



# ENSTO

## Beta heaters

A cost efficient and reliable solution

Ensto panel heaters are a great combination of energy efficiency, comfort, safety, reliability, flexibility and low capital costs. We bring heat, so you can enjoy.



Heaters are a common solution for the heating of different areas because they are easy to install and replace with new ones. A comfortable level of temperature is reached quickly as most of the energy consumed is transformed into heat. Heaters are suitable for new buildings, renovations, and as an additional heat source.

All Ensto panel heaters are safe due to their low surface temperature and automatic overheating protection. Heaters with electronic thermostats are accurate, energy efficient, silent and give excellent comfort thanks to even heat distribution.

All heaters are made of hot-dip zinc coated steel so they do not rust. Panel heaters are available in dif-

ferent dimensions. All heaters are double insulated class II devices. The heaters are easily controlled with an on/off switch and a numerical temperature scale. Heaters respond quickly to temperature changes caused by other heat sources and have good efficiency, because they primarily heat room air instead of house structures.

Beta heaters can be installed in dry and damp areas (IP21). The heaters also have a low surface temperature because of the X-shaped heating element. The heaters can be wall mounted or free standing (with separate feet).

**Better life.**  
With electricity.

Ensto designs and provides smart electrical solutions to improve the safety, functionality, reliability and efficiency of smart grids, buildings and transportation.

[ensto.com](https://ensto.com)



# Beta Panel heaters

With electronic and mechanical thermostat



## Beta E

- Electronic thermostat
- Connection box or plug
- Temperature reduction (5°C) in models with a connection box
- Extremely accurate and completely silent electronic thermostat, accuracy +/-0.1°C
- Fast reaction to temperature changes increases comfort and ensures an even room temperature
- The surface temperature of the heater is low because of the electronic thermostat

## Beta M

- Mechanical thermostat and plug
- Accurate temperature control with +/-0.5°C thermostat accuracy
- Mechanical thermostat is better to withstand network disturbances and is therefore suitable for use in cottages etc.

## Sizing and installation of Beta panel heaters

The following tables are sizing values for reference only. The room area (room height 2.5 meters) or the room volume must be known. A rule of thumb with standard insulation is 15-35 W/m<sup>3</sup>. For low energy houses it is 15 W/m<sup>3</sup> or even lower.

OUTPUT/W	AREA TO BE HEATED (M <sup>2</sup> ) WHEN SIZING OUTPUT IS			VOLUME OF ROOM TO BE HEATED (M <sup>3</sup> )		
	15 W (M <sup>2</sup> )	25 W (M <sup>2</sup> )	35 W (M <sup>2</sup> )	15 W (M <sup>3</sup> )	25 W (M <sup>3</sup> )	35 W (M <sup>3</sup> )
250	7	4	3	17	10	7
500	13	8	6	33	20	14
750	20	12	9	50	30	21
1000	27	16	11	67	40	29
1500	40	24	17	100	60	43
2000	53	32	23	133	80	57

BETA PANEL HEATER	P (W)	U (V)	LENGTH	HEIGHT	WALL BRACKET		PLUG
			L (MM)	H (MM)	C (MM)	D (MM)	E1 (MM)
EPHBM02 / EPHBE02	250	230	451	389	300	205	1000
EPHBM05 / EPHBE05	500	230	585	389	300	205	1000
EPHBM07 / EPHBE07	750	230	719	389	440	205	1000
EPHBM10 / EPHBE10	1000	230	853	389	440	205	1000
EPHBM15 / EPHBE15	1500	230	1121	389	700	205	1800
EPHBM20 / EPHBE20	2000	230	1523	389	1000	205	1800

BETA ACCESSORY	DESCRIPTION	GTIN-13
EPHBAC1	Feet for Beta heaters	6418677637001

## Product code key for Beta series

EPHBM15P

E P H B M 15 P

E Ensto  
P Panel  
H Heaters  
B Beta series  
E Electronic thermostats  
M Mechanical thermostats

02 250 W  
05 500 W  
07 750 W  
10 1000 W  
15 1500 W  
20 2000 W

P Plug  
B Box connector



Beta heater with separate feet, EPHBAC1

# ENSTO

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