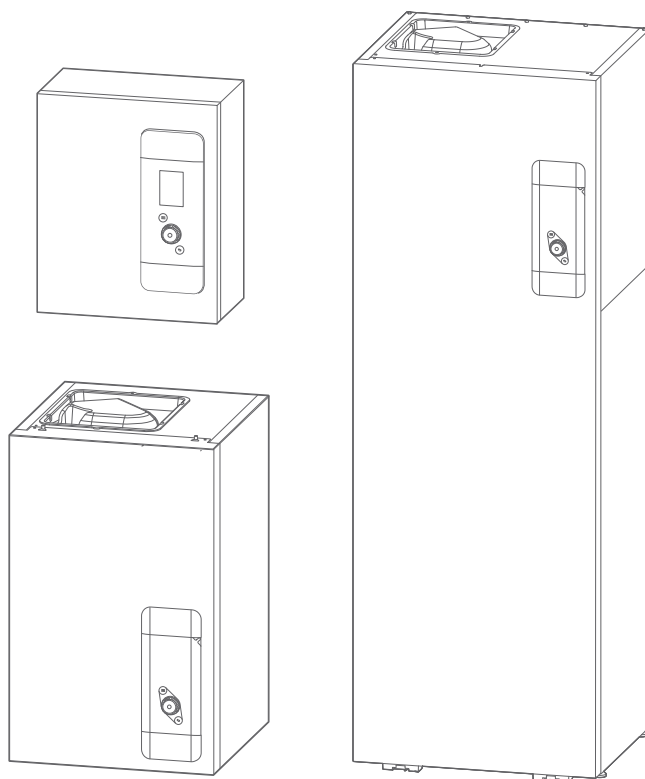




EN

OPERATING MANUAL

Monobloc Comfort

Monobloc 1 or 2 services air/water heat pump

Designed for professionnels. Please retain for future reference.

Safety instructions



Please comply with the following instructions in order to avoid any risk of injury or inappropriate use of the appliance.

Commissioning

Do not switch the appliance ON until every filling operation has been performed

Do not attempt to install this appliance yourself. This heat pump must be installed by qualified personnel holding a certificate of competence.

The installation must always be properly earthed and fitted with a safety circuit breaker.

Do not change the power supply.

The appliances are not fireproof and therefore **MUST NOT** be installed in an explosive environment.

How to Use

This appliance can be used by children from 8 years old and by persons with reduced physical, sensory or mental capabilities or without experience or knowledge, provided that they are properly supervised or if they have been given instructions on how to use the appliance safely and the risks involved have been understood. Children must not play with the appliance. Cleaning and maintenance by the user must not be carried out by children without supervision.

This device is not intended for use by persons (including children) whose physical, sensory or mental capabilities are reduced, or persons without experience or knowledge, unless they have benefited from the intermediary of a person responsible for their safety, surveillance or prior instructions concerning the use of the device. Children should be supervised to ensure that they do not play with the appliance.

Do not let children insert foreign objects into the propeller protection grate or climb on the outdoor unit. The fins of the air heat exchanger are extremely thin and can cause cuts.

Nothing should obstruct the air circulation through the evaporator and out from the fan.

The outdoor unit must only be installed outside. If a shelter is required, it must have broad openings on all 4 sides and

respect the installation clearances (see your installation engineer).

Do not climb on the outdoor unit.

Caution: copper pipes that carry refrigerating fluid may be hot and cause burns.

The room in which the unit is operating must be correctly ventilated in order to avoid any shortage of oxygen in the event of a refrigerant gas leak.

If your installation location already meets safety standards, do not carry out any modifications (ventilation, exhaust evacuation, openings, etc.) without the advice of your installation engineer.

Do not place any heat source under the remote control.

To avoid the risk of suffocation, keep plastic bags or plastic film of packaging materials away from young children.

Maintenance

Do not try to repair the appliance yourself.

If a power cable is damaged, it must be replaced by a qualified person to avoid any danger.

This appliance does not contain any components which can be repaired by the user. Removing either of the covers can expose you to dangerous electrical voltages.

Switching off the current is not sufficient to protect you from any external electrical shocks (condensers).

Do not open the outdoor unit or the indoor unit while they are in operation.

If you hear unusual noises, smell smoke or other odours coming from the appliance, turn off the power and contact your installation engineer.

Before starting any cleaning, turn off the power to the appliance.

Do not use aggressive cleaning liquids or solvents to clean the body work.

Do not use a pressure hose to clean the outdoor unit. You risk damaging the air exchanger and causing water ingress in the electrical circuits.



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Warning. Risk of serious injury to the person and / or risk of damage to the machine. Observe the warning.



Important information that must always be kept in mind.



Tips and tricks / Advice



Bad practice



Warning : Electricity hazard



Danger: Flammable Material!

► Outdoor unit

The outdoor unit extracts heat from the outside air.

It has been installed by my installer in a position that allows it to work at its best.

Nothing should obstruct the air circulation through the outdoor unit.

The water contained in the ambient air may condense and flow out of the outdoor unit. The outdoor unit can generate a large volume of water called condensates.

In cold weather, this water can freeze and must be regularly removed by defrosting cycles. The defrosting cycle is managed automatically and can produce quite normal steam emissions.

► Indoor unit

The indoor unit is located in my boiler room, cellar, garage..., and transfers energy to the heating and domestic hot water circuits*.

The indoor unit contains the appliance's control system which manages the room temperature and the production of domestic hot water*.

► Settings

My installer has carefully adjusted my installation. I don't change the settings without his agreement. If in doubt, I don't hesitate to contact him.

My heating system is regulated according to

- the indoor temperature (thermostat option)
- and / or
- the outdoor temperature (outdoor sensor option).

► Underfloor heating system

A new underfloor heating system must initially be heated slowly to avoid any problems involving cracking. I check with my installer that this initial heating procedure has indeed been performed before freely using my heating system.

An underfloor heating system's significant inertia prevents sudden room temperature differences. However, this inertia implies a reaction time of around several hours (approx 6 hours).

Any changes to the setting must be made slowly and leave the installation sufficient time to react. Any exaggerated or abrupt adjustments to the settings always result in significant temperature fluctuations during the day.

I don't reduce or turn off the heating for short absences. The reheating period is always quite long (approx 6 hours).

► Radiators

▼ Classic radiators

In order to ensure operation of the control system, the room containing the thermostat must not also contain a thermostatic valve. If this is the case, it must be opened as far as possible.

▼ Fan coils / dynamic radiators with an integrated control system

Do not use a room sensor in the area in question.

► Domestic Hot Water (DHW)*

When hot water is required, the heat pump adapts its priority to meet the request.

No heating is produced during the preparation of domestic hot water.

The heat pump produces the domestic hot water (DHW), which is then additionally heated, if required, by the electrical backup.

To ensure a DHW setpoint over 45°C, the electrical backup heating* must be left on.

He allows the correct operation of the anti-legionella cycles.

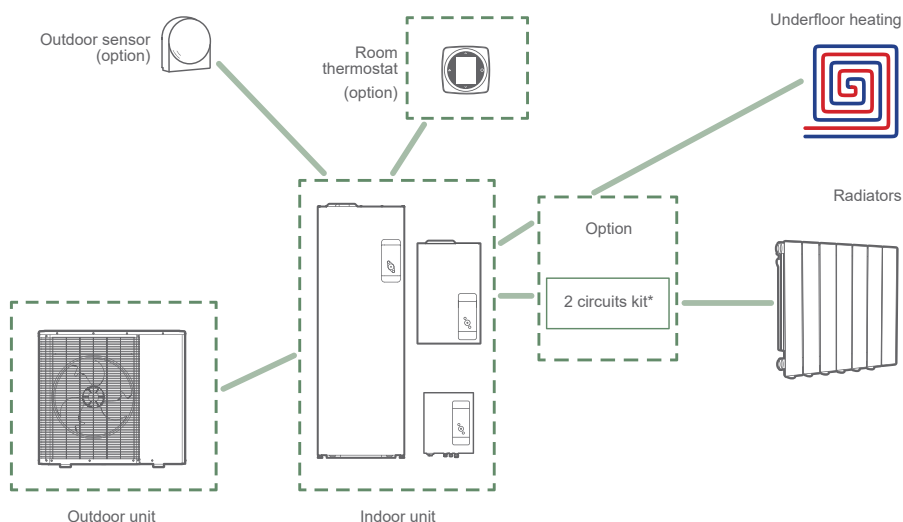
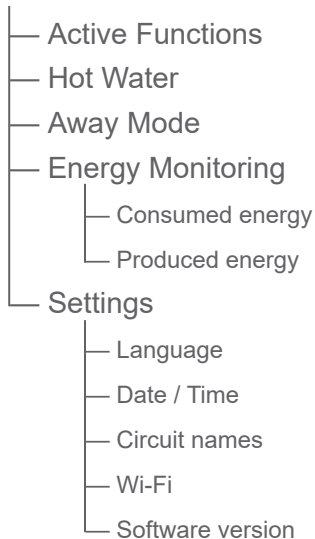


fig. 1 - Overview of complete installation configuration

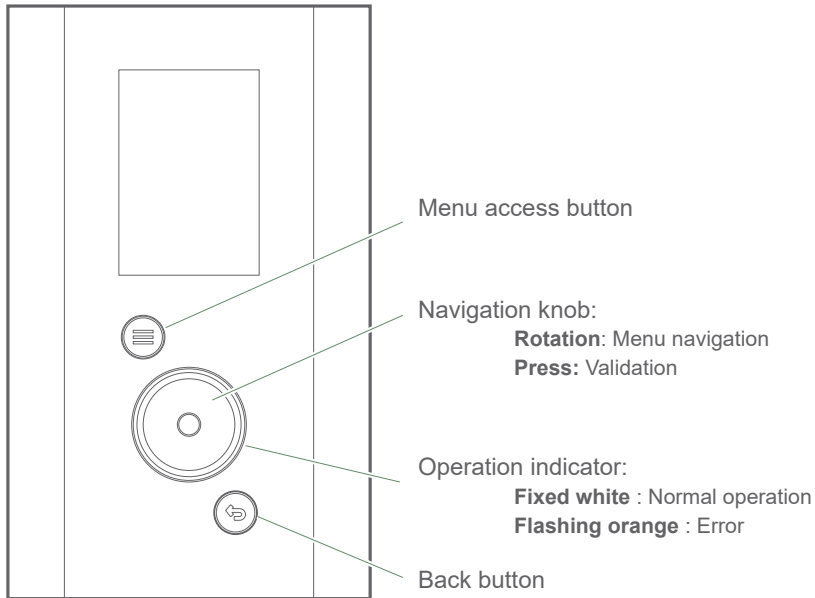
* according configuration / option

► Menu structure

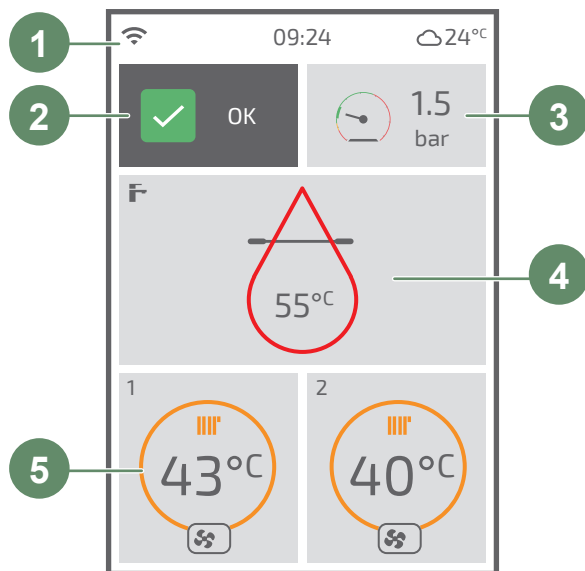
Menu



► User Interface



► Display Description



- 1**  Connectivity
-  Attenuation mode
-  Planned absence
-  Emergency mode
-  Outdoor temperature
-  Installer Menu

- 2**  Normal operation
-  Warning
-  Error

3



Pressure indicator

4

55°C DHW setpoint



Remaining hot water



DHW on



Heating in progress



(Grey) Off / Frost protection

5

43°C Flow temperature setpoint

Operation



(Orange) Heating



(Blue) Cooling



(Grey) Off / Frost protection

Mode :



Heating



Cooling



Absence



Floor drying

Product by :



Heat pump



Electric backup



Heat pump + Electric back-up



Heat pump + Boiler



Boiler

► I set my operating menus

Active Functions

The *Active Services* page tells me which services are running and lets me change their status.

- **Hot Water :**

On / Off

- **Circuit 1 / 2 :**

On / Off / Heating / Cooling

- **Emergency mode :**

Enabled / Inactive

“Emergency mode” : activate only in the event of an error “G6.xx : Outdoor unit error”. The appliance heats only with the electric booster.

Active functions	
Hot Water	<u>Off</u>
Circuit 1	<u>On</u>
Circuit 2	<u>On</u>
Emergency Mode	<u>Inactive</u>

► I adjust my temperature

▼ With room thermostat

See thermostat manual.

▼ Without room thermostat

The heating flow temperature is calculated automatically. The setting range extends from -5°C to +5°C of the calculated temperature.


09:24
  24°C

1 - Circuit 1






+1°C

Validate

► I control my hot water

Hot water

I choose the hot water operating mode and temperature.

- **Heating mode :**

*Comfort: for maximum comfort
by ensuring a large quantity
hot water at all times.*

*Eco: for maximum savings, while ensuring
and heating comfort heating*

- **Temperature :**

45°C ... 65°C

Hot Water	
Heating mode	Comfort
Temperature	55°C

I can launch a boost from the home screen.



The "BOOST" function heats up the hot water tank completely.

09:24 24°C

- Hot Water

BOOST

Heating the balloon to quickly ?

(Interruption not possible)

Confirm

► I go away

Absence

I set the start and end dates and times of my absence.

Absence		
Start		
	<u>31</u>	<u>January</u> <u>03:00</u>
End		
	<u>---</u>	<u>January</u> <u>00:00</u>



When an absence is in progress, the symbol  is displayed on the home screen.

► I consult my consumption

Energy Monitoring

From the menu, I access the display of the estimated energies consumed and produced.

► Setting up my device

Settings

In the settings menu :

I can ajust :

- Language
- Date and time
- Circuits name

I access :

- WiFi network informations
- Software informations

Settings	
Language	
Date / Time	
Circuits name	
Wi-Fi	
Software Version	
Installer menu	

Maintenance

In order to ensure that your appliance operates correctly for many years, the maintenance operations described below are required periodically. They are generally carried out as part of a maintenance contract.

► Regular checks

I check the water pressure in the heating circuit regularly (refer to my installer's recommended pressure - between 1 and 2 bar)

If a filling operation and a pressure increase are required, I check what type of fluid was used initially (when in doubt, contact my installer).

If frequent refills are required it is absolutely essential that you check for any leaks.

 **The frequent addition of water risks scaling the exchanger and affects its performance and lifespan.**

► Checking the outdoor unit

The condenser, located at the back of the appliance, must be kept clean and free of dust and other impurities. I clean it occasionally with a soft non-metallic brush.

I clean the outside of the appliance with a soft, slightly damp cloth.

I check that nothing is blocking the air flow.

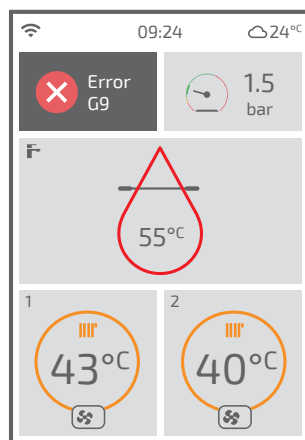


► Error messages

If a fault occurs, the error number appears on the welcome screen.

To obtain the error's designation, I select it using the knob.

In the event of an error, I note down the number and consult my heating engineer.



In case of error "G6.xx : Error Outdoor unit", I activate the "Emergency operation" and I consult my heating technician



End-of-life of the appliance

The appliances must be dismantled and recycled by a specialised service. The appliances must not, under any circumstances, be thrown out with household waste, bulky waste or at a tip.

At the end of its service life, please contact your installer or local representative to proceed with its dismantling and recycling.





* Depending on the national regulations of each member state.



are in conformity with the relevant Union harmonized directives and regulations:

- Low Voltage Directive (LVD) - 2014/35/EU
- Machinery Regulation - (EU) 2023/1230
- ElectroMagnetic Compliance (EMC) Directive - 2014/30/EU
- Commission Regulation / Directives - (EU) 811/2013
- Energy labelling ; Ecodesign - (EU) 2017/1369 - 2009/125/EC
- RoHS Directive - 2011/65/EU - (EU) 2015/863

Wi-Fi® is a trademark or registered trademark of Wi-Fi Alliance.

Commissioning date:

Address of your heating installer or customer service.

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