



## Inline centrifugal fan

# Centro-M

Air capacity — up to 5260 m<sup>3</sup>/h

### ■ Use

- Supply and exhaust ventilation systems installed in various premises.
- Direct mounting into the ventilation ductwork system.
- Compatible with Ø100 up to 450 mm round air ducts.

### ■ Design

- Steel casing with a special polymer atmospheric resistant coating.
- 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-M max**).
- For ventilation of premises with high requirements to noise level low-noise modifications are available (**Centro-M 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.
- The fans with standard sizes from 100 to 315 mm are fixed to wall or ceiling with mounting brackets supplied as a standard.

- The fans with standard sizes from 355 to 450 mm are fixed with mounting angles attached to the casing.



- Flexible air ducts are fixed on fan branch pipes with clamps.

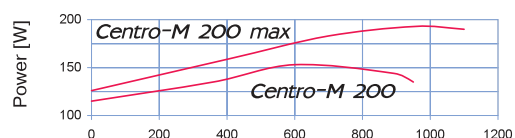
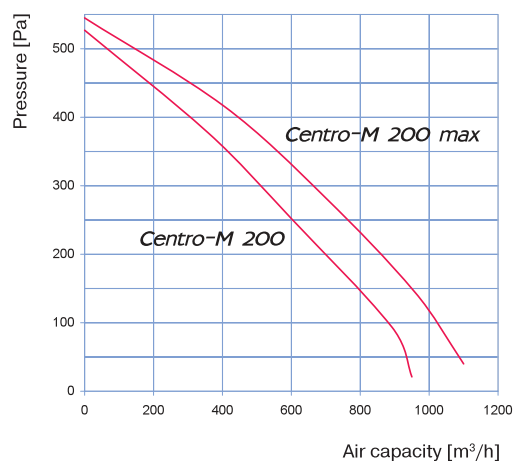
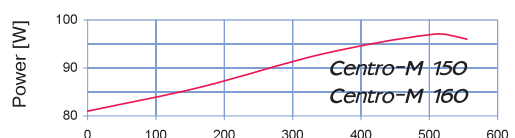
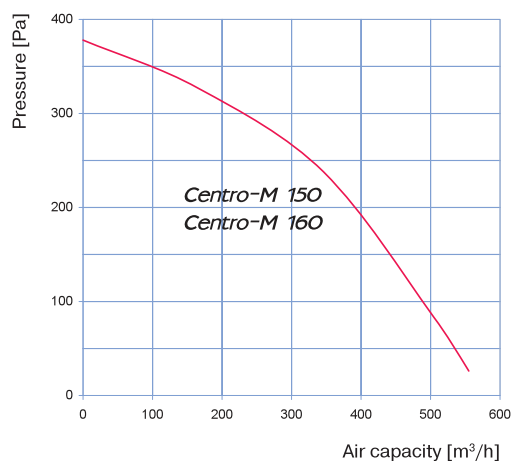
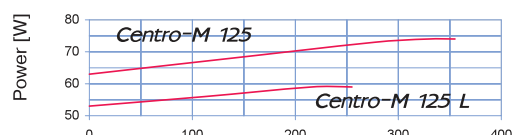
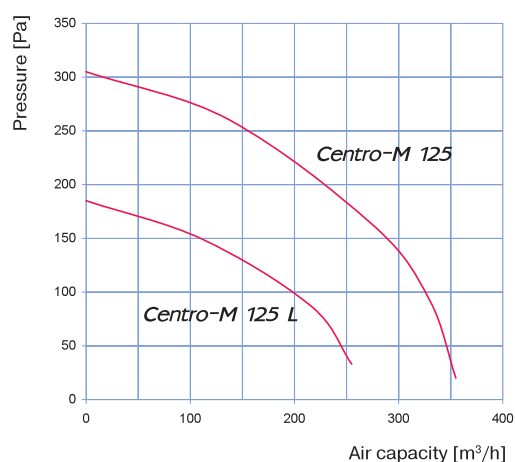
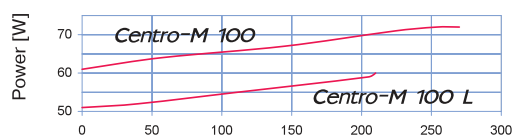
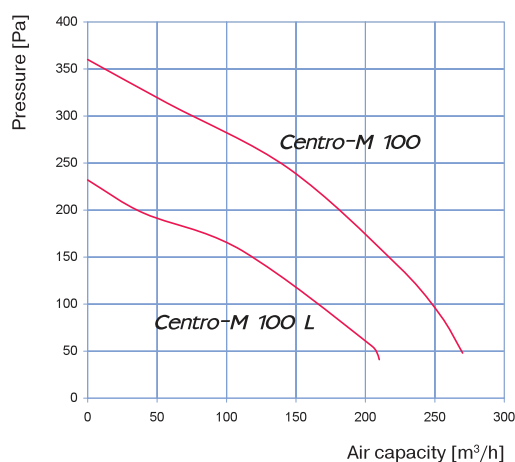
### ■ Modifications and options

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



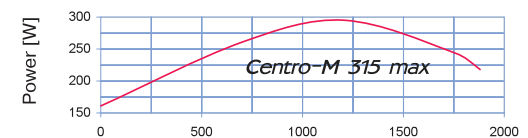
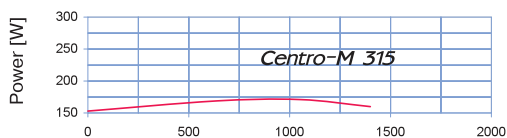
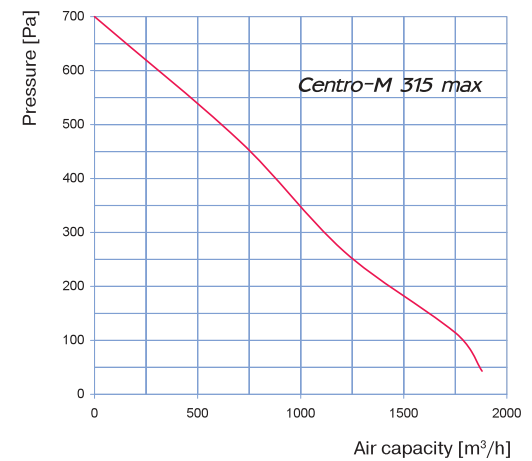
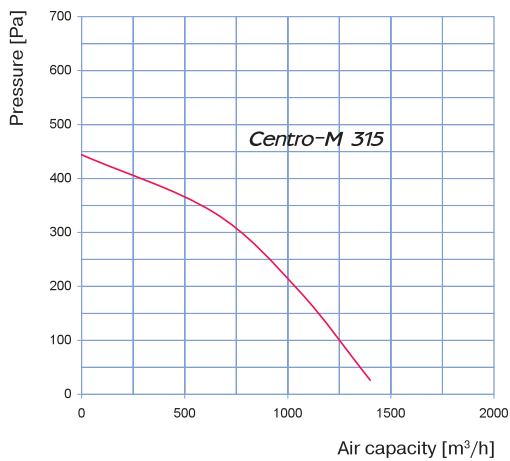
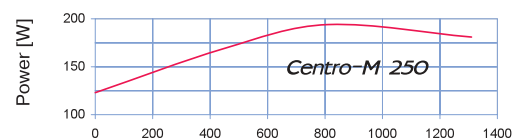
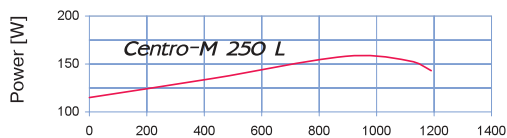
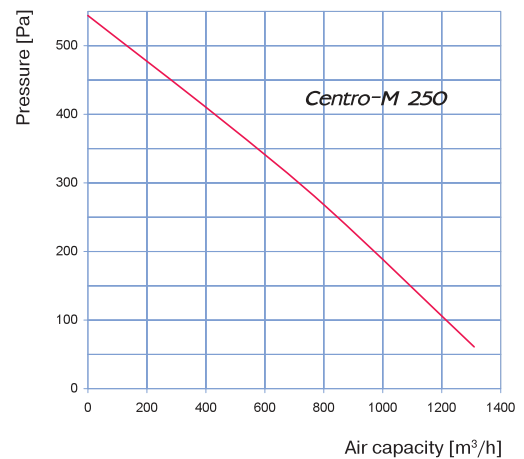
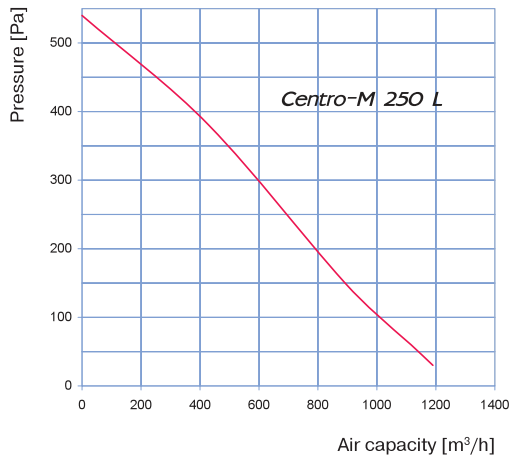
## ■ Specifications

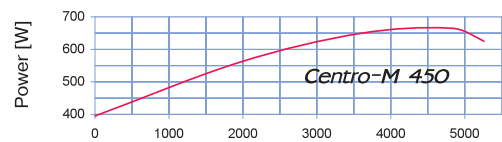
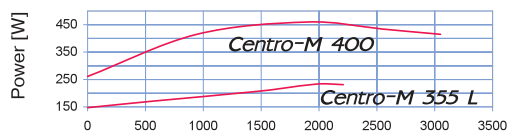
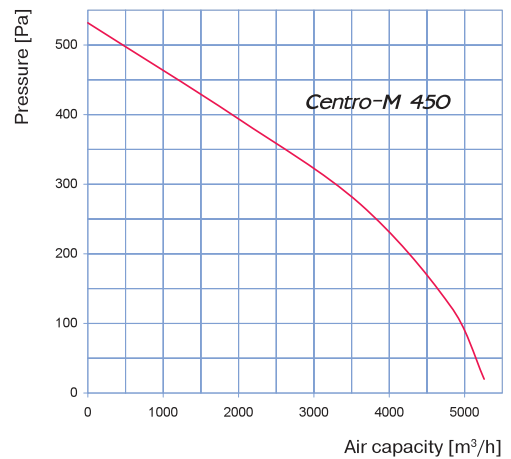
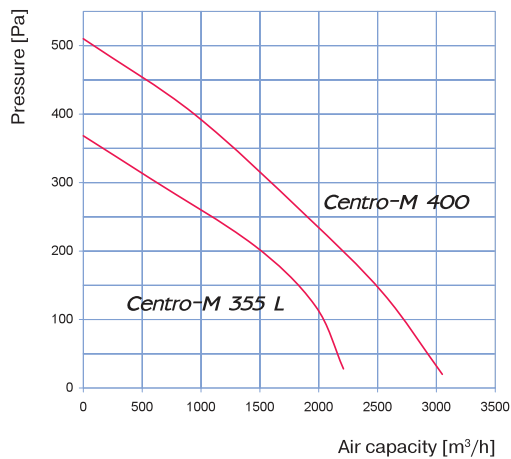
Parameters	Centro-M 100 L	Centro-M 100	Centro-M 125 L	Centro-M 125	Centro-M 150	Centro-M 160	Centro-M 200	Centro-M 200 max
Voltage [V / 50 Hz]	230	230	230	230	230	230	230	230
Power [W]	60	73	60	75	98	98	154	193
Current [A]	0,37	0,32	0,37	0,33	0,43	0,43	0,67	0,84
Maximum air capacity [m <sup>3</sup> /h]	210	270	255	355	555	555	950	1100
RPM [min <sup>-1</sup> ]	2620	2830	2535	2800	2705	2660	2375	2780
Sound pressure level at 3 m distance [dBA]	36	47	36	47	47	47	48	51
Max. operating temperature [°C]	-25 +55	-25 +55	-25 +55	-25 +55	-25 +55	-25 +55	-25 +50	-25 +45
Ingress protection rating	IP X4	IP X4	IP X4	IP X4	IP X4	IP X4	IP X4	IP X4



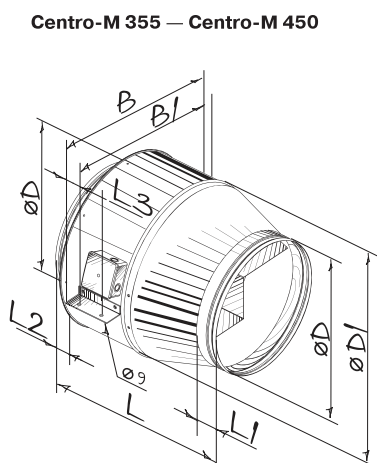
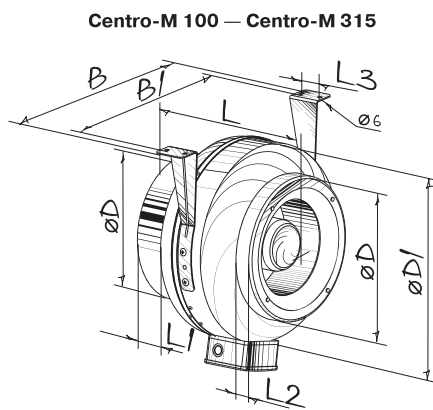
## Specifications

Parameters	Centro-M 250 L	Centro-M 250	Centro-M 315	Centro-M 315 max	Centro-M 355 L	Centro-M 400	Centro-M 450
Voltage [V / 50 Hz]	230	230	230	230	230	230	230
Power [W]	158	194	171	296	233	460	665
Current [A]	0,69	0,85	0,77	1,34	1,06	2,23	2,89
Maximum air capacity [m <sup>3</sup> /h]	1190	1310	1400	1880	2210	3050	5260
RPM [min <sup>-1</sup> ]	2315	2790	2600	2720	1375	1370	1265
Sound pressure level at 3 m distance [dBA]	52	52	52	54	58	61	65
Max. operating temperature [°C]	-25 +50	-25 +50	-25 +50	-25 +45	-25 +45	-40 +80	-40 +70
Ingress protection rating	IP X4	IP X4	IP X4	IP X4	IP X4	IP X4	IP X4





## Overall dimensions



Type	Dimensions [mm]								Weight [kg]
	øD	øD1	B	B1	L	L1	L2	L3	
Centro-M 100 L	98	254	298	258	205	20	25	30	4,2
Centro-M 100	98	254	298	258	205	20	25	30	4,4
Centro-M 125 L	123	254	298	258	205	20	25	30	4,1
Centro-M 125	123	254	298	258	205	20	25	30	4,3
Centro-M 150	149	304	349	309	220	25	25	30	5,4
Centro-M 160	159	304	357	317	220	25	25	30	5,6
Centro-M 200	198	344	390	350	240	25	29	40	6,6
Centro-M 200 max	198	344	390	350	250	25	29	40	6,7
Centro-M 250 L	248	344	390	350	249	25	31	40	7,1
Centro-M 250	248	344	390	350	249	25	31	40	7,3
Centro-M 315	314	404	454	414	260	25	40	40	8,1
Centro-M 315 max	314	404	454	414	288	25	40	40	8,2
Centro-M 355 L	353	460	522	522	506	60	60	70	12,8
Centro-M 400	398	570	663	634	570	60	60	70	20,0
Centro-M 450	448	608	700	670	644	60	60	80	30,0