

2025



ACOUSTIC CENTRIFUGAL BOX

APPLICATION

Compact acoustic in-line centrifugal box fans suitable for horizontal or vertical mounting in residential, commercial and industrial buildings such as toilets, bathrooms, schools, warehouses, offices, gyms, sports hall, restaurants, etc...

CONSTRUCTION

- Outer casing made from galvanized steel providing long lasting and robust construction.
- Top cover made from ABS.
- Self-extinguishing technopolymer acoustic lining.
- Spigots made from polypropylene or in galvanized steel to fit rigid or flexible round ducts.
- Maintenance-free centrifugal backcurved impeller, dynamically balanced.
- High efficient EC brushless external rotor motor, provided with long-life ball bearings and integral thermal protection mounted on anti-vibration mounts.
- Electrical connection to the motor is provided by an IP55 terminal box.

FEATURES & BENEFITS

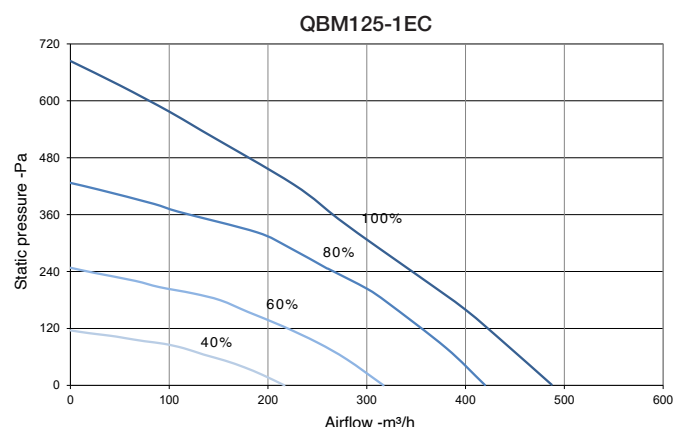
- Ease of installation: wall-fixing eyelets are part of the fan body.
- Compact profile to fit in narrow spaces.
- Suitable to operate at 230V-1Ph-50/60Hz.
- Top cover easily removable for inspection and maintenance.
- Fans are suitable to operate at a maximum temperature of +40°C.
- Tested to the latest standards, meaning accurate, up to date information on electrical safety, performance and noise level that can be relied upon.
- Designed and manufactured in accordance with Low Voltage Directive (LVD), Electromagnetic Compatibility Directive (EMC) and Regulation 1253/2014 (ErP Directive).

OPERATION

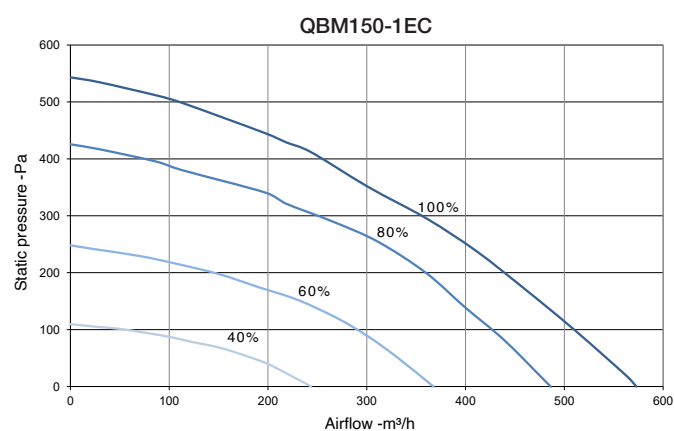
- One speed.
- Two speeds through external switch (not supplied).
- Variable speed through remote control CTRL-M.
- 3 speeds through remote selector SEL-3V.

Performances

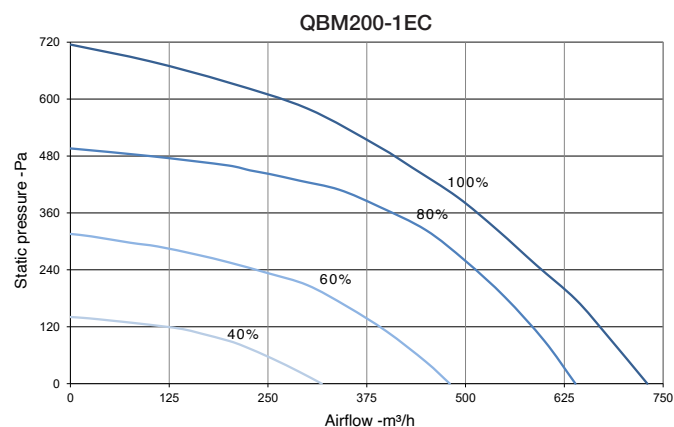
| Description | Poles | Mot. | P _{el} | I _{nom} | I _{start} | IP/Cl. |
|-------------------|--------|------|-----------------|------------------|--------------------|--------|
| | | size | kW | A | A | |
| QBM125-1EC | - | - | 0,09 | 0,74 | - | X2/- |
| Description | Code | Eff. | SFP | Q max | Lp | |
| | | % | W/m³/h | m³/h | dB(A) @3m Breakout | |
| QBM125-1EC | 006829 | 50 | 0,254 | 487 | 42 | |



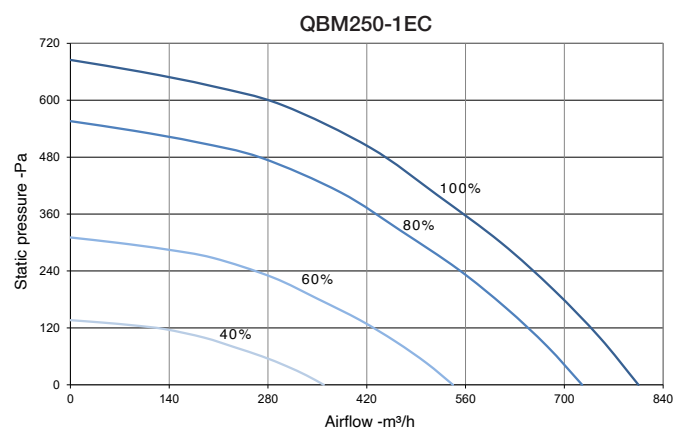
| Description | Poles | Mot. | P _{el} | I _{nom} | I _{start} | IP/Cl. |
|-------------------|--------|------|-----------------|------------------|--------------------|--------|
| | | size | kW | A | A | |
| QBM150-1EC | - | - | 0,087 | 0,72 | - | X2/- |
| Description | Code | Eff. | SFP | Q max | Lp | |
| | | % | W/m³/h | m³/h | dB(A) @3m Breakout | |
| QBM150-1EC | 006830 | 50 | 0,241 | 573 | 42 | |



| Description | Poles | Mot. | P _{el} | I _{nom} | I _{start} | IP/Cl. |
|-------------------|--------|------|-----------------|------------------|--------------------|--------|
| | | size | kW | A | A | |
| QBM200-1EC | - | - | 0,162 | 1,38 | - | X2/- |
| Description | Code | Eff. | SFP | Q max | Lp | |
| | | % | W/m³/h | m³/h | dB(A) @3m Breakout | |
| QBM200-1EC | 006831 | 53 | 0,302 | 730 | 52 | |



| Description | Poles | Mot. | P _{el} | I _{nom} | I _{start} | IP/Cl. |
|-------------------|--------|------|-----------------|------------------|--------------------|--------|
| | | size | kW | A | A | |
| QBM250-1EC | - | - | 0,165 | 1,38 | - | X2/- |
| Description | Code | Eff. | SFP | Q max | Lp | |
| | | % | W/m³/h | m³/h | dB(A) @3m Breakout | |
| QBM250-1EC | 006832 | 53 | 0,317 | 805 | 48 | |

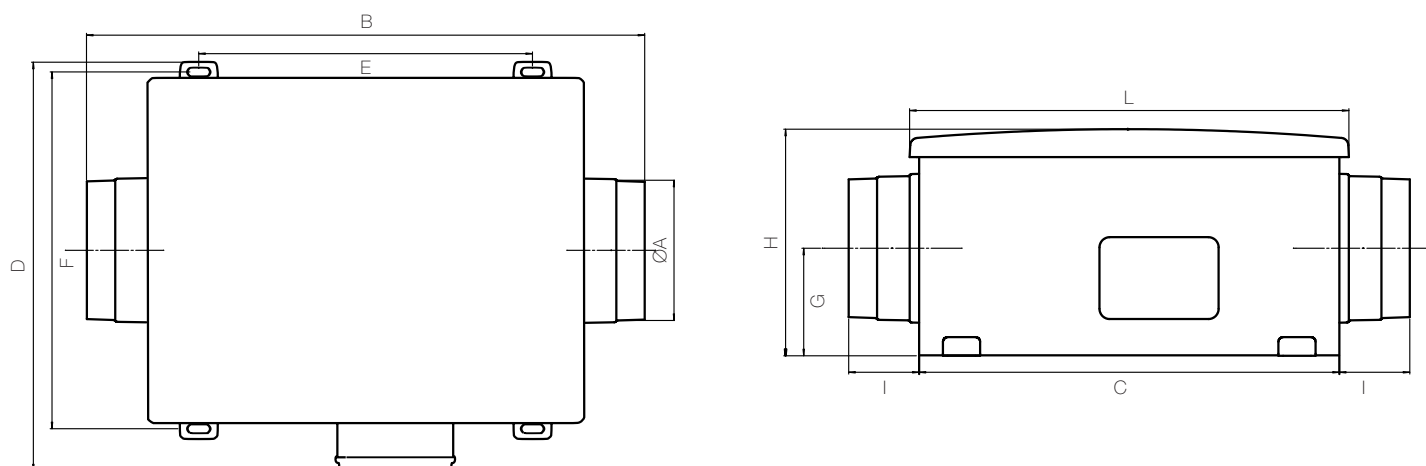


Data in accordance with Regulation 1253/2014 (ErP Directive). Product category is NRVU. Measurement category used to determine energy efficiency: D.

Data provided at standard air density of 1.2kg/m³.



The overall A-weighted sound pressure level is at a distance of 3m with spherical free-field propagation. It is expressed in dB re-20μPa and is presented for comparative purposes only.

Dimensions (mm) and Weight (kg)



| Description | ØA | B | C | D | E | F | G | H | I | L | Weight |
|-------------|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|--------|
| QBM125 | 125 | 603 | 452 | 442 | 360 | 385 | 115 | 245 | 75,7 | 472 | 6,5 |
| QBM150 | 150 | 603 | 452 | 442 | 360 | 385 | 115 | 245 | 75,7 | 472 | 6,5 |
| QBM200 | 200 | 525 | 452 | 442 | 360 | 385 | 149 | 315 | 37,6 | 472 | 9 |
| QBM250 | 250 | 565 | 452 | 442 | 360 | 385 | 149 | 315 | 57,7 | 472 | 9 |

Accessories

| Description |  CTRL-M | |  3-speed selector | |
|-------------|--|--------|--|--------|
| | Description | Code | Description | Code |
| QBM125-1EC | CTRL-M-P | 003682 | SEL-3V-P | 003790 |
| | CTRL-M-I 2M | 003683 | SEL-3V-I 2M | 003789 |
| QBM150-1EC | CTRL-M-P | 003682 | SEL-3V-P | 003790 |
| | CTRL-M-I 2M | 003683 | SEL-3V-I 2M | 003789 |
| QBM200-1EC | CTRL-M-P | 003682 | SEL-3V-P | 003790 |
| | CTRL-M-I 2M | 003683 | SEL-3V-I 2M | 003789 |
| QBM250-1EC | CTRL-M-P | 003682 | SEL-3V-P | 003790 |
| | CTRL-M-I 2M | 003683 | SEL-3V-I 2M | 003789 |

Speed controller



- Potentiometer for EC brushless motors with front knob, two pole on-off switch to adjust the motor speed.
- Yellow led to indicate active load.
- 230V~ 50/60Hz.
- Available for surface (CTRL-M-P) or recessed mounting (CTRL-M-I 2M).

| Description | H | L |
|-------------|----|----|
| CTRL-M | 80 | 80 |

Dimensions in mm

3-speed selector



- Speed selector with front selection knob, including ON/OFF position.
- SEL-3V controller is available for surface (SEL-3V-P) or recessed mounting (SEL-3V-I 2M).

| Description | Voltage/Hz | max Amp | H | L |
|-------------|---------------|------------|----|----|
| SEL-3V | 230V~ 50/60Hz | 3 | 80 | 80 |

Dimensions in mm