Installation manual



Monobloc MPCJ

Vintage

La FRENCH FAB

LAURÉAT
Réseau Entreprendre
SAVOIE

"Friax Industrie", in a constant endeavour to improve its products reserves the right to change any information contained in this leaflet without prior warning.

EN-NT-MPCJ-1025
Starting from serial number 25FR-TC-28248

Warnings

This product contains hermetically sealed flammable R290 gas



Fire risk / flammable materials

Read the manual carrefully before using the device and keep it for futur reference.



This symbol indicates that the installation manual should be read carrefully.



This symbol indicates that a technician must handle this equipment in referring to the installation manual.



This symbol indicates that information are available, such as the manual operating instructions or installation manual.

- Improper installation or use can result in personal injury, property damage, and voiding of the manufacturer's warranty. Failure to comply with safety instructions and local standards during the installation releases the manufacturer from all liability.

- Make sure to install the device in a place protected from the elements and frost-free.

- R290 refrigerant gas complies with European environmental directives.

- This appliance contains R290 refrigerant gas - make sure it is installed in a sufficiently ventilated room (see refrigerant charge in the technical data sheet).

- The equipment should be installed in a room without a permanent source of fire, such as open flame, a combustion device, an electric heater, etc..

- The possible stagnation of refrigerant gas leaks in unventilated rooms can create a risk of fire or explosion if the refrigerant comes into contact with an ignition source.

- Be aware that some refrigerant gases can be odorless.

- Any intervention on a refrigeration circuit must be carried out by a professionnal authorized by an accredited body certifying the competence to handle refrigerant fluids.

- The appliance must be free of obstructionsat all times to ensure proper operation and reduce safety risks.

- Do not puncture any component of the refrigerant circuit.

- Use care when handling the equipment to avoid malfunction.

- The device must be installed in accordance with local wiring regulations.

- Make sure that the characteristics of the device are compatible with those of electrical installation.

- Make sure the AC outlet is grounded.

- Do not use the device if it is damaged.

- **Do not connect the power supply until the entire installation is complete.**

- Always switch off the appliance and unplug it from the mains fro cleaning and maintenance.

- Do not put your hands or objects in the air inlets and outlets.

- Do not try to repair the device yourself.

- Any use and / or modification not approved by the manufacturer may be dangerous for your safety and your health.

- This appliance must not be used by children.

- The user should understand and be aware of the potential dangers associated with the use of the device.

- Use only the means and / or tools recommended by the manufacturer for defrosting or cleaning.

Your Friax air conditioner

Thank you for trusting Friax Industrie for the conservation of your wines. Our air conditioners are designed above all for the comfort of wine, but do not ignore your comfort. Once installed in the cellar, you will forget it.. It is much later, while tasting a good bottle, that you will appreciate the perfect mastery of the aging conditions that it took to allow your wine to fully express itself after.. all this time !

Please read this user manual carefully. It will allow you to understand and master the operations to install and configure your monobloc MPCJ. Sudden changes in temperature affect the wine, causing random aging and irreversible degradation of the aromas. Cellars that are too humid degrade the labels, partially reducing the value of the precious bottles. Cellars overdrying deteriorate the corks, allowing air to enter the bottles.

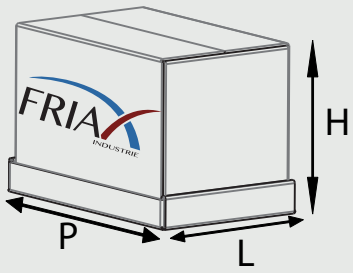
Air conditioning to control the atmosphere in your cellar is an essential element in preserving the invesment that wine represents. Your monobloc Friax guarantees the longevity of the bottles over time.

Packaging

We invite you to examine the package upon receipt for any damages to the box or missing items. Please note your remarks concerning the condition of the package on the carrier's delivery slip :
They will be used in the event of damage observed during unpacking.

Your monobloc Friax package contains the following items :

- 1x Monobloc MPCJ and its bodywork.
- 1x Glossy Black Galaxy Front in a bubble wrap.
- 1x RSF remote control box (remote control + holder + batteries x2)
- 2x Lifting handles mounted on monobloc
- 1x Wooden frame to be assembled for fixing in the partition.
- 1x Bag containing an evacuation pipe, an electrical plug (2m - 230V single-phase), an installation manual and a bag of screws for fixing the device, mounting the wooden frame and the drain hose locking clips.







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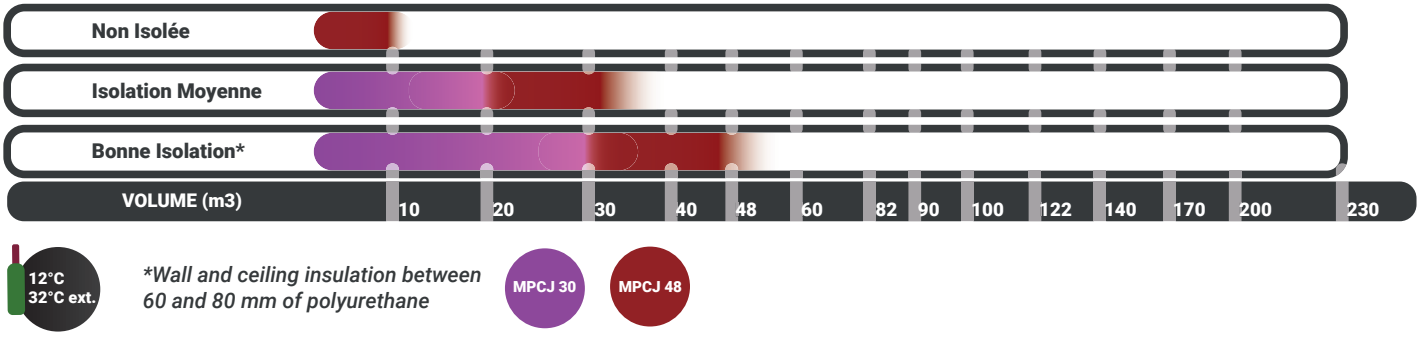
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Power informations

In order to select the right power for the Friax wine cellar air conditionner, it is essential to take into account the heat balance of the room to be air conditionned to avoid the undersizing of the device and the air conditioning of a cellar which consume energy.



More details : www.friax.fr/selection/

IMPORTANT : For optimal operation and greater safety, ensure that the hot air produced by the device is exhausted outside or in a sufficiently ventilated room (> 400 m³/h).

Technical data

	MPCJ 30	MPCJ 48
Indicative volume to be conditioned	30m3*	48m3*
Cooling capacity	780 W**	1100 W**
Heating capacity	800 W	800 W
Power supply	230 V-50Hz	230 V-50Hz
Intensity cooling mode	4 A	4.7 A
Intensity heating mode	3,9 A	3,9 A
Power absorbed / Intensity compressor	373 W / 2,48 A	521 W / 3,15 A
Air flow from cellar side	452m3/h	442m3/h
Air flow from the condensation unit	405 m3/h	510m3/h
Power cable lenght	2m	2m
Fluid	R290	R290
Fluid charge	120 gr	150 gr
Outdoor temperature of use	32°C	32°C
Adjustement of the cellar temperature	8 - 18 °C	8 - 18 °C
Weight	32 kg	36,5 kg

* Insulation of the ceiling and the walls between 60 and 80 mm of polyurethane for a device install in the wall of the wine cellar

**Operating temperature : 12°C dans la cave / 32°C extérieur.

Equipments

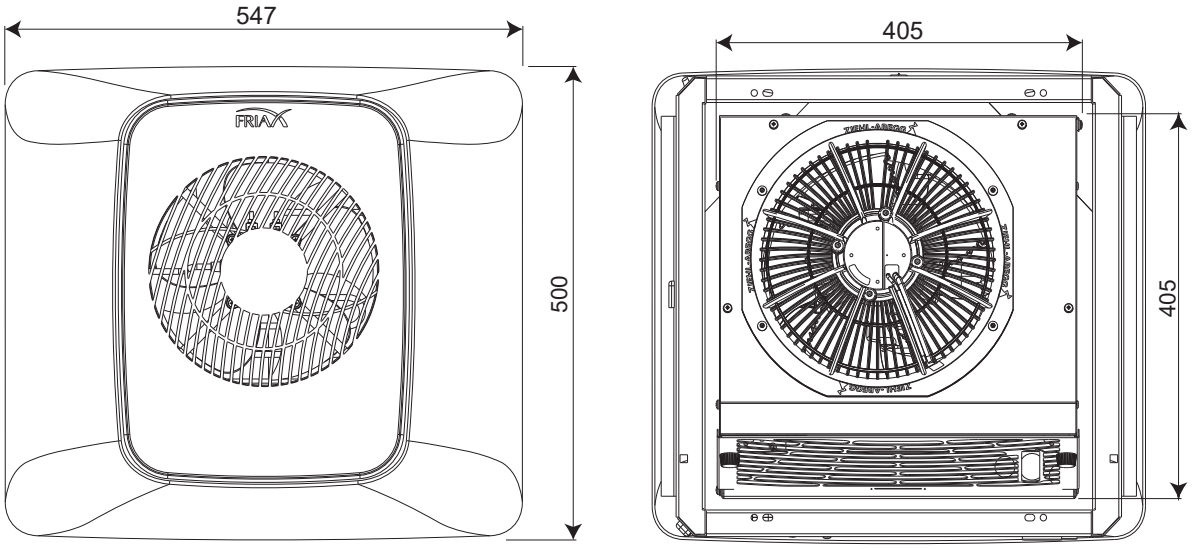
	MPCJ30 Vintage	MPCJ48 Vintage
HGR %	S	S
CWR	S	S
KCH	S	S
KPC	S	S
RSF	S	S
RC	S	S
KLPWSECU-XJ	A	A
KLPR20	A	A
KPR-XO	A	A
KLED-XJ	A	A

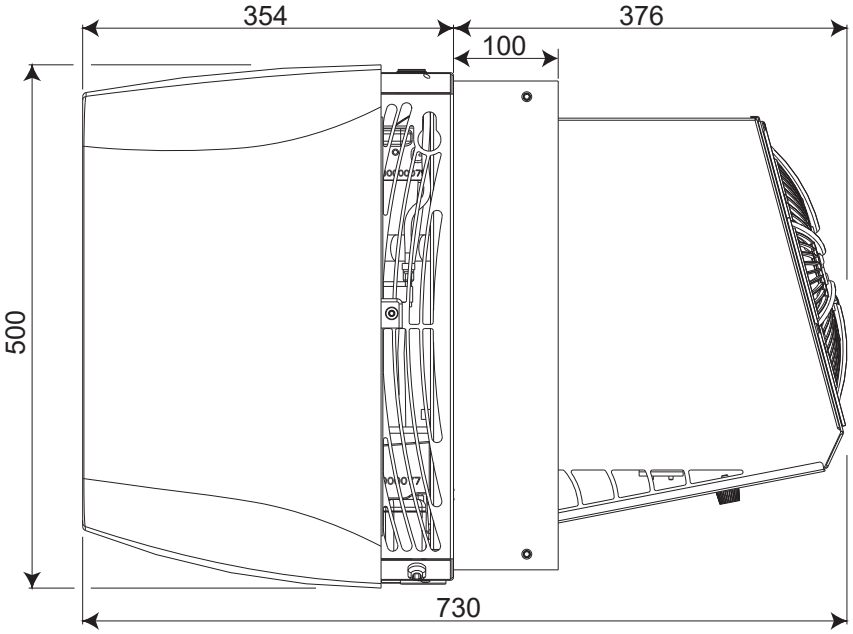
S: Standard / A: Accessories

HGR%: Humidifier
CWR: Stabilization of humidity
KCH: Heating coil
KPC: Condensing pressure regulation
RSF: Wireless controller
RC: Compressor heating belt with optimization and energy saving program

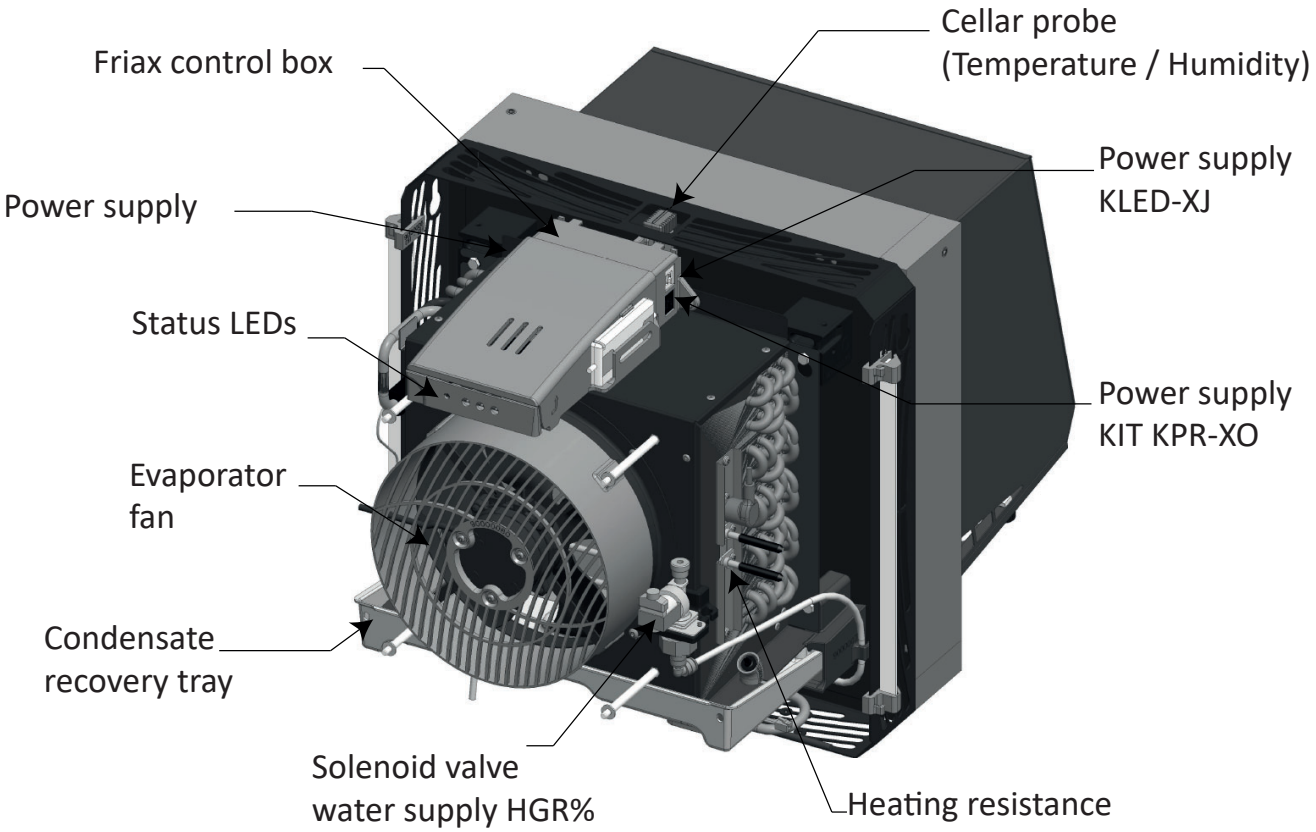
KLPWSECU-XJ: Secure connection kit for vintage Chill'Loop humidifier
KLPR20 : 20m extension kit for humidifier
KPR-XO : Pump lift kit
KLED-XJ : Led backlight kit

Dimensions

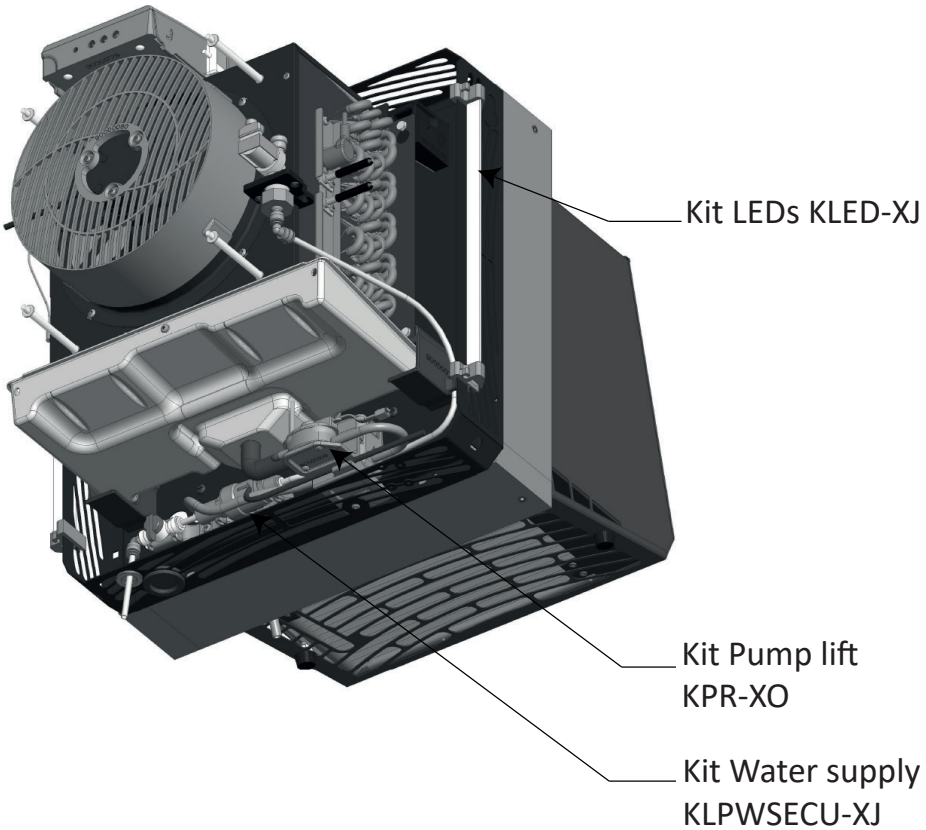




Device informations



.Accessories



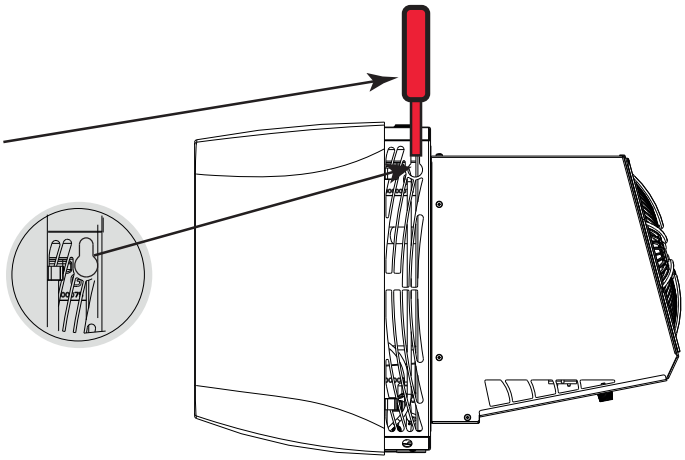
Preparation of the cellar

.01 Unpacking

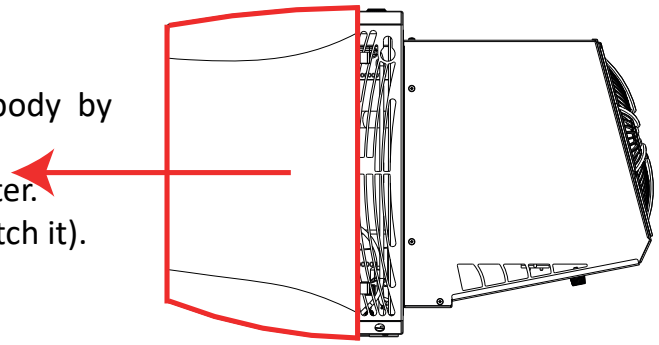
Use the handles provided in the package to lift the device.

Slide them into the keyholes located in the center.

It is advisable to remove the device from its packaging accompanied with someome.



Remove the white body by removing the wing screws to install it later. (Be careful not to sratch it).



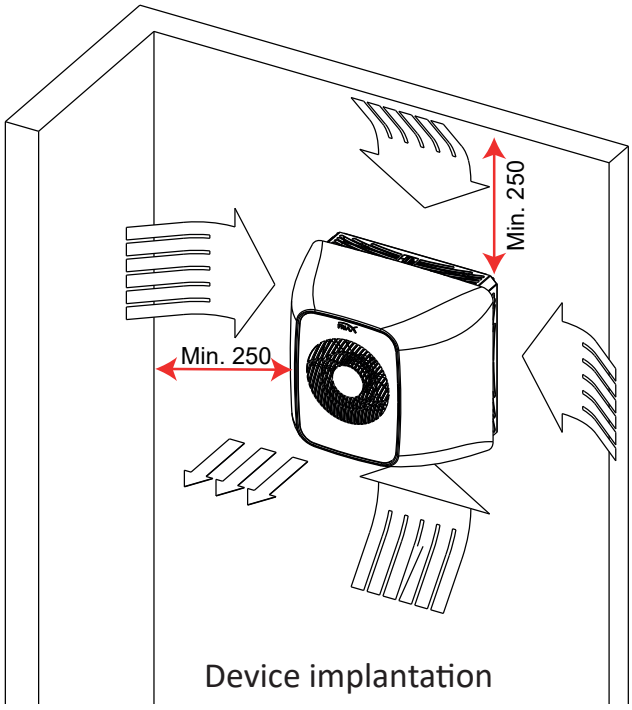
.02 Make sure you have sufficient clearances

Your Monobloc MPCJ uses its periphery along the wall to extract air

Leave a **minimum of 25 cm** of space around the device so as not to obstruct the air flow and obtain an optimal flow rate.

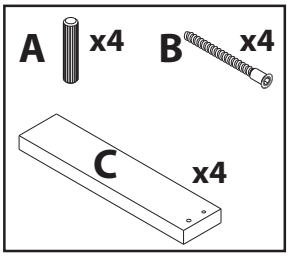
For a perfect diffusion, it is advisable to install the air conditioner in height (any other natural or mechanical ventilation in the cellar is to be avoided)

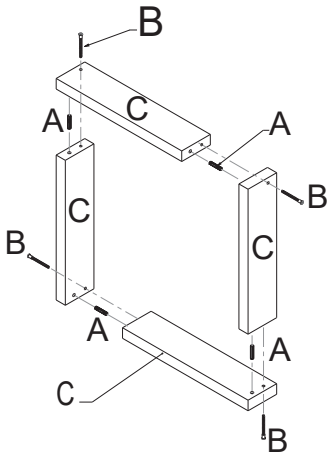
Never place any obstacles to the blowing and suction of the fronts of the appliance.



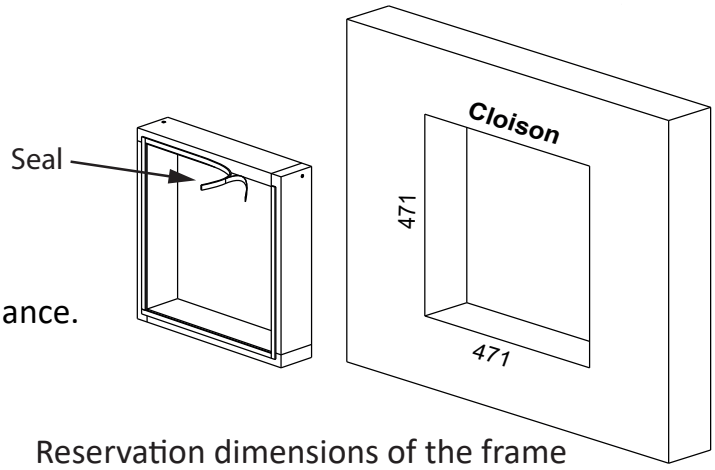
Device implantation

.03 Assemble and install the frame





Your MPCJ Monobloc is supplied with a wooden installation frame to be mounted to position the device through the wall.
- Fit the installation frame using the 4 screws and the 4 pins.
-Mount the seal provided on the frame of installation to achieve a seal with the device.



Reservation dimensions of the frame

- Check the solidity of the wall on which the installation frame will be fixed to install the appliance.

- Respect the reservation dimensions.

Positioning of the frame

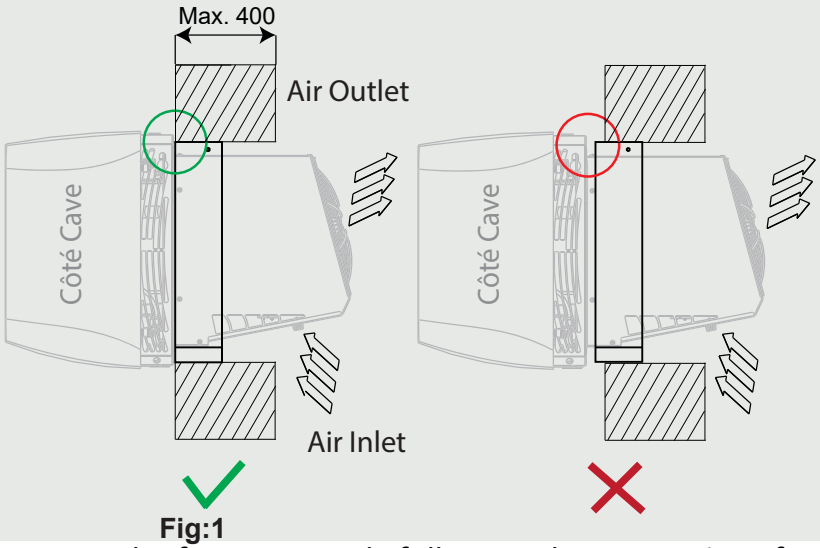
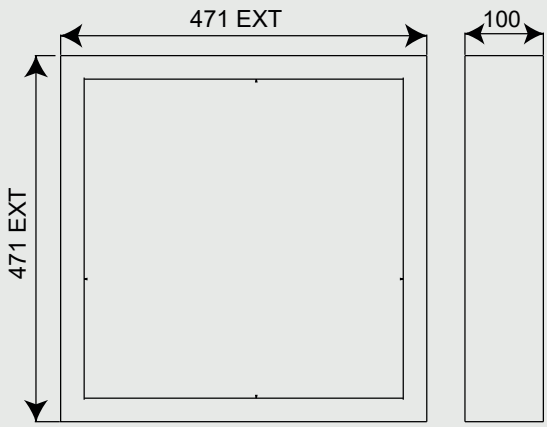


Fig:1

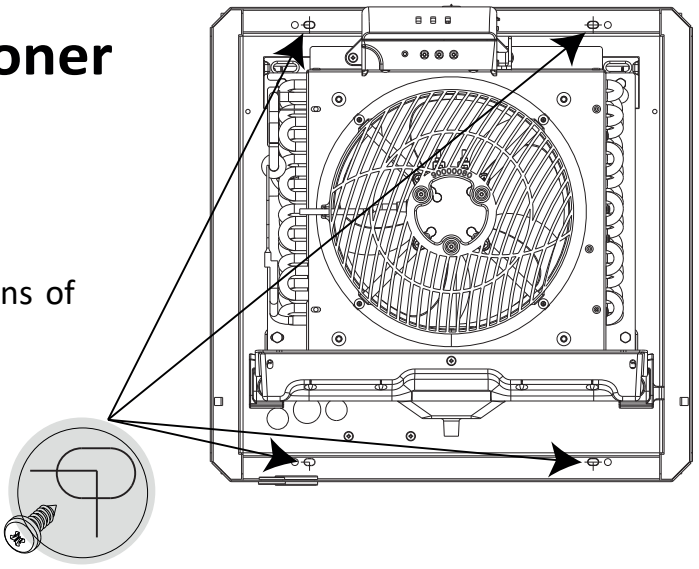
Dimensions of the frame



Secure the frame securely following the instructions for safe installation:
- Use the screws best suited to the types of materials that make up your wall (not supplied).

Important: the installation frame must be positioned flush with the wall on the cellar side. (Fig:1)
- For optimal efficiency, make sure to create a seal between the wall and the installation frame.
-Be sure to leave the air passage between the coil inlet and outlet free for cooling the condenser indicated by the arrows (Fig:1)

.01 Install the air conditioner



Installation is done from inside the cellar.

- Slide the device into the installation frame.

-Pre-drill the installation frame at the locations of the fixing holes with a Ø4 drill bit.

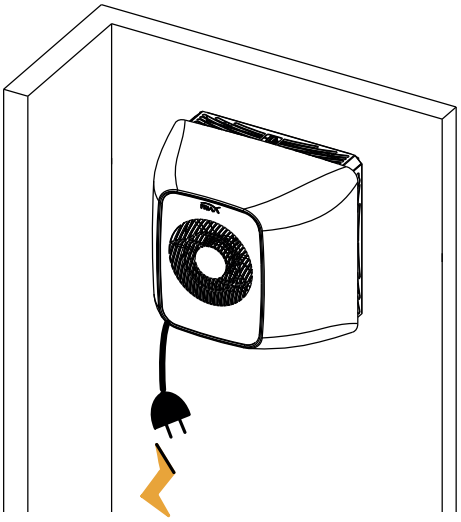
- Secure the device to the installation frame from inside the cellar using the 4 wood screws provided.

.02 Electrical and hydraulic connections.

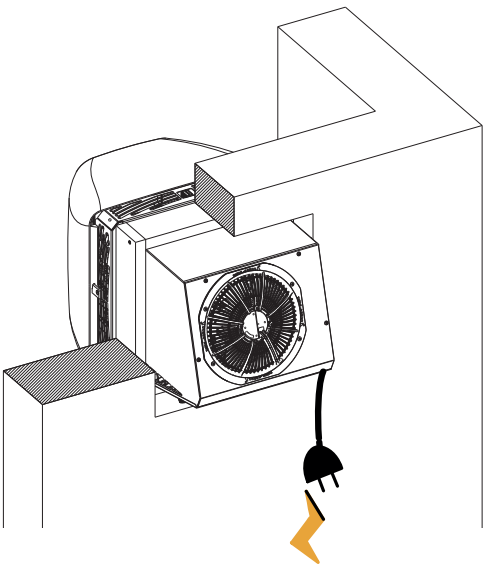
The connections can be made in 2 ways:
A-Connection from inside the cellar, exposed or in a trunking (Fig: 2 page 11)
B-Connection from outside the cellar, for a cleaner cellar interior (Fig: 3 page 11)

You will need the following:
-A 230V electrical outlet connected to a 16A circuit breaker
-A drain pipe Ø 15 inside for the evacuation of the condensates from the inside of the cellar, (the use of the KPR-XO lifting pump kit is necessary to evacuate the condensates outside the cellar)
-A water inlet for Vintage models (2.8 bars maximum)

INSIDE CELLAR :



OUTSIDE CELLAR



A. Connections from inside the cellar.

- Use the passages at the bottom left for the power supply, the condensate drain and the water inlet of the HGR% (Vintage) humidifier.

- The KPLWSECU-XJ secure water connection kit is positioned with its support directly in the device. (See page 12)

Pression d'eau froide maxi
10 bar à 21 °C (Vintage)

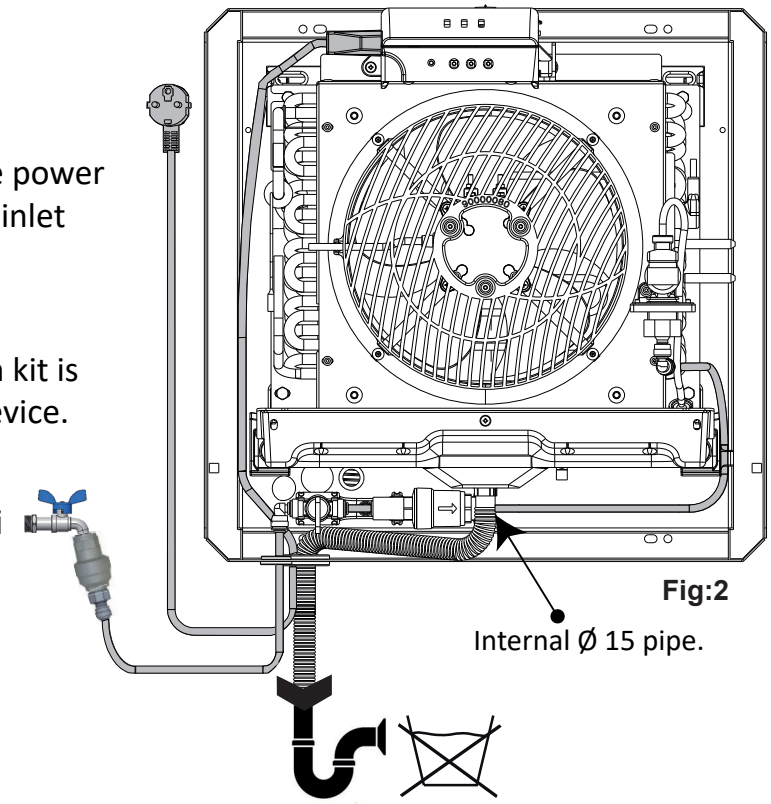


Fig:2

B. Connections from outside the cellar.

- Pierce the insulation blocking the reservations with a screwdriver.
- After having made your connections, reseal to ensure thermal tightness.

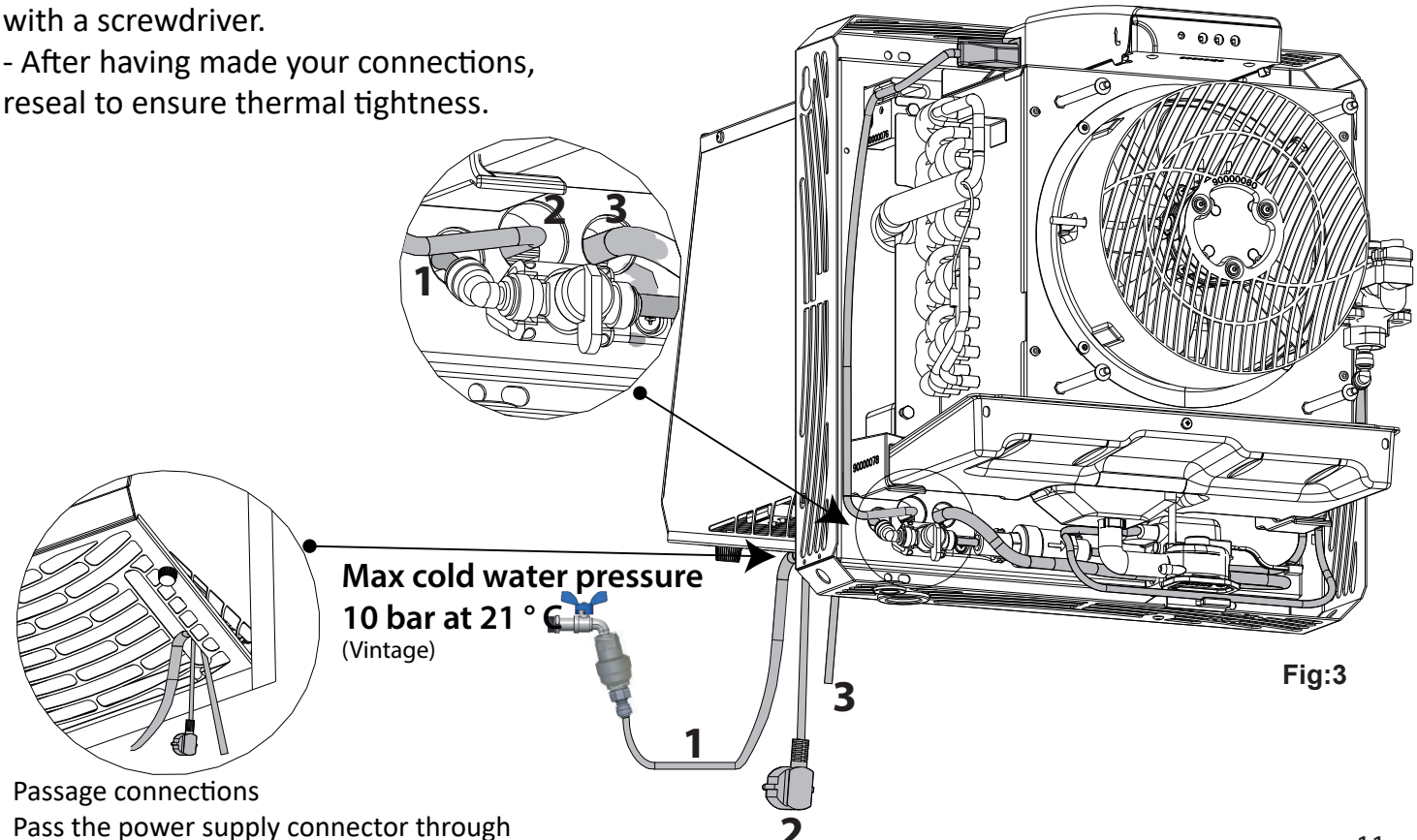


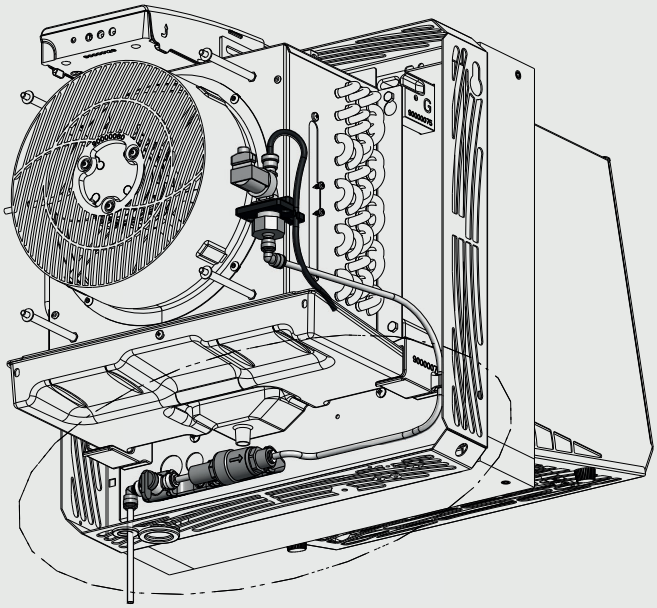
Fig:3

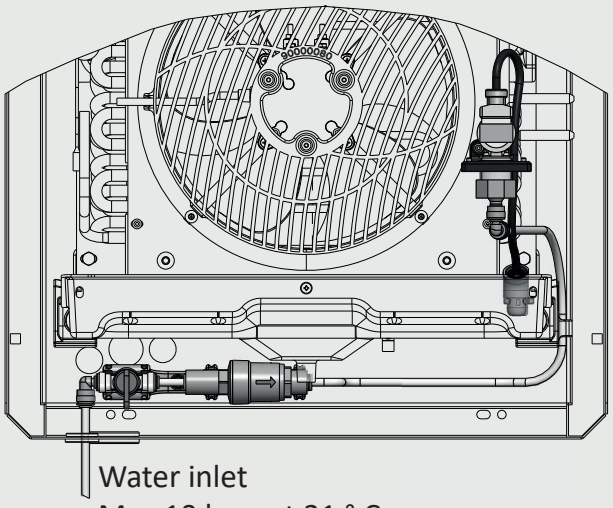
Passage connections
Pass the power supply connector through the outside and reassemble it up to the card.

.05 Connect Accessories *(Sold separately)*

Secure connection kit for humidifier: **KLPWSECU-XJ**

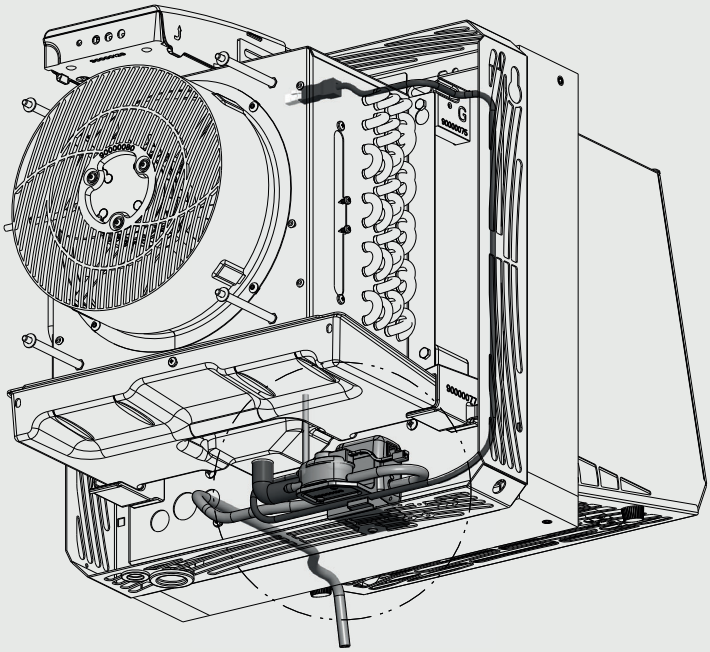
For VINTAGE units, it is recommended to install this kit to protect against leaks, excessive water flow and pressure on the humidification system.

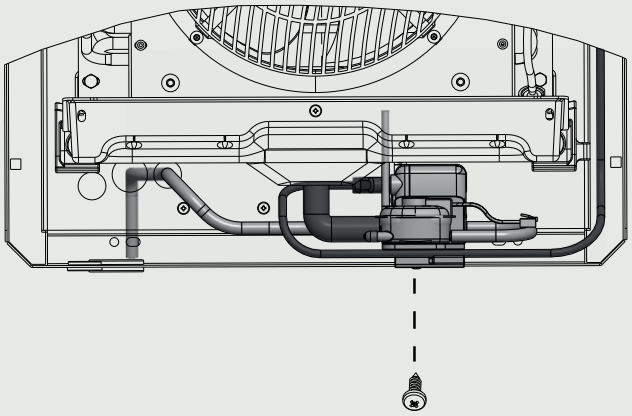




Water inlet
Max 10 bars at 21 ° C

Lift pump kit: **KPR-XO**

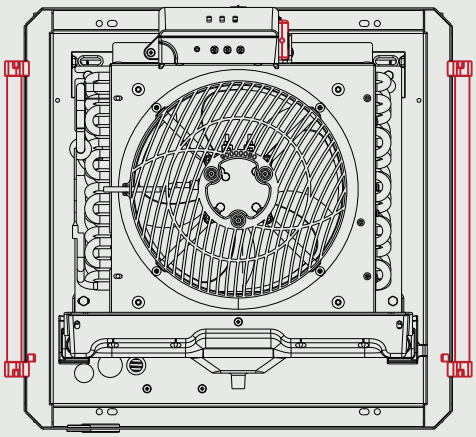


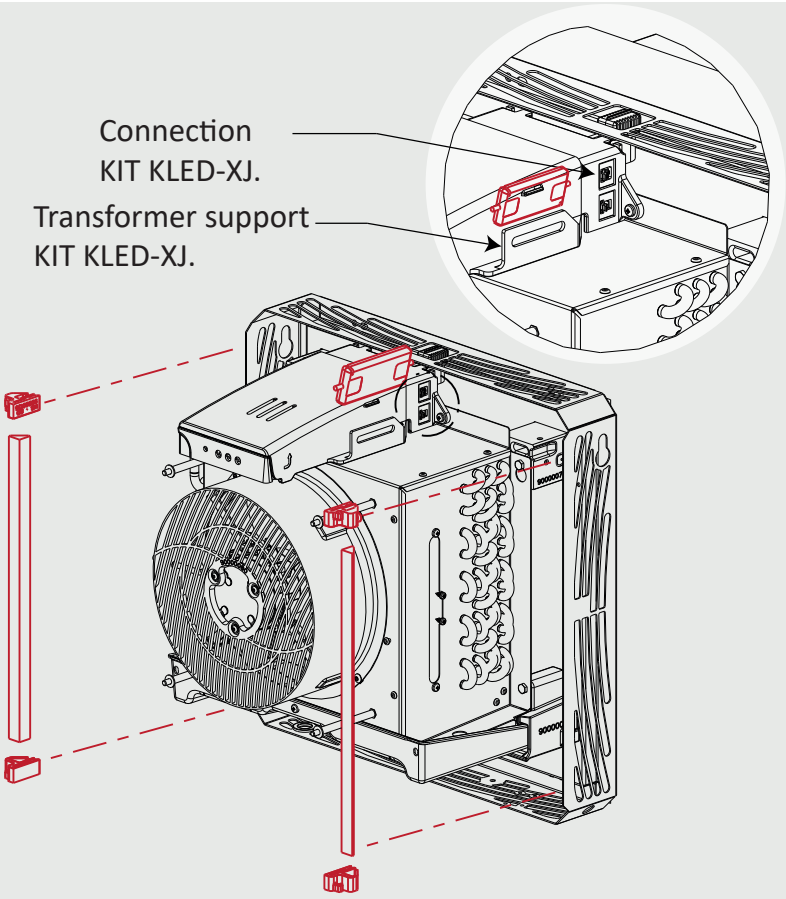


When the device is on and it is stopped with the remote control: the lift pump is still active.

For a maximum of details refer to the instructions of the kits.

LED backlight kit: **KLED-XJ**





.04 Close the device

To avoid any risk of injury or material damage, replace the white bodywork on the cellar side and the black bodywork on the outside of the cellar **before powering on.**

-Remove the protective film from the body.

- Position the bodywork and tighten the wing nuts by hand.

- Put the colored magnetic front in place (Friax logo facing up).

Congratulations your Monobloc is ready to start.



Maintenance

The following maintenance operations, repeated **every 6 months**, will allow you to maintain the optimal performance of your Monobloc MPCJ and thus maintain the ideal environment for the conservation and aging of your bottles.

ATTENTION

Before any maintenance operations, stop the appliance with the remote control and then cut off the power supply at the main circuit breaker to avoid any risk of electrocution.



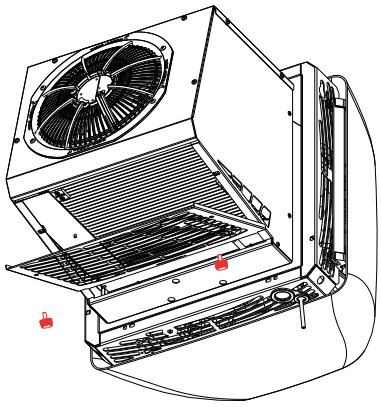
Any intervention on a refrigeration circuit must be carried out by a professional authorized by an accredited professionnal certifying the competence to handle refrigerant fluids.

Condenser maintenance (outside cellar)

- Disassemble the lower faceplate by removing the screws by hand.

- Using a vacuum cleaner: vacuum the dust from the battery (be careful not to damage the fins).

- Before closing, check that there are no foreign objects (leaves, etc.) that could interfere with the proper functioning of the appliance.



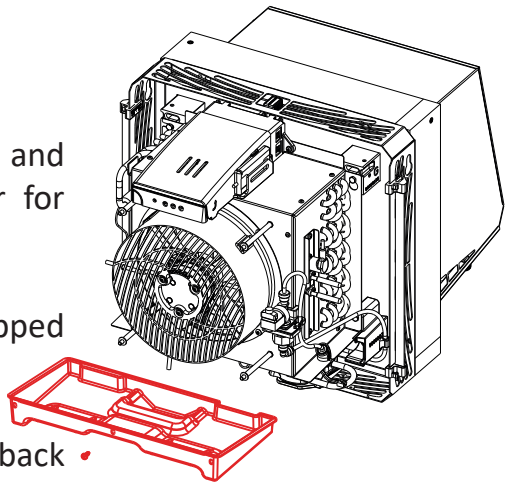
Maintenance of the evaporator (inside cellar)

- Remove the magnetic front by exerting light pressure with your fingers in the peripheral interstices *(do not use tools to avoid scratches).*

- Disassemble the bodywork by removing the wing nuts.

- Remove the condensate tray for easy cleaning with water and disinfection using KNET075 (bactericidal fungicidal cleaner for cellar air conditioners).

- Check the condition of the lift pump if the device is equipped with it.



- Check that the drain is not blocked before putting the tank back in place.

- Close the device and put it back into operation.

MONOBLOC MPCJ

SERIAL NUMBER : _____

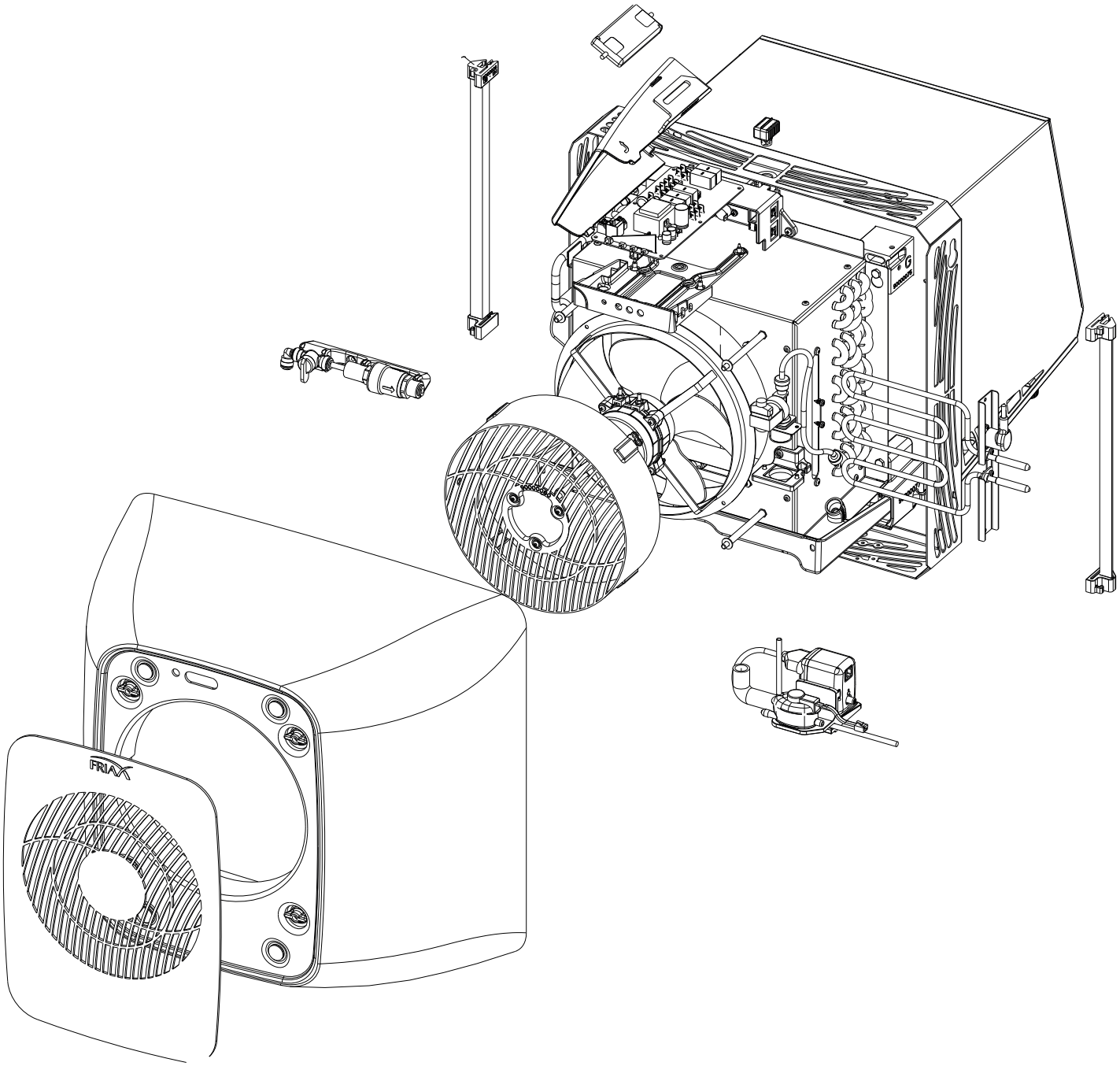
For a better follow-up of your installation, please record here all the interventions that take place on your machine.

DATE	OBJECT	NOTES

In order to simplify maintenance and to be alerted quickly in the event of an alarm, we recommend the use of a **WineSupervisor** to keep the device's operating history.

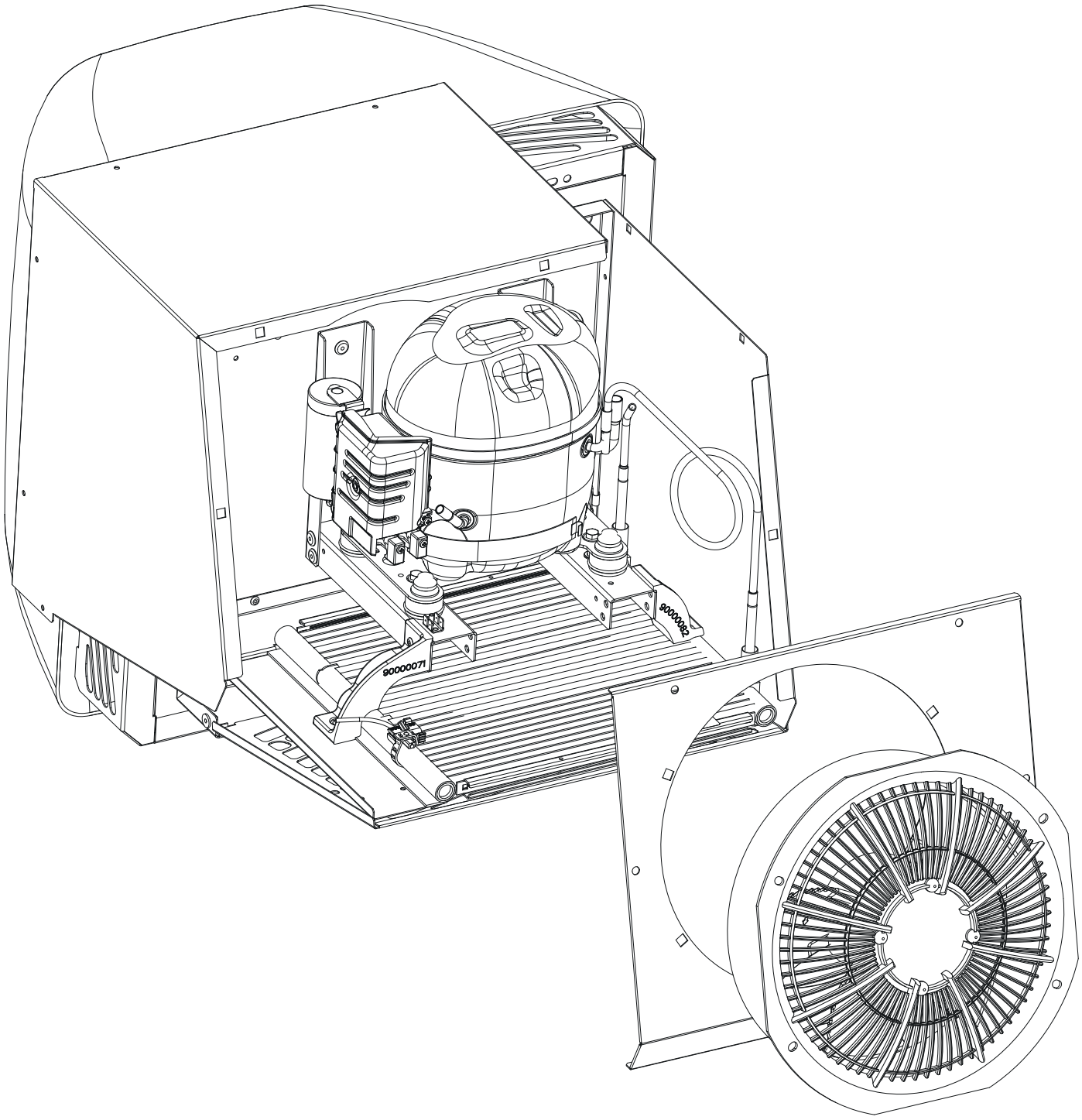
Exploded view

Evaporator side view

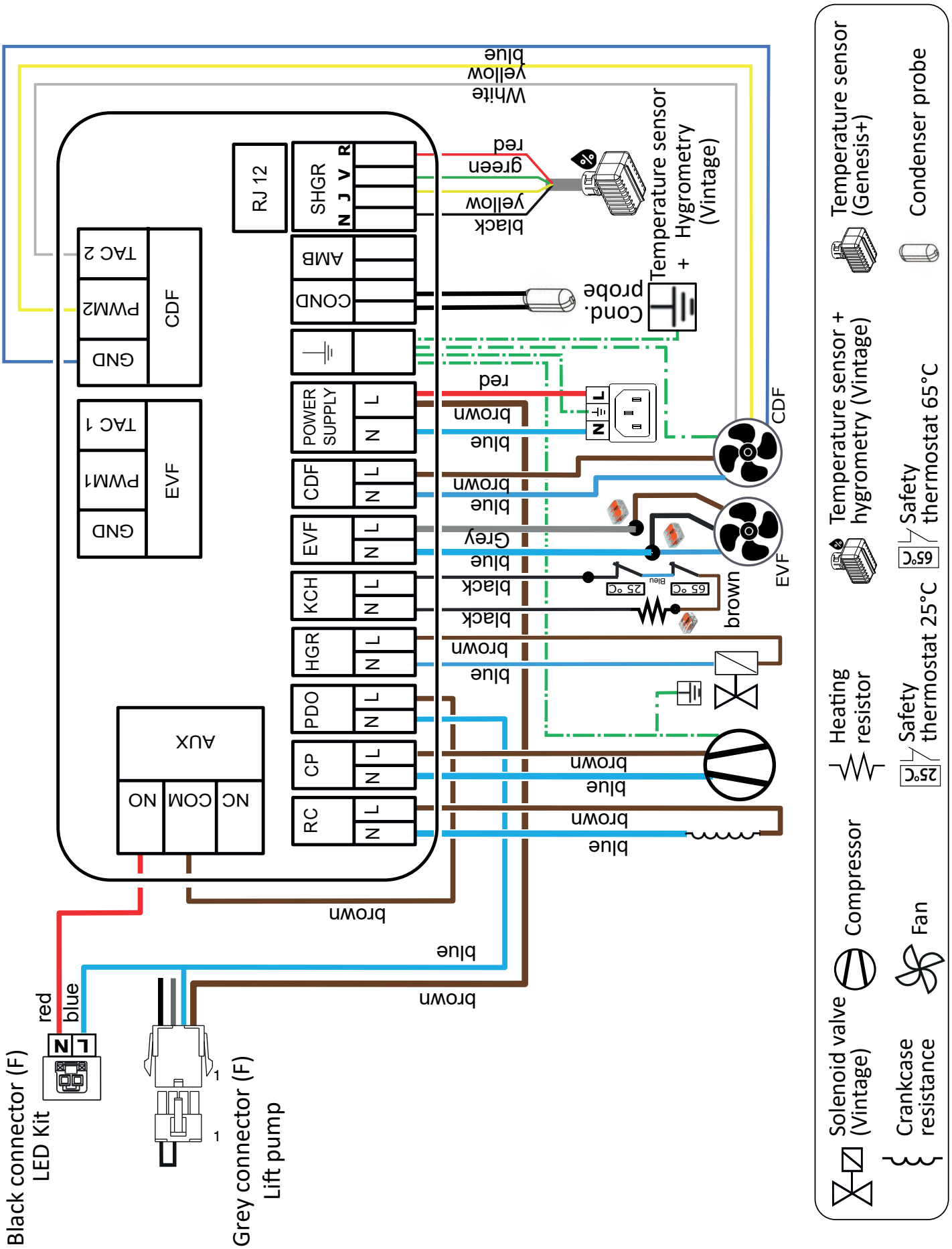


Exploded view

Condenser side view



Electrical diagram



NOTES

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