



Axial inline fans

Tube-M / Tube-MZ

Air capacity – up to 1700 m³/h

Use

- Supply and exhaust ventilation systems installed in various premises.
- Mounting in ventilation systems with low static pressure requiring high air capacity.
- Compatible with Ø 100 up to 315 mm round air ducts.

Design

- Compact steel casing covered with special polymer coating (**Tube-M** series) or galvanized steel casing (**Tube-MZ** series).
- Aluminium impeller.
- The fan is equipped with a power cord and external terminal block for connection to power mains.

Motor

- Single-phase asynchronous external rotor motor with axial impeller.
- Equipped with ball bearings for longer service life.
- Integrated thermal protection with automatic restart.

Speed control

- Smooth speed control with an external thyristor controller or step speed control with an external auto transformer (both available upon separate order).

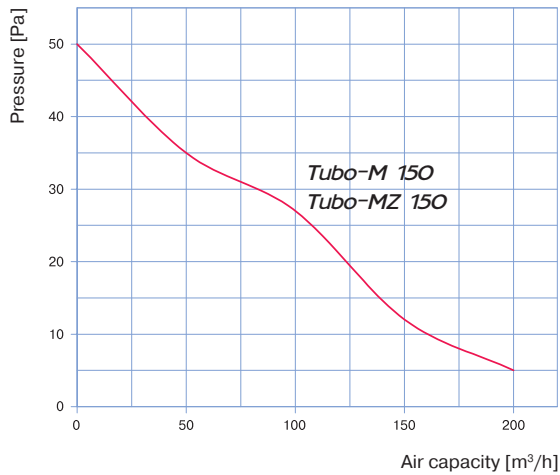
Mounting

- Mounting in air duct or directly to the wall in any position with respect to air flow direction in the system.
- Power is supplied to the fan through an external terminal box with sealed electric lead-in.
- Wall or ceiling mounting with fixing brackets supplied as a standard.
- Polymer coated or galvanized steel reducers are provided for connection of the **Tube-M** fans with Ø 150 up to 250 mm air ducts. The reducers are not included into delivery list and are available upon separate order.
- Tube-M 315** and **Tube-MZ 315** with Ø 315 mm air ducts have direct connection.

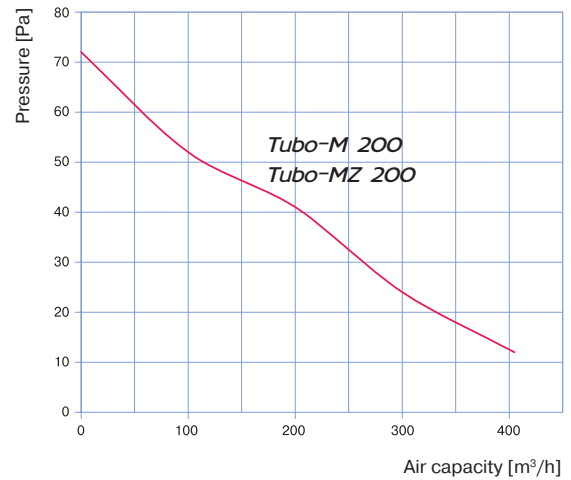
Specifications

| Parameters | Tube-M 150 Tube-MZ 150 | Tube-M 200 Tube-MZ 200 | Tube-M 250 Tube-MZ 250 | Tube-M 315 Tube-MZ 315 |
|--|---------------------------|---------------------------|---------------------------|---------------------------|
| Voltage [V / 50 Hz] | 230 | 230 | 230 | 230 |
| Power [W] | 36 | 43 | 68 | 110 |
| Current [A] | 0.26 | 0.28 | 0.48 | 0.75 |
| Maximum air capacity [m ³ /h] | 200 | 405 | 1070 | 1700 |
| RPM [min ⁻¹] | 1300 | 1300 | 1300 | 1300 |
| Sound pressure level at 3 m distance [dBA] | 33 | 32 | 48 | 54 |
| Max. operating temperature [°C] | 40 | 40 | 40 | 40 |
| Ingress protection rating | IPX4 | IPX4 | IPX4 | IPX4 |

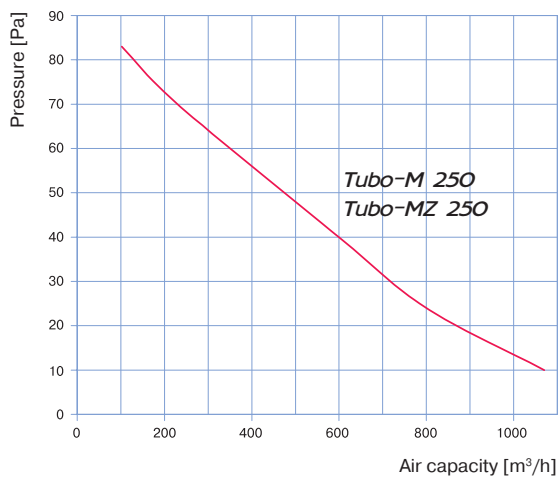
Specifications



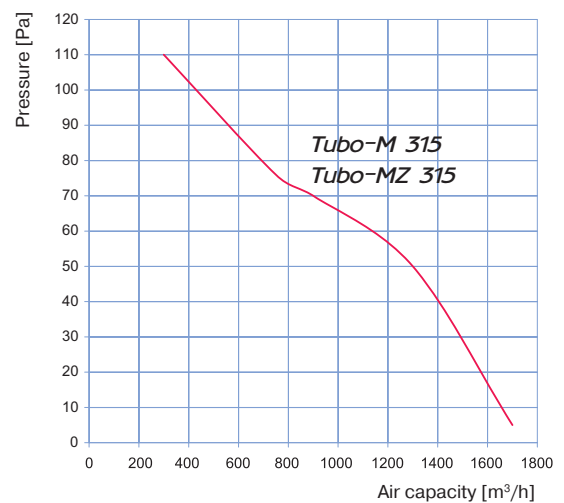
| Sound-power level | Octave-frequency band [Hz] | | | | | | | | |
|--------------------------------|----------------------------|----|-----|-----|-----|------|------|------|------|
| | Gen | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| L_{WA} to environment, [dBA] | 46 | 47 | 56 | 45 | 35 | 30 | 31 | 31 | 20 |



| Sound-power level | Octave-frequency band [Hz] | | | | | | | | |
|--------------------------------|----------------------------|----|-----|-----|-----|------|------|------|------|
| | Gen | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| L_{WA} to environment, [dBA] | 53 | 55 | 63 | 56 | 44 | 42 | 36 | 30 | 15 |



| Sound-power level | Octave-frequency band [Hz] | | | | | | | | |
|--------------------------------|----------------------------|----|-----|-----|-----|------|------|------|------|
| | Gen | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| L_{WA} to environment, [dBA] | 59 | 61 | 70 | 60 | 43 | 46 | 41 | 34 | 19 |



| Sound-power level | Octave-frequency band [Hz] | | | | | | | | |
|--------------------------------|----------------------------|----|-----|-----|-----|------|------|------|------|
| | Gen | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| L_{WA} to environment, [dBA] | 62 | 65 | 67 | 58 | 45 | 51 | 48 | 41 | 30 |

Overall dimensions

| Type | Dimensions [mm] | | | | | Weight [kg] |
|------------------------|-----------------|-----|-----|----|----|-------------|
| | $\varnothing D$ | B | L | L1 | L3 | |
| Turbo-M / Turbo-MZ 150 | 162 | 183 | 220 | 40 | 30 | 2.08 |
| Turbo-M / Turbo-MZ 200 | 208 | 228 | 220 | 40 | 30 | 2.54 |
| Turbo-M / Turbo-MZ 250 | 262 | 283 | 270 | 55 | 30 | 3.97 |
| Turbo-M / Turbo-MZ 315 | 315 | 337 | 278 | 55 | 40 | 4.84 |

