

Centro-M

Inline centrifugal fans

Use

- Supply and extract ventilation systems installed in various premises.
- Direct mounting inside air ductworks.
- Compatible with Ø 100 to 450 mm round air ducts.



Air flow:
up to 6280 m³/h
1745 l/s



Power:
from 45 W



Noise level:
from 38 dBA



Design

- The casing is made of steel with a special polymer coating.
- Aerodynamically shaped casing.
- External terminal box for connection to power mains.

Motor

- Single-phase external rotor motor with a centrifugal impeller with backward curved blades.
- Equipped with ball bearings for longer service life.
- Overheat protection with built-in thermal switches with automatic restart.
- Dynamically balanced impeller.
- 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

- Step speed control with an external auto transformer (available upon separate order).

Mounting

- Any mounting position.
- The fans with the connecting diameter from 100 up to 315 mm are fixed to wall or ceiling with mounting brackets supplied as a standard.
- The fans with the connecting diameter from 355 up to 450 mm are fixed with mounting brackets fixed on the casing.
- Flexible air ducts are fixed on the fan spigots with clamps.

Modifications and options

- max:** high-powered motor.
- L:** low-powered and low-noise motor.
- E:** energy-efficient motor with low power consumption.
- FR1 (for standard sizes 100–315):** smooth speed controller adjustable from 0 to 100 % and power cable with mains plug.



- G1:** speed controller, temperature controller with external temperature sensor (cable length 4 m), power cable with mains plug.
- W1:** power cable with mains plug.



Centro-M 100 – Centro-M 315



Centro-M 355 – Centro-M 450

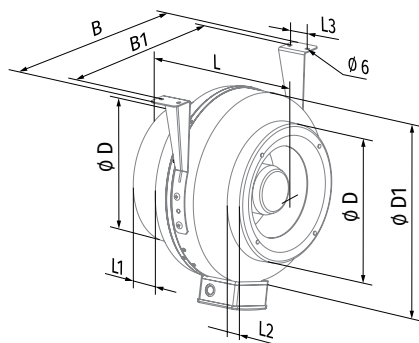
Accessories

| Silencers | Filter boxes | Electric heaters | Water heaters | Backdraft air dampers | Air dampers | Clamps | Speed controllers |
|-----------|--------------|------------------|---------------|-----------------------|-------------|--------|------------------------------|
| | | | | | | | |
| SD | KFBK KFBT | EKH | WKH | VRV | VK / VKA | K | CDT1 E CDT E1.8 CDTE E... TP |

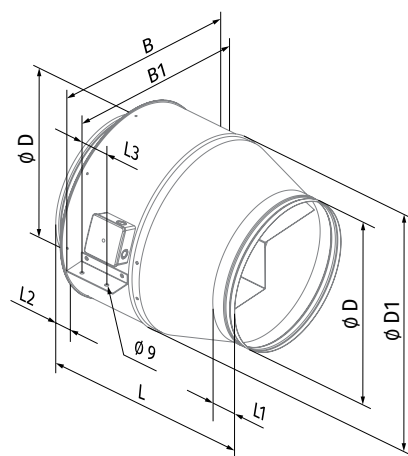
| Designation key | | | |
|-----------------|--|--|---|
| Series | Duct diameter [mm] | Motor modifications | Options |
| Centro-M | 100; 125; 150; 160; 200; 250; 315; 355; 400; 450 | max: high-powered motor L: low-powered motor E: motor with low power consumption | FR1 (for standard sizes 100-315): smooth speed controller adjustable from 0 to 100 % and power cable with mains plug G1: speed controller, temperature controller with external temperature sensor, power cable with mains plug W1: power cable with mains plug |

Overall dimensions [mm]

| Type | ∅ D | ∅ D1 | B | B1 | L | L1 | L2 | L3 | Weight [kg] |
|------------------|-----|------|-----|-----|-----|----|----|----|-------------|
| Centro-M 100 L | 98 | 255 | 310 | 270 | 205 | 20 | 25 | 30 | 2.1 |
| Centro-M 100 | 98 | 255 | 310 | 270 | 205 | 20 | 25 | 30 | 2.4 |
| Centro-M 125 L | 123 | 255 | 310 | 270 | 205 | 20 | 25 | 30 | 2.9 |
| Centro-M 125 | 123 | 255 | 310 | 270 | 205 | 20 | 25 | 30 | 3.2 |
| Centro-M 150 | 149 | 345 | 395 | 355 | 200 | 20 | 20 | 40 | 4.7 |
| Centro-M 150 max | 149 | 345 | 395 | 355 | 230 | 20 | 20 | 40 | 5.4 |
| Centro-M 160 | 159 | 305 | 360 | 320 | 220 | 25 | 25 | 30 | 5.0 |
| Centro-M 160 max | 158 | 340 | 390 | 350 | 245 | 25 | 20 | 40 | 6.4 |
| Centro-M 200 | 198 | 345 | 395 | 355 | 255 | 25 | 30 | 40 | 6.6 |
| Centro-M 200 max | 198 | 345 | 395 | 355 | 255 | 25 | 30 | 40 | 8.3 |
| Centro-M 250 E | 248 | 345 | 395 | 355 | 250 | 25 | 30 | 40 | 6.2 |
| Centro-M 250 | 248 | 345 | 395 | 355 | 250 | 25 | 30 | 40 | 8.4 |
| Centro-M 315 | 314 | 405 | 455 | 415 | 260 | 30 | 30 | 40 | 8.0 |
| Centro-M 315 max | 314 | 405 | 455 | 415 | 290 | 30 | 30 | 40 | 8.8 |
| Centro-M 355 L | 353 | 460 | 522 | 522 | 506 | 60 | 60 | 70 | 18.8 |
| Centro-M 400 | 398 | 570 | 663 | 634 | 570 | 60 | 60 | 70 | 25.1 |
| Centro-M 450 | 448 | 608 | 700 | 670 | 644 | 60 | 60 | 80 | 27.26 |



Centro-M 100 – Centro-M 315



Centro-M 355 – Centro-M 450

Technical data

| Parameters | Centro-M 100 L | | Centro-M 100 | | Centro-M 125 L | | Centro-M 125 | |
|-----------------------------------|----------------|----------|--------------|----------|----------------|-----------|--------------|----------|
| Voltage [V] | 1 ~ 220-240 | | 1 ~ 220-240 | | 1 ~ 220-240 | | 1 ~ 220-240 | |
| Frequency [Hz] | 50 | 60 | 50 | 60 | 50 | 60 | 50 | 60 |
| Power [W] | 45 | 50 | 60 | 82 | 47 | 54 | 64 | 85 |
| Current [A] | 0.24 | 0.23 | 0.28 | 0.36 | 0.25 | 0.24 | 0.29 | 0.37 |
| Air flow [m³/h (l/s)] | 233 (65) | 267 (74) | 279 (78) | 278 (77) | 326 (91) | 370 (103) | 360 (100) | 357 (99) |
| RPM [min⁻¹] | 2780 | 3300 | 2840 | 3320 | 2760 | 3240 | 2840 | 3300 |
| Sound pressure level at 3 m [dBA] | 38 | 39 | 40 | 41 | 37 | 38 | 40 | 42 |
| Transported air temperature [°C] | -25...+45 | | -25...+45 | | -25...+45 | | -25...+45 | |
| SEC class | C | - | C | - | C | - | C | - |
| IP rating | IPX4 | | IPX4 | | IPX4 | | IPX4 | |
| Motor IP rating | IP44 | | IP44 | | IP44 | | IP44 | |
| ErP | 2018 | - | 2018 | - | 2018 | - | 2018 | - |

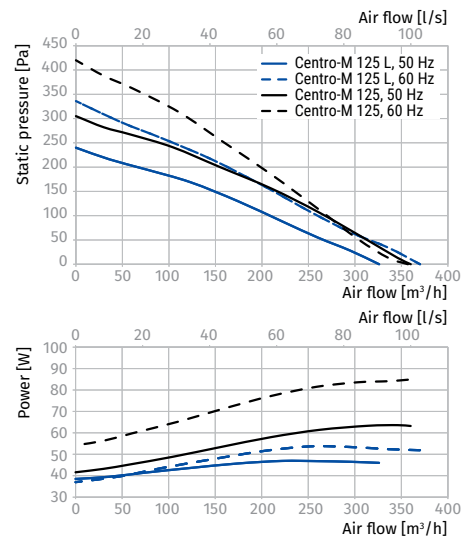
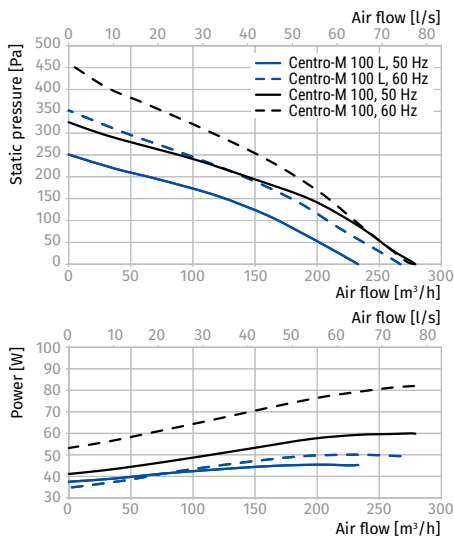
To comply with ErP 2018 it is necessary to use a speed controller and local demand control typology (connect the sensor).

CENTRO-M 100 L, CENTRO-M 100

| Sound power level, A-weighted | Total | Octave frequency bands [Hz] | | | | | | | | LpA 3 m | LpA 1 m |
|-------------------------------|-------|-----------------------------|-----|-----|-----|------|------|------|------|---------|---------|
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | | |
| Centro-M 100 L | | | | | | | | | | | |
| LWA to inlet [dBA] | 78 | 56 | 70 | 77 | 68 | 63 | 59 | 53 | 43 | 58 | 68 |
| LWA to outlet [dBA] | 77 | 63 | 70 | 75 | 67 | 60 | 56 | 52 | 41 | 57 | 67 |
| LWA to environment [dBA] | 59 | 27 | 47 | 49 | 53 | 54 | 51 | 42 | 32 | 38 | 48 |
| Centro-M 100 | | | | | | | | | | | |
| LWA to inlet [dBA] | 84 | 56 | 76 | 82 | 72 | 68 | 65 | 59 | 50 | 63 | 73 |
| LWA to outlet [dBA] | 83 | 63 | 76 | 81 | 71 | 65 | 62 | 57 | 49 | 62 | 72 |
| LWA to environment [dBA] | 60 | 29 | 44 | 52 | 55 | 54 | 54 | 44 | 31 | 40 | 50 |

CENTRO-M 125 L, CENTRO-M 125

| Sound power level, A-weighted | Total | Octave frequency bands [Hz] | | | | | | | | LpA 3 m | LpA 1 m |
|-------------------------------|-------|-----------------------------|-----|-----|-----|------|------|------|------|---------|---------|
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | | |
| Centro-M 125 L | | | | | | | | | | | |
| LWA to inlet [dBA] | 79 | 57 | 71 | 77 | 69 | 64 | 60 | 54 | 43 | 58 | 68 |
| LWA to outlet [dBA] | 78 | 64 | 71 | 76 | 68 | 61 | 57 | 53 | 41 | 58 | 68 |
| LWA to environment [dBA] | 58 | 27 | 46 | 48 | 52 | 53 | 50 | 41 | 32 | 37 | 47 |
| Centro-M 125 | | | | | | | | | | | |
| LWA to inlet [dBA] | 83 | 60 | 75 | 81 | 73 | 67 | 63 | 57 | 46 | 62 | 72 |
| LWA to outlet [dBA] | 82 | 67 | 75 | 80 | 72 | 64 | 60 | 55 | 44 | 61 | 71 |
| LWA to environment [dBA] | 61 | 28 | 49 | 51 | 55 | 57 | 53 | 44 | 34 | 40 | 50 |



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| Parameters | Centro-M 150 | | Centro-M 150 max | | Centro-M 160 | | Centro-M 160 max | |
|-----------------------------------|--------------|-----------|------------------|-----------|--------------|-----------|------------------|-----------|
| Voltage [V] | 1 ~ 220-240 | | 1 ~ 220-240 | | 1 ~ 220-240 | | 1 ~ 220-240 | |
| Frequency [Hz] | 50 | 60 | 50 | 60 | 50 | 60 | 50 | 60 |
| Power [W] | 100 | 125 | 127 | 174 | 99 | 137 | 121 | 170 |
| Current [A] | 0.45 | 0.55 | 0.55 | 0.76 | 0.44 | 0.61 | 0.53 | 0.75 |
| Air flow [m³/h (l/s)] | 580 (161) | 610 (169) | 710 (197) | 750 (208) | 567 (158) | 575 (160) | 690 (192) | 730 (203) |
| RPM [min ⁻¹] | 2700 | 3100 | 2760 | 3150 | 2770 | 3160 | 2800 | 3210 |
| Sound pressure level at 3 m [dBA] | 45 | 46 | 48 | 49 | 45 | 47 | 48 | 49 |
| Transported air temperature [°C] | -25...+45 | | -25...+45 | | -25...+45 | | -25...+45 | |
| SEC class | C | - | C | - | C | - | C | - |
| IP rating | IPX4 | | IPX4 | | IPX4 | | IPX4 | |
| Motor IP rating | IP44 | | IP44 | | IP44 | | IP44 | |
| ErP | 2018 | - | 2018 | - | 2018 | - | 2018 | - |

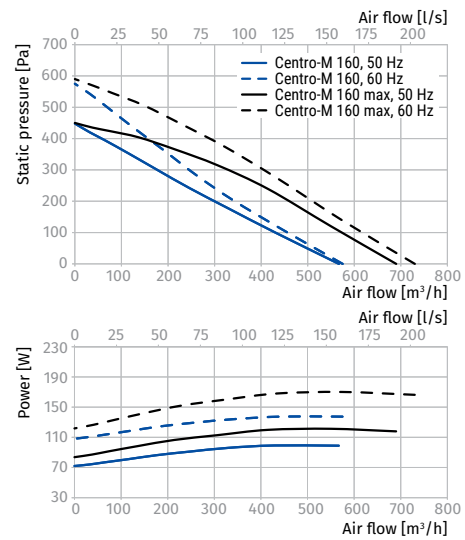
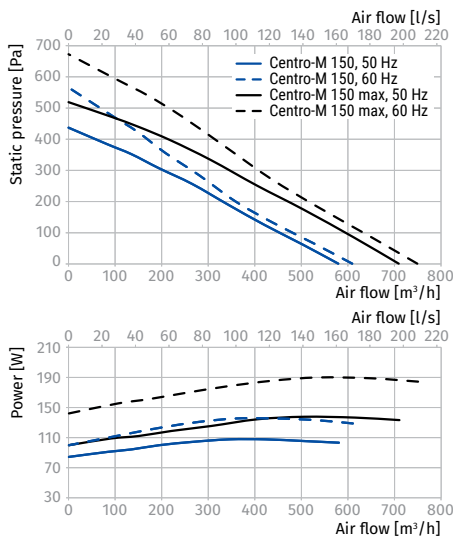
To comply with ErP 2018 it is necessary to use a speed controller and local demand control typology (connect the sensor).

CENTRO-M 150, CENTRO-M 150 MAX

| Sound power level, A-weighted | Total | Octave frequency bands [Hz] | | | | | | | | LpA 3 m | LpA 1 m |
|-------------------------------|-------|-----------------------------|-----|-----|-----|------|------|------|------|---------|---------|
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | | |
| Centro-M 150 | | | | | | | | | | | |
| LWA to inlet [dBA] | 90 | 53 | 87 | 86 | 75 | 74 | 71 | 68 | 54 | 69 | 79 |
| LWA to outlet [dBA] | 90 | 53 | 88 | 85 | 72 | 71 | 66 | 65 | 52 | 69 | 79 |
| LWA to environment [dBA] | 66 | 28 | 49 | 58 | 60 | 60 | 60 | 50 | 37 | 45 | 55 |
| Centro-M 150 max | | | | | | | | | | | |
| LWA to inlet [dBA] | 94 | 56 | 91 | 90 | 79 | 78 | 75 | 71 | 57 | 74 | 84 |
| LWA to outlet [dBA] | 94 | 56 | 92 | 89 | 76 | 75 | 69 | 68 | 55 | 74 | 84 |
| LWA to environment [dBA] | 68 | 29 | 51 | 61 | 63 | 63 | 63 | 52 | 39 | 48 | 58 |

CENTRO-M 160, CENTRO-M 160 MAX

| Sound power level, A-weighted | Total | Octave frequency bands [Hz] | | | | | | | | LpA 3 m | LpA 1 m |
|-------------------------------|-------|-----------------------------|-----|-----|-----|------|------|------|------|---------|---------|
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | | |
| Centro-M 160 | | | | | | | | | | | |
| LWA to inlet [dBA] | 88 | 52 | 85 | 84 | 74 | 73 | 70 | 67 | 53 | 68 | 78 |
| LWA to outlet [dBA] | 87 | 51 | 85 | 82 | 70 | 69 | 64 | 63 | 50 | 67 | 77 |
| LWA to environment [dBA] | 65 | 28 | 48 | 58 | 58 | 60 | 59 | 51 | 38 | 45 | 55 |
| Centro-M 160 max | | | | | | | | | | | |
| LWA to inlet [dBA] | 93 | 55 | 90 | 89 | 78 | 77 | 74 | 71 | 56 | 73 | 83 |
| LWA to outlet [dBA] | 93 | 55 | 92 | 88 | 75 | 74 | 69 | 68 | 54 | 73 | 83 |
| LWA to environment [dBA] | 68 | 29 | 51 | 60 | 63 | 63 | 63 | 52 | 38 | 48 | 58 |



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| Parameters | Centro-M 200 | | Centro-M 200 max | | Centro-M 250 E | | Centro-M 250 | |
|-----------------------------------|--------------|------------|------------------|------------|----------------|------------|--------------|----|
| Voltage [V] | 1 ~ 220-240 | | 1 ~ 220-240 | | 1 ~ 220-240 | | 1 ~ 220-240 | |
| Frequency [Hz] | 50 | 60 | 50 | 60 | 50 | 50 | 60 | 60 |
| Power [W] | 135 | 182 | 193 | 240 | 95 | 194 | 240 | |
| Current [A] | 0.59 | 0.79 | 0.84 | 1.05 | 0.47 | 0.85 | 1.05 | |
| Air flow [m³/h (l/s)] | 1070 (294) | 1220 (339) | 1150 (319) | 1200 (333) | 900 (250) | 1420 (394) | 1520 (422) | |
| RPM [min⁻¹] | 2710 | 3120 | 2780 | 2850 | 2050 | 2790 | 2860 | |
| Sound pressure level at 3 m [dBA] | 48 | 50 | 49 | 49 | 47 | 50 | 51 | |
| Transported air temperature [°C] | -25...+45 | | -25...+45 | | -25...+45 | | -25...+45 | |
| SEC class | C | - | - | - | C | - | - | |
| IP rating | IPX4 | | IPX4 | | IPX4 | | IPX4 | |
| Motor IP rating | IP44 | | IP44 | | IP44 | | IP44 | |
| ErP | 2018 | - | 2018 | - | 2018 | 2018 | - | |

To comply with ErP 2018 it is necessary to use a speed controller and local demand control typology (connect the sensor).

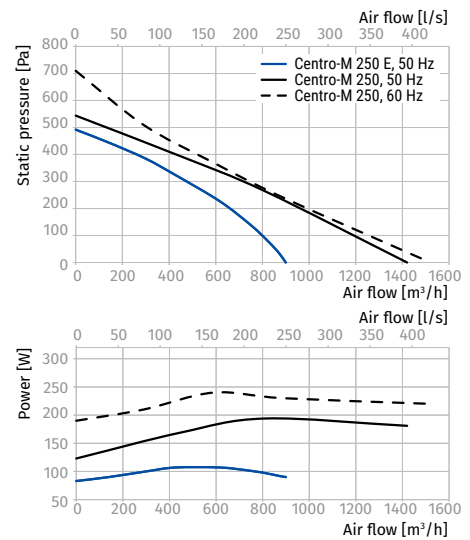
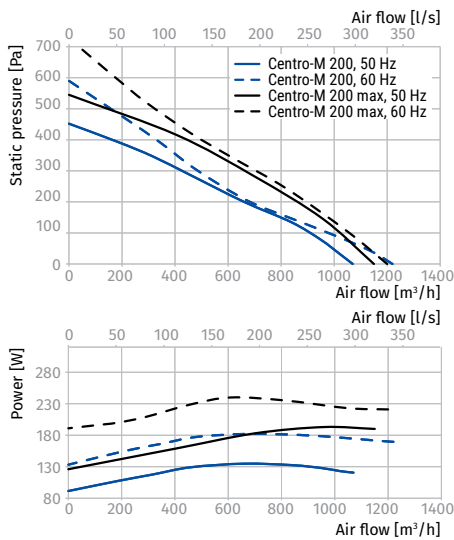
CENTRO-M 200, CENTRO-M 200 MAX

| Sound power level, A-weighted | Total | Octave frequency bands [Hz] | | | | | | | LpA 3 m | LpA 1 m | |
|-------------------------------|-------|-----------------------------|-----|-----|-----|------|------|------|---------|---------|------|
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | | | 8000 |
| Centro-M 200 | | | | | | | | | | | |
| LWA to inlet [dBA] | 90 | 49 | 78 | 87 | 81 | 81 | 82 | 74 | 63 | 69 | 79 |
| LWA to outlet [dBA] | 87 | 46 | 77 | 81 | 79 | 79 | 82 | 74 | 64 | 67 | 77 |
| LWA to environment [dBA] | 68 | 29 | 52 | 60 | 63 | 63 | 62 | 53 | 39 | 48 | 58 |
| Centro-M 200 max | | | | | | | | | | | |
| LWA to inlet [dBA] | 95 | 56 | 92 | 91 | 79 | 78 | 75 | 72 | 57 | 74 | 84 |
| LWA to outlet [dBA] | 94 | 56 | 92 | 89 | 75 | 74 | 69 | 68 | 54 | 74 | 84 |
| LWA to environment [dBA] | 70 | 29 | 52 | 62 | 64 | 64 | 64 | 53 | 39 | 49 | 59 |

CENTRO-M 250 E, CENTRO-M 250

| Sound power level, A-weighted | Total | Octave frequency bands [Hz] | | | | | | | LpA 3 m | LpA 1 m | |
|-------------------------------|-------|-----------------------------|-----|-----|-----|------|------|------|---------|---------|------|
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | | | 8000 |
| Centro-M 250 E | | | | | | | | | | | |
| LWA to inlet [dBA] | 89 | 60 | 76 | 83 | 81 | 83 | 79 | 75 | 64 | 68 | 78 |
| LWA to outlet [dBA] | 87 | 63 | 75 | 72 | 80 | 82 | 80 | 75 | 62 | 66 | 76 |
| LWA to environment [dBA] | 67 | 34 | 48 | 59 | 62 | 62 | 60 | 49 | 38 | 47 | 57 |
| Centro-M 250 | | | | | | | | | | | |
| LWA to inlet [dBA] | 90 | 61 | 78 | 85 | 83 | 85 | 81 | 77 | 65 | 70 | 80 |
| LWA to outlet [dBA] | 88 | 64 | 77 | 73 | 82 | 84 | 82 | 77 | 63 | 68 | 78 |
| LWA to environment [dBA] | 71 | 38 | 52 | 62 | 66 | 65 | 64 | 58 | 44 | 50 | 60 |

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| Parameters | Centro-M 315 | | Centro-M 315 max | Centro-M 315 max (220V/60Hz) |
|-----------------------------------|--------------|------------|------------------|------------------------------|
| Voltage [V] | 1 ~ 220-240 | | 1 ~ 220-240 | 1 ~ 220-240 |
| Frequency [Hz] | 50 | 60 | 50 | 60 |
| Power [W] | 171 | 241 | 295 | 285 |
| Current [A] | 0.77 | 1.05 | 1.34 | 1.23 |
| Air flow [m³/h (l/s)] | 1440 (400) | 1550 (431) | 1920 (533) | 1655 (460) |
| RPM [min⁻¹] | 2600 | 2850 | 2720 | 3024 |
| Sound pressure level at 3 m [dBA] | 52 | 53 | 54 | 56 |
| Transported air temperature [°C] | -25...+45 | | -25...+45 | -25...+50 |
| SEC class | - | - | - | - |
| IP rating | IPX4 | | IPX4 | IPX4 |
| Motor IP rating | IP44 | | IP44 | IP44 |
| ErP | 2018 | - | 2018 | - |

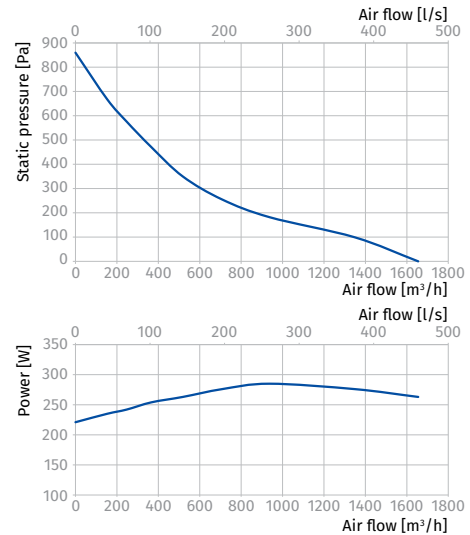
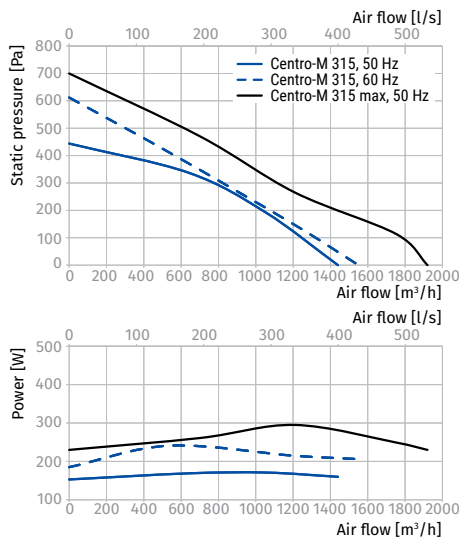
To comply with ErP 2018 it is necessary to use a speed controller and local demand control typology (connect the sensor).

CENTRO-M 315, CENTRO-M 315 MAX

| Sound power level, A-weighted | Total | Octave frequency bands [Hz] | | | | | | | | LpA 3 m | LpA 1 m |
|-------------------------------|-------|-----------------------------|-----|-----|-----|------|------|------|------|---------|---------|
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | | |
| Centro-M 315 | | | | | | | | | | | |
| LWA to inlet [dBA] | 92 | 62 | 80 | 87 | 85 | 87 | 83 | 79 | 66 | 71 | 81 |
| LWA to outlet [dBA] | 91 | 66 | 79 | 75 | 84 | 87 | 84 | 79 | 65 | 70 | 80 |
| LWA to environment [dBA] | 72 | 37 | 51 | 64 | 67 | 67 | 65 | 53 | 41 | 52 | 62 |
| Centro-M 315 max | | | | | | | | | | | |
| LWA to inlet [dBA] | 94 | 63 | 81 | 88 | 86 | 88 | 84 | 80 | 68 | 73 | 83 |
| LWA to outlet [dBA] | 92 | 67 | 81 | 77 | 86 | 88 | 86 | 81 | 66 | 72 | 82 |
| LWA to environment [dBA] | 74 | 38 | 53 | 66 | 69 | 69 | 67 | 54 | 42 | 54 | 64 |

CENTRO-M 315 MAX (220V/60HZ)

| Sound power level, A-weighted | Total | Octave frequency bands [Hz] | | | | | | | | LpA 3 m | LpA 1 m |
|-------------------------------|-------|-----------------------------|-----|-----|-----|------|------|------|------|---------|---------|
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | | |
| LWA to inlet [dBA] | 92 | 67 | 81 | 77 | 86 | 88 | 86 | 81 | 66 | 72 | 82 |
| LWA to outlet [dBA] | 92 | 62 | 80 | 87 | 85 | 87 | 83 | 79 | 66 | 71 | 81 |
| LWA to environment [dBA] | 77 | 55 | 75 | 71 | 57 | 48 | 41 | 41 | 34 | 56 | 66 |



| Parameters | Centro-M 355 L | | Centro-M 400 | |
|-----------------------------------|----------------|------------|--------------|------------|
| Voltage [V] | 1 ~ 220-240 | | 1 ~ 220-240 | |
| Frequency [Hz] | 50 | 60 | 50 | 60 |
| Power [W] | 233 | 297 | 460 | 673 |
| Current [A] | 1.06 | 1.30 | 2.23 | 3.05 |
| Air flow [m³/h (l/s)] | 2250 (625) | 2350 (653) | 3090 (858) | 3500 (972) |
| RPM [min⁻¹] | 1375 | 1620 | 1370 | 1585 |
| Sound pressure level at 3 m [dBA] | 58 | 59 | 61 | 64 |
| Transported air temperature [°C] | -25...+45 | | -40...+80 | |
| SEC class | - | - | - | - |
| IP rating | IPX4 | | IPX4 | |
| Motor IP rating | IP44 | | IP44 | |
| ErP | 2018 | - | - | - |

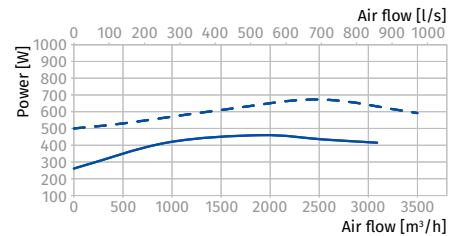
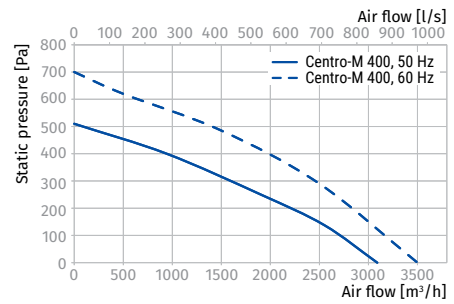
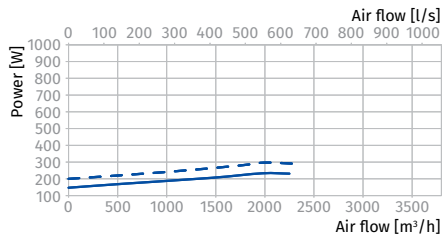
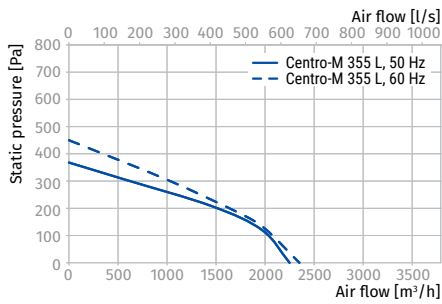
To comply with ErP 2018 it is necessary to use a speed controller and local demand control typology (connect the sensor).

CENTRO-M 355 L

| Sound power level, A-weighted | Total | Octave frequency bands [Hz] | | | | | | | | LpA 3 m | LpA 1 m |
|-------------------------------|-------|-----------------------------|-----|-----|-----|------|------|------|------|---------|---------|
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | | |
| LWA to inlet [dBA] | 95 | 57 | 82 | 80 | 84 | 90 | 91 | 86 | 75 | 74 | 84 |
| LWA to outlet [dBA] | 96 | 61 | 74 | 84 | 81 | 90 | 93 | 85 | 77 | 75 | 85 |
| LWA to environment [dBA] | 78 | 33 | 55 | 64 | 72 | 74 | 74 | 64 | 56 | 58 | 68 |

CENTRO-M 400

| Sound power level, A-weighted | Total | Octave frequency bands [Hz] | | | | | | | | LpA 3 m | LpA 1 m |
|-------------------------------|-------|-----------------------------|-----|-----|-----|------|------|------|------|---------|---------|
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | | |
| LWA to inlet [dBA] | 97 | 59 | 84 | 82 | 86 | 92 | 93 | 88 | 78 | 77 | 87 |
| LWA to outlet [dBA] | 96 | 61 | 75 | 85 | 82 | 90 | 94 | 86 | 78 | 76 | 86 |
| LWA to environment [dBA] | 81 | 35 | 57 | 66 | 75 | 77 | 77 | 66 | 58 | 61 | 71 |



| Parameters | Centro-M 450 | |
|-----------------------------------|--------------|-------------|
| Voltage [V] | 1 ~ 220-240 | |
| Frequency [Hz] | 50 | 60 |
| Power [W] | 665 | 1250 |
| Current [A] | 2.89 | 5.40 |
| Air flow [m³/h (l/s)] | 5300 (1472) | 6280 (1745) |
| RPM [min⁻¹] | 1265 | 1560 |
| Sound pressure level at 3 m [dBA] | 65 | 73 |
| Transported air temperature [°C] | -40...+70 | -25...+60 |
| SEC class | - | - |
| IP rating | | IPX4 |
| Motor IP rating | | IP44 |
| ErP | 2018 | - |

To comply with ErP 2018 it is necessary to use a speed controller and local demand control typology (connect the sensor).

CENTRO-M 450

| Sound power level, A-weighted | Total | Octave frequency bands [Hz] | | | | | | | | LpA 3 m | LpA 1 m |
|--------------------------------------|-----------|-----------------------------|-----|-----|-----|------|------|------|------|-----------|-----------|
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | | |
| L _{WA} to inlet [dBA] | 98 | 59 | 85 | 83 | 87 | 93 | 94 | 89 | 78 | 78 | 88 |
| L _{WA} to outlet [dBA] | 98 | 63 | 76 | 87 | 84 | 92 | 95 | 88 | 80 | 78 | 88 |
| L _{WA} to environment [dBA] | 86 | 37 | 60 | 70 | 79 | 81 | 81 | 70 | 61 | 65 | 75 |

