

# CENTRIFUGAL LOW PRESSURE FANS

## BD-BD CUBIC Double inlet, IP55 closed motor



BD



BD CUBIC



### 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 cubic models, supported and reinforced by lateral plates.
- BD CUBIC model supplied with fan support reinforced with squared wings for a major rigidity and solidity.
- 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).
- 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.
- Impeller made of galvanized steel sheet.
- MBI assembled

## ACCESSORIES



**SFC** pg. 311  
Frequency speed controller



**INT** pg. 312  
Safety switch



**REG** pg. 310  
Single phase manual speed controller



**REG VMC** pg. 310  
Single phase voltage regulator with 0-10v entrance



**RA** pg. 288  
Inlet protection guard



**RM** pg. 287  
Motor guard



**RI** pg. 286  
Outlet guard



**MBI** pg. 299  
Outlet flange

## SINGLE PHASE RANGE BD



Code	Model	R.P.M.	Rated I (A) 230V	Rated Power kW	Air flow m <sup>3</sup> /h	Sound dB (A)	Weight Kg
251100261	BD 7/7 M4 0,13kW	1370	1,55	0,13	1.940	59	9
251160260	BD 7/7 M6 0,04kW	885	0,6	0,04	1.080	44	9
251270260	BD 9/7 M4 0,35kW	1375	2,7	0,35	2.540	60	15
251260261	BD 9/7 M6 0,13kW	940	1,3	0,13	2.050	50	14
251220260	BD 9/9 M4 0,35kW	1375	2,7	0,35	2.810	61	12
251280261	BD 9/9 M6 0,13kW	940	1,3	0,13	2.240	53	15
251340260	BD 10/8 M4 0,59kW	1340	4,5	0,59	3.440	63	22
251330261	BD 10/8 M6 0,21kW	945	2,1	0,21	2.625	56	17
251320260	BD 10/10 M4 0,59kW	1340	4,5	0,59	3.780	64	22
251370261	BD 10/10 M6 0,21kW	945	2,1	0,21	2.860	56	15,5
251600261	BD 12/9 M6 0,76kW	950	6,7	0,76	5.860	59	21
251520261	BD 12/12 M6 0,76kW	950	6,7	0,76	6.275	59	27

## ■ SINGLE PHASE RANGE BD

Code	Model	Rated R.P.M.	Rated I (A) 230V	Rated Power kW	Air flow m <sup>3</sup> /h	Sound dB (A)	Weight Kg
251100260	BD 7/7 M4 0,12kW	1370	1,5	0,12	1.820	53	9
251260260	BD 9/7 M6 0,12kW	925	1,2	0,12	1.900	49	14
251280260	BD 9/9 M6 0,12kW	925	1,2	0,12	2.160	53	15
251330260	BD 10/8 M6 0,19kW	880	2,1	0,19	2.650	57	17
251370260	BD 10/10 M6 0,19kW	880	2,1	0,19	3.020	59	15,5
251600260	BD 12/9 M6 0,79kW	945	6,2	0,79	5.980	63	21
251520260	BD 12/12 M6 0,79kW	945	6,2	0,79	6.530	66	27



## ■ THREE PHASE RANGE BD

Code	Model	Rated R.P.M.	Rated I (A)		Rated Power kW	Air flow m <sup>3</sup> /h	Sound dB (A)	Weight Kg
			230V	400V				
251600161	BD 12/9 T6 1,1kW	945	6,54	3,78	1,1	6.200	59	26
251520160	BD 12/12 T6 1,1kW	945	6,54	3,78	1,1	6.940	59	27



## ■ THREE PHASE RANGE BD CÚBIC

Code	Model	Rated R.P.M.	Rated I (A)		Rated Power kW	Air flow m <sup>3</sup> /h	Sound dB (A)	Weight Kg
			230V	400V				
252370106	BD 15/15 T6 2,2kW	900	10,92	6,31	2,2	11.000	64	57