



Inline centrifugal fan

Centro-MZ

Air capacity — up to 1540 m³/h

Use

- Supply and exhaust ventilation systems installed in various premises.
- The best solution both for humid indoor premises and outside areas
- Compatible with $\varnothing 100$ up to 315 mm round air ducts.

Design

- Galvanized steel casing.
- Aerodynamically shaped casing.
- External terminal block for power supply.

Motor

- Single-phase external rotor motor with a centrifugal impeller with backward curved blades.
- Equipped with ball bearings for longer service life.
- Integrated thermal protection with automatic restart.
- Dynamically balanced turbine.
- Some standard sizes have high-powered motors (**Centro-MZ max**).
- For ventilation of premises with high requirements to noise level low-noise modifications are available (**Centro-MZ L**).

Speed control

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

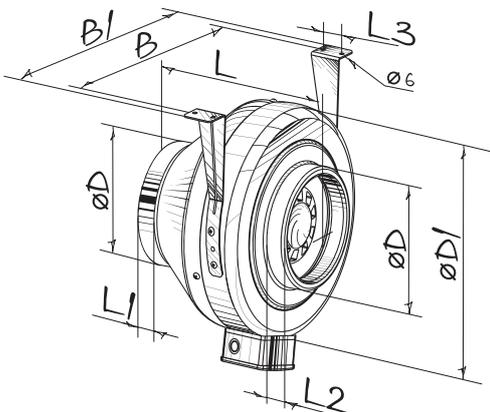
Mounting

- Any mounting position.
- Wall or ceiling mounting with fixing brackets supplied as a standard.
- Flexible air ducts are fixed on fan branch pipes with clamps.

Modifications and options

- max** – high-powered motor.
- L** – low-noise fan modification.
- W** – the fan is equipped with a power cord and a socket or plug (**W1**).

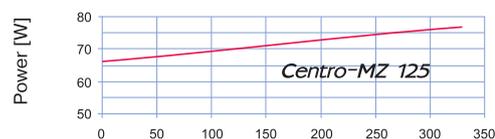
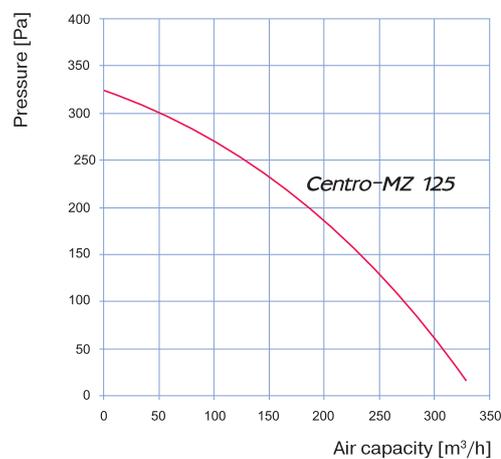
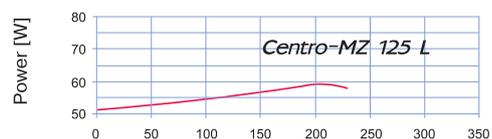
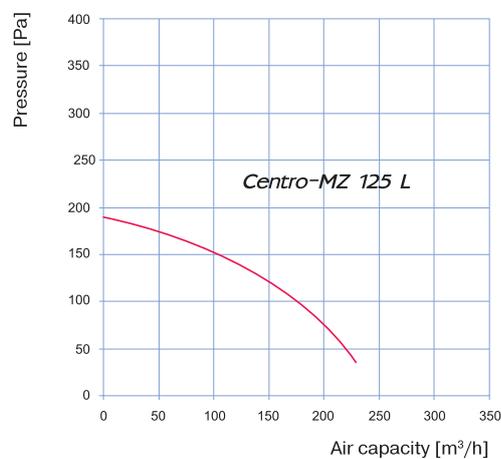
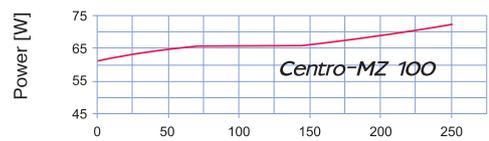
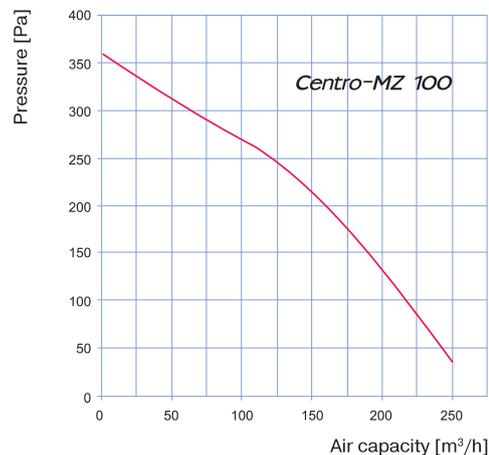
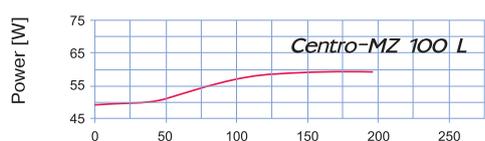
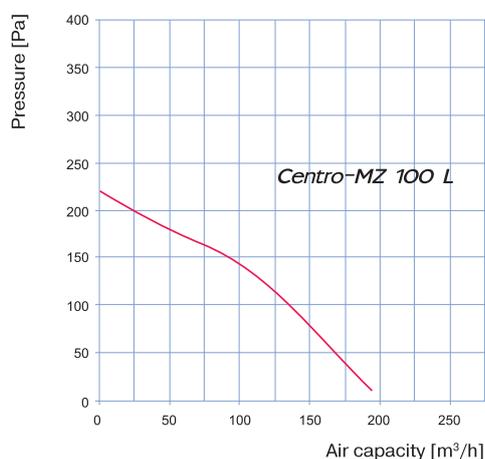
Overall dimensions



| Type | Dimensions [mm] | | | | | | | | Weight [kg] |
|-----------------|-----------------|------------------|-----|-----|-----|----|----|----|-------------|
| | $\varnothing D$ | $\varnothing D1$ | B | B1 | L | L1 | L2 | L3 | |
| Centro-MZ 100 L | 98 | 237 | 253 | 293 | 202 | 23 | 22 | 30 | 3,1 |
| Centro-MZ 100 | 98 | 237 | 253 | 293 | 202 | 23 | 22 | 30 | 3,2 |
| Centro-MZ 125 L | 123 | 237 | 253 | 293 | 202 | 23 | 22 | 30 | 3,1 |
| Centro-MZ 125 | 123 | 237 | 253 | 293 | 202 | 23 | 22 | 30 | 3,15 |
| Centro-MZ 150 | 148 | 278 | 294 | 334 | 200 | 25 | 23 | 30 | 3,8 |
| Centro-MZ 160 | 158 | 278 | 294 | 334 | 200 | 25 | 23 | 30 | 3,8 |
| Centro-MZ 200 L | 198 | 332 | 340 | 380 | 245 | 25 | 29 | 40 | 4,2 |
| Centro-MZ 200 | 198 | 332 | 340 | 380 | 245 | 25 | 29 | 40 | 4,4 |
| Centro-MZ 250 L | 249 | 332 | 340 | 380 | 213 | 25 | 29 | 40 | 4,1 |
| Centro-MZ 250 | 249 | 332 | 340 | 380 | 213 | 25 | 29 | 40 | 4,3 |
| Centro-MZ 315 L | 313 | 402 | 410 | 450 | 308 | 33 | 55 | 40 | 5,5 |
| Centro-MZ 315 | 313 | 402 | 410 | 450 | 308 | 33 | 55 | 40 | 5,7 |

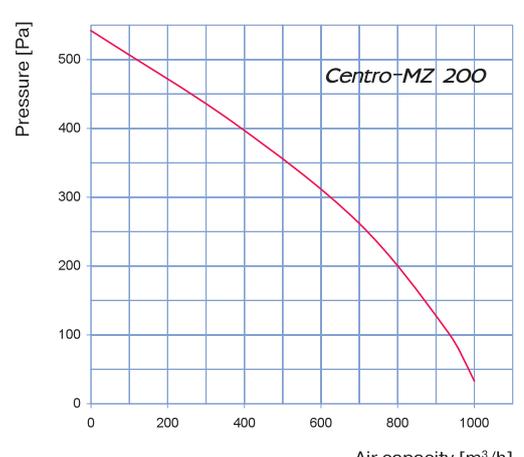
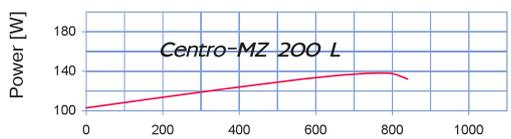
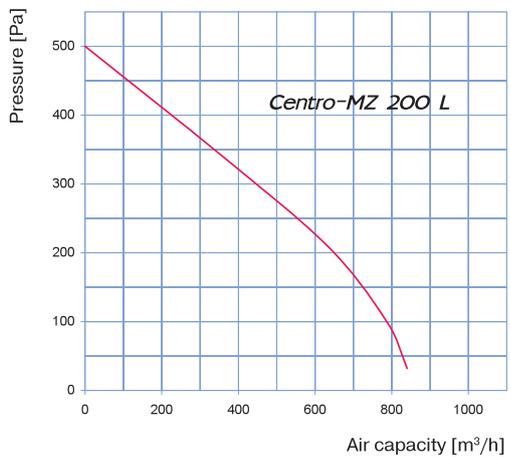
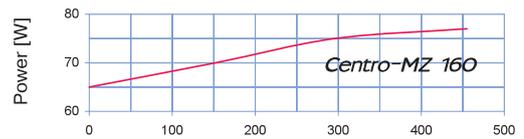
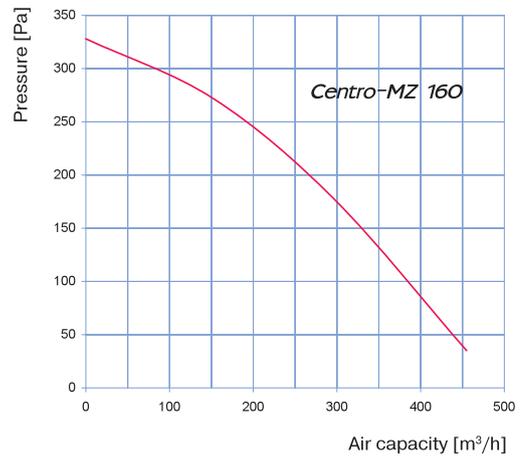
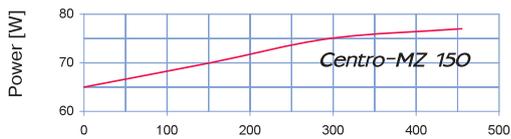
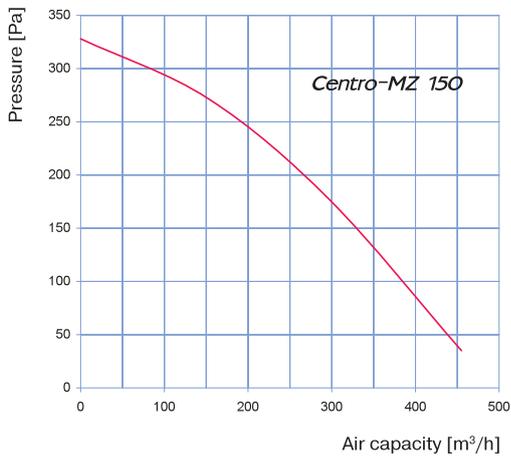
■ Specifications

| Parameters | Centro-MZ 100 L | Centro-MZ 100 | Centro-MZ125 L | Centro-MZ 125 |
|--------------------------------------------|-----------------|---------------|----------------|---------------|
| Voltage [V / 50 Hz] | 230 | 230 | 230 | 230 |
| Power [W] | 60 | 72 | 60 | 78 |
| Current [A] | 0,37 | 0,32 | 0,37 | 0,34 |
| Maximum air capacity [m ³ /h] | 195 | 250 | 230 | 330 |
| RPM [min ⁻¹] | 2670 | 2820 | 2605 | 2820 |
| Sound pressure level at 3 m distance [dBA] | 35 | 46 | 35 | 46 |
| Max. operating temperature [°C] | -25 +55 | -25 +55 | -25 +55 | -25 +55 |
| Ingress protection rating | IP X4 | IP X4 | IP X4 | IP X4 |



■ Specifications

| Parameters | Centro-MZ 150 | Centro-MZ 160 | Centro-MZ 200 L | Centro-MZ 200 |
|--------------------------------------------|---------------|---------------|-----------------|---------------|
| Voltage [V / 50 Hz] | 230 | 230 | 230 | 230 |
| Power [W] | 75 | 78 | 139 | 157 |
| Current [A] | 0,33 | 0,34 | 0,61 | 0,69 |
| Maximum air capacity [m ³ /h] | 455 | 455 | 840 | 1000 |
| RPM [min ⁻¹] | 2770 | 2760 | 2790 | 2740 |
| Sound pressure level at 3 m distance [dBA] | 46 | 46 | 48 | 50 |
| Max. operating temperature [°C] | -25 +55 | -25 +55 | -25 +50 | -25 +45 |
| Ingress protection rating | IP X4 | IP X4 | IP X4 | IP X4 |



■ Specifications

| Parameters | Centro-MZ 250 L | Centro-MZ 250 | Centro-MZ 315 L | Centro-MZ 315 |
|--------------------------------------------|-----------------|---------------|-----------------|---------------|
| Voltage [V / 50 Hz] | 230 | 230 | 230 | 230 |
| Power [W] | 134 | 152 | 151 | 185 |
| Current [A] | 0,59 | 0,66 | 0,66 | 0,81 |
| Maximum air capacity [m ³ /h] | 980 | 1070 | 1330 | 1540 |
| RPM [min ⁻¹] | 2785 | 2765 | 2680 | 2730 |
| Sound pressure level at 3 m distance [dBA] | 51 | 52 | 52 | 53 |
| Max. operating temperature [°C] | -25 +50 | -25 +50 | -25 +50 | -25 +45 |
| Ingress protection rating | IP X4 | IP X4 | IP X4 | IP X4 |

