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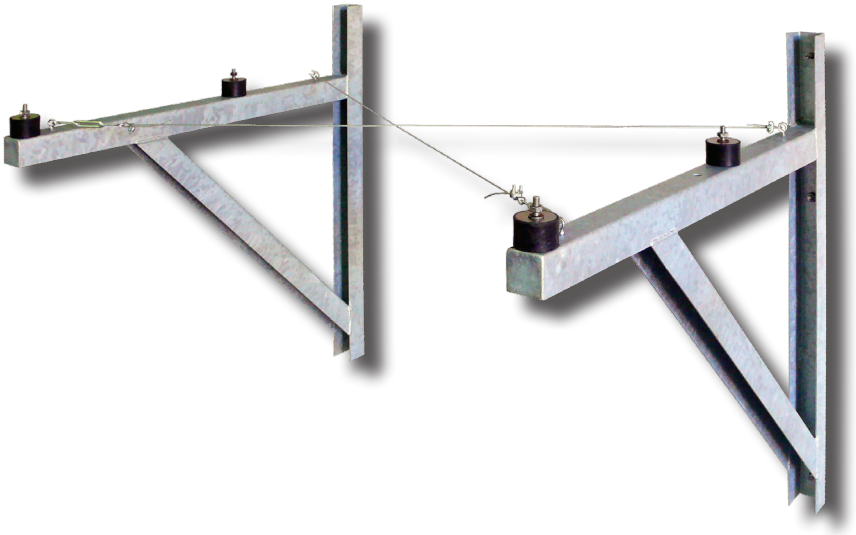


WALL MOUNTING BRACKETS

Installation and Operation Manual | EN

WALL MOUNTING BRACKETS FOR CTC EA 410-420 and CTC EA 622 HEAT PUMPS

WALL MOUNTING BRACKETS

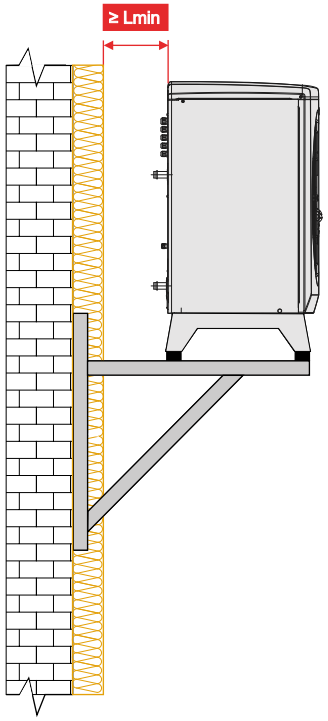
1. Introduction

Brackets for the CTC EA 410-420 and CTC EA 622M series heat pumps allow easy and quick mounting on a wall or other vertical structure. They are used to hang the heat pump to the required height above the ground. The surface of the brackets is hot-dip galvanized and thanks to that it is protected against corrosion for a long time. The delivery includes steel ropes ensuring the spatial rigidity of the structure and silent blocks for anti-vibration mounting of the heat pump.

The bracket is intended for installation of heat pumps of the CTC EA 410-420 and CTC EA 622M series on an insulated wall. In the case of installation on an uninsulated wall, it is possible to order a smaller bracket, code 17458.

To ensure a sufficient air supply, it is necessary to observe the minimum required distance of the heat pump from the insulated wall according to the table below:

Heat pump model		Lmin ≥ [mm]	Max. insulation thickness [mm]
CTC EA	410	300	200
	415	400	150
	420	400	150
	622M	400	150

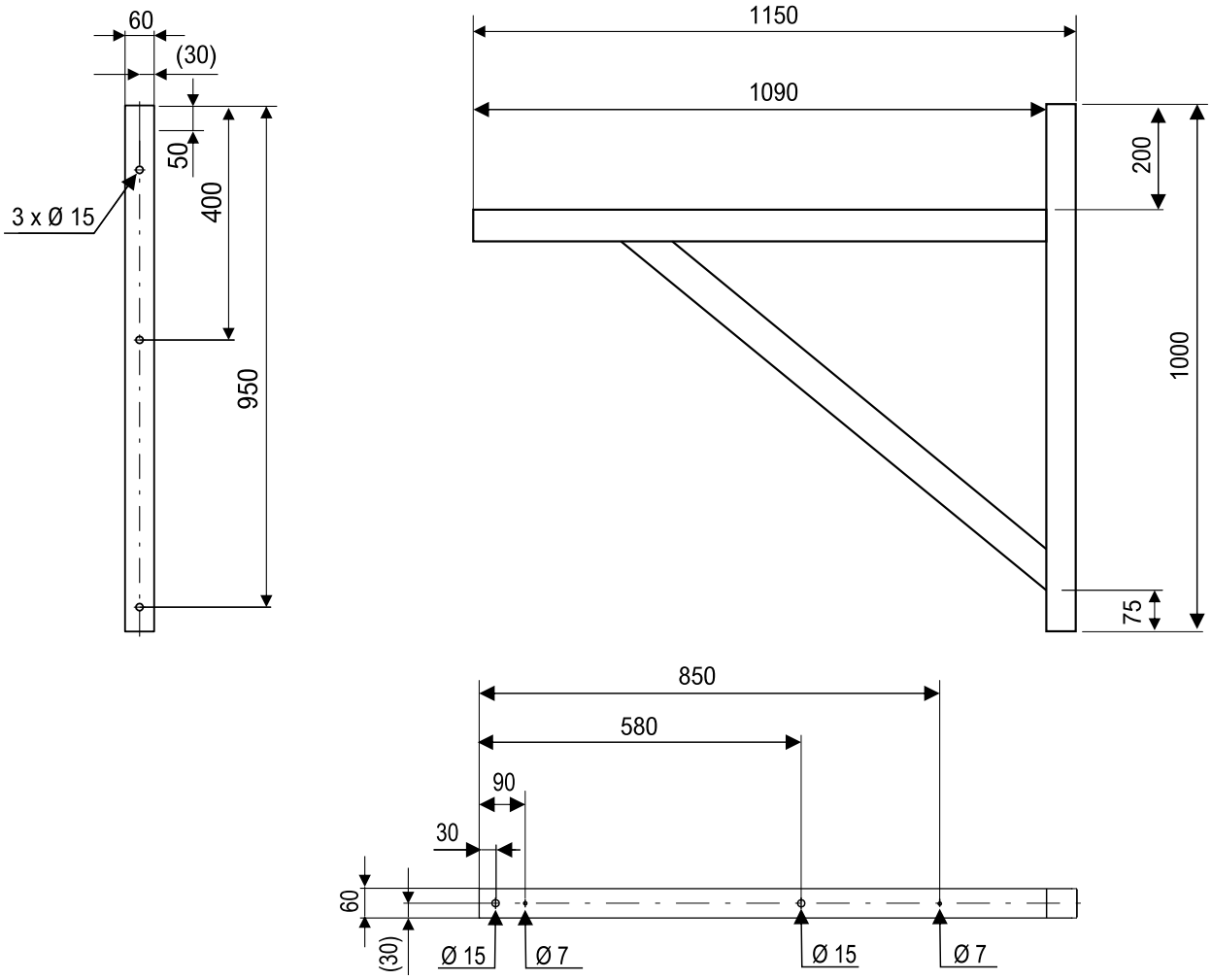


2. List of Components

The kit for mounting the heat pump on the wall includes the following parts:

- welded galvanized bracket (2 pcs)
- steel wire rope Ø 3.15 mm, l= 1500 mm (2 pcs)
- flat wire rope clamp, 3 mm (4 pcs)
- M5 hook and eye wire rope tensioner (2 pcs)
- M6x50 eye bolt (4 pcs)
- spring washer Ø 6.1 mm (4 pcs)
- M6 nut (6 pcs)
- silent block, 60x40 mm, type 1, M10x28 (4 pcs)
- mudguard washer. 10,5x30 mm (8 pcs)
- M10 nut (8 pcs)

3. Dimensions



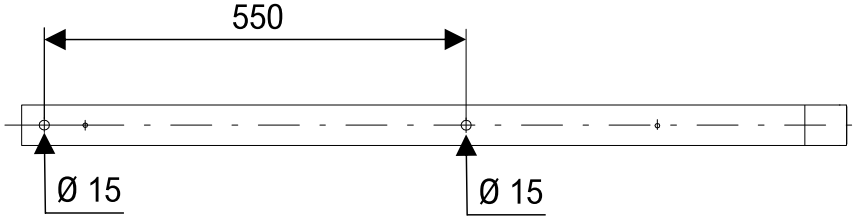
4. Wall Mount Procedure

4.1 Choice of the mounting method and preparatory work

Note: Always mount the bracket directly on the wall as follows. Under no circumstances is it possible to mount the bracket directly on the wall insulation!

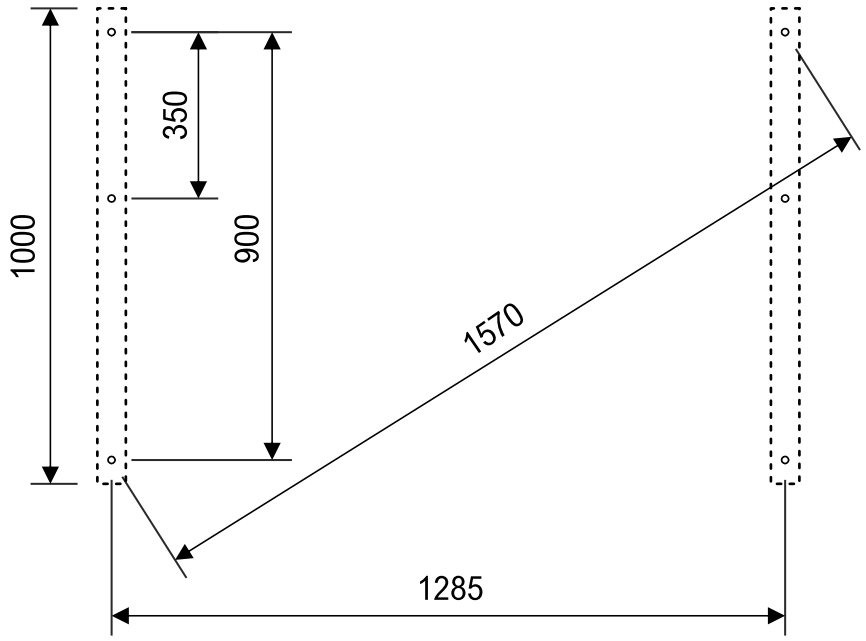
Before mounting the bracket on the wall, it is important to carefully choose the method of mounting according to the composition of the wall and its load-bearing capacity. It is also important to remember that depending on the size of the heat pump, the wall will be loaded with a weight of over **200 kg**. For this reason, it is recommended to use **a chemical anchor** or **a through-wall anchor** for installation.

The package includes **silent blocks** which are used for flexible mounting of the heat pump. It is recommended to follow this procedure for their installation: **Unscrew the adjustable legs of the heat pump**, then **screw in the silent blocks instead** and place the heat pump with the silent blocks on the supporting structure in which there are pre-drilled holes of **15 mm diam.** The holes are pre-drilled in the bracket with a 550 mm pitch.



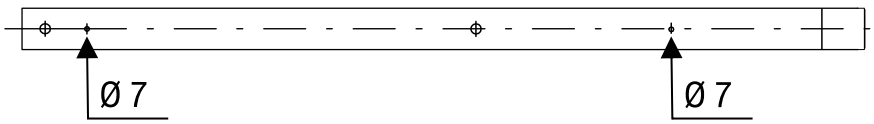
4.2 Mounting on a wall

When mounting using a **chemical anchor**, follow the information provided by the manufacturer of the respective chemical anchor. To perform the installation, it is necessary to drill **6 holes** in the wall for the **M10** or **M12** threaded rod at the following pitches:



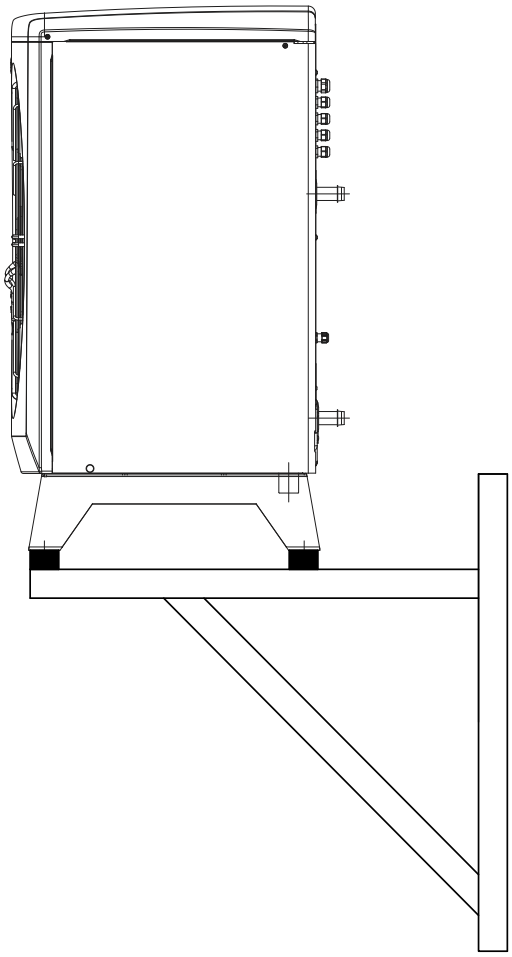
4.3 Windbracing

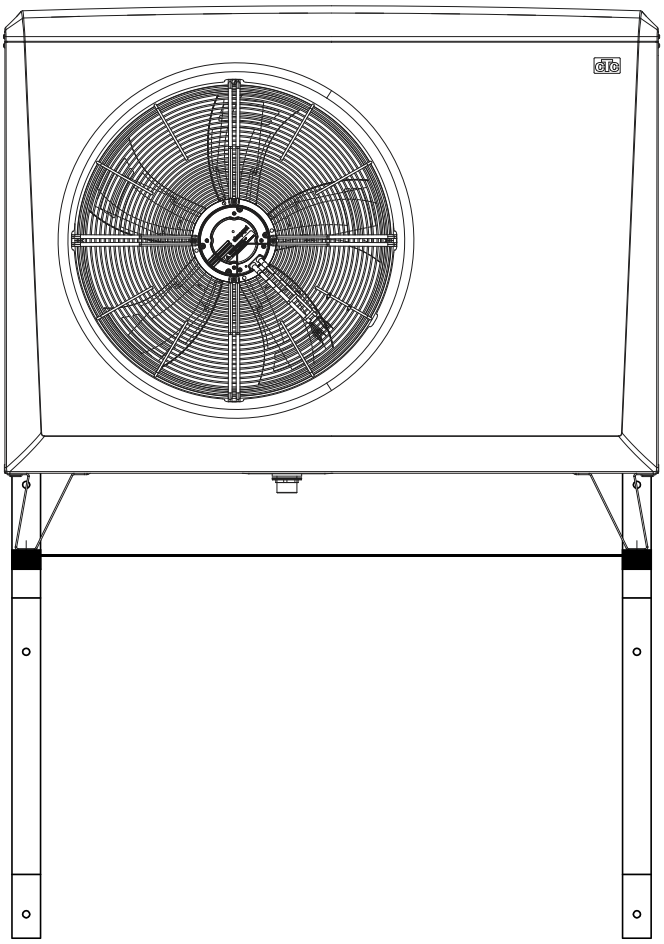
To ensure sufficient spatial rigidity, shape and position of the structure, it is necessary to perform **windbracing**. The enclosed steel ropes with tensioners and eyebolts are used for this purpose. Two pre-drilled holes of **7 mm diam.** in each bracket are used to fasten the steel ropes using M6x13 mm eye bolts. After attaching the steel rope, it is necessary to tension it using **rope tensioners**. **Tighten the rope only so that the structure is not deformed or shifted from its original position.**



4.4 Mounting the heat pump on the supporting structure

After performing all the previous steps after which the structure is firmly attached to the wall and windbraced, place the heat pump on the supporting structure. **It is important that the heat pump is mounted on silent blocks.** Secure the heat pump with the washers and nuts provided.





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