

## BOX BD 10/10 M6 0,21kW (251370551)

### GENERAL DATA



#### CENTRIFUGAL IN SOUNDPROOF CABINET

##### MANUFACTURING FEATURES:

- Impellers made of polyamide reinforced with fiberglass up to size 33/33 (12/12). Rest of models made of galvanized steel sheet.
- BD range fans assembled in soundproof cabinets with thermo-acoustic insulation, Bs1d0 fire class on the supply pannel.
- Fan assembled on antivibration mountings.
- Connection gland included.
- Closed motors specially designed by Casals with extruded aluminum housing, which make the whole connection is protected within the integrated 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.

##### APPLICATIONS:

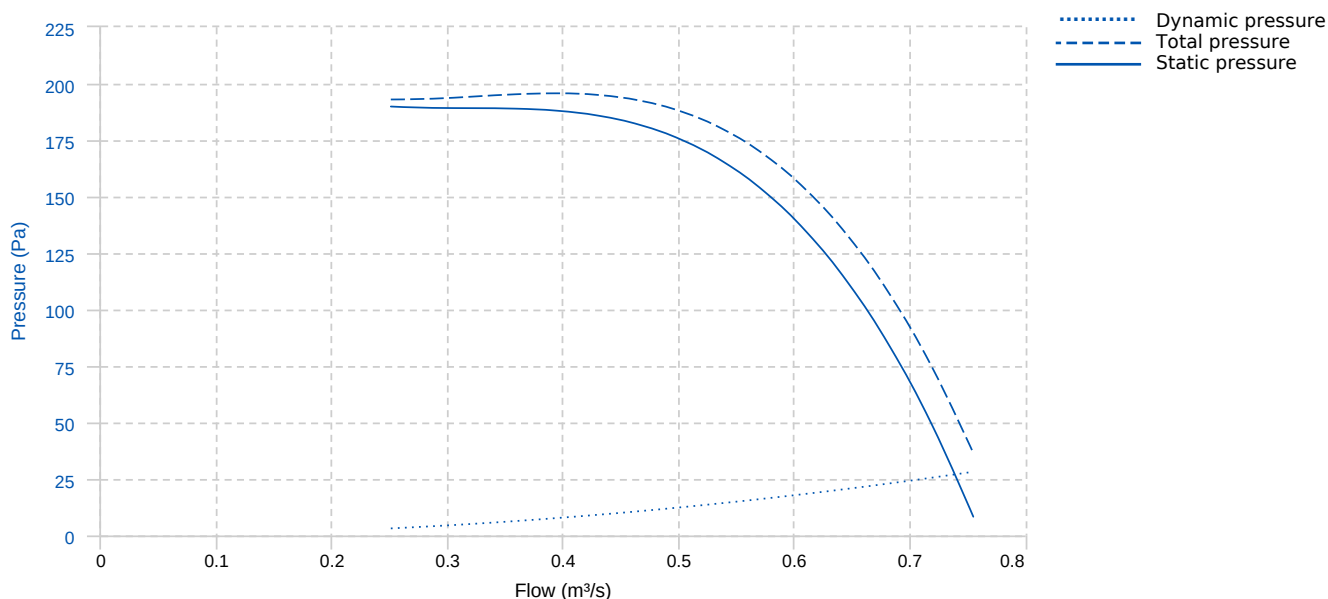
Designed for inline installation, indoor or outdoor assembly, they are suitable for:

- Air renewal in buildings and industries.
- Industrial and professional kitchen hoods. Use in supply or extraction with prior fat filtering.
- Maximum working temperature: 50°C.

##### UNDER REQUEST:

- LG0 position.
- Impellers made of galvanised steel sheet.
- 3 speed fans.

### PERFORMANCE CURVE

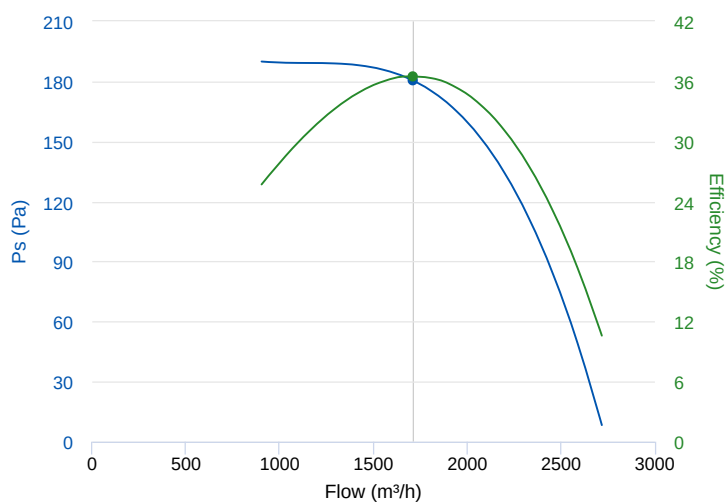


## TECHNICAL DATA

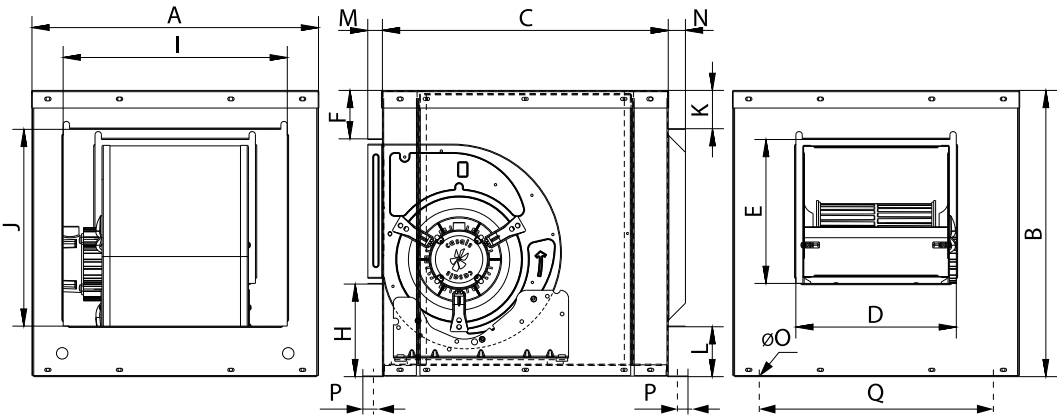
| Fan   |         |                |       |                |           |               |       |
|-------|---------|----------------|-------|----------------|-----------|---------------|-------|
| RPM   | 945     | Approx. weight | 34 kg | Max. Flow      | 0.76 m³/s |               |       |
| Motor |         |                |       |                |           |               |       |
| Power | 0,21 kW | RPM            | 945   | Capacitor      | 9µF 400V  | I max. (230V) | 2,1 A |
| Size  | STC80   | Approx. weight | 5 kg  | Efficiency (%) | 68 %      | FP            | 0.99  |

## ERP DATA

| Fan data sheet           |                                              |                       |
|--------------------------|----------------------------------------------|-----------------------|
| Fan type                 | Unit for non-residential ventilation (LOT 6) |                       |
| Typology                 | Unidirectional                               |                       |
| reports.other            | None                                         |                       |
| Type of driver           | None                                         |                       |
| Motor power (kW)         | 0.21                                         |                       |
|                          | Fan values                                   | ERP Requirements 2018 |
| Max. efficiency (%)      | 36.51                                        | 32.66                 |
| Effic. Heat recovery (%) | -                                            |                       |
| Pabs (kW)                | 0.222                                        |                       |
| Flow (m³/h)              | 1713.03                                      |                       |
| Static pressure (Pa)     | 180.33                                       |                       |
| Speed (m/s)              | 4.32                                         |                       |
| SFP (W/m3/s)             | 465.94                                       |                       |



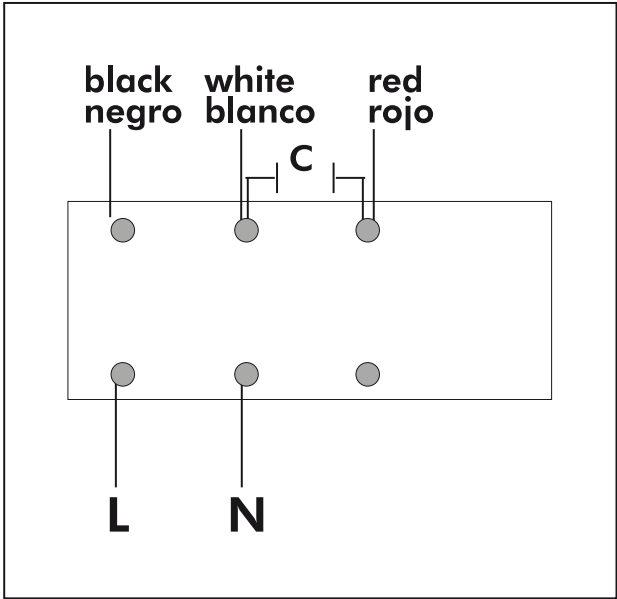
DIMENSIONS



| Dimensions (mm) |       |   |     |   |     |   |     |   |     |
|-----------------|-------|---|-----|---|-----|---|-----|---|-----|
| A               | 580   | B | 580 | C | 580 | D | 342 | E | 298 |
| F               | 84    | H | 195 | I | 493 | J | 421 | K | 69  |
| L               | 88    | M | 23  | N | 27  | O | 10  | P | 17  |
| Q               | 522,4 |   |     |   |     |   |     |   |     |

WIRING DIAGRAM

SINGLE PHASE MOTOR  
MOTOR MONOFÁSICO



ACCESSORIES



**MANUAL SINGLE PHASE SPEED CONTROLLER  
REG 3A**  
REF: 960710030



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



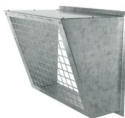
**METALLIC GRAVITY SHUTTER FOR CABINET  
FANS. CERTIFIED 400°C/2H  
PI 28/28 (10/10)**  
REF: 970280100



**INLET BLIND COVER  
TCA 8**  
REF: A-960001113



**INLET/OUTLET ROUND COVER  
TIAC 3 (OUT)**  
REF: 960001353



**OUTDOOR FLANGE WITH BIRD GUARD  
VIS OUT 10**  
REF: 960000051



**INLET/OUTLET ROUND COVER  
TIAC 14 (IN)**  
REF: 960001364



**OUTDOOR FLANGE WITH BIRD GUARD  
VIS IN 10**  
REF: 960000053



**RECTANGULAR-CIRCULAR  
FLANGE  
BAC 3 (OUT 10/10)**  
REF: 960002953

ANTI-VIBRATION



**RECTANGULAR-CIRCULAR  
FLANGE  
BAC 14 (IN BOX BD/BV 10/10)**  
REF: 960002964

ANTI-VIBRATION