

## BD 12/12 M6 0,79kW 3V (251520268)

### GENERAL DATA



DOUBLE INLET, 3 SPEED MOTOR

#### 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).
- 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 3 speed motor 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
- Integrated thermal protector in the winding

#### APPLICATIONS:

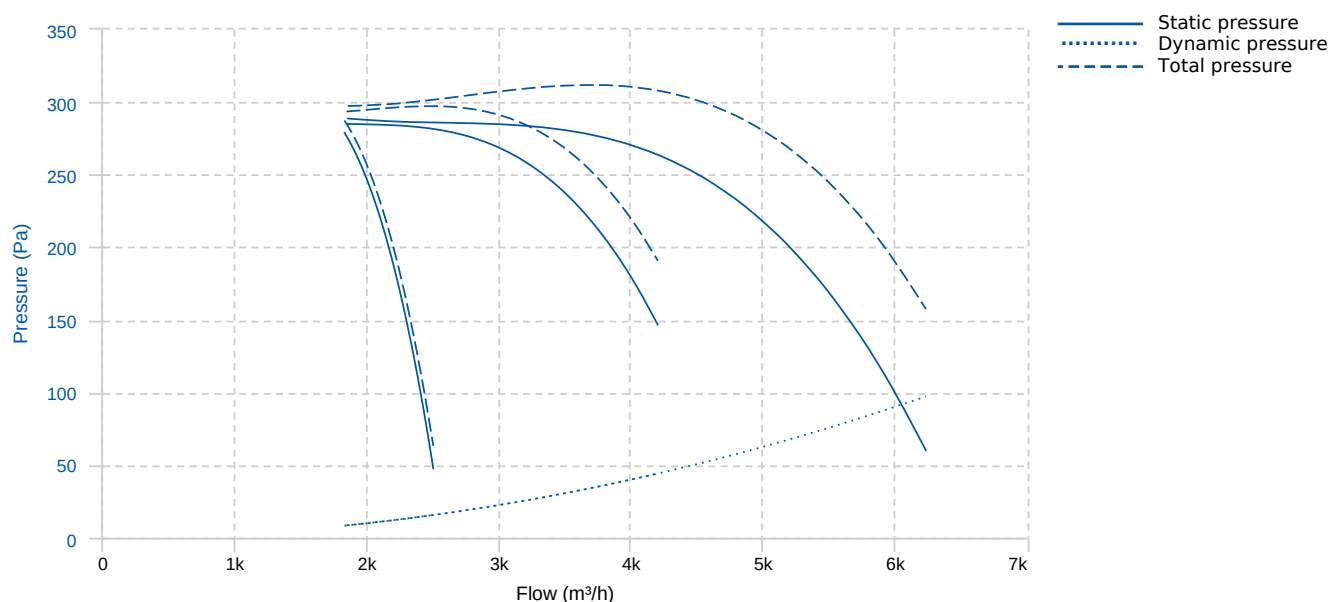
Designed for assembly in equipment:

- 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.

#### UNDER REQUEST:

- Impellers made of galvanized sheet.
- MBI assembled.

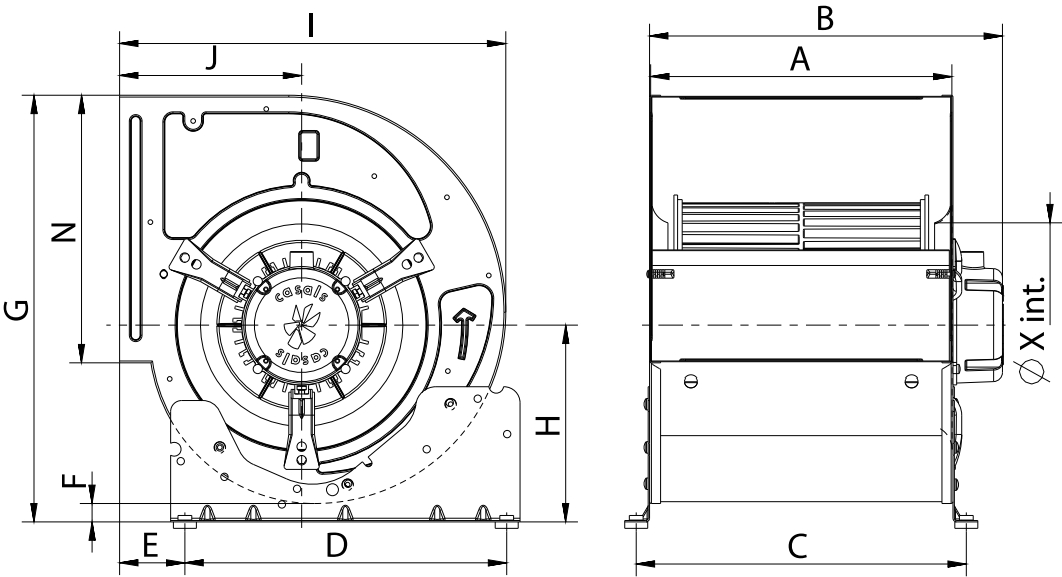
### PERFORMANCE CURVE



TECHNICAL DATA

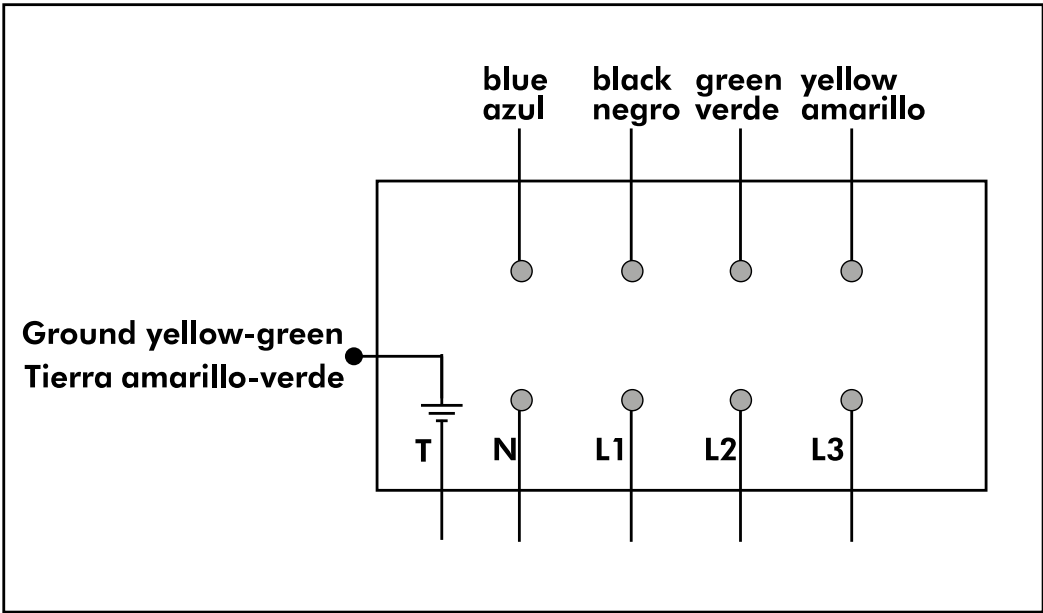
| Fan            |         |                |           |           |           |               |                         |
|----------------|---------|----------------|-----------|-----------|-----------|---------------|-------------------------|
| Approx. weight | 27 kg   | Max. Flow      | 6240 m³/h |           |           |               |                         |
| Motor          |         |                |           |           |           |               |                         |
| Power          | 0,79 kW | RPM            | 860       | Capacitor | 30µF 400V | I max. (230V) | L1=6,5 L2=4,1<br>L3=3 A |
| Size           | STC90   | Approx. weight | 0 kg      | FP        | 0.98      |               |                         |

DIMENSIONS



| Dimensions (mm) |       |        |     |   |     |   |     |   |     |
|-----------------|-------|--------|-----|---|-----|---|-----|---|-----|
| A               | 396   | B m  x | 450 | C | 425 | D | 350 | E | 77  |
| F               | 17    | G      | 536 | H | 244 | I | 490 | J | 230 |
| N               | 343,5 | X      | 260 |   |     |   |     |   |     |

WIRING DIAGRAM



ACCESSORIES



**MANUAL SINGLE PHASE SPEED CONTROLLER**  
**REG 10A**  
**REF: 960710100**



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



**OUTLET PROTECTION GUARD FOR FANS**  
**RI 12/12**  
**REF: A-960000408**



**INLET PROTECTION GUARD FOR CENTRIFUGAL FANS**  
**RA 12**  
**REF: A-960670100**

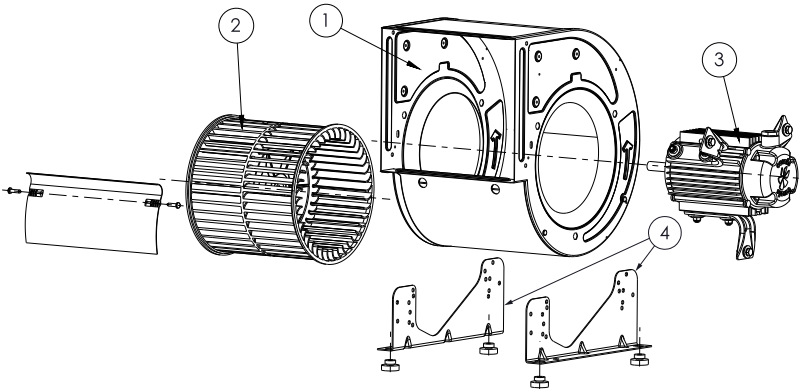


**OUTLET FLANGE FOR BD AND BV FANS**  
**MBI 12/12**  
**REF: A-251521691**



**PROTECTION GRID FOR BD FANS, MOTOR SIDE**  
**RM 12 (T90)**  
**REF: A-960000805**

SPARE PARTS



|   | Code        | Model                        | Qty |
|---|-------------|------------------------------|-----|
| 1 | R-251529422 | CASING BD12/12               | x1  |
| 2 | R-251529383 | TURBINE PA6 BD12/12          | x1  |
| 3 | 251529479   | MOTOR+SUPPORTS BD12M6 3V STC | x1  |
| 3 | 720331372   | MOTOR M6 0,79kW 3V 230V      | x1  |
| 4 | 960530100   | MOUNTING SUPPORT S 12        | x1  |