

Introduction to the Plans Task

In the Plans task, you create your initial floor plan - the *surveyed plan* - and then create [design options](#) by placing heat pumps, cylinders, and modelling emitter upgrades directly on the plan.

With heat loss calculations fully integrated into the Plans task, you can clearly see where [emitter upgrades](#) are needed. The [ventilation calculation](#) and, for UK users, the [sound check](#) are also completed in this task.

Creating your surveyed plan

When creating a floor plan, the first step is to select or create your [material palette](#). This palette determines the materials (radiators, walls, windows, floors, etc.) you can use to model the property. This can be edited at any stage.

You will be then prompted to complete the [ventilation calculation](#).

Ventilation calculation

For Heatpunk UK/IE, choose from:

- Legacy MCS method / S.R.50-2021
- Standard method / BS EN 12831-1:2017 using assumed air permeability
- BS EN 12831-1:2017 using measured air permeability

Once completed, you can edit the ventilation calculation by clicking click the **...** **three dots** in the top right corner and then selecting *Ventilation details*.

Creating floor plan

You will then be prompted to input the default ceiling height and complete the surveyed plan.

To build your plan, drag and drop elements (rooms, radiators, windows, doors) from the left-hand sidebar. As you build the plan and add emitters, you can view the heat loss, total floor area and W/m^2 at the bottom of the right-hand sidebar. For details on the heat loss for individual rooms, click [See room details](#) on the right-hand sidebar of each room.

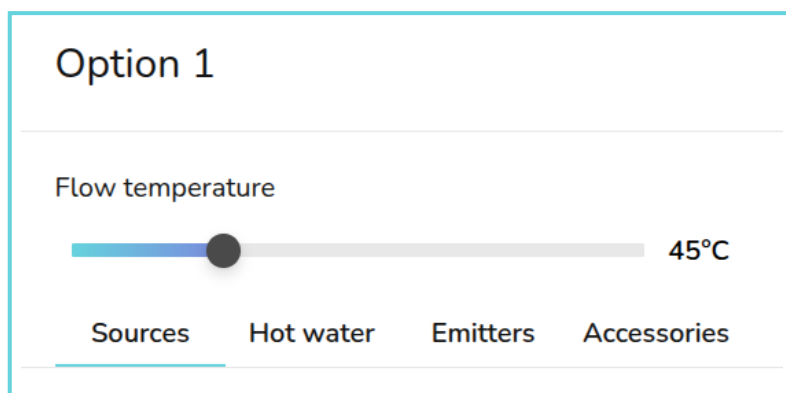
Read more about [creating a floor plan](#) and how to speed up creating your floor plan by [uploading architectural plans](#) with Heatpunk Pro.

All emitters added to the *surveyed plan* will be listed as *Existing* in the Emitters tab. Read more about [emitters](#) for details on emitter upgrades and UFH.

Once you have completed your initial plan, click **Finish surveyed plan** at the top.

Completing design option plan

Design options are built on top of the surveyed plan. Here you can model the heat pump, cylinders and emitter upgrades directly onto the plan.



On the right hand sidebar, you can **adjust the flow temperature** using the slider. From the Sources and Emitters tab, you can view how this affects the heat pump and emitter outputs.

Changes made to the **room temperature, ACH** and **emitters** are specific to each design option. Changes will not apply across plans. Navigate back to the *surveyed plan* to make any changes to your existing emitters. Any other fabric or layout changes can be made from any design option but will apply to all of them. Read more about [how design options work](#).

Sources



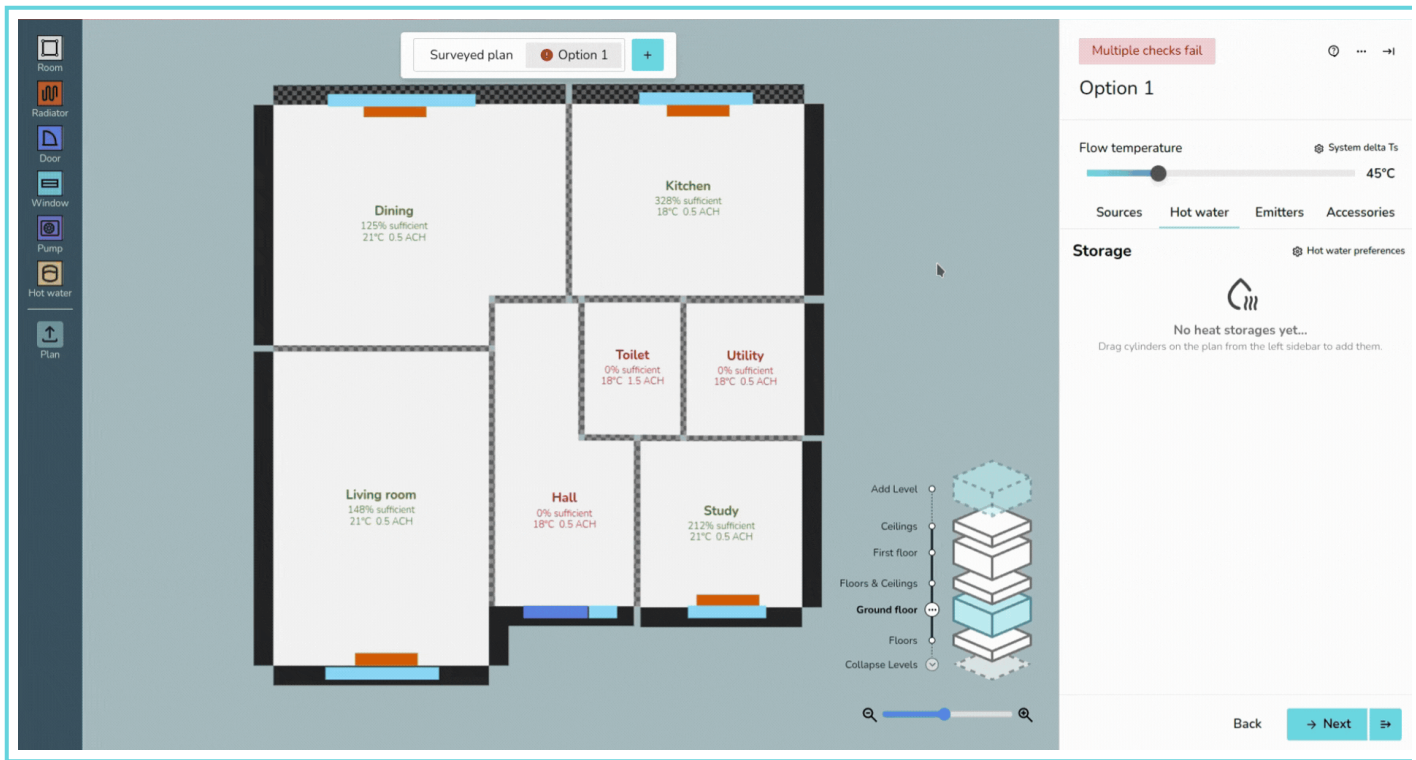
To add a heat pump, while on a design option drag and drop a *Pump* from the left-hand sidebar. Once you have placed these on the floor plan, a menu will pop up to specify the model.

Sound check (UK)

The sound check status can be seen on the right-hand side. Click the **...** **three dots** and then the name of the heat pump(s) where the sound check hasn't been completed.

Read more about [selecting a heat pump and completing the sound check](#).


Hot water



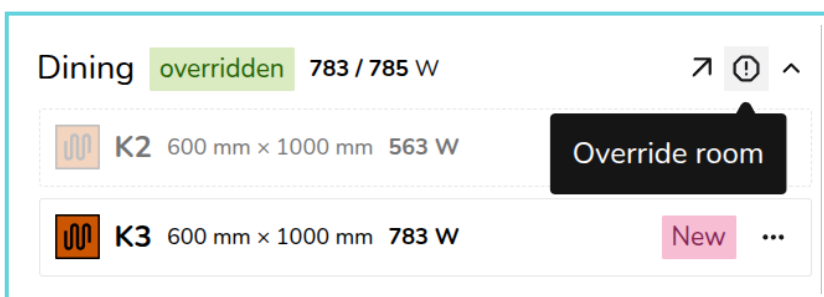
Similarly, to add a hot water storage, drag and drop from *Hot water* on the left-hand sidebar. A menu will then appear to specify the model.

Read more about specifying [hot water storage](#), including information on domestic hot water calculations.

Emitters


From the Emitters tab, you can see the existing, removed and new emitters for each room. You can click the  on each room to see the full room details.

You can also add room overrides by clicking the exclamation icon and inputting the reason for the override.



To model emitter upgrades follow the steps outlined below.

- To upgrade existing radiators, click on the radiator from the plan and click upgrade. Input the new radiator details and save.

- To replace an existing radiator with UFH, delete the radiator from the floor plan and add underfloor heating by clicking the  on each room. Click *Add underfloor heating* and input the output and m².







Read more about [emitters](#).

Accessories

Once you have added both a heat pump and hot water storage, a menu will appear to add any accessories. If possible, compatible accessories will be automatically selected. This step can be skipped.






Additional components

Select any additional components to add to the project.
These components will appear in the financial task and can be viewed on the overview page.

<input checked="" type="checkbox"/>	3 ×		FastenTherm Heat Pump Foot and Strut Single
<input checked="" type="checkbox"/>	1 ×		Intaflex Hose Kit 1" F x 28mm straight pair
<input checked="" type="checkbox"/>	2 ×		Inta 1 1/4" Female Swivel x 1" Male Flat Face Extended Key Type Ball Valve
<input checked="" type="checkbox"/>	2 ×		Mut Meccanica Anti Freeze 1 1/4 Inch Swivel
<input checked="" type="checkbox"/>	10 ×		Primary Pro 28mm x 19mm Insulation - 1 metre length (1 Metre Length)
<input checked="" type="checkbox"/>	1 ×		ESBE MBA132 3-Way Motorised Ball Valve DN25

[Reset to defaults](#) [Skip](#) [Confirm](#)

To re-open the accessories menu, navigate to the accessories tab and click + *Add Accessories*. If you already have accessories selected, click *Edit accessories*.

Sources	Hot water	Emitters	Accessories
Accessories Edit all accessories			
	ESBE MBA132 3-Way Motorised Ball Valve DN25		1
	FastenTherm Heat Pump Foot and Strut Single		3
	Full bore pump valve pair - 28mm x 1 1/2		1
	Heat Pump Isolator - Scame - Grey - 32A 3-pole		1
	Inta 1 1/4 Female Swivel x 1 Male Flat Face Extended		2

If you have further questions, please get in touch on help@heatpunk.co.uk or help@heatpunk.ie.

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