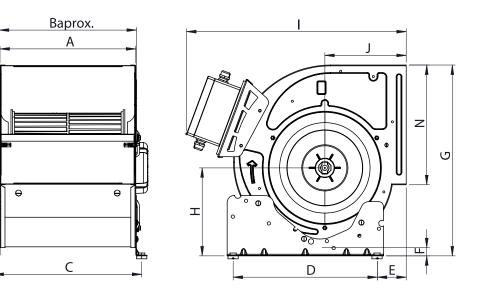
DNV

150 900

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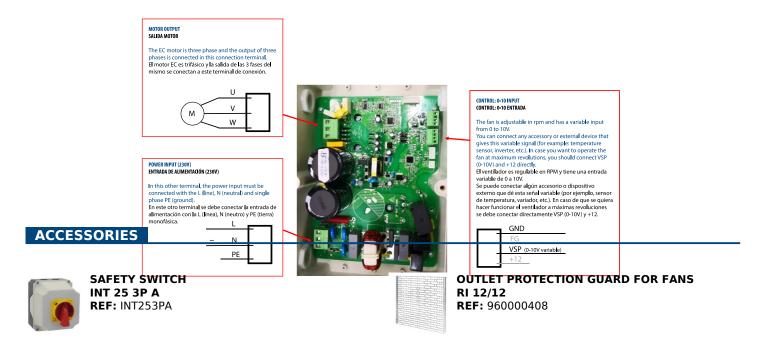


DIMENSIONS



Dimensions (mm)									
А	396	В	416	С	425	D	350	E	77
F	17	G	536	Н	244	l I	590	J	230
Ν	343.5								

WIRING DIAGRAM









INLET PROTECTION GUARD FOR CENTRIFUGAL FANS

RA 12 REF: 960670100



OUTLET FLANGE FOR BD AND BV FANS MBI 12/12 REF: 251521691

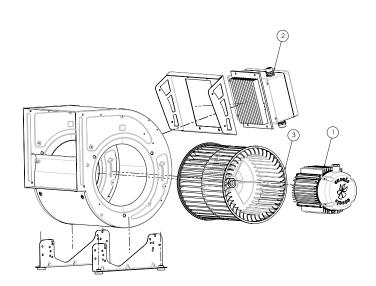


SPEED CONTROLLER FOR EEC MOTOR REGC REF: FX263300



PROTECTION GRID FOR BD FANS, MOTOR SIDE RM 12 (T80) REF: 96000808

SPARE PARTS



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



DNV

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