



Inline centrifugal fan

Centro

Air capacity — up to 1700 m³/h

by

NATIONAL
AIR PARTS
HVAC & Refrigeration Equipment

Use

- Supply and exhaust ventilation systems installed in various premises.
- Mounting in kitchens, bathrooms and other humid premises.
- Compatible with Ø100 up to 315 mm round air ducts.

Design

- Impact- and corrosion-resistant ABS plastic casing.
- Aerodynamically shaped casing.
- Centro 150 is compatible with 150 and 160 mm air ducts.

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 max**).
- For ventilation of premises with high requirements to noise level low-noise modifications are available (**Centro L**)

Speed control

- Smooth speed control with a built-in electronic speed controller (option **FR**).
- Smooth speed control with an external thyristor controller or step speed control with an external auto transformer (both available upon separate order).

Mounting

- Due to compact design the fan is the ideal solution for mounting in limited spaces.
- Any mounting position.
- Wall or ceiling mounting with fixing brackets supplied as a standard or with a wire frame **Halter Centro** (available upon separate order).
- Flexible air ducts are fixed on fan branch pipes with clamps.



Modifications and options

- FR** – integrated smooth speed controller, power cord with a socket or a plug (**FR1**).



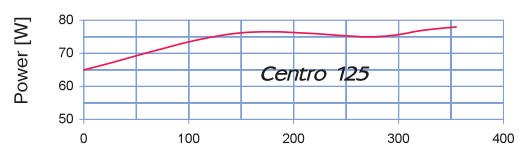
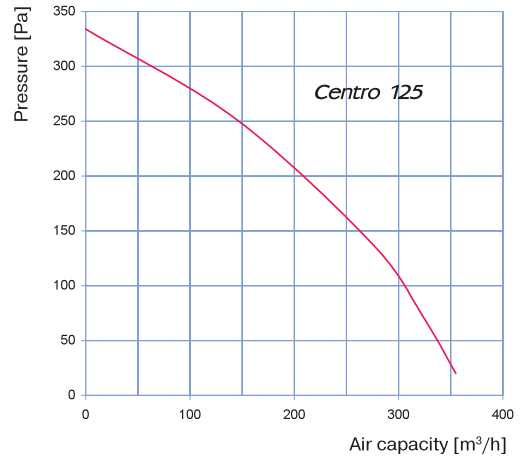
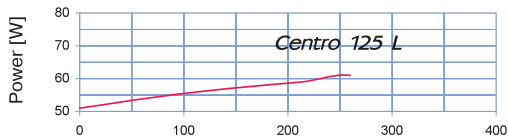
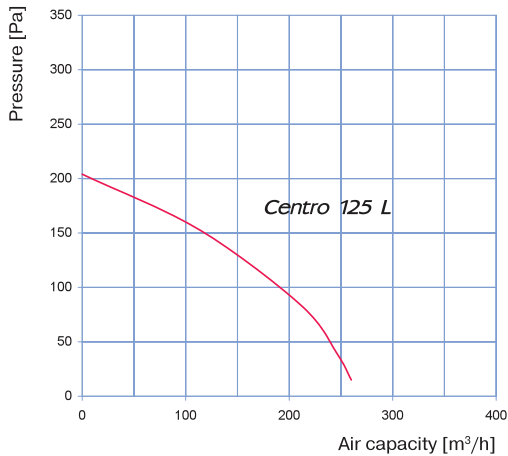
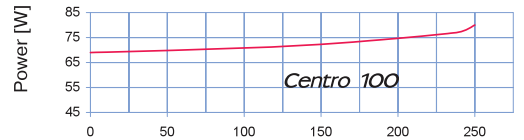
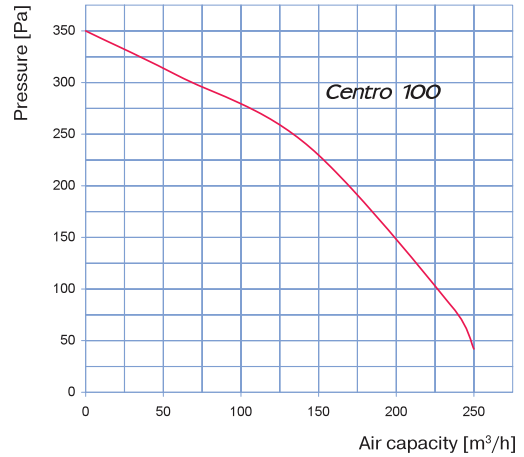
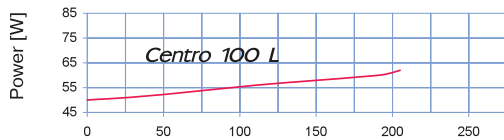
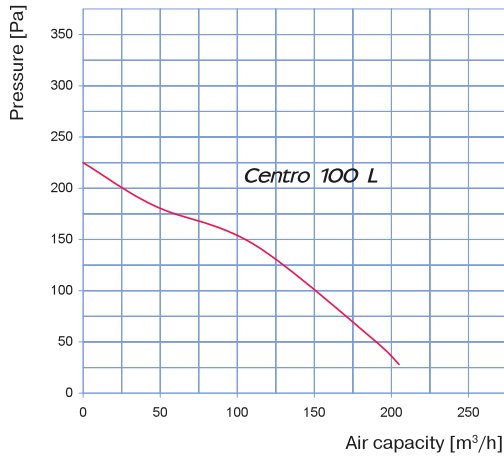
- max** – high-powered motor.
- L** – low-noise fan modification.
- G** – temperature and speed controller with external temperature sensor (with 4 m cable). The fan is equipped with a power cord with a socket or a plug (**G1**).



- G1** – temperature and speed controller with a sensor built into the fan casing. The fan is equipped with a power cord with a socket or plug (**G11**). G and G1 options are used for automatic speed control depending on indoor temperature. The best ventilation solution for premises requiring permanent temperature control as greenhouses, orangeries, etc.
- W** – the fans is equipped with a power cord and a socket or plug (**W1**).

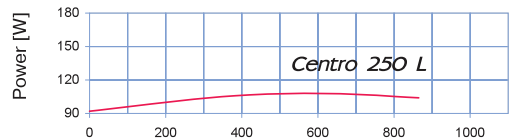
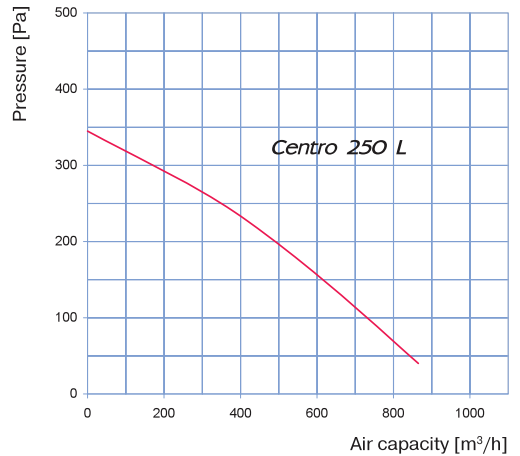
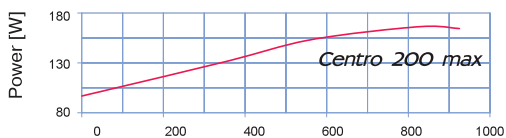
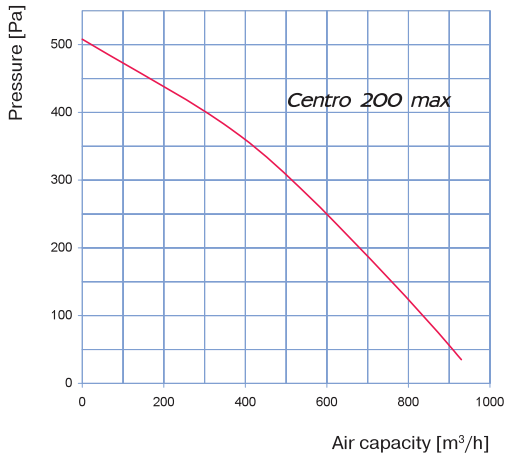
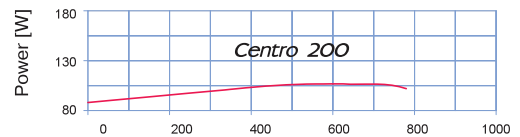
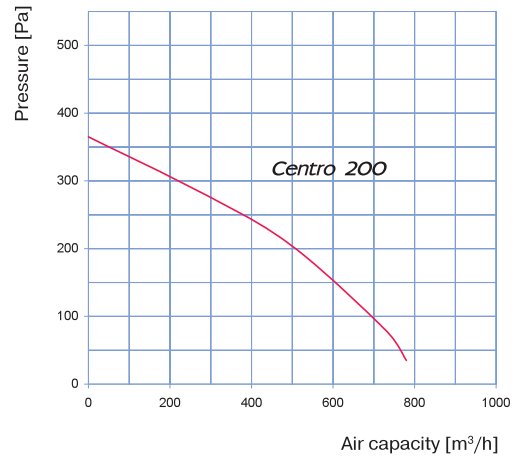
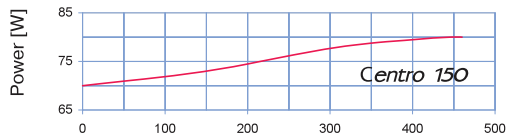
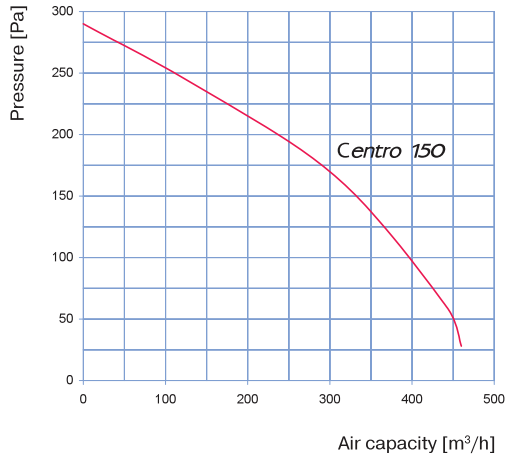
■ Specifications

Parameters	Centro 100 L	Centro 100	Centro 125 L	Centro 125
Voltage [V / 50 Hz]	230	230	230	230
Power [W]	62	80	61	79
Current [A]	0,38	0,34	0,38	0,34
Maximum air capacity [m ³ /h]	205	250	260	355
RPM [min ⁻¹]	2650	2820	2610	2800
Sound pressure level at 3 m distance [dBA]	36	46	36	46
Max. operating temperature [°C]	-25 +55	-25 +55	-25 +55	-25 +55
Ingress protection rating	IP X4	IP X4	IP X4	IP X4



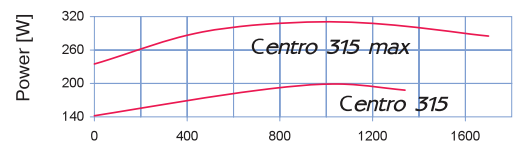
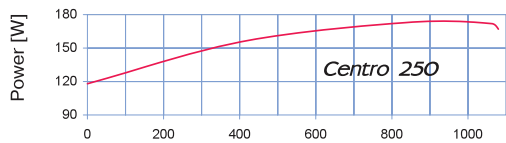
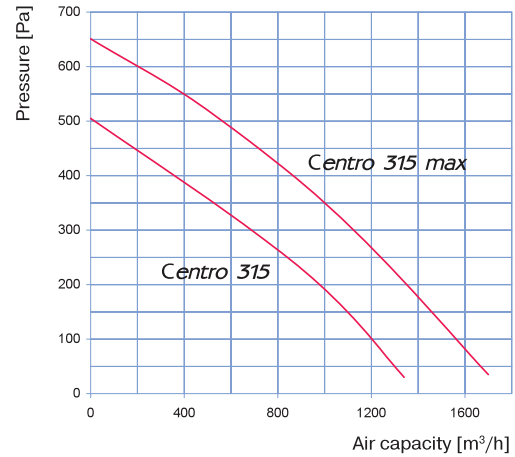
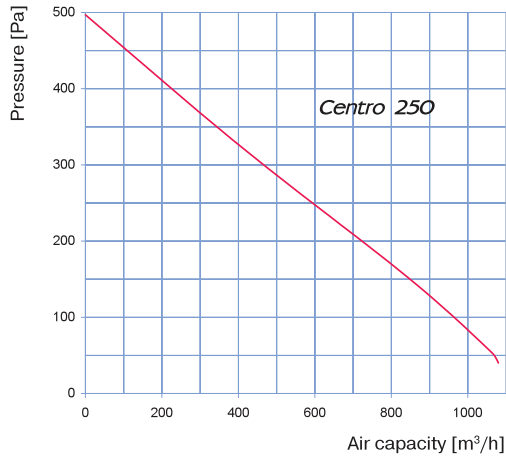
■ Specifications

Parameters	Centro 150	Centro 200	Centro 200 max	Centro 250 L
Voltage [V / 50 Hz]	230	230	230	230
Power [W]	80	107	173	108
Current [A]	0,35	0,47	0,76	0,47
Maximum air capacity [m ³ /h]	460	780	930	865
RPM [min ⁻¹]	2725	2660	2125	2560
Sound pressure level at 3 m distance [dBA]	46	48	51	51
Max. operating temperature [°C]	-25 +55	-25 +50	-25 +45	-25 +50
Ingress protection rating	IP X4	IP X4	IP X4	IP X4

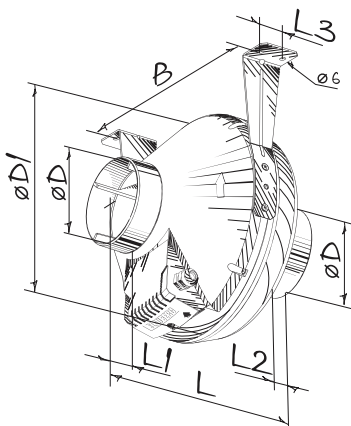


■ Specifications

Parameters	Centro 250	Centro 315	Centro 315 max
Voltage [V / 50 Hz]	230	230	230
Power [W]	173	200	310
Current [A]	0,76	0,88	1,36
Maximum air capacity [m³/h]	1080	1340	1700
RPM [min ⁻¹]	2090	2655	2590
Sound pressure level at 3 m distance [dBA]	50	50	53
Max. operating temperature [°C]	-25 +50	-25 +50	-25 +45
Ingress protection rating	IP X4	IP X4	IP X4



■ Overall dimensions



Type	Dimensions [mm]							Weight [kg]
	øD	øD1	B	L	L1	L2	L3	
Centro 100 L / Centro 100	100	250	270	230	30	27	30	2,15
Centro 125 L / Centro 125	125	250	270	220	30	27	30	2,2
Centro 150	150 / 160	300	310	286	30	30	30	2,6
Centro 200	200	340	354	276	30	30	40	4,0
Centro 200 max	200	340	354	276	30	30	40	4,3
Centro 250 L / Centro 250	250	340	354	265	30	30	40	4,5
Centro 315	315	400	414	276	40	55	40	5,1
Centro 315 max	315	400	414	276	40	55	40	5,2