# BLAUBOX E PRO

## Supply ventilation units

### Features

- Ventilation units for efficient supply ventilation in various premises.
- Controllable air supply, heating and filtration.
- Compatible with ∅ 100 up to 315 mm round air ducts.

**Air flow:**
up to 1520 m³/h
422 l/s

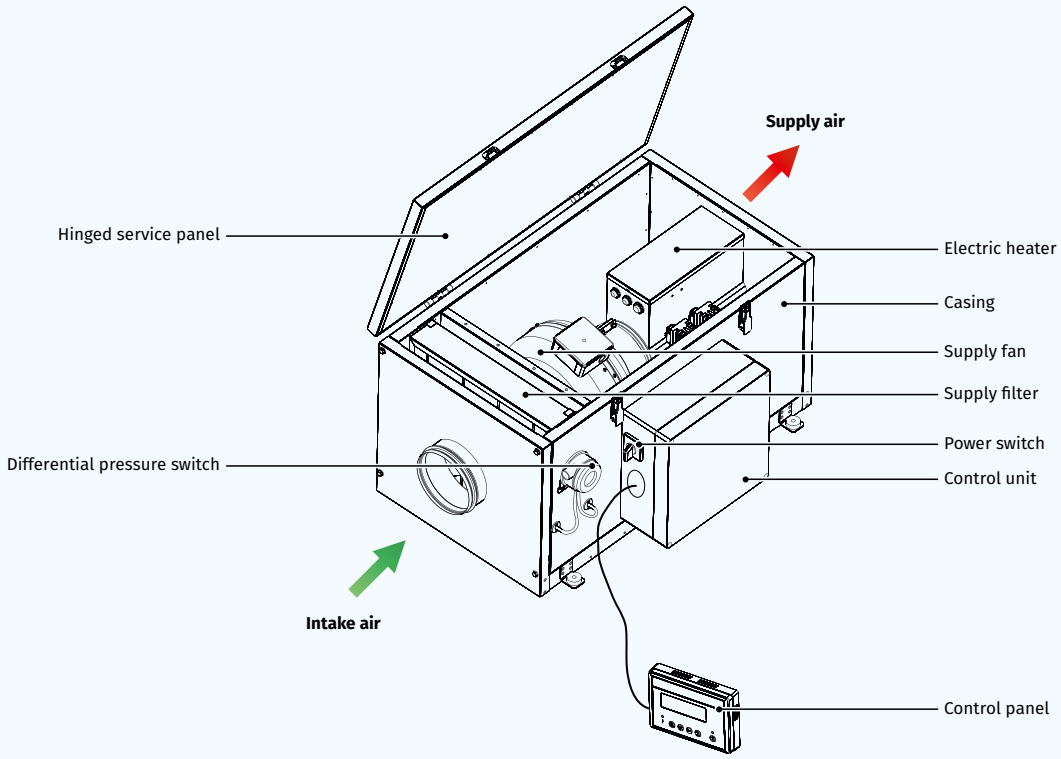


### Design

- The casing is made of double-skinned aluzinc panels, internally filled with mineral wool layer of 25 mm for heat and sound insulation.
- The mounting brackets with anti-vibration rubber mounts on the casing bottom ensure easy installation.
- The spigots for connection to the air ducts are located at the side of the unit and are rubber sealed for airtight connection to the air ducts.
- The hinged panel of the casing ensures easy access to the internals for cleaning, filter replacement and other maintenance operations.

### Fans

- Asynchronous external rotor motor and centrifugal impeller with backward curved blades are used for air supply.
- Single- or three-phase motor modification depending on the fan model type.
- Integrated motor overheating protection with automatic restart.
- Dynamically balanced impeller.
- Equipped with ball bearings for longer service life.
- Reliable and quiet operation.



## Air heater

- The unit is equipped with an electric heater for operation during cold seasons at low outside temperature.
- Two integrated overheat protection thermostats, one actuated at +60 °C with automatic restart and the other one actuated at +90 °C with manual restart.

## Air filtration

- The built-in G4 supply filter provides air filtration.

## Control and automation

- The unit incorporates an integrated control system with a wall-mounted control panel with LCD display.
- The standard delivery set includes a 10 m cable for connection of the unit and the control panel.
- **Control panel functions:**
  - Activating/deactivating the unit
  - Setting low, medium and high speeds for the supply fan as well as air flow control.
  - Setting and maintaining supply air temperature
  - Setting day- or week-scheduled
- **Automation functions:**
  - Filter clogging control with a differential pressure switch
  - Overheating protection of the electric heating elements
  - Disabling heater activation during the fan shutoff

## Mounting

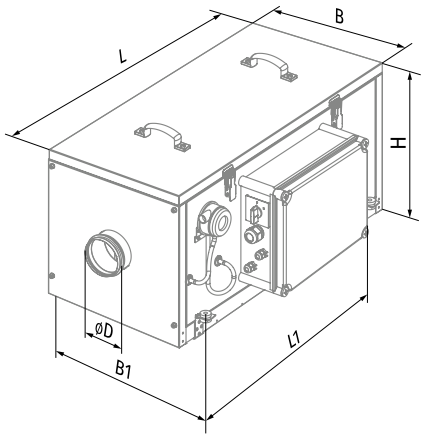
- The unit is suitable for indoor mounting on the floor, ceiling mounting or wall mounting with fixing brackets in any mounting position except for the vertical one with air flow downwards.
- The correct mounted unit must provide free access to the hinged panel for servicing and filter replacement.

## Designation key

| Series | Heater type | Rated air flow [m³/h] | | Heater power [kW] | Control |
|---|---|---|---|---|---|
| BLAUBOX | **E:** electric heater | **200; 300; 400; 800; 1000; 1200; 1500** | – | **1.8; 2.4; 3.4; 3.6; 5.1; 6; 9** | **Pro:** with control panel |

## Overall dimensions [mm]

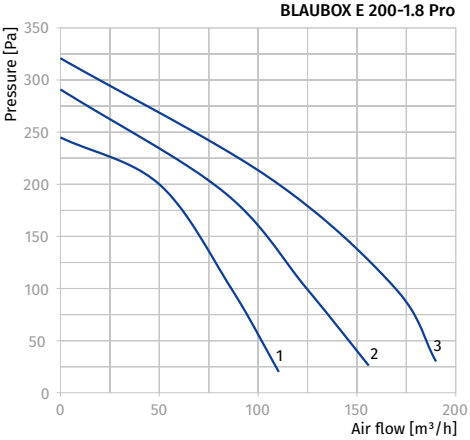
| Model | Ø D | B | B1 | H | L | L1 |
|---|---|---|---|---|---|---|
| BLAUBOX E 200-1.8 Pro | 99 | 382 | 421.5 | 408 | 800 | 647 |
| BLAUBOX E 300-2.4 Pro | 124 | 382 | 421.5 | 408 | 800 | 647 |
| BLAUBOX E 400-2.4 Pro | 149 | 455 | 496.5 | 438 | 800 | 647 |
| BLAUBOX E 400-3.4 Pro | 149 | 455 | 496.5 | 438 | 800 | 647 |
| BLAUBOX E 400-5.1 Pro | 149 | 455 | 496.5 | 438 | 800 | 647 |
| BLAUBOX E 400-6 Pro | 149 | 455 | 496.5 | 438 | 800 | 647 |
| BLAUBOX E 800-3.4 Pro | 199 | 487 | 526.5 | 513 | 835 | 684 |
| BLAUBOX E 800-5.1 Pro | 199 | 487 | 526.5 | 513 | 835 | 684 |
| BLAUBOX E 800-6 Pro | 199 | 487 | 526.5 | 513 | 835 | 684 |
| BLAUBOX E 1000-3.6 Pro | 249 | 487 | 526.5 | 513 | 835 | 684 |
| BLAUBOX E 1000-6 Pro | 249 | 487 | 526.5 | 513 | 835 | 684 |
| BLAUBOX E 1000-9 Pro | 249 | 487 | 526.5 | 513 | 835 | 684 |
| BLAUBOX E 1200-6 Pro | 314 | 527 | 566.5 | 548 | 900 | 750 |
| BLAUBOX E 1200-9 Pro | 314 | 527 | 566.5 | 548 | 900 | 750 |
| BLAUBOX E 1500-6 Pro | 314 | 527 | 566.5 | 548 | 900 | 750 |
| BLAUBOX E 1500-9 Pro | 314 | 527 | 566.5 | 548 | 900 | 750 |



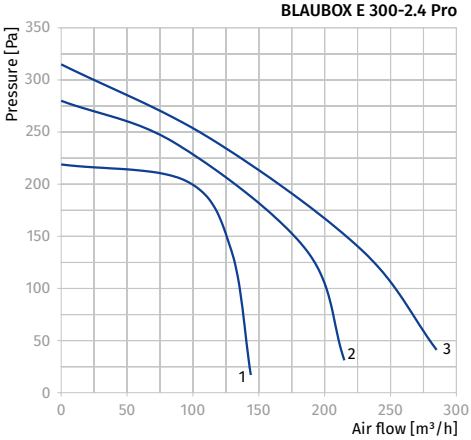
## Technical data

| Parameters | BLAUBOX E 200-1.8 Pro | BLAUBOX E 300-2.4 Pro | BLAUBOX E 400-2.4 Pro | BLAUBOX E 400-3.4 Pro | BLAUBOX E 400-5.1 Pro | BLAUBOX E 400-6 Pro |
|---|---|---|---|---|---|---|
| Voltage [V / 50 Hz] | 1 ~ 230 | 1 ~ 230 | 1 ~ 230 | 1 ~ 230 | 3 ~ 400 | 3 ~ 400 |
| Max. power without electric heater [kW] | 0.073 | 0.075 | 0.098 | 0.098 | 0.098 | 0.098 |
| Max. current without electric heater [A] | 0.32 | 0.33 | 0.43 | 0.43 | 0.43 | 0.43 |
| Max. power with electric heater [kW] | 1.873 | 2.475 | 2.498 | 3.498 | 5.198 | 6.098 |
| Max. current with electric heater [A] | 8.12 | 10.73 | 10.83 | 15.23 | 7.83 | 9.13 |
| Electric heater power [kW] | 1.8 | 2.4 | 2.4 | 3.4 | 5.1 | 6.0 |
| Electric heater current [A] | 7.8 | 10.4 | 10.4 | 14.8 | 7.4 | 8.7 |
| Number of electrical heating elements | 3 | 3 | 2 | 2 | 3 | 3 |
| Maximum air flow [m³/h (l/s)] | 190 (53) | 285 (79) | 425 (118) | 425 (118) | 425 (118) | 425 (118) |
| RPM [min⁻¹] | 2830 | 2800 | 2705 | 2705 | 2705 | 2705 |
| Sound pressure level at 3 m [dBA] | 27 | 28 | 29 | 29 | 29 | 29 |
| Transported air temperature [°C] | -25…+40 | -25…+40 | -25…+40 | -25…+40 | -25…+40 | -25…+40 |
| Casing material | aluzinc | aluzinc | aluzinc | aluzinc | aluzinc | aluzinc |
| Insulation | 25 mm mineral wool | 25 mm mineral wool | 25 mm mineral wool | 25 mm mineral wool | 25 mm mineral wool | 25 mm mineral wool |
| Filter | G4 | G4 | G4 | G4 | G4 | G4 |
| Connected air duct diameter [mm] | 100 | 125 | 150 | 150 | 150 | 150 |
| Weight [kg] | 50 | 50 | 50 | 50 | 50 | 50 |
| SEC class | A | A | A | A | A | A |
| ErP | 2016, 2018 | 2016, 2018 | 2016, 2018 | 2016, 2018 | 2016, 2018 | 2016, 2018 |

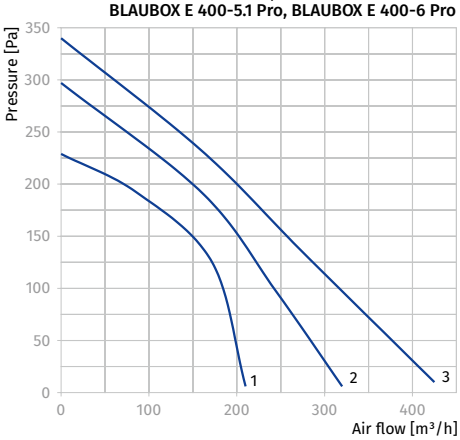
BLAUBOX E 200-1.8 Pro




BLAUBOX E 300-2.4 Pro

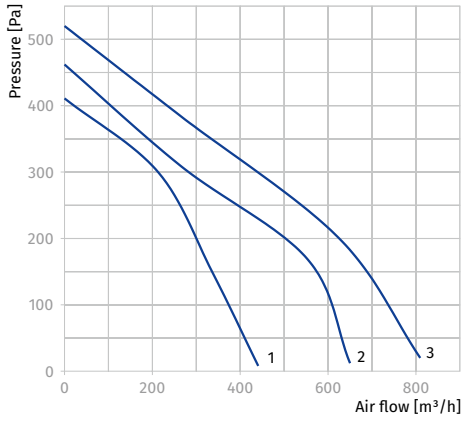



BLAUBOX E 400-2.4 Pro, BLAUBOX E 400-3.4 Pro
BLAUBOX E 400-5.1 Pro, BLAUBOX E 400-6 Pro

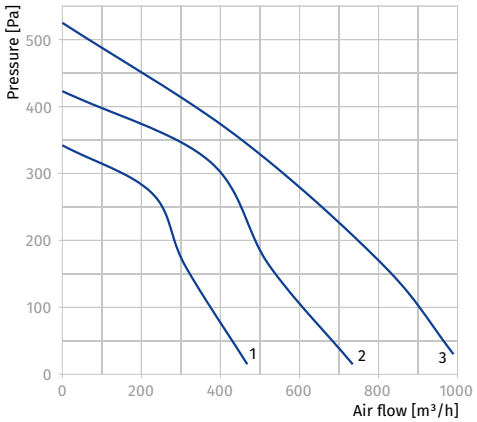


| Parameters | BLAUBOX E 800-3.4 Pro | BLAUBOX E 800-5.1 Pro | BLAUBOX E 800-6 Pro | BLAUBOX 1000-3.6 Pro | BLAUBOX E 1000-6 Pro | BLAUBOX E 1000-9 Pro |
|---|---|---|---|---|---|---|
| Voltage [V / 50 Hz] | 1 ~ 230 | 3 ~ 400 | 3 ~ 400 | 3 ~ 400 | 3 ~ 400 | 3 ~ 400 |
| Max. power without electric heater [kW] | 0.193 | 0.193 | 0.193 | 0.194 | 0.194 | 0.194 |
| Max. current without electric heater [A] | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 |
| Max. power with electric heater [kW] | 3.593 | 5.293 | 6.193 | 3.794 | 6.194 | 9.194 |
| Max. current with electric heater [A] | 15.64 | 8.24 | 9.54 | 6.15 | 9.55 | 13.85 |
| Electric heater power [kW] | 3.4 | 5.1 | 6.0 | 3.6 | 6.0 | 9.0 |
| Electric heater current [A] | 14.8 | 7.4 | 8.7 | 5.3 | 8.7 | 13.0 |
| Number of electrical heating elements | 2 | 3 | 3 | 3 | 3 | 3 |
| Maximum air flow [m³/h (l/s)] | 810 (225) | 810 (225) | 810 (225) | 990 (275) | 990 (275) | 990 (275) |
| RPM [min⁻¹] | 2780 | 2780 | 2780 | 2780 | 2780 | 2780 |
| Sound pressure level at 3 m [dBA] | 30 | 30 | 30 | 30 | 30 | 30 |
| Transported air temperature [°C] | -25...+40 | -25...+40 | -25...+40 | -25...+40 | -25...+40 | -25...+40 |
| Casing material | aluzinc | aluzinc | aluzinc | aluzinc | aluzinc | aluzinc |
| Insulation | 25 mm mineral wool | 25 mm mineral wool | 25 mm mineral wool | 25 mm mineral wool | 25 mm mineral wool | 25 mm mineral wool |
| Filter | G4 | G4 | G4 | G4 | G4 | G4 |
| Connected air duct diameter [mm] | 200 | 200 | 200 | 250 | 250 | 250 |
| Weight [kg] | 52 | 52 | 52 | 52 | 52 | 52 |
| SEC class | C | C | C | C | C | C |
| ErP | 2016, 2018 | 2016, 2018 | 2016, 2018 | 2016, 2018 | 2016, 2018 | 2016, 2018 |

**BLAUBOX E 800-3.4 Pro, BLAUBOX E 800-5.1 Pro BLAUBOX E 800-6 Pro**

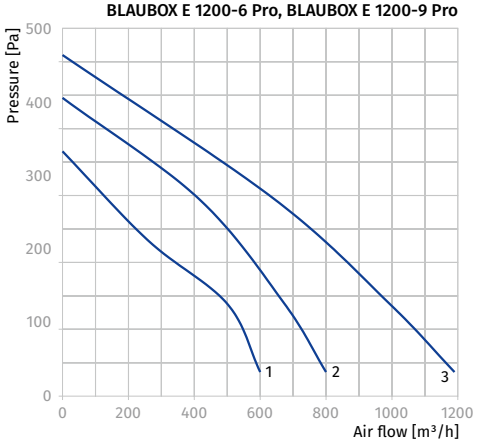



**BLAUBOX E 1000-3.6 Pro, BLAUBOX E 1000-6 Pro BLAUBOX E 1000-9 Pro**

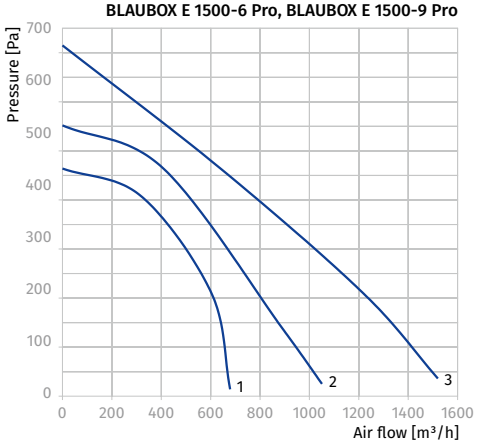


| Parameters | BLAUBOX E 1200-6 Pro | BLAUBOX E 1200-9 Pro | BLAUBOX E 1500-6 Pro | BLAUBOX E 1500-9 Pro |
|---|---|---|---|---|
| Voltage [V / 50 Hz] | 3 ~ 400 | 3 ~ 400 | 3 ~ 400 | 3 ~ 400 |
| Max. power without electric heater [kW] | 0.171 | 0.171 | 0.296 | 0.296 |
| Max. current without electric heater [A] | 0.77 | 0.77 | 1.34 | 1.34 |
| Max. power with electric heater [kW] | 6.171 | 9.171 | 6.296 | 9.296 |
| Max. current with electric heater [A] | 9.47 | 13.77 | 10.04 | 14.34 |
| Electric heater power [kW] | 6.0 | 9.0 | 6.0 | 9.0 |
| Electric heater current [A] | 8.7 | 13.0 | 8.7 | 13.0 |
| Number of electrical heating elements | 3 | 3 | 3 | 3 |
| Maximum air flow [m³/h (l/s)] | 1190 (331) | 1190 (331) | 1520 (422) | 1520 (422) |
| RPM [min⁻¹] | 2600 | 2600 | 2720 | 2720 |
| Sound pressure level at 3 m [dBA] | 30 | 30 | 30 | 30 |
| Transported air temperature [°C] | -25...+40 | -25...+40 | -25...+40 | -25...+40 |
| Casing material | aluzinc | aluzinc | aluzinc | aluzinc |
| Insulation | 25 mm mineral wool | 25 mm mineral wool | 25 mm mineral wool | 25 mm mineral wool |
| Filter | G4 | G4 | G4 | G4 |
| Connected air duct diameter [mm] | 315 | 315 | 315 | 315 |
| Weight [kg] | 62 | 62 | 62 | 62 |
| ErP | 2016, 2018 | 2016, 2018 | 2016, 2018 | 2016, 2018 |

BLAUBOX E 1200-6 Pro, BLAUBOX E 1200-9 Pro




BLAUBOX E 1500-6 Pro, BLAUBOX E 1500-9 Pro



## Accessories

| | | BLAUBOX E 200 Pro | BLAUBOX E 300 Pro | BLAUBOX E 400 Pro | BLAUBOX E 800 Pro | BLAUBOX E 1000 Pro | BLAUBOX E 1200 Pro | BLAUBOX E 1500 Pro |
|---|---|---|---|---|---|---|---|---|
| **G4 panel filter** |  | FP 335x322x70 G4 | FP 335x322x70 G4 | FP 397x364x70 G4 | FP 439x428x70 G4 | FP 439x428x70 G4 | FP 475x470x70 G4 | FP 475x470x70 G4 |
| **Silencer** |  | SD 100 | SD 125 | SD 150 | SD 200 | SD 250 | SD 315 | SD 315 |
| **Silencer** |  | SDF 100 | SDF 125 | SDF 150 | SDF 200 | SDF 250 | SDF 315 | SDF 315 |
| **Flexible anti-vibration connector** |  | EVA 100 | EVA 125 | EVA 150 | EVA 200 | EVA 250 | EVA 315 | EVA 315 |
| **Clamp** |  | KZ 100 | KZ 125 | KZ 150 | KZ 200 | KZ 250 | KZ 315 | KZ 315 |
| **Backdraft air damper** |  | VRV 100 | VRV 125 | VRV 150 | VRV 200 | VRV 250 | VRV 315 | VRV 315 |
| **Air damper** |  | VKA 100 | VKA 125 | VKA 150 | VKA 200 | VKA 250 | VKA 315 | VKA 315 |
| **Air damper electric actuator** |  | LF230 | LF230 | LF230 | LF230 | LF230 | LF230 | LF230 |
| **Air damper electric actuator** |  | TF230 | TF230 | TF230 | TF230 | TF230 | TF230 | TF230 |