



ENV-L
Electric fan heaters
for wall mounting

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The ENV-L series, with an output range up to 15 kW, is intended for permanent heating of warehouses, industrial premises, garages, drying rooms, and more.

- Five different output variants from 2 kW to 15 kW
- Continuous or intermittent fan operation
- Wall bracket allows for vertical and horizontal angular adjustment of the fan heater
- Air deflector for vertical adjustment of the outlet air
- Complies with the Ecodesign directive 2009/125/EU and EU regulation 2015/1188.
- Supplied with room thermostat

Design

The casing is made of white lacquered galvanised sheet steel and the heating elements are made of stainless steel, EN 1.4301.

The supplied wall brackets allow for angular adjustment in various directions.

IP44 degree of protection (splash-proof execution) and approved for use in humid and wet areas (e.g. drying room).

Feedback Control

Temperature adjustment as well as switching on/off are performed with the supplied electronic room thermostat MCD4-1999.

The thermostat has a built-in clock and calendar which can be programmed for lowering the temperature, e.g. during nights and weekends. Transition from reduced to normal temperatures can be adapted so that a comfortable temperature is achieved at the desired time (adaptive function).

The above functions are a requirement to meet the Ecodesign directive 2009/125/EU and EU regulation 2015/1188, for locations which are heated for the comfort of people.

ENV-L cannot be controlled as a slave.

MCD4-1999 is supplied with a frame that enables surface-mounted installation. IP21 degree of protection.



MCD4-1999

Approvals

Our fan heaters are produced in accordance with the following directives:

LVD directive: EN 60335-1 and EN 60335-2-30

EMC directives: EN 61000-6-2 and EN 61000-6-3

EMF directive: EN 62233



Product Range Overview

Type		ENV-L 2	ENV-L 3	ENV-L 5	ENV-L 9	ENV-L 15
Voltage	V	230 VAC 1-ph. 50/60 Hz	230 VAC 1-ph. 50/60 Hz	400 VAC 3-ph. N 50/60 Hz	400 VAC 3-ph. N 50 Hz	400 VAC 3-ph. N 50 Hz
Current, max.	A	8.7	13.0	7.2	13.0	21.7
Output	kW	2	3	5	9	15
Output stage	kW	0-1-2	0-1.5-3.0	0-3.3-5.0	0-6-9	0-7.5-15
Air volume	m ³ /h	270	270	390	900	970
Temp. increase due to heater	°C	21	31	36	28	43
Sound pressure level ¹⁾	dB(A)	43	43	47	53	54
Degree of protection		IP44	IP44	IP44	IP44	IP44
Weight	kg	6.5	6.6	7.0	11.0	13.4
Width	mm	232	232	232	307	307
Height	mm	318	318	318	402	402
Depth (incl. bracket)	mm	325	325	325	395	395

¹⁾ Measured at 5 metres in front of appliance.

Installation

ENV-L are to be mounted horizontally on walls and can be angled downward by 10 or 20 degrees. The wall bracket also allows for the fan heater to be angled sideways by 30 degrees.



Project Design/Orders

Description – ENV-L

Electrical fan heater, VEAB type ENV-L, with casing made of white lacquered sheet steel and heating elements made of stainless steel, EN 1.4301 ENV-L can be angled downwards by 10 or 20 degrees, as well as 30 degrees sideways. IP44 degree of protection. Temperature control is achieved by means of the supplied room thermostat MCD4-1999.



VEAB Heat Tech AB
Tel +46(0)451-485 00
www.veab.com • veab@veab.com
Sweden