

Produkt information

2017-02



Important product information for optimal performance

Purpose	Optimal settings for optimal performance and defrosting.
Model	AWH 9/11/13/20 V5+ and AWT 9/11/13 V5+
Serial numbers	Alla

NB! The type of model of your heat pump is found either on the sticker on the lid of the electronic box inside the unit or on the right side of the unit.

In order to secure optimal performance and defrosting, under all different kinds of circumstances, some settings must be checked and perhaps be corrected in the menu of the heat pump. This is something an end-user easily can check and change in the menu of the display. The whole operation takes approximately 5 minutes to perform.

The following points **must** be corrected in the menu:

- Shifting priority **must** be deactivated.
- The electric back-up heater **must** be allowed to work in domestic hot water mode. This apply only for AWT V5+ and this is setting C2 below.
- The water pump must be set to continuous running.

The following points **must** also be checked:

- The return water temperature in heating mode **must never be less the 23 degrees**, if lower the heat pump will never enter defrosting.
- The priority between hot water and heating operation must be checked and possibly be changed. (Valid only for AWT V5+ or AWH V5+ with diverting valve installed).
- The flow-switch **must** be activated.
- If using an external water pump this must be controlled by the heat pump.

Deactivating *Shifting priority* – parameter 6

1. When the unit is turned “OFF”, press “SET + M” for 5 seconds.
2. When the parameters are shown, in the bottom of the display, press “UP” until you see “06”.
3. At parameter “06” press “SET” and the values above starts flashing.
4. Press “DOWN” several times until the value is 100.
5. Press ”SET” to confirm the setting.
6. Press ”ON” in order to go back
7. Finished!

Other settings and checking

When the unit is turned **"OFF"**, push **"DOWN"** for 5 seconds.

1. " - - - " is shown. Press **"UP"** to jump between the 4 positions and **"DOWN"** to adjust the value where it is flashing.
2. Enter the code **22 34** and press **"SET"** in order to confirm the password.
3. Press **"UP"** until it shows **"02"** in the bottom of the display and check the value in the right corner is **"60"**.
 - a. If the value is **"60"** go to point 4.
 - b. If the value is **"00"** or anything else, press **"SET"** and arrow **"UP"** until the value is **"60"** and the confirm by pressing **"SET"** to confirm and then go to point 4.
4. Press **"UP"** until it shows **"05"** in the bottom of the display and check that value in the top right corner is **"00"**.
 - a. If the value is **"00"** go to point 5.
 - b. If the value is **"01"**, press **"SET"** and then **"DOWN"** to change the value to **"00"**, press **"SET"** to confirm and the go to point 5.
5. Press **"clock"** until it shows "A1" in the bottom of the display.
6. Press **"SET"** until the values start flashing.
7. Press **"UP"** and change the value to 16
8. Press **"SET"** to confirm the setting.
9. Press **"UP"** until it shows **"A2"** in the bottom of the display.
10. Press **"SET"** and the values start flashing.
11. Press **"UP"** and change the value to 16
12. Press **"SET"** to confirm the setting.
13. Press **"clock"** until it shows **"C1"** in the bottom of the display and press **"UP"** in order to get to **C2**.
14. Press **"SET"** and the values start flashing and change to 1.
15. Press **"SET"** to confirm the setting.
16. Press **"ON"** in order to back.
17. Finished!
18. Press **"ON"** in order to start the unit again.

Important information to take into consideration

The return water temperature in heating must never go below 23 degrees.

In order to protect that the heat pump's components doesn't take any damage of too low water temperatures there is a built-in protection of 23 degrees return water temperature to the heat exchanger. This protection intends to secure proper defrosting function and secure correct operations of the unit. It is of the highest importance to ensure that the return line of the heating system never goes below 23 degrees. If the water temperature drops lower than this temperature the unit won't defrost and it can cause damage to the whole unit.

The flow-switch must be activated.

The flow-switch is a protection that should ensure proper circulation of water in the unit and it must at all time be activated. It will give an alarm if the water flow is too low and it will give an alarm if there is water flow when it shouldn't be water flow. If the water flow is too low or there isn't any flow at all, the unit can be damaged. If the flow switch is deactivated, you choose to deactivate a very important security function of the unit, which should ensure function and reliability.

External water pump must be controlled by the heat pump

If there is an external water pump in the same circuit as the heat pump, the external water pump must be controlled by the heat pump. The power supply of the external water pump must be connected to the correct terminal of the heat pump (PUMPH + N). If the system doesn't have a by-pass the heat pump's internal by-pass must be opened.

If the heat pump is connected to a buffer tank a setting must be changed for this (Advanced setting group 0 – parameter 3 = 1). See the manual for further information regarding this.