BD 10/10 M4 0,59kW (251320260)

GENERAL DATA



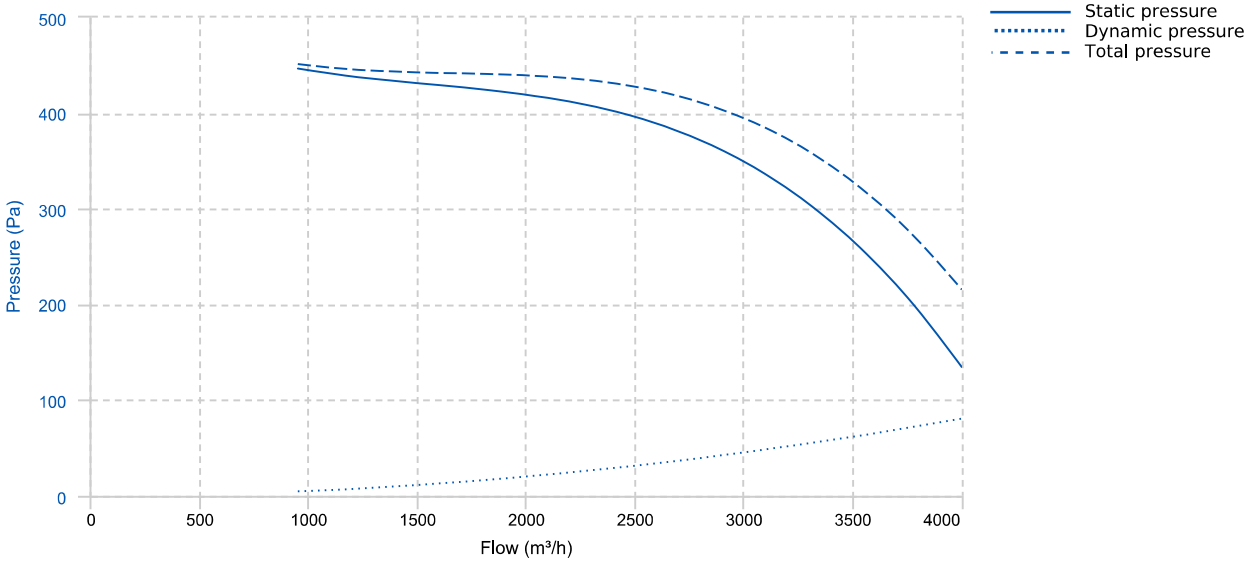
FAN DOUBLE INLET

MANUFACTURING FEATURES:
• Galvanised steel sheet housing.
• Polyamide impeller reinforced with fibreglass in models 7/7, 9/9, 10/10 and 12/12. The impeller of the rest of models are made of galvanised steel sheet.
• Double inlet forward curved impeller in all models.
• Supplied with mounting feet (included in price).
•Exclusive system Casals fixing motor and turbine fan by flexible arms silent blocks to avoid any vibration. Arms in compliance with ROHS regulations 2002/95 / EC (Restriction of Hazardous Substances in electrical and electronic equipment)
•Closed motors specially designed Casals: extruded aluminum housing, all protected inside the terminal box on the motor IP 65 protection and motor with IP54 protection and Class F insulation standard voltages: 230V 50Hz in single phase and 230/400V 50Hz three-phase.
• Single phase motors with controllable voltage speed. Three phase motors controllable using a frecuency speed controller

APPLICATIONS:
Designed for assembly in equipment:
• Ventilation boxes and air handling units.
• Centrifugal heaters.
• Industrial and professional kitchen hoods.
• Maximum working temperature: 50ºC for single phase motors and 60ºC for three phase motors.

UNDER REQUEST
• Impeller made of galvanized steel sheet.
• MBI assembled

PERFORMANCE CURVE

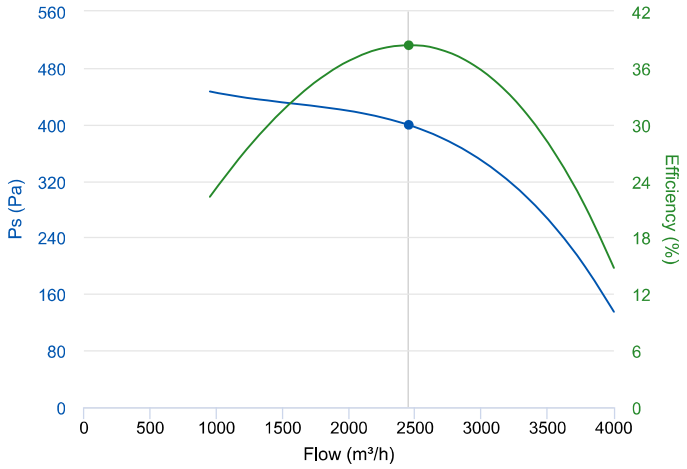


TECHNICAL DATA

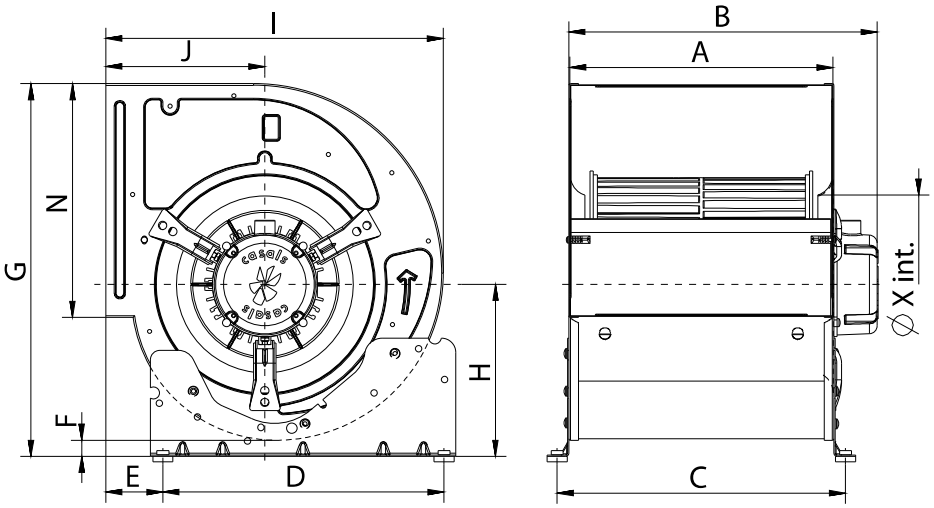
Fan							
RPM	1340	Approx. weight	22 kg	Max. Flow	4010 m³/h		
Motor							
Power	0,59 kW	RPM	1340	Capacitor	28µF 400V	I max. (230V)	4,5 A
Size	STC80	Approx. weight	7.7 kg	Efficiency (%)	68 %	FP	0.96

ERP DATA

Fan data sheet		
Fan type	Centrifugal fan radial or forward blades	
Installation category	A: Outlet and Inlet free discharge	
Efficiency category	Static	
The fan has to be installed with VF	No	
Motor power (kW)	0.59	
	Fan values	**ERP Requirements 2015**
Max. efficiency (%)	38.41	36.8
Efficiency grade (N)	45.62	44
Pabs (kW)	0.727	
Flow (m³/h)	2454.37	
Static pressure (Pa)	399.11	
Speed (m/s)	1340	
Specific ratio	1.00	



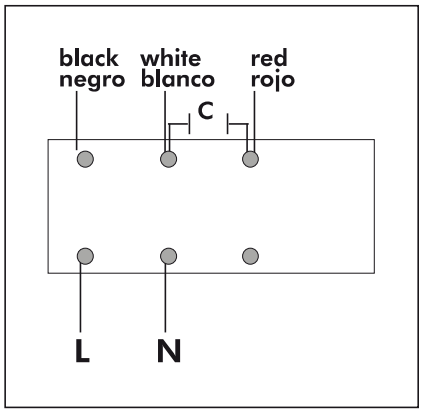
DIMENSIONS



Dimensions (mm)									
A	329	B màx	384	C	359	D	350	E	70,5
F	20	G	464	H	214	I	420	J	198
N	291	X	220						

WIRING DIAGRAM

SINGLE PHASE MOTOR
MOTOR MONOFÁSICO



ACCESSORIES



MANUAL SINGLE PHASE SPEED CONTROLLER
REG 5A
REF: 960710050



SAFETY SWITCH
INT 25 3P A
REF: INT253PA



OUTLET PROTECTION GUARD FOR FANS
RI 10/10
REF: 960000406



PROTECTION GRID FOR BD FANS, MOTOR SIDE
RM 10 (T80)
REF: 960000804



INLET PROTECTION GUARD FOR CENTRIFUGAL FANS
RA 10
REF: 960650100

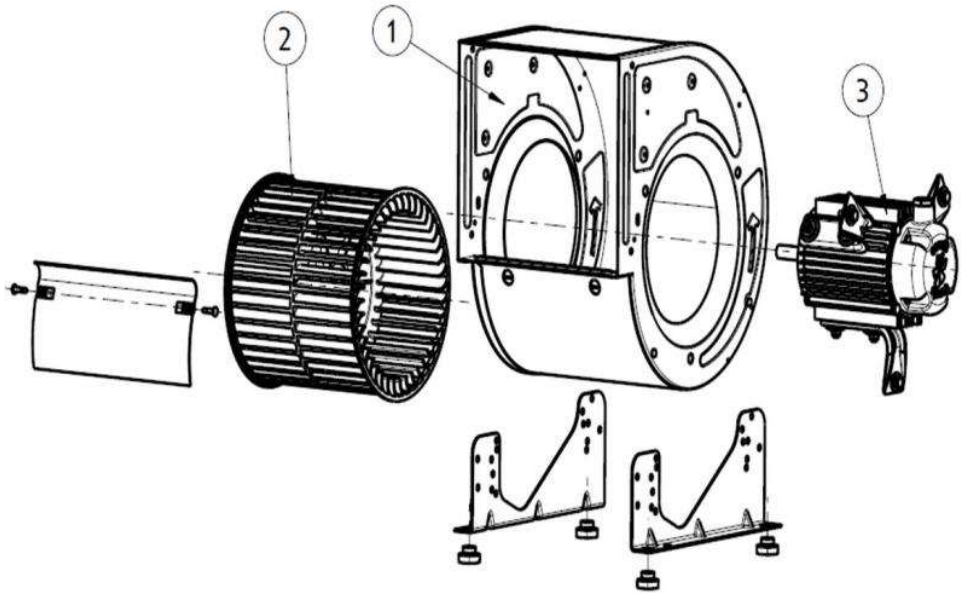


OUTLET FLANGE FOR BD AND BV FANS
MBI 10/10
REF: 251371691



MOUNTING SUPPORT FOR LOW PRESSURE FANS
S 10
REF: 960520100

SPARE PARTS



	Code	Model	Qty
1	251379421	CASING BD10/10	x1
2	251379383	TURBINE PA6 BD10/10	x1
3	251329478	MOTOR+SUPPORTS BD10/10M4 STC	x1
3	720331145	MOTOR BD M4 0,59kW 230V	x1