

Wall models with PowerKon heat exchanger



Installation Manual

Retain this manual carefully for future use!

Installation manual

Explanation of symbols:



Caution! Danger!

The non-observance of this information can result in serious injury to persons or property.



Danger of electrocution!

Non-observance of this information can result in serious damage to persons or property from electrical power.

Read this manual carefully prior to installation!

All persons involved in the installation, commissioning and use of this product are obliged to pass this manual on to all persons working simultaneously or subsequently on this equipment, including the end user. Retain this manual until the equipment is ultimately decommissioned!

We reserve the right to make changes to the content or design without prior notification!

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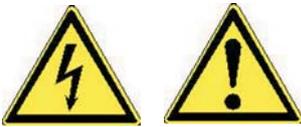
1. Correct and Proper Use

Kampmann wall convectors are manufactured in accordance with the state-of-the-art and recognised safety regulations. Personal danger or damage to the equipment or other property can be caused if the equipment is not installed, commissioned and used correctly and properly.

Wall convectors are solely intended for use indoors i.e. in residential properties, offices, salesrooms etc. They should not be used in damp areas. Any other use or any use, other than the aforementioned, will not be deemed to be correct and proper. Any damage resulting from improper use is the sole responsibility of the user/operator of the equipment. Correct and proper use will also be deemed to include observance of all information regarding safety, operation and maintenance/servicing contained in this manual.

The installation of this product requires specialist knowledge in the field of heating, cooling and ventilation. This knowledge is generally taught as part of vocational training in the aforementioned fields and so is not described separately here. Damage resulting from improper installation is the sole responsibility of the operator.

2. Safety Information



Installation, assembly and maintenance of electrical equipment should only be conducted by a qualified electrician (Association of German Electricians-approved or similar). Wiring should comply with current Association of German Electricians' (VDE) guidelines and regulations set out by the regional energy supply companies (EVU).

Non-observance of these guidelines and the operating manual can lead to malfunctions with subsequent damage to the equipment and risk of personal injury. Incorrect wiring can result in fatal injury owing to crossed wires!

Prior to all wiring and maintenance work, all parts of the system have to be made voltage-free and prevented from being reconnected accidentally!

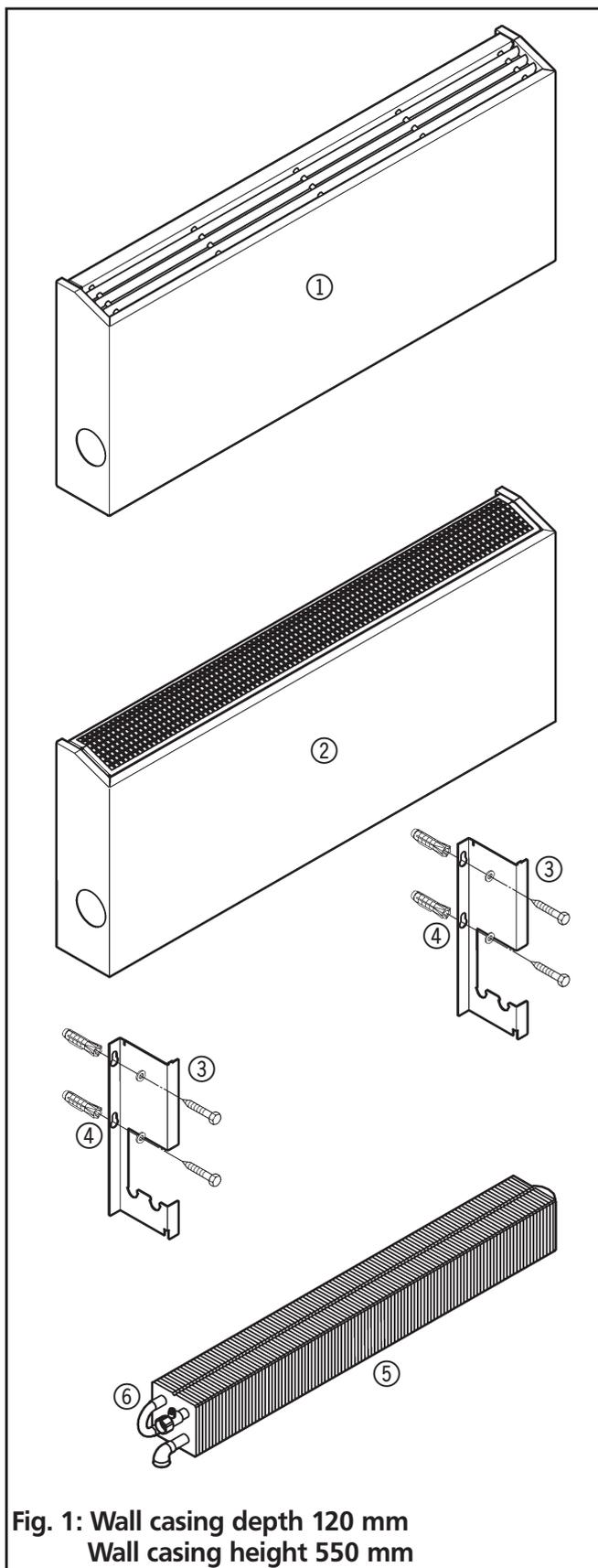
All people working on the equipment must have knowledge, gained in their training, about the following:

- Safety and accident regulations and directives
- Guidelines and recognised technical regulations, e.g. Association of German Electrical Engineering provisions
- DIN and EN standards
- Accident prevention directives e.g. VBG, VBG4, VBG9a
- DIN VDE 0100, DIN VDE 0105
- EN 60730 (Part 1)
- Technical regulations (so-called TABs) from regional energy providers

1.26 powerKon PLUS W Wall Convectors

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3. Scope of Delivery

Each wall convector comes with the following components:

- 1 no. Wall casing with air outlet through C-profile linear grille ① or with air outlet through a perforated profile ②, powdercoated as a single component, with valve opening on one side
- 1 no. PowerKon copper-aluminium heat exchanger ⑤; with 1 no. air vent ⑥, supplied loose
- Brackets ③, the number is determined by the length of the casing; fixing screws and rawlplugs ④ are not supplied
- Optional accessories: convector connection set ⑦, comprising
 - Thermostatic valve body 1/2", axial
 - Return shut off valve 1/2", straight version
 - Thermostatic valve head, white ⑧

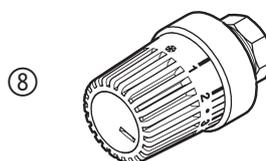


Fig. 2: Thermostatic valve head accessory, type 110210

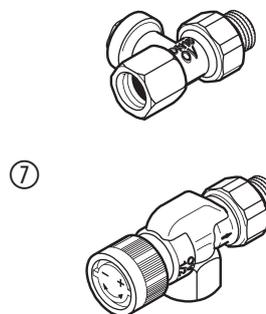


Fig. 3: Convector connection set accessory, type 126102

4. Installation of Wall Convectors

4.1 Fitting Brackets

- Using the wall brackets ①, mark the drill holes for wall-mounting the unit. Calculate the spacing, as given in Fig. 4, using the table below.
- A further wall bracket ② is needed as a central bracket for casing lengths of greater than 1600 mm. Position the brackets centrally between the drill holes for the outer brackets and also draw in the drill holes.
- Fix the wall brackets using screws and rawlplugs (supplied by others) and adjust them.

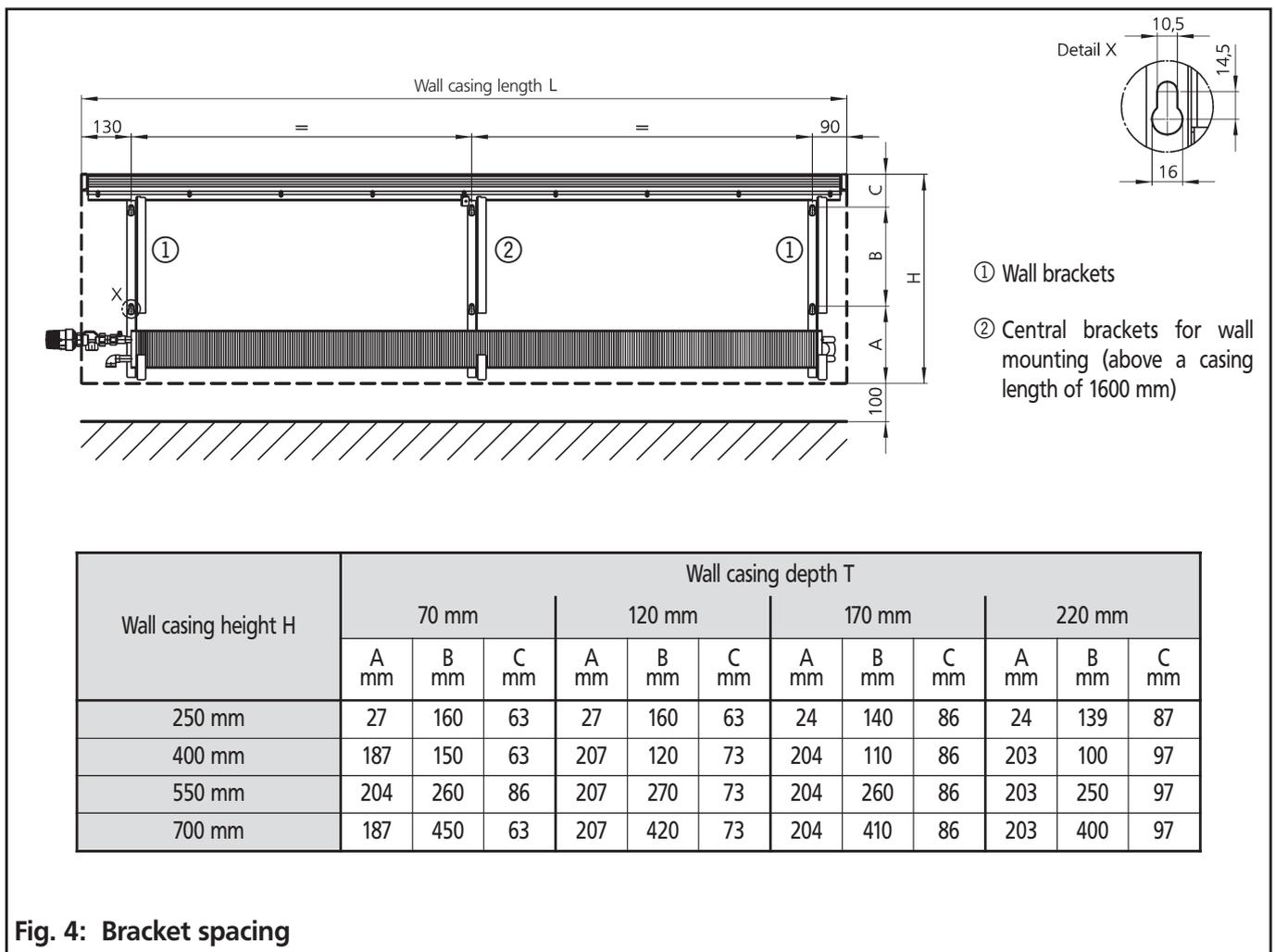


Fig. 4: Bracket spacing

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4.2 Fitting Heat Exchanger/Water Connection

- Place the convector in such a way on the brackets that the heat exchanger pipe fits into the semi-circular recesses on the brackets.
- Then connect up the heat exchanger, as shown in Fig. 5, to the flow ① and return ② connections. Use also the 1/2" valve connection set type ⑥ from the Kampmann accessories range.
- Fit the air vent ③ to the flow connection. Take care to observe the correct spacings here.

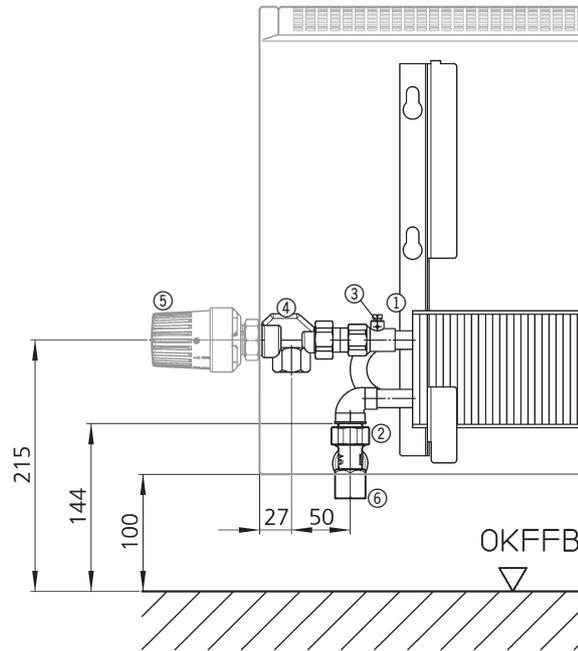
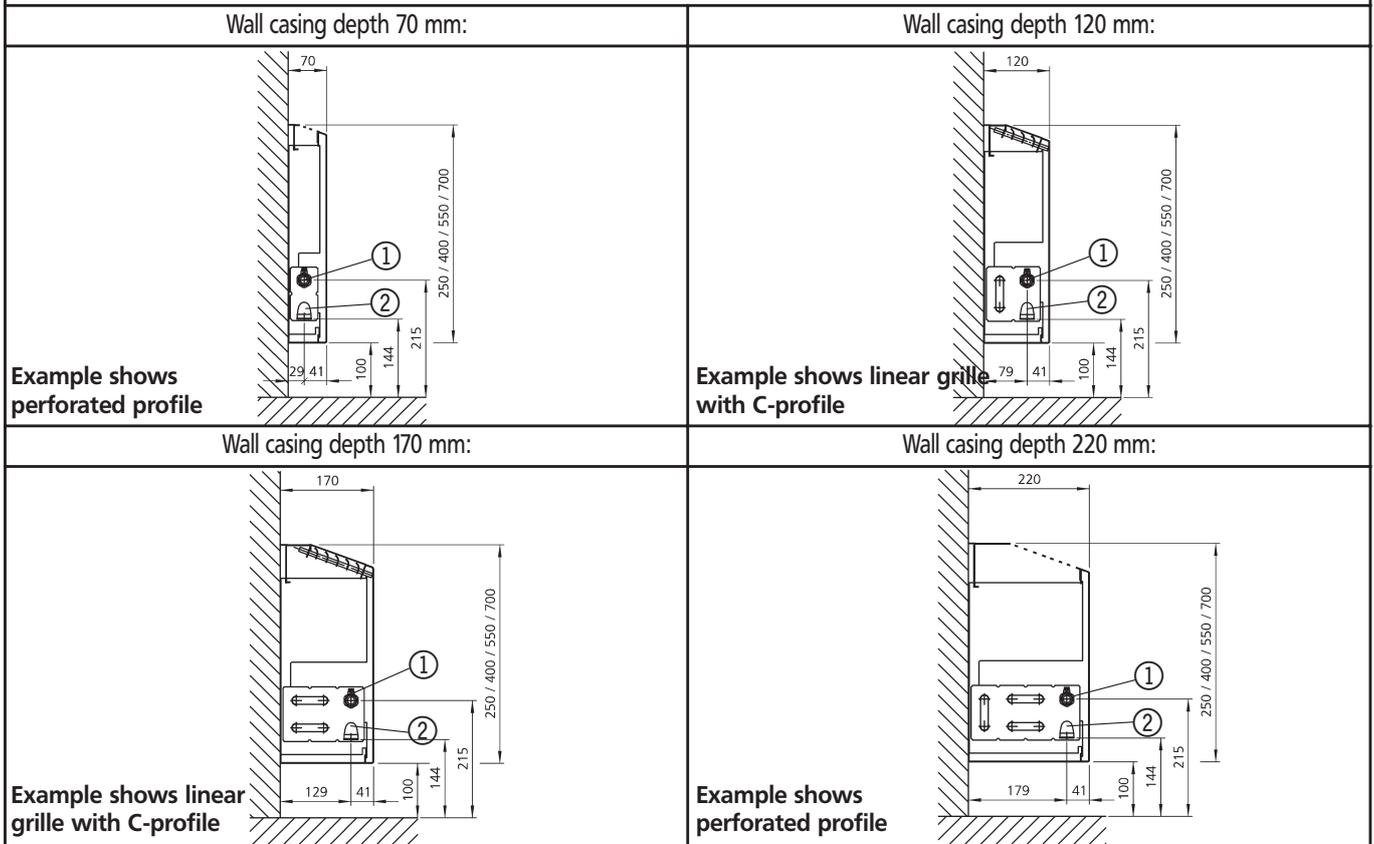


Fig. 5: Dimensions of valve connection

- ① Flow connection 1/2"
- ② Return connection 1/2"
- ③ Air vent
- ④ Thermostatic valve body 1/2" (accessory)
- ⑤ Thermostatic valve head (accessory)
- ⑥ Return shut-off valve 1/2" (accessory)

*Dimensions based on Kampmann convector connection set type 126102 (optional accessory)

Fig. 6: Dimensions of water connection



- ① Flow connection 1/2"
- ② Return connection 1/2"

4.3 Fitting Wall Casing

- Place the wall casing with the valve recess so that it fits over the wall brackets and the heat exchanger as shown in Fig. 7. Ensure that the spacing dimensions are adhered to, as listed in Fig. 8 on page 8.
- Then fit the thermostatic valve head type 110210 ⑤ as per Fig. 5.

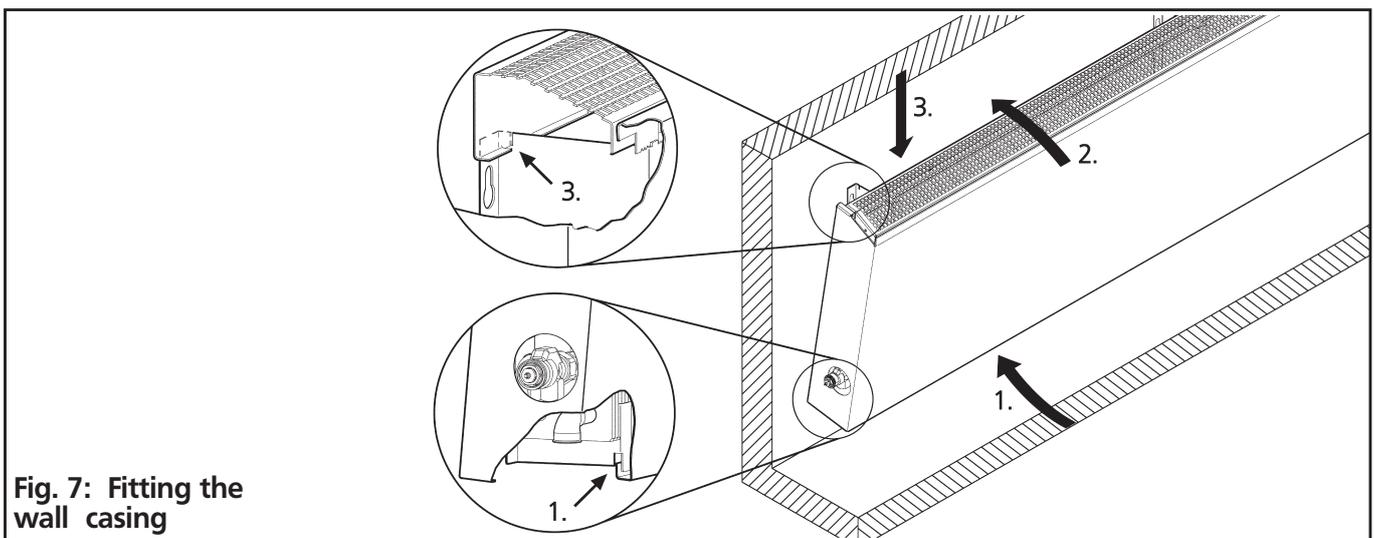


Fig. 7: Fitting the wall casing

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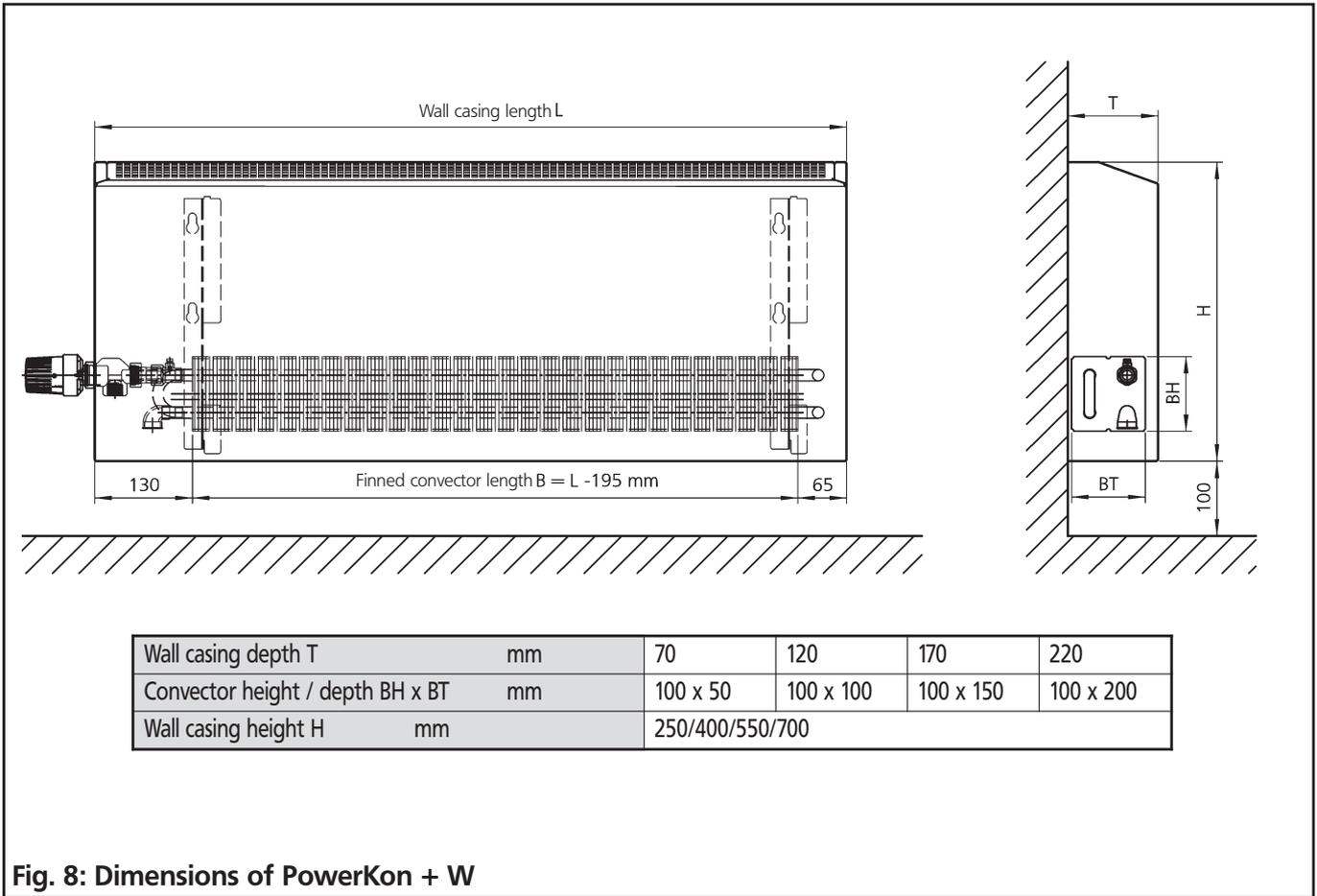


Fig. 8: Dimensions of PowerKon + W



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