

# Accessory Manual

## Outdoor Unit Stand

OUS GEN 2.0 – ES Stand for outside units ES M8/M12/M15 R290 and  
AW6/9/12/15/19 R32 S/M V8

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# 1 Introduction

This manual covers the main steps and detailed installation procedure for the **OUS GEN 2.0** Outdoor Stand.

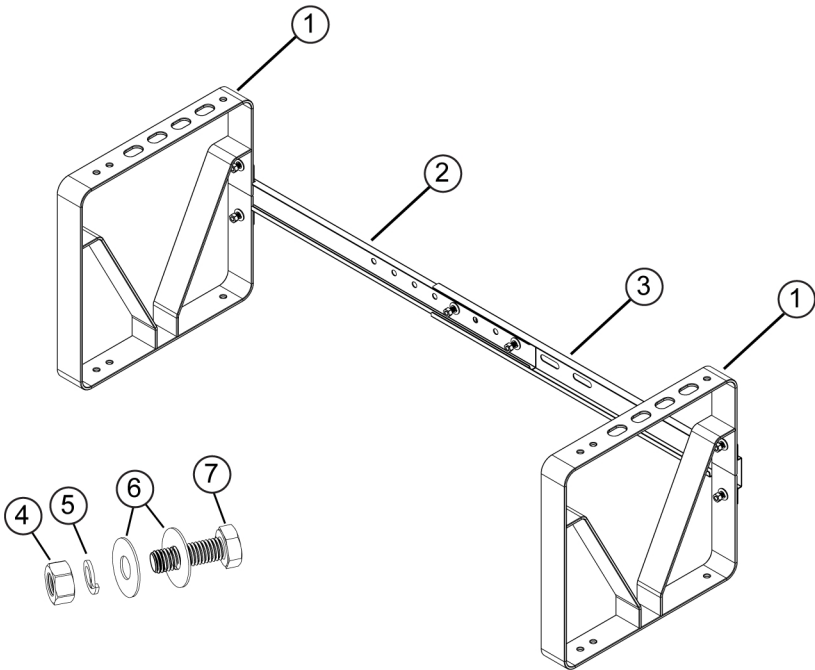
The outdoor stand is adjustable and can be used with the following outdoor units:

- ES M8 R290, ES M12 R290, ES M15 R290 1 PH, ES M15 R290 3 PH
- AW6 R32 M V8, AW9 R32 M V8, AW12 R32 M V8, AW15 R32 M V8, AW19 R32 M V8
- AW6 R32 S V8, AW9 R32 S V8, AW12 R32 S V8

The manual is intended for personnel involved in the installation of the heat pump as well as the connected equipment.

# 2 Parts list

Description	Article number
OUS GEN 2.0 outdoor unit stand	120711



Item no.	Part name	Quantity
1	Outdoor stand	2 pcs
2	Adjustable stabilising bar 1	1 pcs
3	Adjustable stabilising bar 2	1 pcs
4	Nut M8	10 pcs
5	Spring washer	10 pcs
6	Plain washer	16 pcs
7	Hex bolt M8 × 25	10 pcs



#### NOTE

Please check the package and make sure all the parts are present. If anything is missing or damaged, please contact your local distributor.

## 3 Preparation before the installation

Prepare a solid flat foundation that can withstand five times the weight of the outdoor unit that you intend to install. Weight of your specific unit is to be found in the installation manual for your unit. The prepared foundation should have a small incline so that the drainage water can drain properly.

### 3.1 Preparing the site for installation

When preparing the site for installation work, follow the applicable environmental and safety regulations.

- 1 Identify any potential risks or challenges. Consider the layout, dimensions, access, power, ventilation, earthing, and environmental factors.
- 2 Clear the site from any material and obstacles in order to provide adequate space for the whole workflow when it comes to safety and ergonomics.
- 3 Ensure that the site is free of dust, dirt, grease, oil, or moisture that could damage the equipment or affect its performance.
- 4 Observe the stated space requirements and plan the placement of the equipment accordingly.
- 5 Make sure that people in the building are informed about any interruptions of water supply or power during the work.

### 3.2 Drainage preparation

The drainage of the condensation water must work properly not to cause damage to the building.

- Make sure that the outlet of the condensation water pipe is correctly positioned.
- If the water pipes are at risk for exposure to frost they must be provided with a suitable heating cable.
- Make sure that local regulations are followed for the drainage.
- Check the condensate drainage regularly (especially in autumn) and clean if necessary.

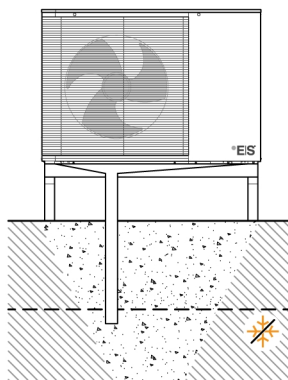
The following alternatives are recommended drainage solutions.



#### NOTE

Both of these drainage solutions require that the outdoor unit has been equipped with a drain pan.

## Stone caisson



**Figure 1: Stone caisson drainage**

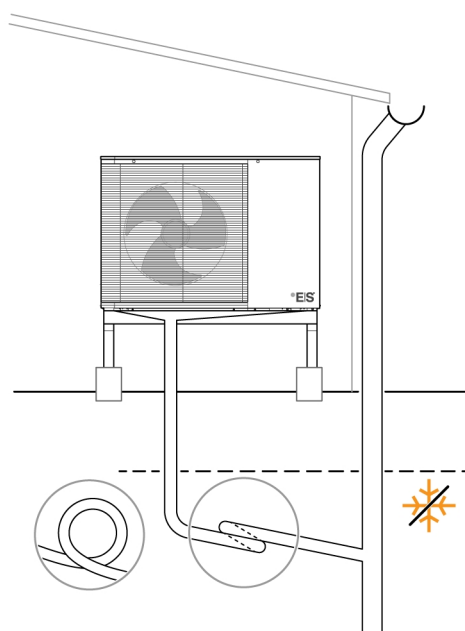
For the stone caisson it is important to make sure that it is placed in such a way that the condensation water is not transported towards the cellar of the building. If there is no cellar then the stone caisson can be placed underneath the outdoor unit.



### NOTE

The drainage is only centralized when the ES Drain Pan is installed.

## Gutter drainage



**Figure 2: Gutter drainage**

For the gutter drainage it is important that the drainage pipe has a water seal to prevent air from circulating in the drainage pipe.

The outlet of the condensation water pipe must be located at a depth below the frost line to prevent freezing.



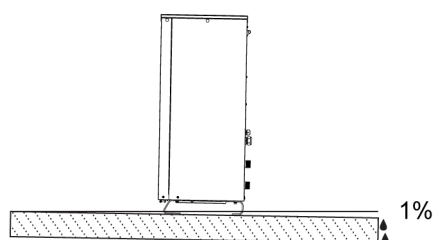
## NOTE

The drainage is only centralized when the ES Drain Pan is installed.

### 3.3 Placing the outdoor unit

- 1 Above the prepared drainage, create a solid flat foundation, stable enough to carry the weight of the outdoor unit.

The foundation should have a small incline (10 mm per 1000 mm) in order to prevent ice build-up. This also applies when installing a drain pan.



- 2 Use appropriate lifting equipment and connect to the outdoor unit.
- 3 Lift and position the outdoor unit in place on the foundation or stand using the lifting straps.



## CAUTION

Do not attempt to place the outdoor unit without appropriate lifting equipment. Keep hands away from the impact area.

- 4 Ensure that the unit is tilted slightly backwards to prevent ice build-up.
- 5 Secure the unit in place using a chain or strap to prevent tip-over accidents. The metal grid in the back right side or one of the pipe connection screws can be used to anchor the unit when installing it without an outdoor stand. Otherwise the outdoor stand will be anchored to the ground, and the unit anchored to the stand.
- 6 It is recommended to install a drain pan to capture condensation. When installing, ensure that it is done correctly to ensure proper operation and to prevent the build-up of ice, that may otherwise damage the outdoor unit.

For more information, refer to the *Drain Pan Accessory Manual*.

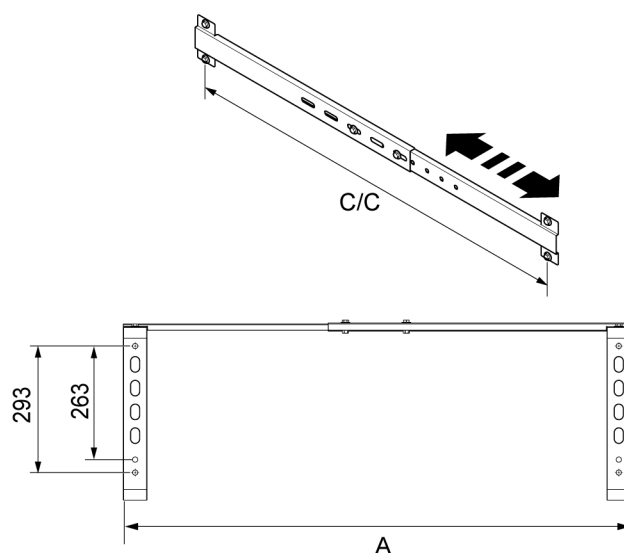
## 4 Mounting instructions

### 4.1 Assembling the outdoor unit stand

**Table 3: Stabilising bar length**

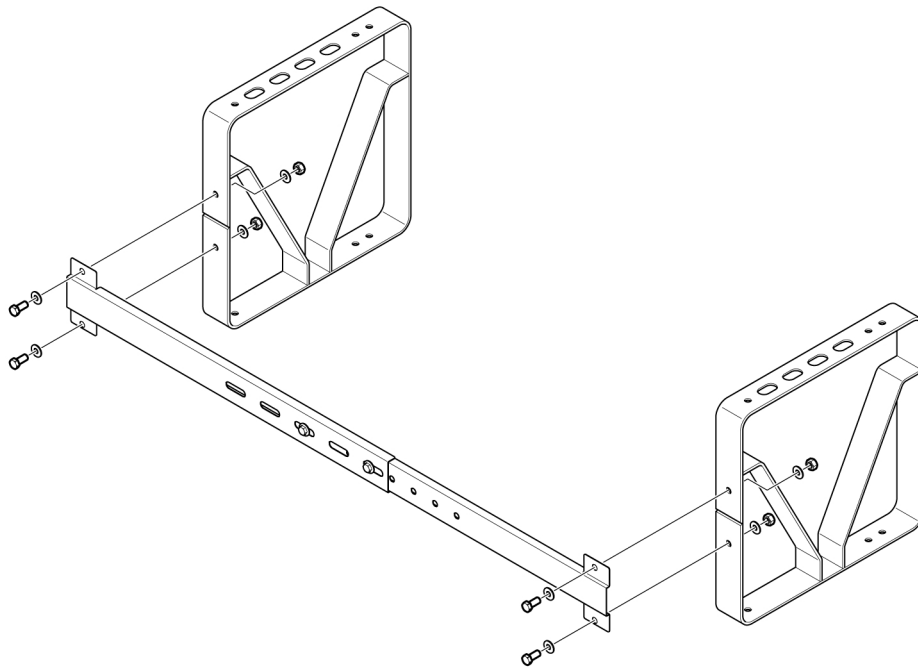
Model	Distance C/C (mm)	Outer dimension (mm)
ES M8 R290 ES M12 R290	1119	1174
ES M15 R290 1PH ES M15 R290 3PH	1054	1109
AW6 R32 M V8 AW9 R32 M V8 AW12 R32 M V8	938 1120	993 1175
AW15 R32 M V8 AW19 R32 M V8	1020	1075
AW6 R32 S V8 AW9 R32 S V8 AW12 R32 S V8	938 1020	993 1075

- 1 Measure and assemble the adjustable stabilising bar according to the distance listed in Table 3 "Stabilising bar length", page 7, and the illustration below.



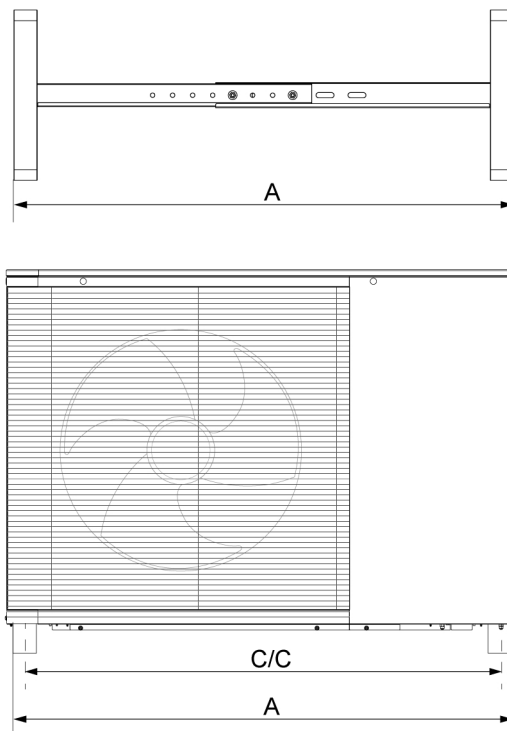
Tightening torque for the bolts is 22 Nm.

- 2** Assemble the stabilising bar together with the outdoor stand side sections, using four bolts, washers, and nuts.



Tightening torque for the bolts is 22 Nm.

- 3** Double-check that the outer dimensions are the same for the stand and the outdoor unit.





- 4 Lift the stand and place it in the final position.

**CAUTION**

Make sure to use appropriate lifting equipment, such as lifting straps.

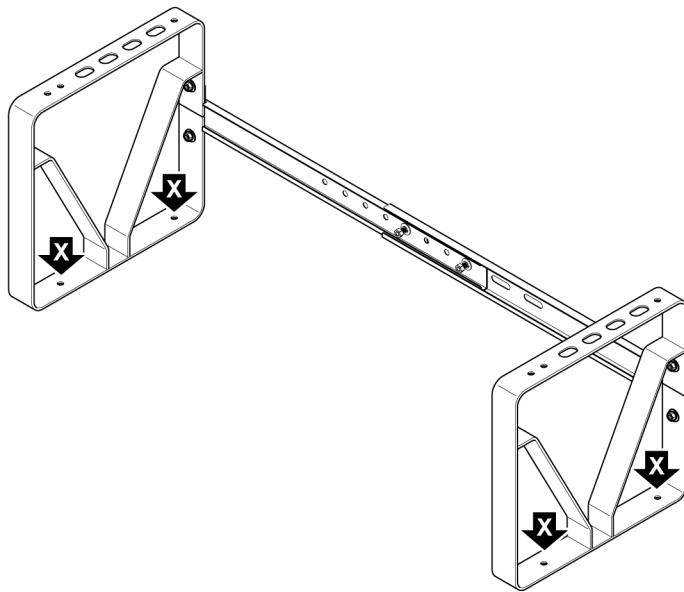
- 5 Measure the outer dimension of the rear and front of the outdoor stand, and adjust the position of the outer sides if needed.

**CAUTION**

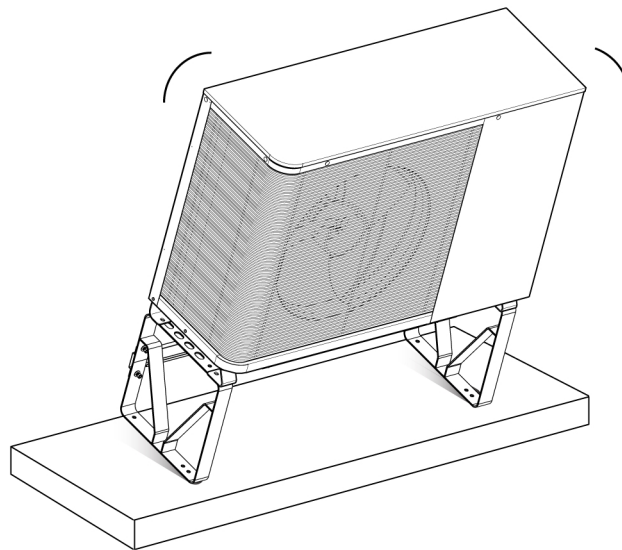
Do not drag the stand along the ground as this may damage the paint surface and lead to corrosion.

## 4.2 Mounting the outdoor unit on the stand

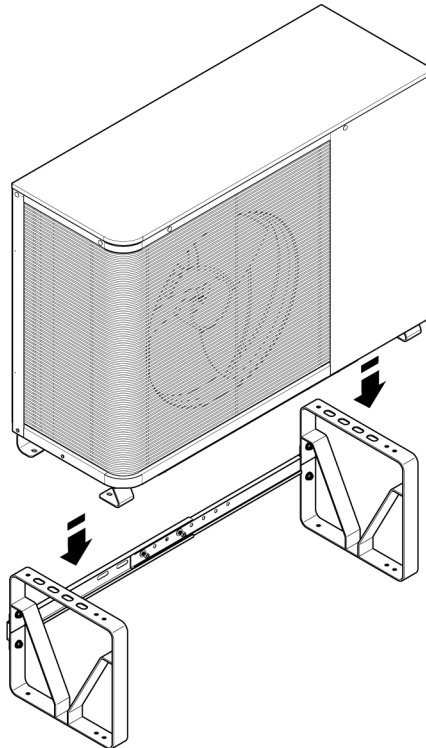
- 1 On the foundation for the heat pump, mark the location of the four holes (X) at the bottom of the stand.



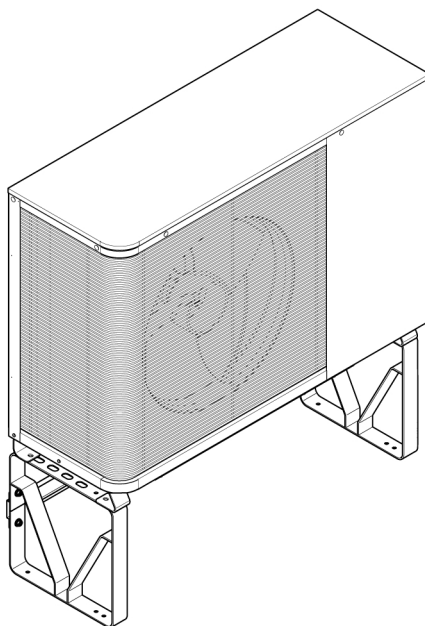
- 2** Choose proper fixations and attach the stand to the foundation, in order to avoid tipping of the outdoor unit.



- 3** Lift the outdoor unit and place it on top of the outdoor stand, using appropriate lifting equipment.



- 4 Use four bolts together with washer and nuts to attach the outdoor unit to the outdoor stand.





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