

16.2.2023

Operating an Aries heat pump with a reserve power source

Devices: Aries 6 – Aries 12 -C

The heat pump can be operated with a reserve power source (generator/aggregate unit). However, we do not recommend operating a compressor controlled by a frequency converter on reserve power. The quality of electricity provided by reserve power sources differs depending on the manufacturer and model, so we recommend operating the device with *reserve heat*.

The heat pump has a supply water electric heater, which operates when the device is in reserve heat mode. The electric heater has a power of 6,000 W and operates on three-phase electric power (400 V). If you connect your heat pump to a reserve power source, put the heat pump in reserve heat mode to use the electric heater to warm the air and domestic water.

The reserve power source must supply sufficient power for the electric heater and circulator pump. Choose a suitable reserve power source according to the manufacturer's instructions.

In RESERVE HEAT mode, the heat pump starts up the heating circulator pump (230 V, max. 100 W) and the supply water electric heater. The electric heater is controlled in increments according to the heating required in the building. The power increments are 2,000 W, 4,000 W and 6,000 W.

Activating RESERVE HEAT mode on the heat pump.

Log in to the controller as the maintenance user to alter the heat pump control mode. Hold down the knob on the controller for three seconds. Then use the knob to enter the code 2000. Press the button to accept your choice.

- Normally, the device is always in AUTO mode. Turn off the device by placing it in the OFF state before you switch the heat pump to reserve power.
- When the device is off, put the line protection circuit breakers in the OFF position and remove the mains power plug from the socket.
- Connect the plug to the reserve power source.
- If you use a change-over switch, turn the device off in a controlled manner before changing over.
- After connecting the heat pump to the reserve power source, put all the line protection circuit breakers except F2 into the ON position.

Switch to reserve heat mode as follows:

- Press the knob to enter the MAIN MENU.
- Select HEAT PUMP and press the knob.
- Select RESERVE HEAT mode.
- The device will start up as normal in the reserve heat mode and heat your building using the electric heater.

When you switch back to mains power, carry out the procedure in a controlled manner.

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