

***VEAB electric fan heaters –
high technological quality and pleasing appearance***



Heat directly from a wall socket – simple and efficient

VEAB electric fan heaters fulfil the highest requirements you can demand from a portable fan heater – low acquisition cost, simple to use, compact design, stable, and easily transported.

Push the plug into a wall socket and the heater is ready for use.

The electric fan heater has a number of advantages compared with an oil-fuelled fan heater. It is always ready for use, it does not need filling up, no exhaust gases, no chimney, no smell problems, but primarily – it needs no maintenance or service like an oil-fuelled heater.

VEAB electric fan heaters also have many advantages compared with other brands on the market, for example:

- Choose between continuous or intermittent fan operation.

When continuous fan operation is selected the fan runs all the time irrespective of the temperature. With intermittent fan operation the thermostat turns off the heat and the fan at the same time, when heating is not needed.

- Over-heat protection, cut-out and thermostat switches off the power to the element directly with no intermediate contactor.
- For more information see section Technical Advantages.



VEAB electric fan heaters are suitable for heating and drying different types of rooms and premises, for example, building sites, storage areas, and business premises.

Applications

VEAB electric fan heaters can be used in all sorts of premises.

- On building sites; for drying, heating and thawing
- In industrial buildings; for temporary or stationary heating of workplaces
- In storage areas; for heating workplaces, e.g. goods receiving and goods shipping areas
- In shops; to provide extra heat at entrances and cash desks
- In the home; for fast heating in garages and leisure cottages, hobby rooms and caravans
- On the farm; for frost protection in vegetable stores, or for fast heating in a farm workshop
- In exhibition rooms; for heating

Technical Advantages

- The stainless steel elements are designed for a low surface loading and with an even airflow around them. This helps to prevent high surface temperatures and increases the service life of the heater.
- The outer casing is made of lacquered, galvanised steel sheet, a guarantee for good rust protection.
- Leg-frame of heavy-gauge, powder painted steel tubing with an insulated handle of impact resistant plastic.
- For stationary use, the heater is easily mounted on a wall with the help of the leg-frame
- Stepless thermostat control (capillary tube type) with two power steps, control range 0 to 35°C, maintains a constant room temperature.
- BX 2E and BX 3E models have one-step thermostats.
- Easily accessible reset button for over-heat cut-out on top of the heater.
- Supplied with 2 m rubber cable and plug.
- CEE connector for 3-phase units and standard earthed plug for single phase heaters.
- Selector switch for intermittent fan operation (thermostat turns off heat and fan simultaneously) or continuous fan operation (thermostat controls heater element only, the fan runs continuously).
- Selector switch for two heat levels, see table.
- Protection form: protected against splashing water according to EN 60335-1 and IP X4 according to EN 60529. The heater can be used in dry places as well as in damp and wet environments.
- Low noise level means that the range of applications is extensive.
- The fan motors in the BX 2E, BX 3E and BX 5E models are intrinsically safe whereas the BX 9AE, BX 9SE and BX 15E models are equipped with integral thermal motor protection.
- The BX range is EMC tested and approved by the Swedish SEMKO according to European Standards CENELEC EN 60555-2-3, EN 55014 and EN 50082-1. The BX range is CE marked.
- Approved by the following testing authorities: VDE, SEMKO, DEMKO, NEMKO and FINKO. Tested in accordance with EN 60 335-2-30 1992, DIN VDE part 1/ 04.88, (HD 251 S3, rev. 1-3) and DIN VDE part 230/ 06.92, (HD 278 S1, rev. 1-4).



Technical specifications



Type		BX 2E	BX 3E	BX 5E	BX 9SE	BX 9AE	BX 15E
Total power rating	W	2000	3000	5000	9000	9000	15000
Heat output	kcal/h	1720	2580	4300	7750	7750	12900
Motor rating	W	32	32	32	70	70	70
Heat control	kW	0-1-2	0-2-3	0-2,5-5	0-4,5-9	0-4,5-9 ¹⁾	0-7,5-15 ¹⁾
Voltage	V	230 V ~	230 V ~	400 V 3~N	400 V 3~	400 V 3~	400 V 3~
Current	A	4,5/8,9	8,9/13,2	6,4/7,4	11,5/13,3	6,8/13,3	11,1/21,9
Fuse	A	10	16	10	16	16	25
Mains connection	A	16	16	16 ²⁾	16 ²⁾	16 ²⁾	32 ²⁾
Air flow	m ³ /h	190	220	500	900	700/900 ³⁾	1000
Motor speed	RPM	1300	1300	1300	1300	950/1300 ³⁾	1300
Temperature rise	°C	29	38	28	28	36/28	42
Noise level	dB(A)	44	45	52	58	49/58	60
Weight	kg	5,5	6,0	6,5	10,5	11,5	15,0
Breite	mm	275	275	275	350	350	350
Height	mm	320	320	320	450	450	450
Depth	mm	320	320	320	370	370	435

¹⁾ Symmetric phase loading at half power

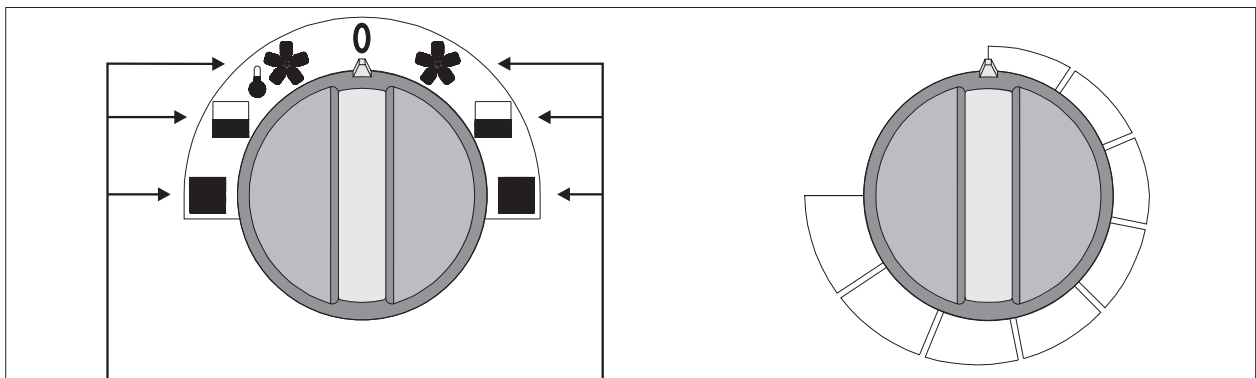
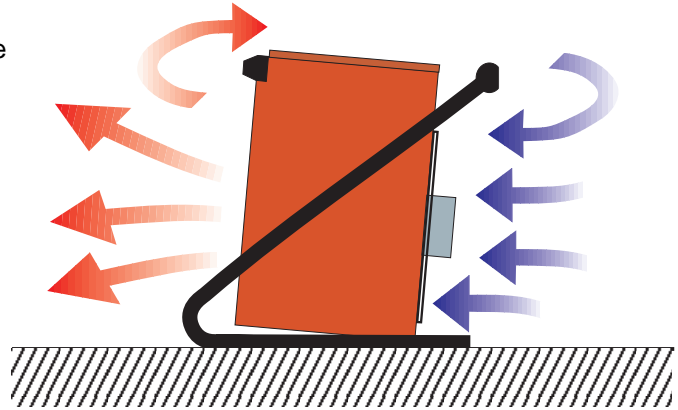
²⁾ CEE connector 3P+N+ \perp

³⁾ BX 9AE model has two speeds. Reduced airflow means lower noise level and higher output air temperature. Speed control with a switch.

This is how our electric fan heaters work

The heater is flexible, easy to use, and made with excellent workmanship. Underneath the durable outer casing made of lacquered, galvanised steel sheet is the stainless steel electric heating element. The fan, which is mounted in front of the element, blows the heated air into the room/space to be heated. The heating power is easy to control using the selector switch. By using the reduced power level, other machines can be run on the same fuse circuit without overloading the mains supply.

The hot air from the heater warms up the room/space to the temperature selected on the built-in thermostat. There is another standard feature with which the thermostat also turns off the heater fan. This eliminates the fan noise completely when there is no demand for heating in the premises.






Intermittent operation 




Continuous operation

Thermostat

0–35°C
controls in two
power steps

(BX 2E and BX 3E models
have thermostat with
power steps)

-  – fan
-  – fan 1/2 power*
-  – fan 1/1 power

-  – fan
-  – fan 1/2 power*
-  – fan 1/1 power

* BX 3E – 230 V, 2/3 Output.