



## Axial inline fans

# Tube-M / Tube-MZ

Air capacity – up to 1700 m<sup>3</sup>/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).

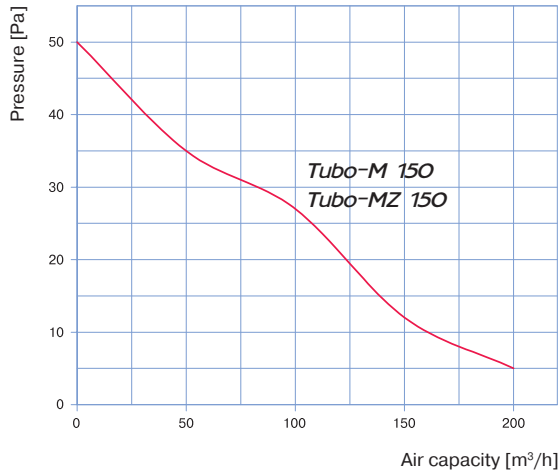
### ■ Mounting

- 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.

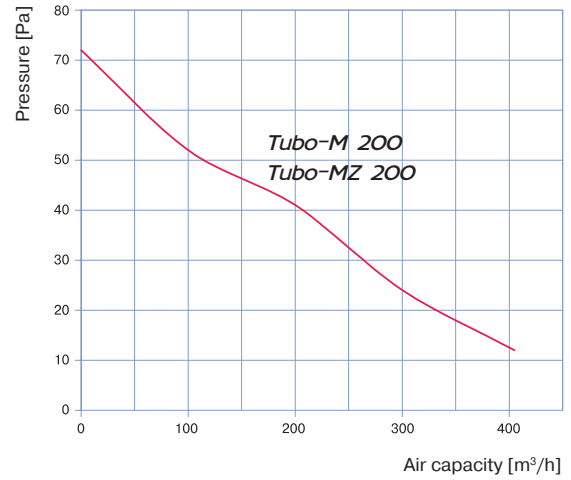
### ■ Specifications

Parameters	<b>Tube-M 150</b> <b>Tube-MZ 150</b>	<b>Tube-M 200</b> <b>Tube-MZ 200</b>	<b>Tube-M 250</b> <b>Tube-MZ 250</b>	<b>Tube-M 315</b> <b>Tube-MZ 315</b>
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 <sup>3</sup> /h]	200	405	1070	1700
RPM [min <sup>-1</sup> ]	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

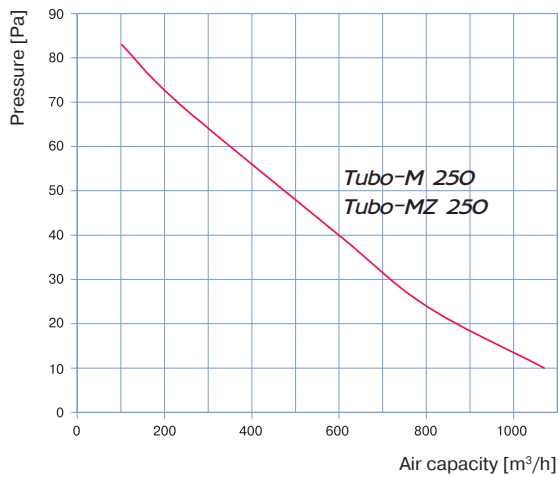
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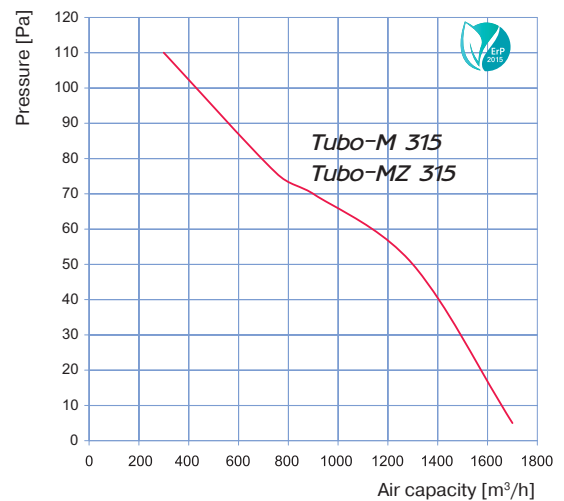
Sound-power level	Octave-frequency band [Hz]								
	Gen	63	125	250	500	1000	2000	4000	8000
L <sub>WA</sub> to environment, [dBA]	46	47	56	45	35	30	31	31	20



Sound-power level	Octave-frequency band [Hz]								
	Gen	63	125	250	500	1000	2000	4000	8000
L <sub>WA</sub> 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 <sub>WA</sub> 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 <sub>WA</sub> to environment, [dBA]	62	65	67	58	45	51	48	41	30

## Overall dimensions

Type	Dimensions [mm]					Weight [kg]
	∅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

