

BLAUBOX E PRO

Supply ventilation units

Features

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



Air flow:
up to 1520 m³/h
422 l/s

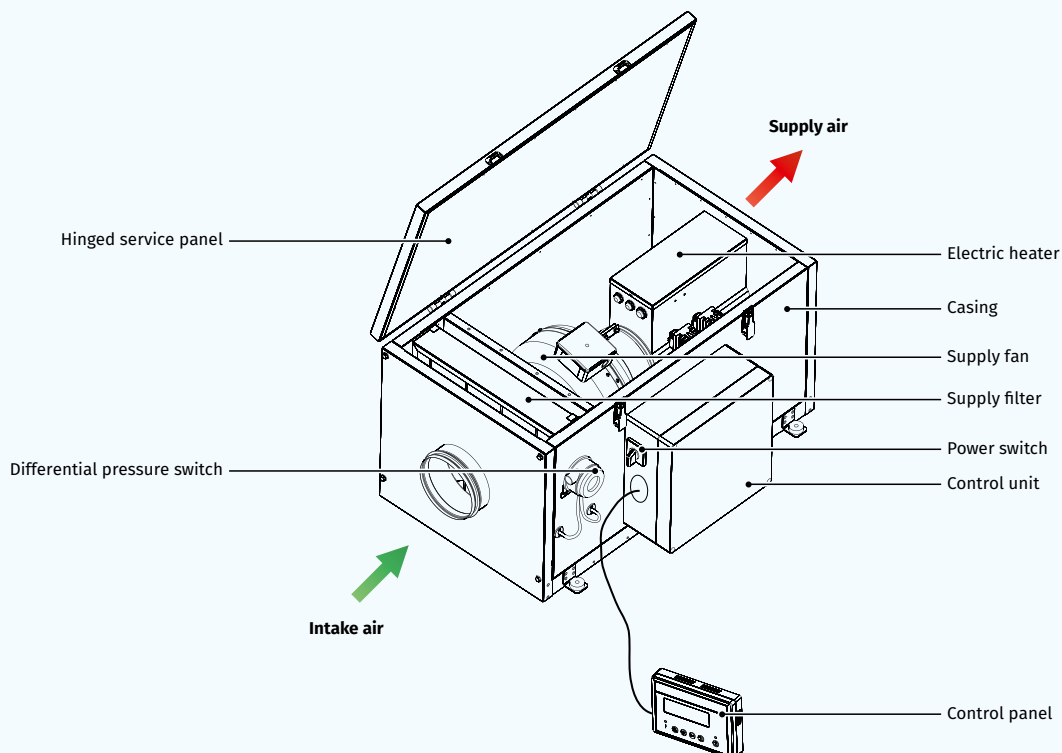


Design

- 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

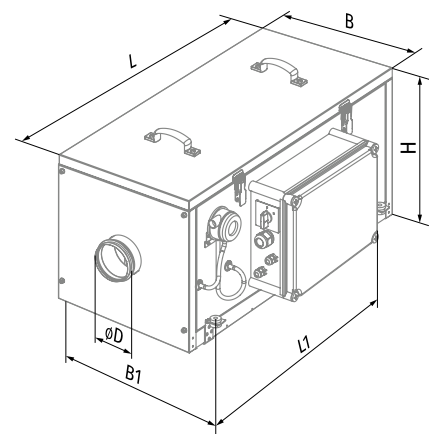
- The unit is suitable for indoor mounting on the floor, ceiling mounting or wall mounting with fixing brackets in any mounting position except for the vertical one with air flow downwards.
- The correct mounted unit must provide free access to the hinged panel for servicing and filter replacement.

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

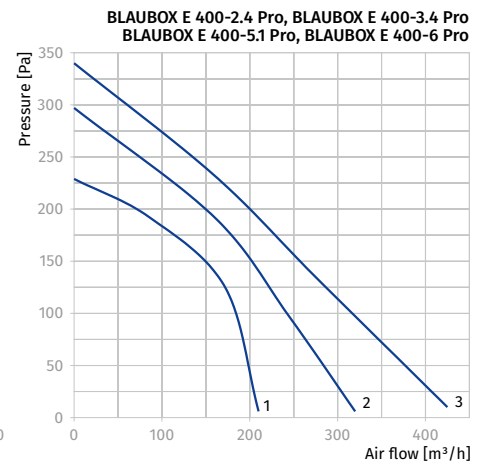
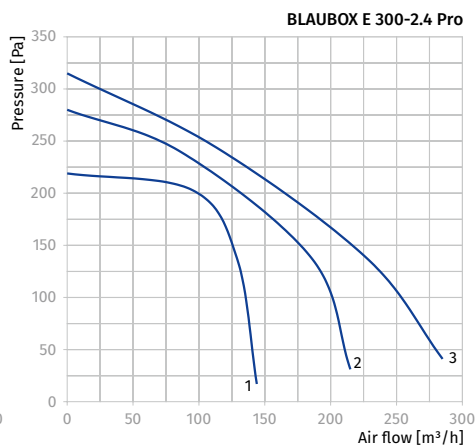
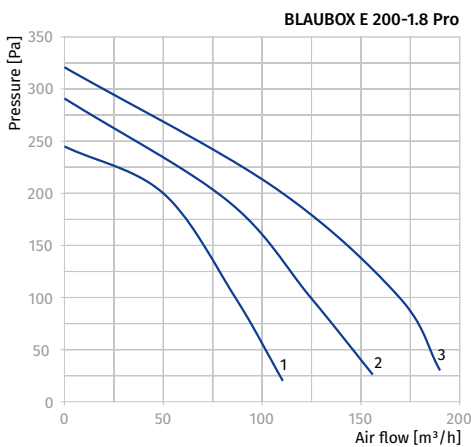
Overall dimensions [mm]

Model	∅ 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

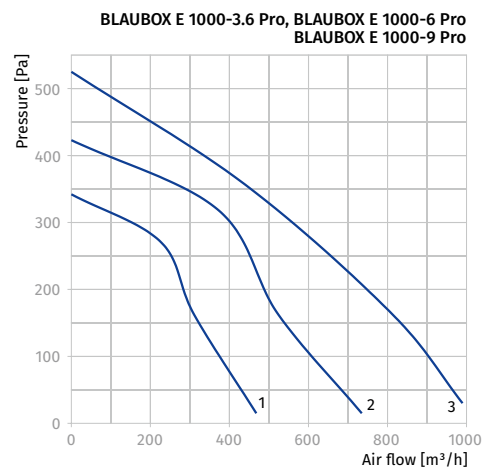
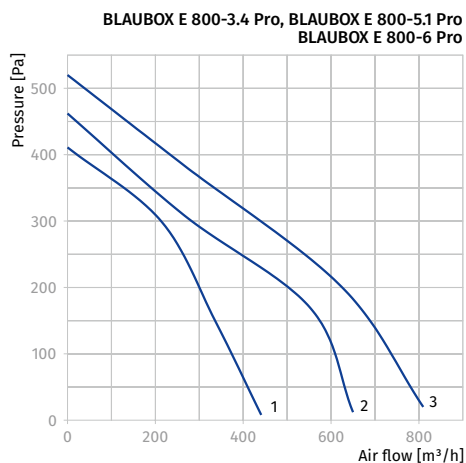


Technical data

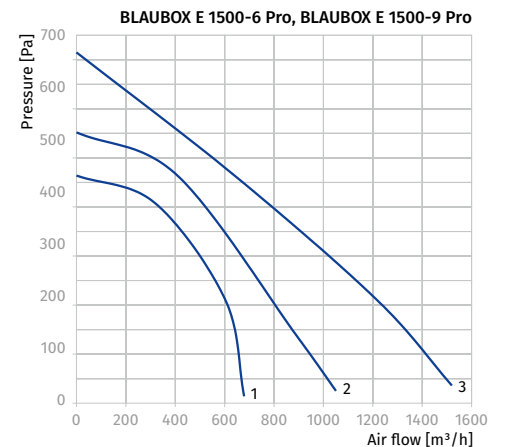
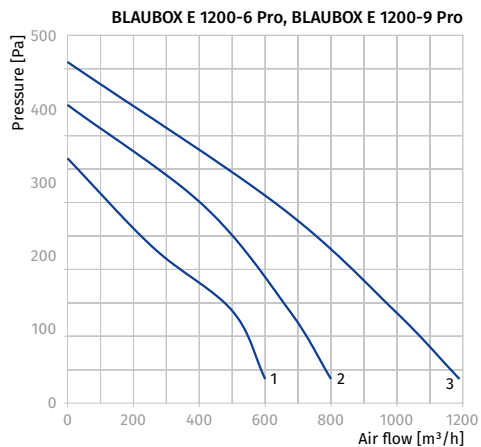
Parameters	BLAUBOX E 200-1.8 Pro	BLAUBOX E 300-2.4 Pro	BLAUBOX E 400-2.4 Pro	BLAUBOX E 400-3.4 Pro	BLAUBOX E 400-5.1 Pro	BLAUBOX E 400-6 Pro
Voltage [V / 50 Hz]	1 ~ 230	1 ~ 230	1 ~ 230	1 ~ 230	3 ~ 400	3 ~ 400
Max. power without electric heater [kW]	0.073	0.075	0.098	0.098	0.098	0.098
Max. current without 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 [m ³ /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












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



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 [m ³ /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



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

SUPPLY VENTILATION UNITS