



BX
**Portable/wall-mounted
electric fan heater**

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The BX is a series of electric fans heaters with ratings between 2 kW and 30 kW. The fans are designed for use wherever temporary but effective heating is required, such as on building sites, in warehouses, workshops, shops, exhibition halls, assembly halls and garages. The sturdy bracket enables the heater to be mounted on a wall.

- 7 ratings from 2 kW to 30 kW
- BX2-15 has a knob on the heater front for switching between continuous and intermittent fan operation
- Output selector 0 - 1/2 - 1 output (BX30 0-1/3-2/3-1/1)
- For mobile applications or wall mounting (BX20-30 are not for wall mounting)
- Two metre power supply cable

Design

The casing is made of galvanized sheet steel painted red, and the heater elements are made of stainless steel to EN 1.4301. BX 9AE, BX 9ANE, BX20 and BX30 have adjustment for low/high fan speed on the front. Degree of protection IPX4 (splash-proof), approved for use in humid and wet areas (e.g. building sites).

Control

Thermostatic heat control by means of capillary tube thermostat (0°C to + 35°C for BX2-15 and 5°C to + 35°C for BX20-30) that senses the inlet air temperature, which ensures high accuracy.

Connections

The BX 2E and BX 3E are equipped with power supply cable with earthed plug.

The BX 5E, BX 9SE, BX 9AE and BX 9ANE are equipped with power supply cable and 16 A plug (CEE connector).

The BX 15E and BX 20 are equipped with power supply cable and 32 A plug (CEE connector).

The BX 30 is equipped with power supply cable and a 63 A plug (CEE connector).

BX 9AE, BX 9SE and BX 15E does not need a neutral in the socket due to the 400V motor, which is of benefit in many older plants.



Approvals

The fan heaters have been tested and approved by SEMKO in accordance with:
 LVD Directive: EN 60335-1, EN 60335-2-30 and EN 50366
 EMC Directive: EN 61000-6-2 and EN 61000-6-3
 EMF Directive: EN 50366



Overview of range

Type		BX 2E	BX 3E	BX 5E	BX 5EN	BX 5ER	BX 9SE	BX 9AE	BX 9ANE ³⁾
Power supply	V	230V~	230V~	400V3N~	230V3~	230V~	400V3~	400V3~	230V3~
Output	kW	2	3	5	5	5	9	9	9
Output steps	kW	0-1-2	0-1.5-3	0-2.5-5	0-2.5-5	0-3.3-5	0-4.5-9	0-4.5-9 ²⁾	0-4.5-9 ²⁾
Current	A	4.3 / 8.7	6.5 / 13.0	6.3 / 7.2	10.9 / 12.6	14.5 / 21.7	11.3 / 13.0	6.5 / 13.0	11.3 / 22.6
Sound level ¹⁾	dBA	39	44	47	47	47	53	42/53	44/53
Air flow rate	m ³ /h	190	290	500	500	500	900	700/900	700/900
Motor speed	r.p.m	1300	1300	1300	1300	1300	1300	1000/1300	1000/1300
Air temp. rise through heater	°C	29	29	28	28	28	28	36/ 28	36/28
Degree of protection		IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4
Weight	kg	5.2	5.3	6.5	6.5	6.5	10.5	11.5	11.5
Width	mm	275	275	275	275	275	350	350	350
Height	mm	320	320	320	320	320	450	450	450
Depth (incl. brackets)	mm	320	320	320	320	320	370	370	370

¹⁾ Measured at a distance of 5 metres in front of the unit.

²⁾ Uniform phase loading, even at half output.

³⁾ The fan motor is continuously in operation.

Type		BX 15E	BX 20 ³⁾	BX 30 ³⁾
Power supply	V	400V3~	400V3~	400V3~
Output	kW	15	20	30
Output steps	kW	0-7,5-15 ²⁾	0-10-20	0-10-20-30
Current	A	10,8 / 21,7	29,5	43,4
Sound level ¹⁾	dBA	55	50/58	50/58
Air flow rate	m ³ /h	1000	1900/2600	1900/2600
Motor speed	r.p.m	1300	1000/1300	1000/1300
Air temp. rise through heater	°C	42	31/23	47/34
Degree of protection		IPX4	IPX4	IPX4
Weight	kg	13,5	26	30
Width	mm	350	630	630
Height	mm	450	585	585
Depth (incl. brackets)	mm	435	595	595

¹⁾ Measured at a distance of 5 metres in front of the unit.

²⁾ Uniform phase loading, even at half output.

³⁾ The fan motor is continuously in operation.





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