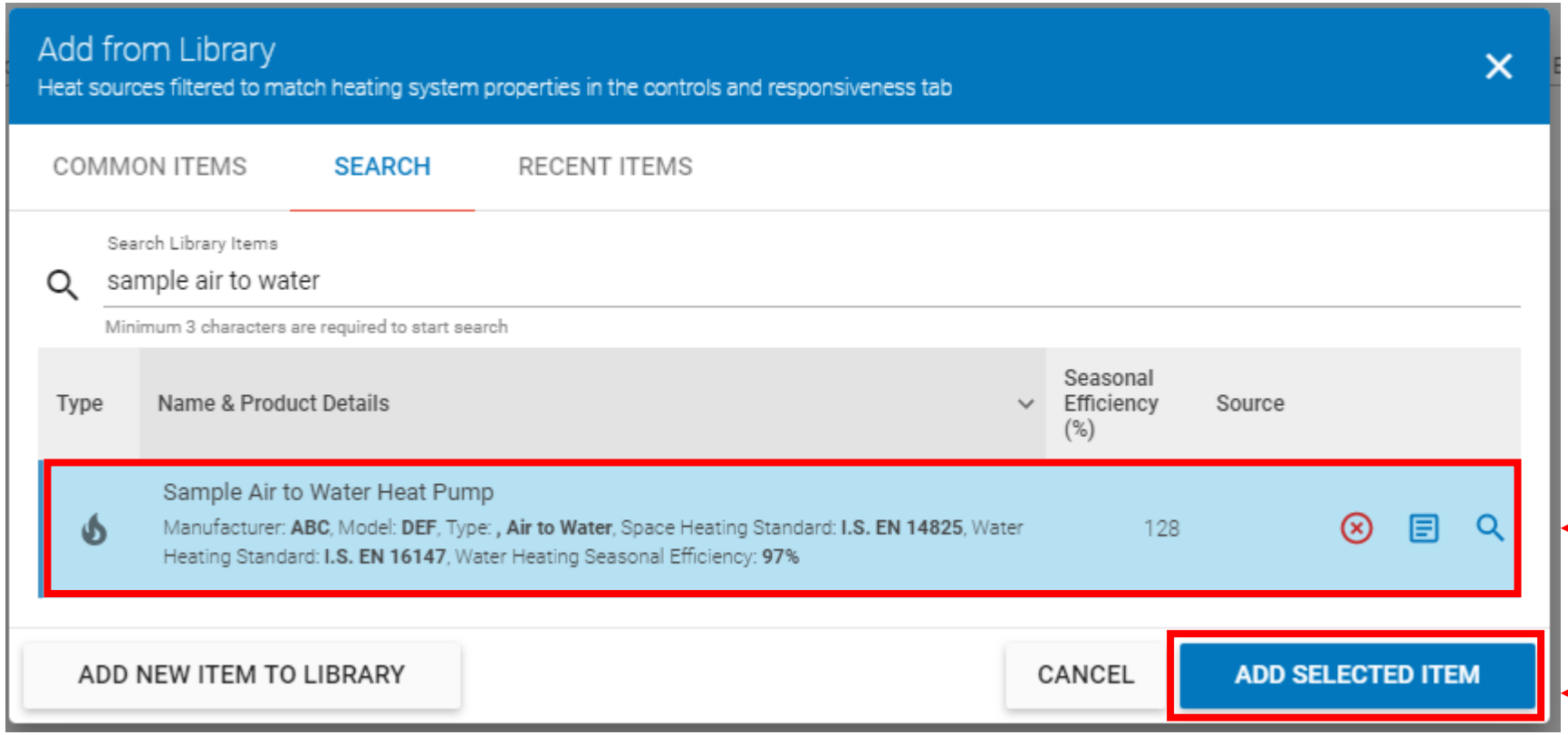
DEAP 4.2.0

Adding a Heat Pump to a Survey

SUSTAINABLE ENERGY AUTHORITY OF IRELAND

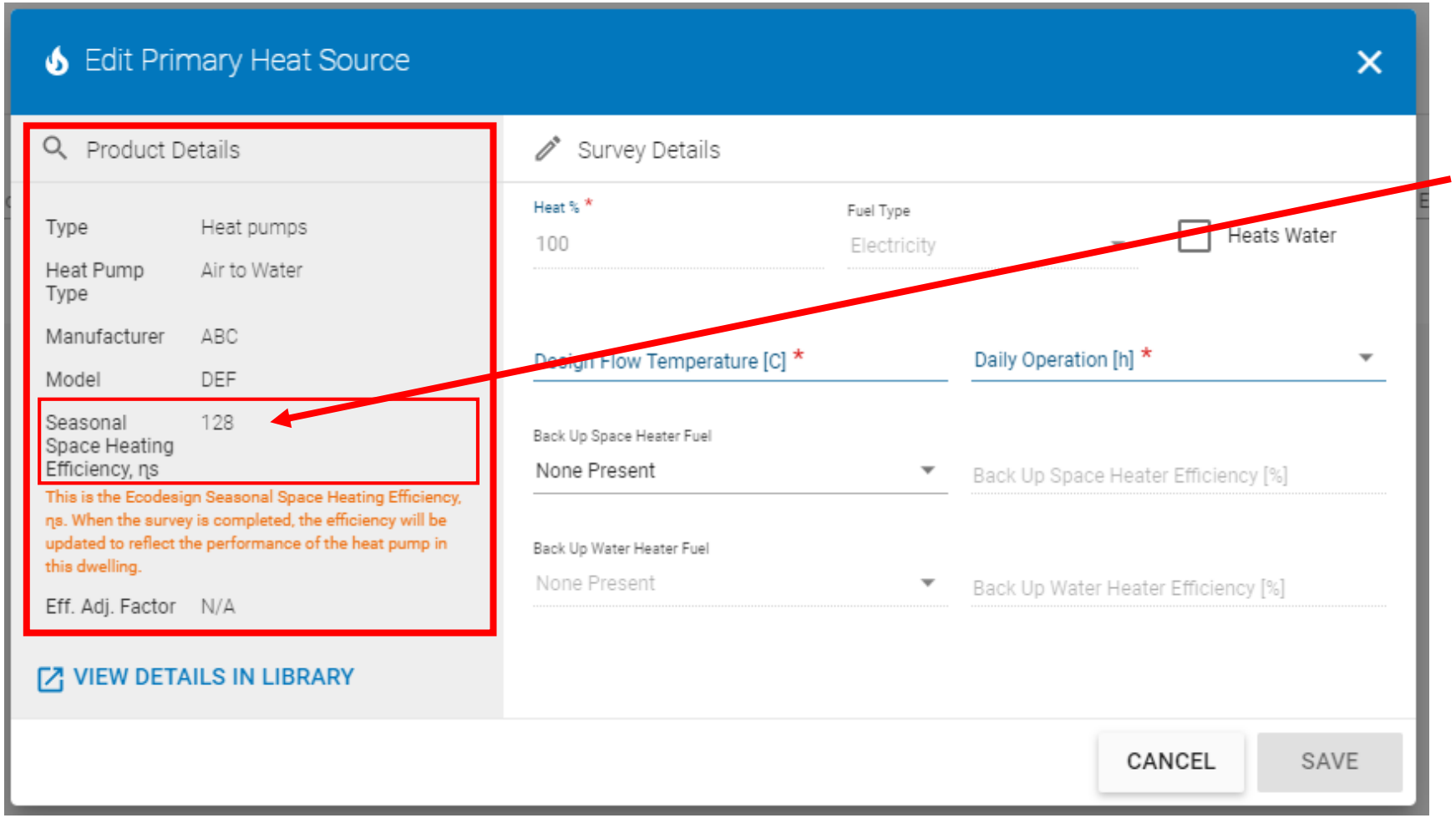
Adding a heat pump to a survey



Select heat pump in library

Click on ADD SELECTED ITEM

Adding a heat pump to a survey



When a heat pump (with EN14825/16147 data) is added to the survey, the Ecodesign seasonal space heating efficiency is displayed initially.

In order to calculate the **efficiency of the heat pump in the dwelling** and the associated **efficiency adjustment factor,** enter

- Design flow temperature
- Daily operation
- Back up space & water systems, if present
- Water storage details, if applicable

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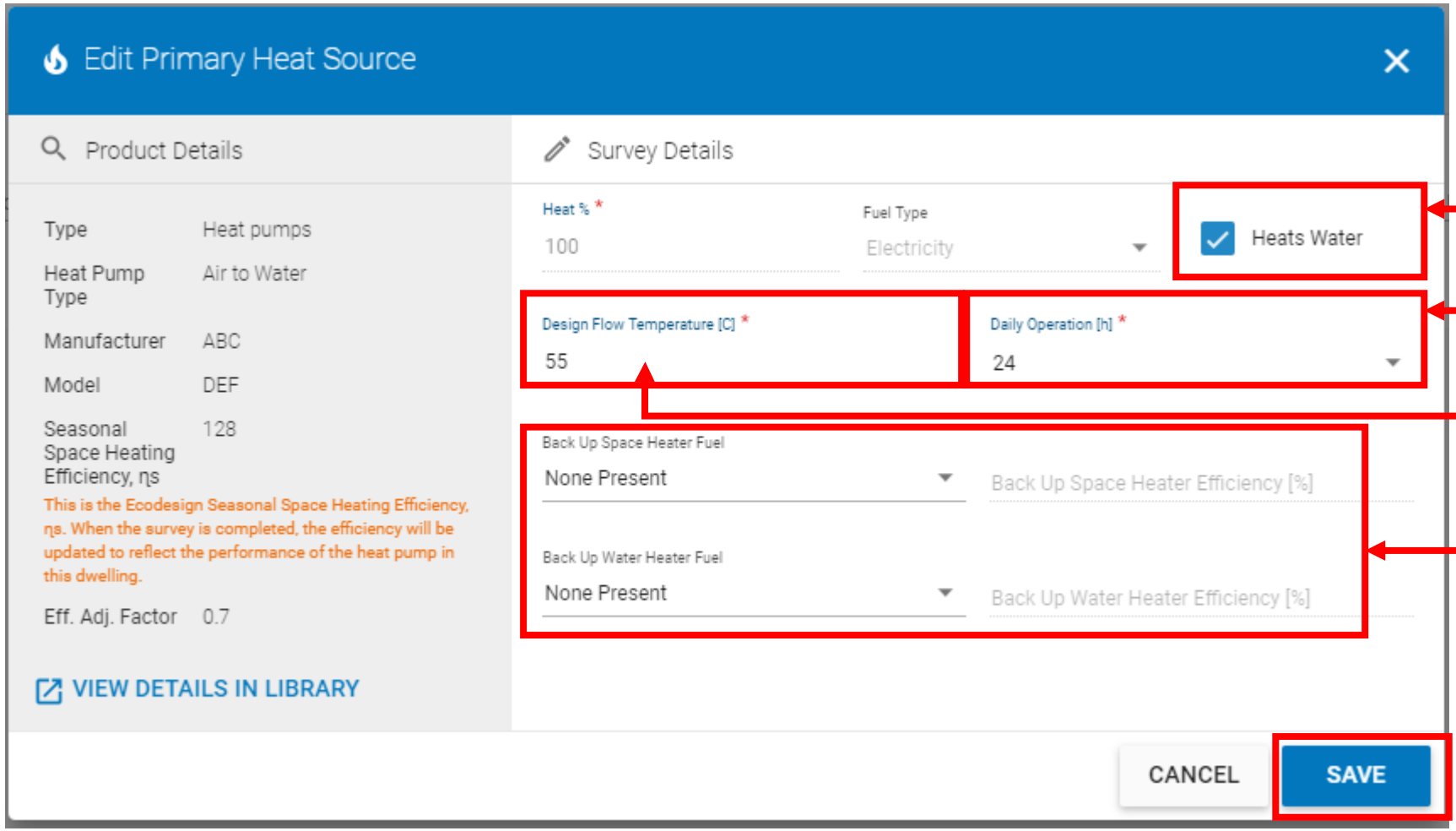

Tick box if heat pump also heats water

Input daily operation (h)

Input design flow temp (°C)

Input details of back up space and water heating if present

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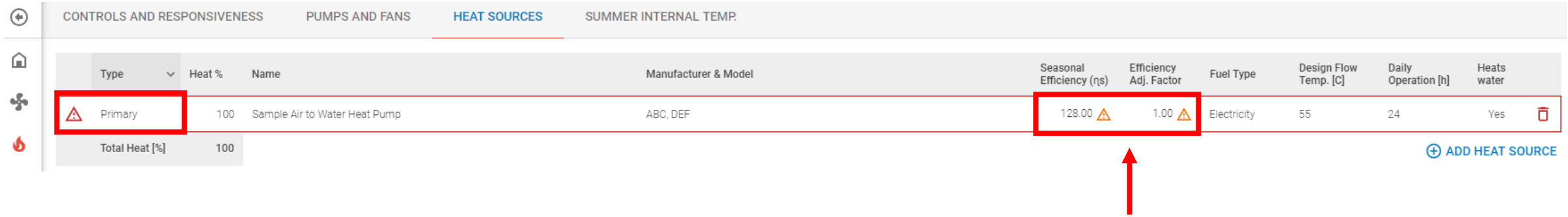
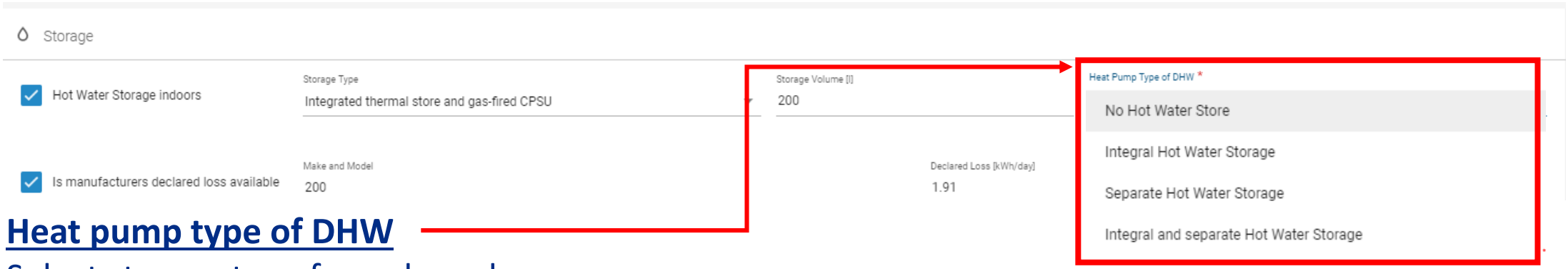


Where the heat pump also heats water - when the heat pump is added to the survey, **error messages** will appear to notify the user that **the seasonal efficiency of the heat pump** and **the efficiency adjustment factor will be updated** when the **DHW storage information is inputted**.

Go to water heating and enter water heating details

Adding a heat pump to a survey – complete water heating



Heat pump type of DHW

Select storage type from drop-down menu

This must be selected to calculate the water heating efficiency of the heat pump in the dwelling.

This sets the required flow temperature from the heat pump to the hot water storage [60°C/65°C]

6. Domestic Hot Water				
Output from Main Water Heater	0	kWh/yr	0	kWh/yr
Type of DHW	Separate Hot Water Storage		Integral Hot Water Storage	
Annual water heating provided by main water heating system	0	kWh/yr	0	kWh/yr
Cold Water Inlet Temperature	10	°C	10	°C
Required Flow Temperature from Heat Pump to Hot Water Storage	65	°C	60	°C
Volume of DHW Storage	0	litres	0	litres

This field previously appeared in the heat pump calculation tool

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