

# Sources

## Adding a heat pump



Heat pumps are added to a design within the [Plan task](#).

While on a [design option](#), drag and drop a *Pump* from the left-hand sidebar to place a heat pump in the plan. After placing the heat pump, you can select the model. Choose from the **recommendations** or scroll through the sections on the left, sorted by **brand and type** (monoblock and split).

When a heat pump is selected, on the right you will see specs, and Midsummer stock levels and pricing. If your account is [connected to Midsummer](#), you will also see your specific pricing.

## Sources tab

On the *Sources* tab, you will see:

Sources Hot water Emitters Accessories

**Maximum demand met**  
Heat pump output: 4950 W / 2883 W

**Sound check incomplete**  
Missing sound check data

Change calculation method  
Samsung R290 5kW

Heat pumps Outside design temperature Edit ODT

**Samsung R290 5kW**

Model: AE050CXYDEK/EU  
Sound power level: 55.0 dB  
SCOP at 44°C: 4.21  
Output at 44°C: 4.950 kW

Total heat pump output / total heat loss

Heat pump details

- Total heat pump output / maximum demand
- Sound check information (UK only): choose sound check method and complete sound check for each heat pump
- Outside design temperature (ODT) settings
- Details of selected heat pumps

## Heat pumps

Heat pumps Outside design temperature

**Samsung R290 5kW**

Model: AE050CXYDEK/EU  
Sound power level: 55.0 dB  
SCOP at 44°C: 4.21  
Output at 44°C: 4.950 kW

Show all details  
Sound check  
Delete heat pump

Edit heat pump selection

To **edit** or **delete** the selected heat pump(s), either delete directly from the design option floor plan or navigate to the *Sources* tab where you can:



#### Edit heat pump

Re-open the heat pump selector menu to change the heat pump.



#### Show all details

Show/hide the nominal capacity and ENA registration number.



#### Sound check

Complete sound check for this heat pump. Read more about this below.



#### Delete heat pump

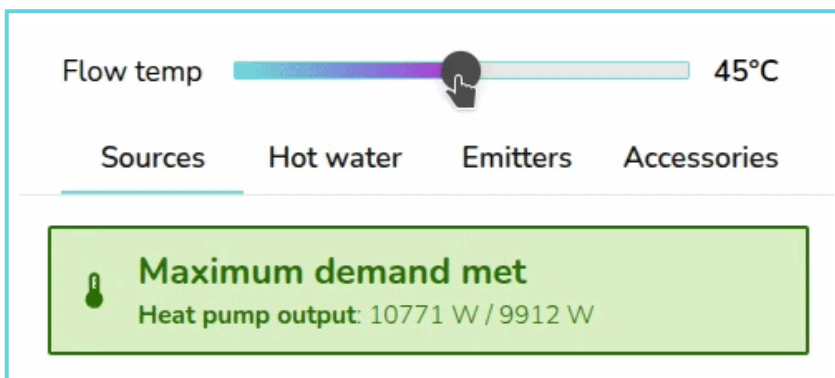
Remove heat pump from this design option.

For each heat pump, you can see:

- Model
- Sound power level (dB)
- SCOP at flow temperature
- Output at flow temperature

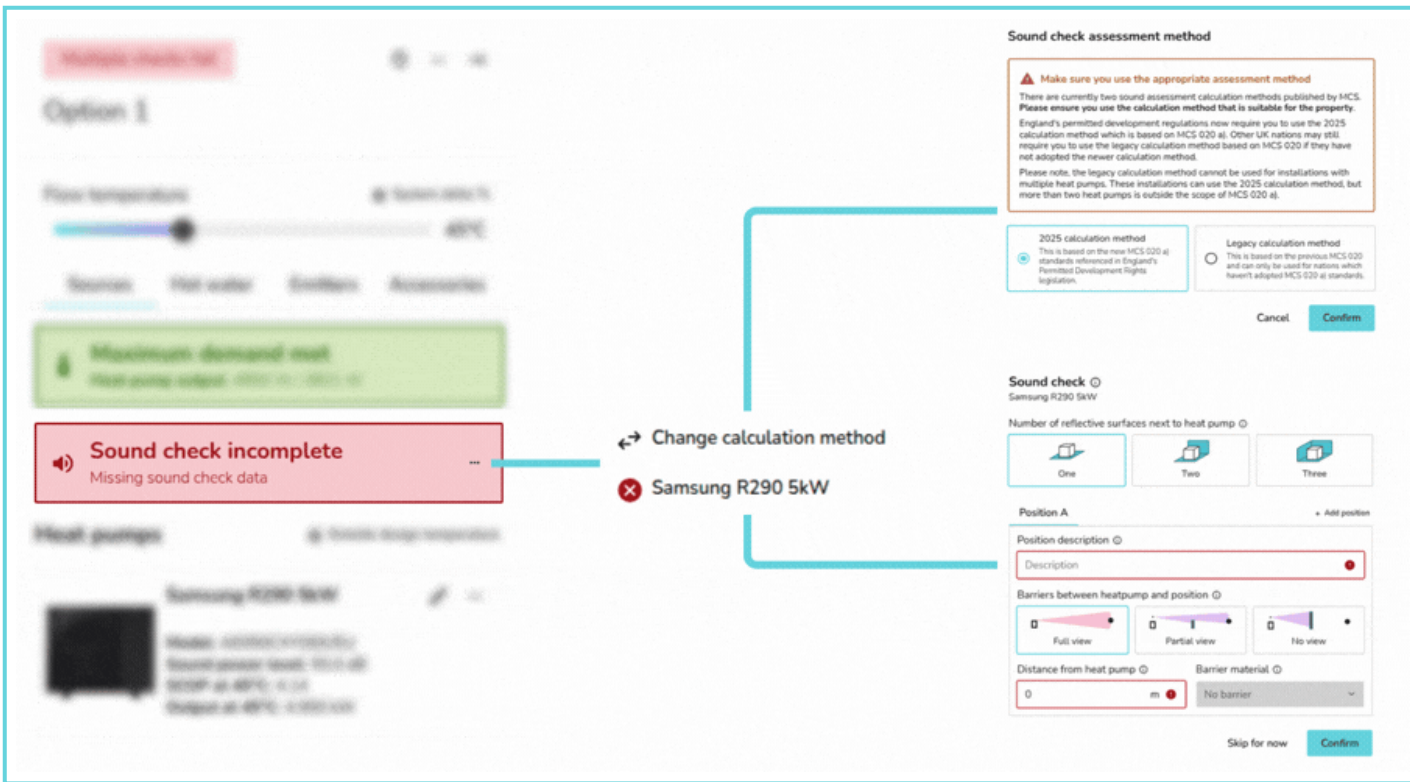
On the heat pump, click **⋮ (three dots)** > **Show all details** to also display the nominal capacity and ENA registration number (UK).

Adjust the **flow temperature** at the top of the right-hand sidebar:

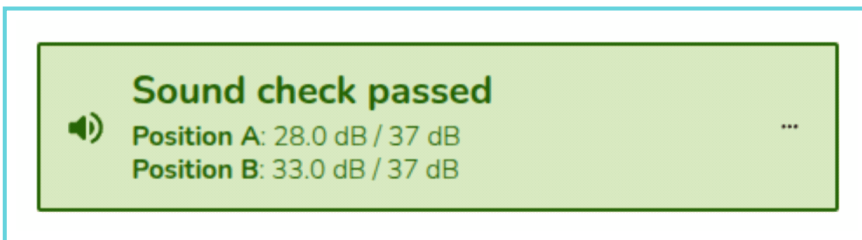


## Completing the sound check (UK only)

Once you have added a heat pump, you can complete the sound check for that heat pump. On the *Sources* tab, where it says *sound check incomplete*, click the **⋮ (three dots)** and then the name of the heat pump(s).



Once you have completed the sound check for all heat pumps in the design option, the result will be displayed in the same section:



Sound checks on multiple heat pumps can only be completed using MCS 020 a) (2025 method). [Read more about the sound check.](#)

## Editing ODT settings

To change the ODT for the project, select *Outside design temperature* next to *heat pumps*:

## Outside design temperature

Set a custom outside design temperature (ODT) for extreme environments. Your current heat pump configuration supports ODTs between -10°C and 2°C.

 °C 

**Adjust with caution. Our automatic ODT, based on property Postcode CB24 6AZ, provides a more accurate result.** Note, changing this value does not affect the "outdoor low temperature" used in the MCS performance task.

Cancel

Confirm

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Read more about [ODT in Heatpunk](#).

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If you have further questions, please get in touch at [help@heatpunk.co.uk](mailto:help@heatpunk.co.uk) or [help@heatpunk.ie](mailto:help@heatpunk.ie).

Revision #44

Created 2 April 2026 14:41:08 by Daisy

Updated 5 May 2026 11:54:06 by Daisy