

## BD 9/9 M6 0,13kW (251280261)

### 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). Except 15/15 which is a cubic model.
- 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 frequency speed controller

##### APPLICATIONS:

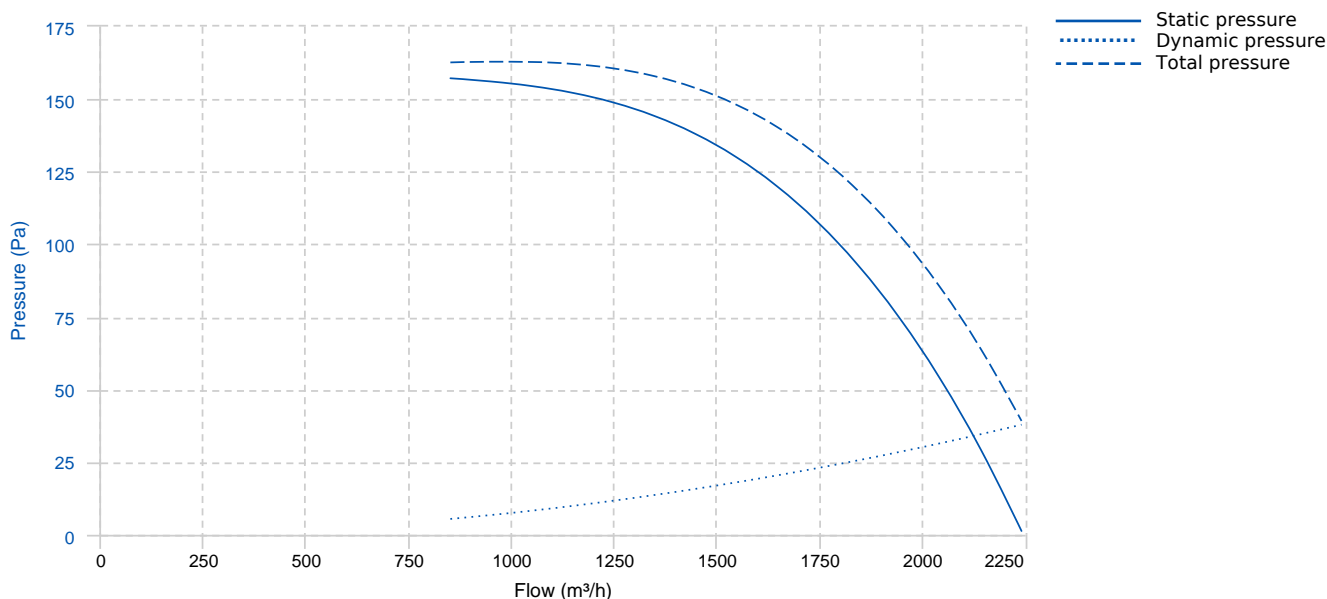
Designed for assembly in equipment:

- Ventilation boxes and air handling units.
- Centrifugal heaters.
- Industrial and professional kitchen hoods. Use in supply or extraction with prior fat filtering.
- Maximum working temperature: 50°C for single phase motors and 60°C for three phase motors.

##### UNDER REQUEST

- Impeller made of galvanized steel sheet.
- MBI assembled

### PERFORMANCE CURVE

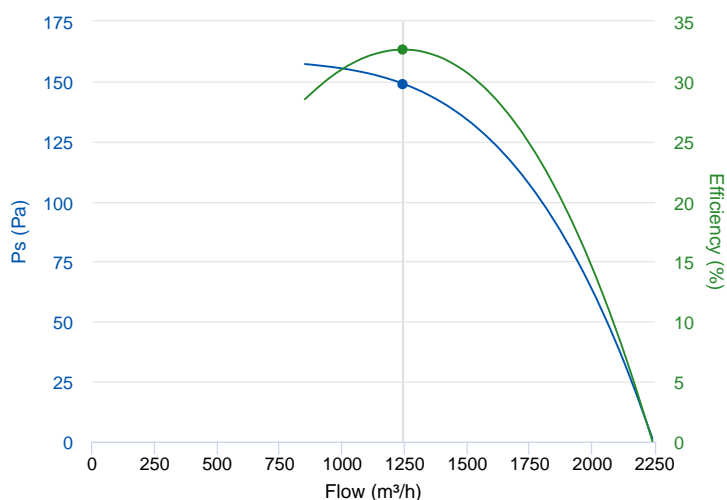


## TECHNICAL DATA

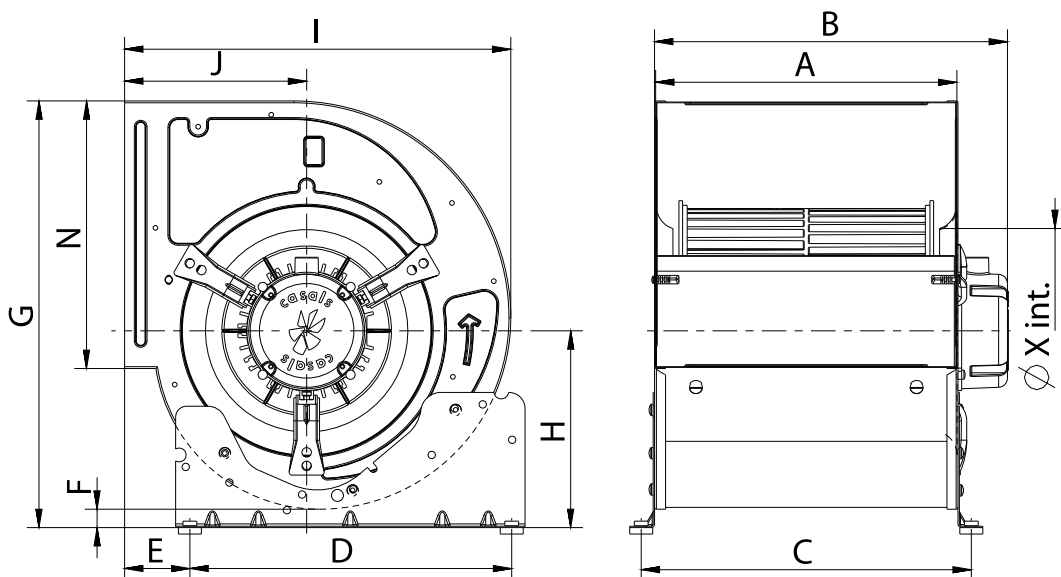
Fan							
RPM	940	Approx. weight	15 kg	Max. Flow	2250 m <sup>3</sup> /h		
Motor							
Power	0,13 kW	RPM	940	Capacitor	6μF 400V	I max. (230V)	1,3 A
Size	STC80	Approx. weight	4.7 kg	Efficiency (%)	66.8 %	FP	0.99

## 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)	0.13	
	Fan values	ERP Requirements 2015
Max. efficiency (%)	32.64	32.6
Efficiency grade (N)	44.03	44
Pabs (kW)	0.157	
Flow (m <sup>3</sup> /h)	1243.12	
Static pressure (Pa)	149.05	
Speed (m/s)	940	
Specific ratio	1.00	



## DIMENSIONS

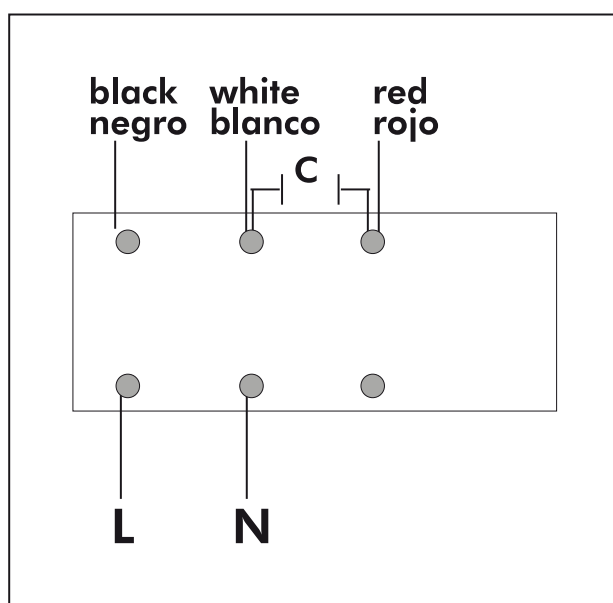


### Dimensions (mm)

A	301	B m $\grave{a}$ x	352	C	330	D	245	E	70
F	19	G	407	H	191	I	376	J	184
N	260	X	202						

## WIRING DIAGRAM

### SINGLE PHASE MOTOR MOTOR MONOFÁSICO



## ACCESSORIES



**MANUAL SINGLE PHASE SPEED CONTROLLER**  
REG 1,5A  
REF: 960710015



**SAFETY SWITCH**  
INT 25 3P A  
REF: INT253PA



**OUTLET PROTECTION GUARD FOR FANS**  
RI 9/9  
REF: A-960000404



**PROTECTION GRID FOR BD FANS, MOTOR SIDE**  
RM 9 (T80)  
REF: A-960000803

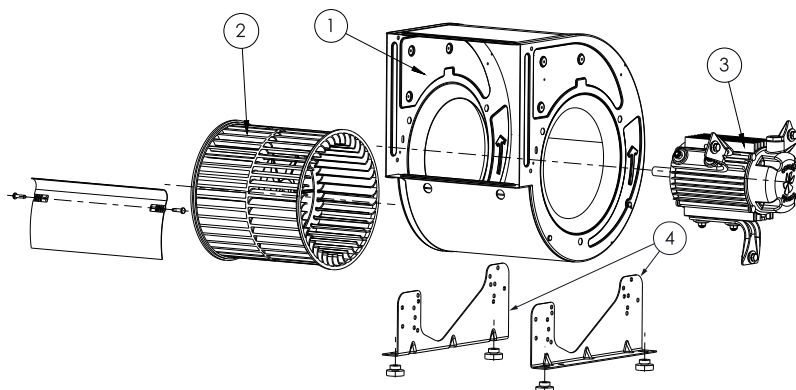


**INLET PROTECTION GUARD FOR CENTRIFUGAL FANS**  
RA 9  
REF: A-960630100



**OUTLET FLANGE FOR BD AND BV FANS**  
MBI 9/9  
REF: A-251281691

## SPARE PARTS



	Code	Model	Qty
1	R-251289421	CASING BD9/9	x1
2	R-251289383	TURBINE PA6 BD9/9	x1
3	720331214M015	MOTOR 0,13kW 6P 230V 50Hz MC T80	x1
4	960500100	MOUNTING SUPPORT S 7/9	x1