atlantic

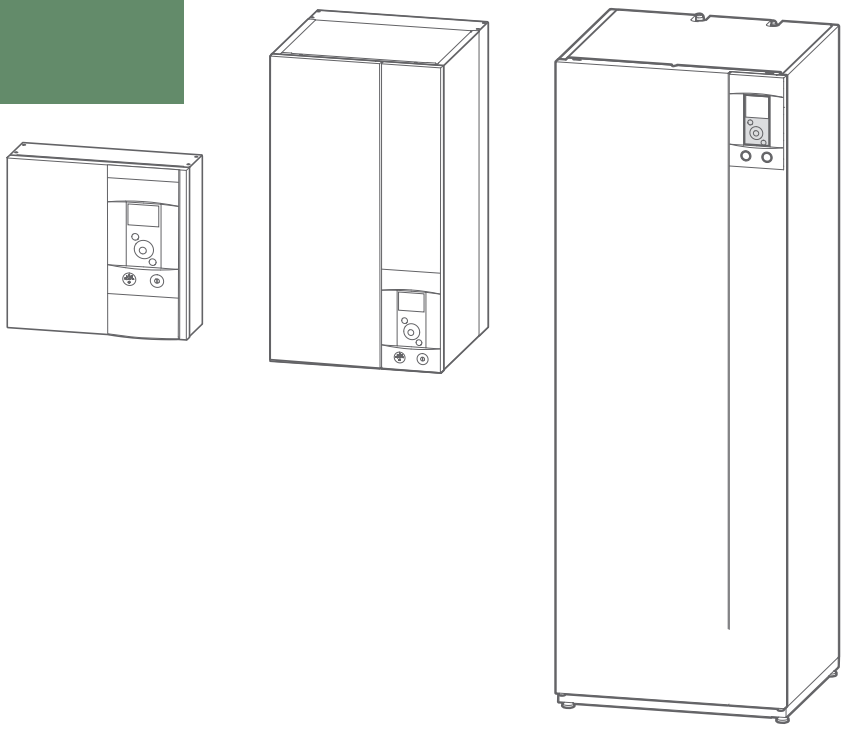
Heat pump & boiler

OPERATING INSTRUCTIONS

EN

IXTRA M

Air/water heat pump single service Monobloc system



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16/10/2023

For users.
To be kept by the user 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.

Your installation

Outdoor unit

The outdoor unit, as its name suggests, is placed outside your dwelling, and extracts energy from the outside air.

This unit was installed by your installer in a location where it is able to operate with best performance.

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

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

In cold weather, this water freezes on contact with the exchanger and must be regularly removed using the defrosting cycles. The defrosting cycle is managed automatically by the control system and can produce steam emissions which are completely normal.

Indoor unit

The indoor unit is located in your 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*.

The indoor unit is fitted with an electrical backup* or boiler connection* which intervenes to provide additional heat during the coldest periods.

Settings

Your installer has carefully adjusted your installation. Do not change the settings without their consent. If in doubt, do not hesitate to contact them.

Your heating system is controlled by adjustment in relation to the outdoor temperature (temperature control).

The outdoor sensor monitors the outdoor temperature.

The installation of a room thermostat (option) makes it possible to improve the operation of the control system (influence of the ambient temperature is taken into account).

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.

Underfloor heating system

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

Similarly if your dwelling has an underfloor heating system, do not reduce it or switch it off if you will be absent for only short periods. The reheating period is always quite long (approx 6 hours).

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 or boiler (boiler connection kit)* must be left on.

The electrical backup allows the correct operation of the anti-legionella cycles.

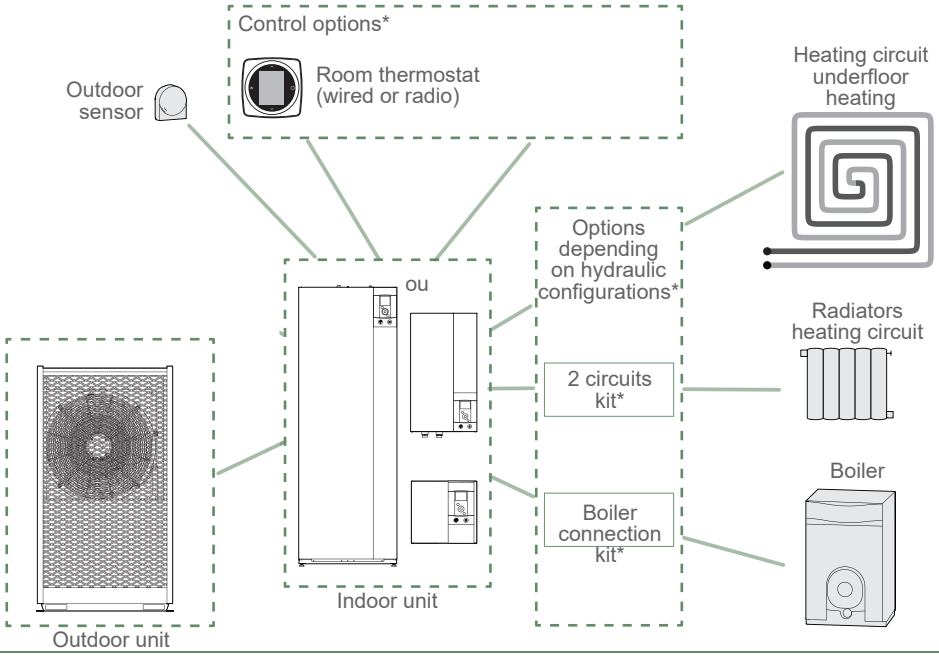
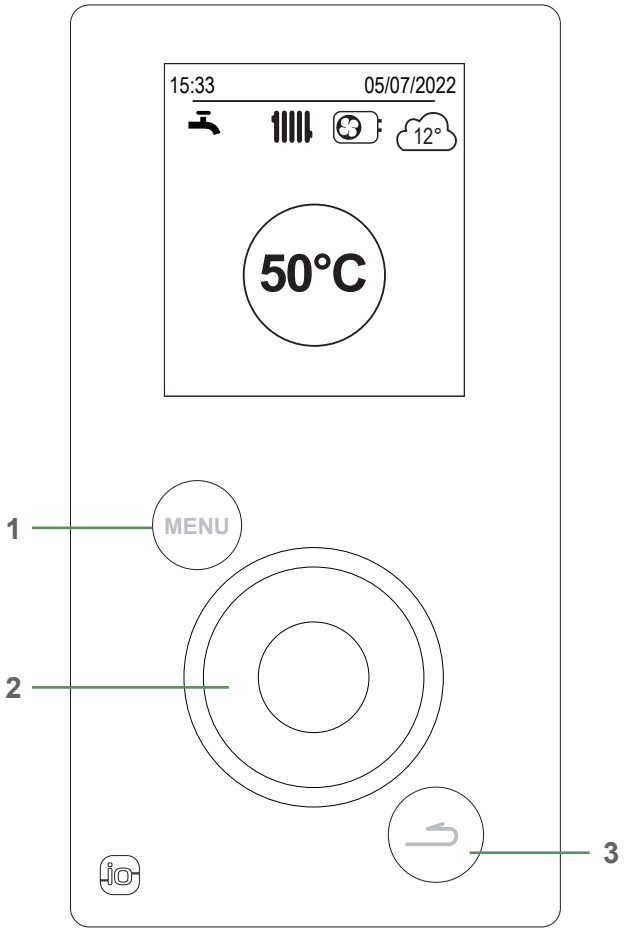


fig. 1 - Overview of complete installation configuration

* depending on configuration / option

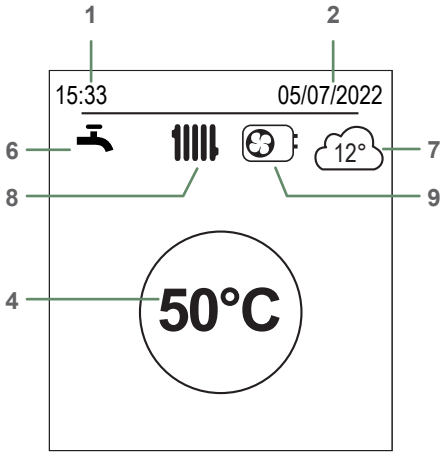
User interface



1 heating circuit version
+ domestic hot water (DHW)*

Nr	Description
1	Menu button
2	Navigation knob (rotate knob), accept (press knob)
3	Back button

Display Description



Nr	Symbols	Definitions
1	**15:23**	Time
2	**05/07/2022**	Date
4	**50°C**	Flow temperature
5		**Information (zone names, emergency mode, test mode, error display, etc.)**
6		**Domestic Hot Water (DHW)* ...**
		Activated
	BOOST	Boosting in progress
	OFF	Deactivated
7	12°	Temperature measured by the outside sensor

Nr	Symbols	Definitions
8		**Operation ...**
		Heating
		Cooling*
10		**Production via ...**
		Heat Pump
		Electrical backup
		HP + electrical backup
		HP + Fuel/Gas*
		Fuel/Gas*

* depending on configuration / option

Navigating the Menus

To ...	Action :
Access the menu	Press MENU.
Choose a menu item	Turn the knob to highlight your choice. Press the knob to accept.
Return to the previous menu	Press ⮌.
Return to the main menu	Press MENU twice.
Return to the welcome screen	Press MENU or ⮌ on the main menu.

Note: *Some settings (or menus) might not be displayed. They are dependent on the installation's configuration (and installed options).*

Modifying Settings

- Turn the knob to highlight the setting you wish to change.
- Press the knob to accept the change.
- Turn the knob to adjust the setting.
- Press the knob to accept your choice.

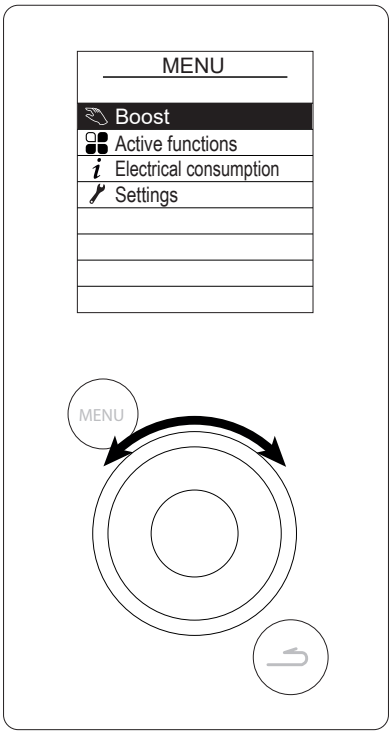


fig. 2 - Navigation

▶ Menu Structure

Boost

page 10

Active functions

page 10

Electrical consumption

page 10

- Heating
  - Daily cons.
  - Monthly cons.
  - Annual cons.
- Cooling
- Hot water
- Total

Settings

page 11

- Date and time
- Language
- Software versions

Boost HW (Forced domestic hot water operation)

The domestic hot water (DHW) boost function heats the tank up to the Comfort temperature.

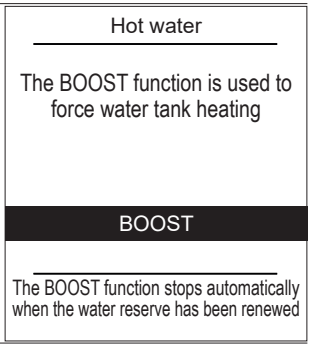
Go to the menu:

"Manual mode" > "Hot water".

Press the knob to activate the "BOOST" function..

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.



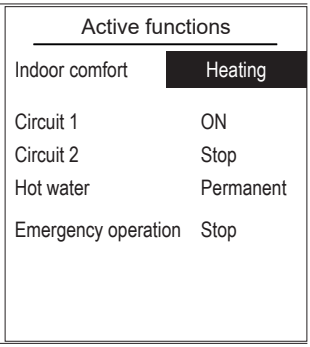
Active functions

The "Active Functions" page tells you which services are operating and allows you to change their status.

- *"Indoor comfort": Heating / Cooling / Stop.*
- *"Circuit 1" / "Circuit 2" / " Emergency operation": ON / Stop.*
- *"Hot water" : Permanent / Stop.*

If "Indoor Comfort" is set to "Stop", Circuit 1 and Circuit 2 cannot be modified.

"Emergency operation" : Activate only in case of error "370 : Thermodynamic Generator". The appliance heats only with the electrical backup.



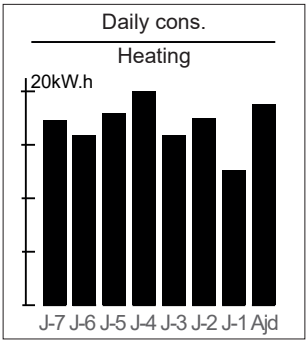
Electrical consumption

Consumption can be displayed per usage:

- Heating (Circuit 1 and Circuit 2).
- Cooling (Circuit 1 and Circuit 2).
- Domestic Hot Water (DHW).
- Total (Heating + Cooling + Hot Water).

This information is available for:

- the last 8 days: daily consumption (Tdy = Today, D-1 = yesterday, etc.).
- the last 12 months: monthly consumption (Initial letter of month. e.g. J = January, etc.).
- the last 10 years: annual consumption (last 2 digits. e.g. 16 = 2016)..



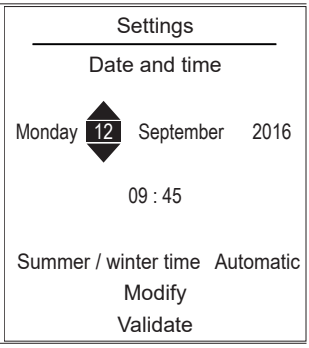
Example for daily consumption of the heating system.

Some settings (or menus) might not be displayed. They are dependent on the installation's configuration (and installed options).

Settings

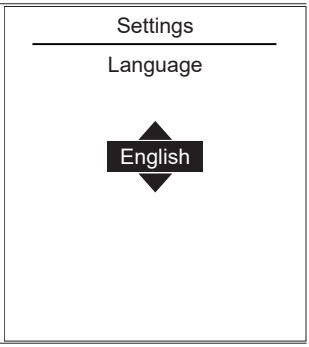
Date and time

To set the appliance's date and time, access the menu:
"Settings" > "Date and Time".



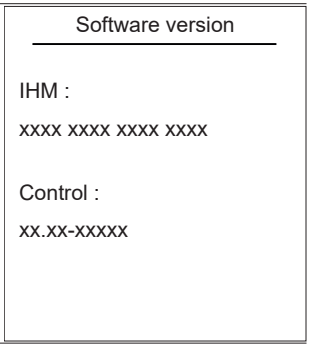
Langue

To change the language, access the menu:
"Settings" > "Language".



Software version

Show the display (IHM) and controller software versions.



Some settings (or menus) might not be displayed. They are dependent on the installation's configuration (and installed options).

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

- Check the water pressure in the heating circuit regularly (refer to the installer's recommended pressure - between 1 and 2 bar)
- If a filling operation and a pressure increase are required, check what type of fluid was used initially (when in doubt, contact your 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

Remove any dust from the exchanger, if necessary, while making sure not to damage the blades.

Check that there is nothing blocking the air flow.

Domestic hot water tank*

Maintenance on the tank must be carried out regularly (frequency may vary according to water hardness).

Consult your heating engineer.

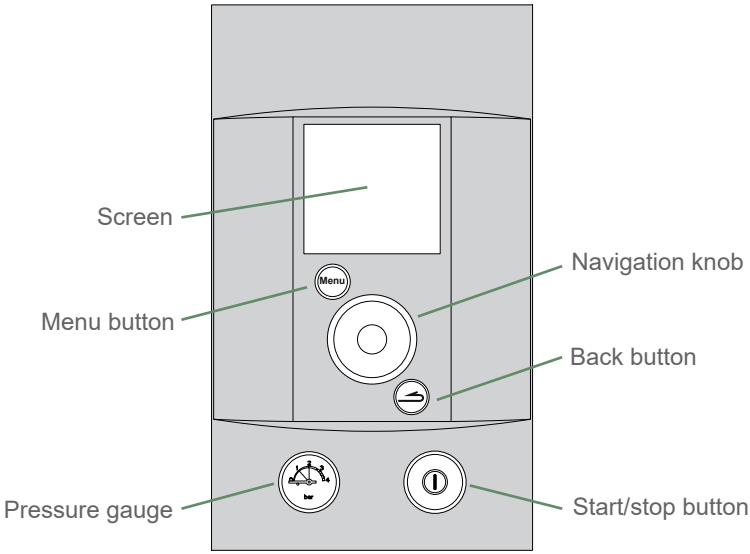
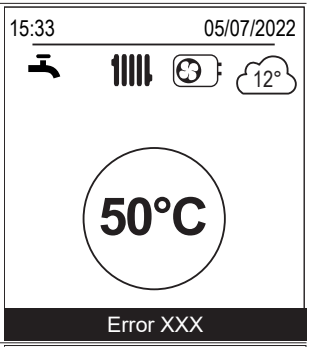


fig. 3 - Control panel

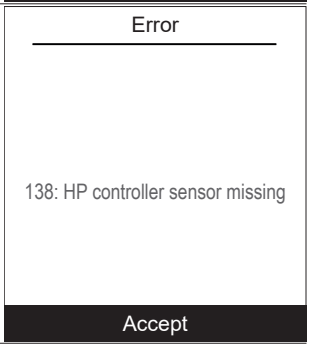
Error messages

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



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

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



In case of error "**6 : Thermodynamic Generator**", activate the "**Emergency operation**" (see *page 10*) and consult your 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.

This unit is identified by this symbol. It means that all electrical and electronic products must not be included in household waste.

A specific recycling system for this type of product has been set up in European Union countries (*), Norway, Iceland and Liechtenstein.

Do not try to dismantle this product yourself. It may have damaging effects on your health or on the environment.

Reprocessing of the refrigerant, lubricant and other parts may be performed by a qualified installer in compliance with the local and national legislation in force.

This unit must be recycled by a specialised service and in no case may it be thrown away with household waste, rubble or in a landfill.

Please contact your installer or local representative for more .

* Depending on the national regulations of each member state.

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Date of installation :

Contact of your heating technician or your after-sales service.