

BD 7/7 M4 0,15kW

Series general data BD



MANUFACTURING FEATURES:

- Galvanised steel sheet housing.
- Polyamide impeller reinforced with fiberglass in models 7/7, 9/9, 10/10 and 12/12. Galvanised steel sheet impeller in the rest of models.
- Double inlet forward curved impeller in all models except 25/13, with single inlet.
- Supplied with mounting feet (included in price) except cubic models, supported and reinforced by lateral plates.
- Motor fixing with an exclusive system designed by Casals through flexible arms and silent blocks that avoid any 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).
- Closed motors specially designed by Casals: extruded aluminium motor housing, wiring box fit in the motor with IP-65 protection. Motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 230V 50 Hz in single phase motors and 230/400V 50 Hz in three phase motors.
- Motors with controllable voltage speed except three phase motors only controlled by frequency.

APPLICATIONS:

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

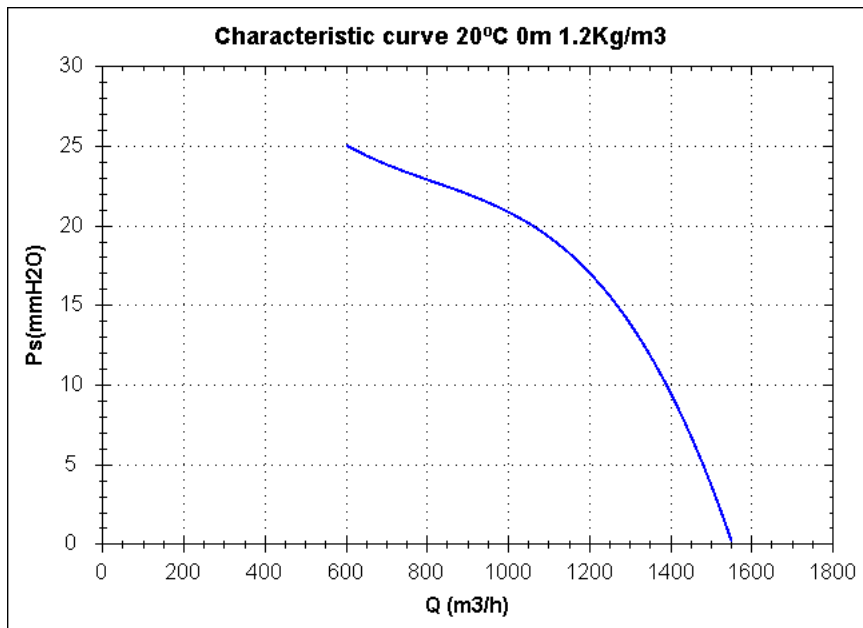
UNDER REQUEST:

- 60Hz fans.
- Fan assembly in the requested position.
- Fan assembly with the requested power.

Series accessories BD



Characteristic curve



Design point

Q (m ³ /h)	
Ps(mmH ₂ O)	

Service point

Impeller rpm	
Max. temp.(°C)	
Q (m ³ /h)	
Ps(mmH ₂ O)	
Pd(mmH ₂ O)	
Pt(mmH ₂ O)	
Air speed(m/s)	

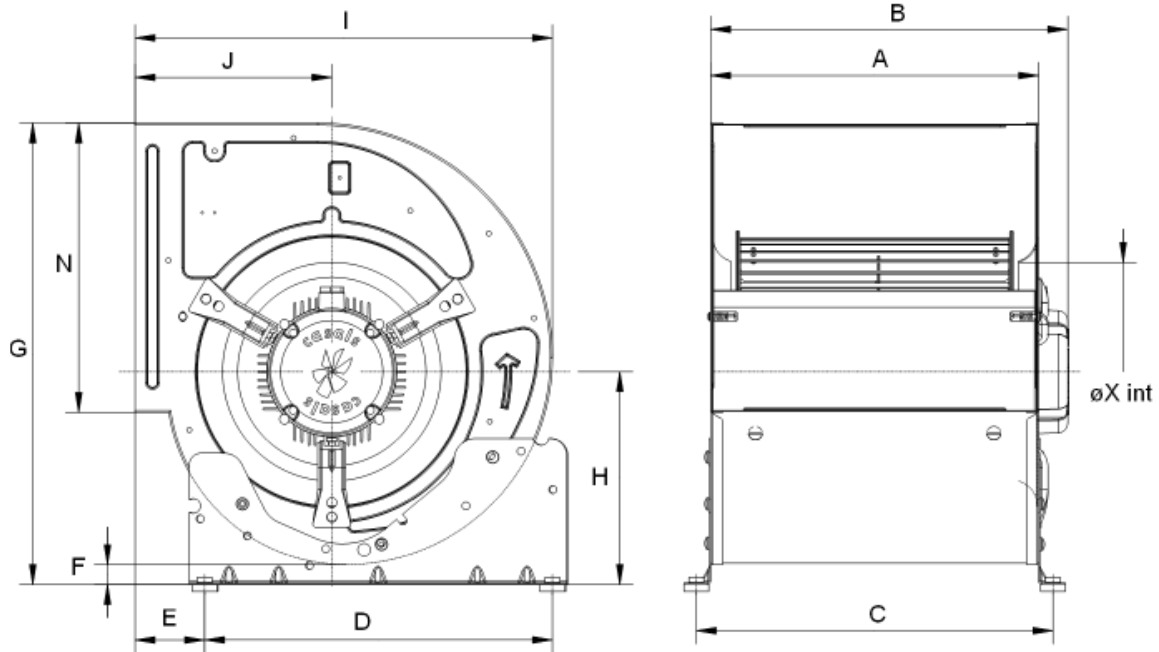
Technical data

Impeller rpm	1300
Motor rpm	1300
Approx. weight(kg)	75
Maximum flow rate(m ³ /h)	1550

Power(kW)	0,15
Imax 230V(A)	1,85
Imax 400V(A)	-
Imax 690V(A)	-

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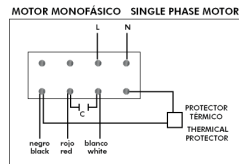
dimensions diagram



Dimensions (mm)

A=230	B máx=297	C=259	D=245	E=48,5	F=9,5	G=337	H=150	I=316	J=153	N=208	X=158
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Wiring diagram



Compatibility chart BD-REG / Tabla de compatibilidad BD-REG

	REG 1.5A	REG 2A	REG 3A	REG 10A
BD 7/7 M4 0,15kW	✓	✓	✓	✓
BD 7/7 M4 0,25kW	✓	✓	✓	✓
BD 9/5 M4 0,25kW	✓	✓	✓	✓
BD 9/7 M4 0,15kW	✓	✓	✓	✓
BD 9/7 M4 0,37kW	✓	✓	✓	✓
BD 9/9 M4 0,55kW	✓	✓	✓	✓
BD 9/9 M4 0,75kW	✓	✓	✓	✓
BD 9/9 M4 0,95kW	✓	✓	✓	✓
BD 10/10 M4 0,55kW	✓	✓	✓	✓
BD 10/10 M4 0,75kW	✓	✓	✓	✓
BD 10/10 M4 0,95kW	✓	✓	✓	✓
BD 10/12 M4 0,75kW	✓	✓	✓	✓
BD 12/12 M4 0,55kW	✓	✓	✓	✓
BD 12/12 M4 0,75kW	✓	✓	✓	✓
BD 12/12 M4 1,1kW	✓	✓	✓	✓

Excesiva motor current / Corriente motor excesiva
 Bad regulation / Mala regulación
 Good regulation / Buena regulación
 Optimum regulation / Óptima regulación