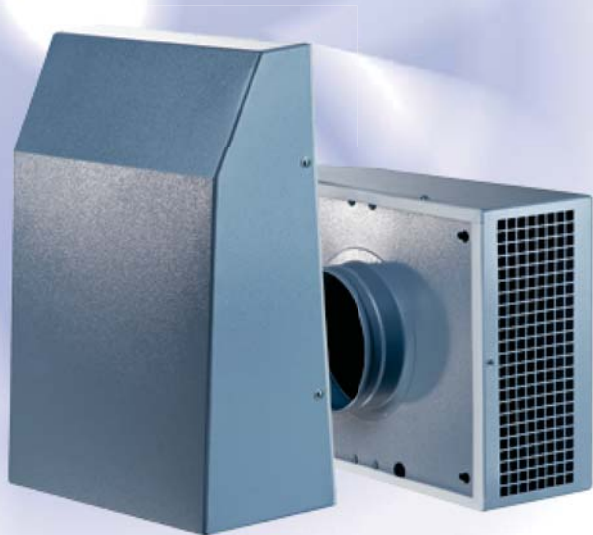




## Exhaust centrifugal fans

# Extero

Air capacity – up to 710 m³/h



### Use

- ☐ Exhaust ventilation systems installed in various premises.
- ☐ External wall mounting from outside.
- ☐ Compatible with Ø 100 up to 200 mm round air ducts.

### Design

- ☐ Steel casing with a special polymer atmospheric resistant coating.
- ☐ Specially designed casing protects motor against direct sprays of water.
- ☐ Vertical air exhaust downwards through a protecting screen against birds and rodents.
- ☐ Back side has a special sealant for tight contact and adaption to the wall.
- ☐ Connecting spigot is equipped with rubber seal.

### 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.

### Speed control

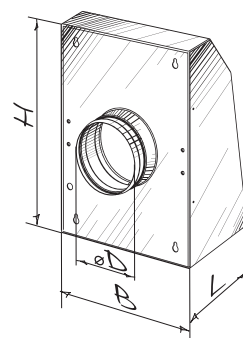
- ☐ Smooth or step speed control with a thyristor or autotransformer speed controller (available upon order) connected to the maximum speed terminal of the motor.

### Mounting

- ☐ Vertical mounting on external walls of buildings and premises.
- ☐ Flexible air duct is fixed on fan spigot with a clamp.
- ☐ The fan with connected air duct is fixed at the wall on a mounting plate. Power supply through the external terminals. After mounting of the ventilator a protection cover is mounted over the mounting plate.

### Overall dimensions

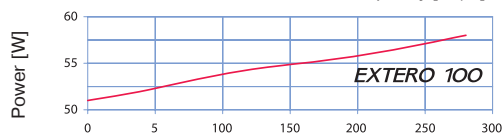
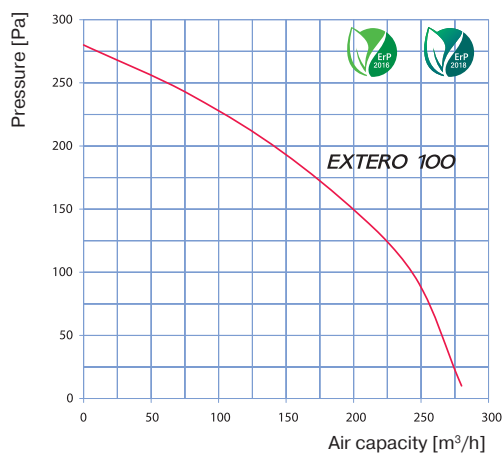
| Type       | Dimensions [mm] |     |     |       | Weight [kg] |
|------------|-----------------|-----|-----|-------|-------------|
|            | øD              | B   | H   | L     |             |
| Extero 100 | 99              | 260 | 355 | 138   | 4.1         |
| Extero 125 | 124             | 260 | 355 | 138   | 4.1         |
| Extero 150 | 149             | 300 | 400 | 138.2 | 4.5         |
| Extero 160 | 159             | 300 | 400 | 138.2 | 4.5         |
| Extero 200 | 199             | 300 | 400 | 138.2 | 4.5         |



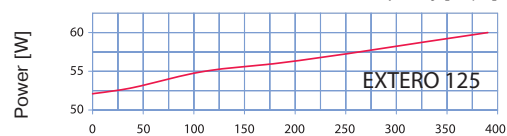
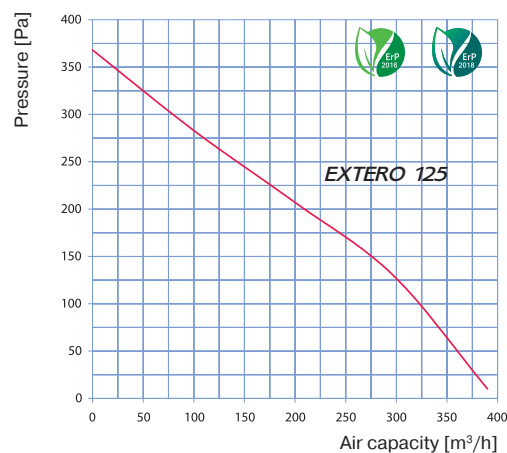
### Specifications

| Parameters                                 | Extero 100 | Extero 125 | Extero 150 | Extero 160 | Extero 200 |
|--------------------------------------------|------------|------------|------------|------------|------------|
| Voltage [V / 50 Hz]                        | 230        | 230        | 230        | 230        | 230        |
| Power [W]                                  | 58         | 60         | 100        | 102        | 104        |
| Current [A]                                | 0.26       | 0.27       | 0.43       | 0.44       | 0.45       |
| Maximum air capacity [m³/h]                | 280        | 390        | 600        | 650        | 710        |
| RPM [min⁻¹]                                | 2500       | 2500       | 2600       | 2600       | 2600       |
| Sound pressure level at 3 m distance [dBA] | 54         | 54         | 58         | 60         | 62         |
| Max. operating temperature [°C]            | 55         | 55         | 55         | 55         | 55         |
| SEC class                                  | C          | B          |            |            |            |
| Ingress protection rating                  | IPX4       | IPX4       | IPX4       | IPX4       | IPX4       |

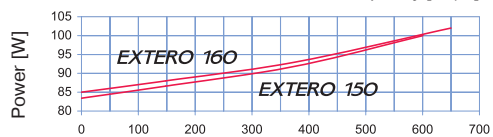
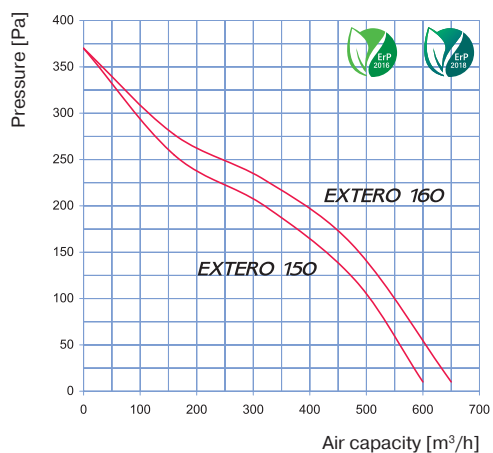
## Specifications



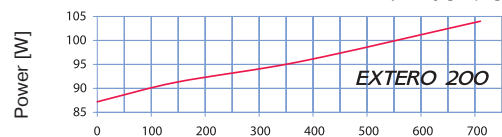
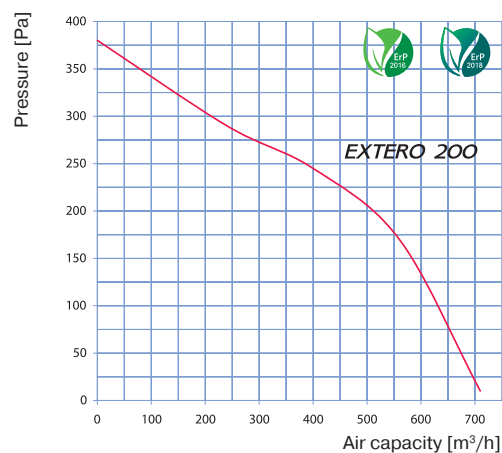
| Sound-power level                     | Octave-frequency band [Hz] |    |     |     |     |      |      |      |      |
|---------------------------------------|----------------------------|----|-----|-----|-----|------|------|------|------|
|                                       | Gen                        | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| L <sub>WA</sub> to inlet, [dBA]       | 60                         | 46 | 52  | 58  | 58  | 58   | 51   | 40   | 28   |
| L <sub>WA</sub> to environment, [dBA] | 58                         | 39 | 40  | 49  | 55  | 60   | 56   | 43   | 35   |



| Sound-power level                     | Octave-frequency band [Hz] |    |     |     |     |      |      |      |      |
|---------------------------------------|----------------------------|----|-----|-----|-----|------|------|------|------|
|                                       | Gen                        | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| L <sub>WA</sub> to inlet, [dBA]       | 58                         | 48 | 54  | 59  | 56  | 57   | 52   | 42   | 29   |
| L <sub>WA</sub> to environment, [dBA] | 59                         | 41 | 41  | 52  | 55  | 58   | 54   | 46   | 35   |



| Sound-power level                     | Octave-frequency band [Hz] |    |     |     |     |      |      |      |      |
|---------------------------------------|----------------------------|----|-----|-----|-----|------|------|------|------|
|                                       | Gen                        | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| <b>EXTERO 150</b>                     |                            |    |     |     |     |      |      |      |      |
| L <sub>WA</sub> to inlet, [dBA]       | 57                         | 45 | 53  | 54  | 57  | 56   | 46   | 38   | 19   |
| L <sub>WA</sub> to environment, [dBA] | 56                         | 48 | 38  | 48  | 52  | 54   | 49   | 39   | 32   |
| <b>EXTERO 160</b>                     |                            |    |     |     |     |      |      |      |      |
| L <sub>WA</sub> to inlet, [dBA]       | 55                         | 44 | 54  | 55  | 58  | 54   | 46   | 36   | 18   |
| L <sub>WA</sub> to environment, [dBA] | 54                         | 46 | 39  | 49  | 51  | 53   | 49   | 42   | 31   |



| Sound-power level                     | Octave-frequency band [Hz] |    |     |     |     |      |      |      |      |
|---------------------------------------|----------------------------|----|-----|-----|-----|------|------|------|------|
|                                       | Gen                        | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| L <sub>WA</sub> to inlet, [dBA]       | 59                         | 48 | 55  | 50  | 58  | 58   | 48   | 41   | 23   |
| L <sub>WA</sub> to environment, [dBA] | 55                         | 47 | 39  | 51  | 55  | 53   | 52   | 38   | 33   |