

NOTE

In performance test, the target temperature is preset and cannot be changed.

If the outdoor temperature is outside the range of operating temperature, the unit may not operate or may not deliver the required capacity.

In circulated pump operation, If the flow rate is out of recommended flow rate range, please make proper change of the installation, and ensure that the flow rate in the installation is guaranteed in all conditions.

15.4.4 Check of the minimum flow rate

1	Check the hydraulic configuration to find out the space heating loops that can be closed by mechanical, electronic, or other valves.
2	Close all space heating loops that can be closed.
3	Start and operate the circulation pump (See "12.1 Test run for the actuator").
4	Read out the flow rate ^(a) and modify the bypass valve settings until the set value reaches the minimum flow rate required + 2 l/min.

(a) During pump trail run, the unit can operate below the minimum required flow rate.

15.5 Hand-over to the user

Once the trial run is finished and the unit operates properly, please make sure the following is clear for the user:

- Fill the installer setting table (in the OPERATION MANUAL) with the actual settings.
- Empty the error history in the HMI before hand-over to the user.
- It is highly recommended to do the WLAN connection of the unit. You can read more information in the APP.
- Make sure that the user has the printed documentation and ask him/her to keep it for future reference.
- Explain to the user how to properly operate the system and what to do in case of problems.

-Basic operation guidelines can be found in the OPERATION MANUAL.

-For additional information about operation, see 13.2 Additional Operation Reference.

- Show the user what to do for the maintenance of the unit.
- Explain to the user about energy saving tips as described below.

15.5.1 Energy saving tips

Tips about room temperature

- Make sure the desired room temperature is NEVER too high (in heating mode) or too low (in cooling mode), and ALWAYS set it according to your actual needs. An rise/drop of one degree centigrade can save up to 6 % of heating/cooling costs.
- Do NOT increase/decrease the desired room temperature to speed up space heating/cooling as such operation cannot accelerate the heating/cooling process.
- When your system layout contains slow heat emitters (such as underfloor heating), avoid large fluctuations of the desired room temperature and do NOT drop or rise the room temperature excessively. Otherwise, it will take more time and energy to heat up/cool down the room again.
- Use a weekly schedule to meet your normal space heating or cooling needs. If necessary, you can easily deviate from the schedule:

1) For shorter periods: You can override the scheduled room temperature until the next scheduled action starts. For example, you can do this when you have a party, or when you are leaving for a couple of hours.

2) For longer periods: You can use the holiday mode.

Tips about DHW tank temperature

- Use a weekly schedule to meet your normal domestic hot water needs (only in scheduled mode).
- Program to heat up the DHW tank to a preset value during the night, because the space heating demand during such period is low.
- If heating up the DHW tank only at night is not sufficient, program to additionally heat up the DHW tank to a preset value during the day.
- Make sure the desired DHW tank temperature is NOT too high. For example, after installation, lower the DHW tank temperature daily by 1 °C and check if you still have enough hot water.
- Program to turn ON the domestic hot water pump only during periods of the day when instant hot water is necessary, such as in the morning and evening.

15.5.2 Additional operation reference

15.5.2.1 Mode

What

Set the unit operation mode for room comfort.

- Three modes in all – Space heating mode, space cooling mode, and auto mode.

AUTO mode	The unit will select the operation mode automatically based on the outdoor ambient temperature and some settings in "FOR SERVICEMEN". <ul style="list-style-type: none">• This icon is invisible if either the heating function or cooling function is disabled.
Heating	The icon of heating is invisible if the heating function is disabled.
Cooling	The icon of cooling is invisible if the cooling function is disabled.