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The manual contains symbols to attract the reader's attention and highlight particularly important aspects. The table below illustrates the meaning of the various symbols used.

	Read the manual
	Danger: Live electrical parts
	Attention / hazard
	Information
	Eye check
	Danger: Slipping
	Danger: Tripping
	Earthing
	High temperature hot surfaces
	Danger: Flammable material
	Use of protective clothing
	Requests for maintenance or operations must be carried out by qualified staff or technical after-sales centres
	Important information
	Operations that must be performed by two persons
	Notes / warnings
	Waste disposal
	Recyclable materials

1. NOTES / WARNINGS

NOTE
The contents of this manual are of a technical nature and the property of **ISA**. It is forbidden to reproduce disclose or modify, either wholly or partially, its content without prior written authorisation. Any infringement will be legally pursued.

The manual and the conformity certificate are an integral part of the equipment and should always accompany the product in the event of a transfer to a new location or to a new owner. The user is responsible for the integrity of these documents, for their consultation and during the whole life cycle of the equipment itself. Keep this manual in a safe place.It should be available for consultation near the equipment at all times. If lost or destroyed, you can request a copy of the manual from **ISA** by specifying the exact model, serial number and year of manufacture. The manual reflects the manufacturing technology at the time of supply.The manufacturer reserves the right to modify its products in any way it deems necessary, with no obligation to update manuals and machines relating to previous manufacturing batches.

The equipment can be used by children no younger than 8 and by persons with reduced physical, sensory or mental capabilities, or lacking experience or necessary knowledge, as long as supervised or after having received training regarding safe use of the equipment and have an understanding of the inherent risks involved. Do not allow children to play with the device. The cleaning and maintenance that the user will carry out must not be undertaken by children without supervision.

Always refer to this manual before going ahead with any operation. Before doing any type of work, disconnect the equipment from the power supply. Any work on electric and electronic parts or cooling system components should only be carried out by trained personnel in compliance with current laws.

The Manufacturer cannot be held liable for any damage to persons, animals or to the product in the following cases:

- Improper use of the equipment or use by unqualified or unauthorised personnel.
- Failure to comply with current legislation.
- Incorrect installation and/or power supply faults.
- Failure to observe the instructions contained in this Manual.
- Failure to follow the maintenance schedule.
- Unauthorised modifications.
- installation of non-original spare parts in the equipment.
- Installation and use of the equipment for purposes other than those for which the appliance was designed and sold.
- Tampering with or damage to the power supply cable.

Liability for applying the safety instructions contained in this manual is held by the technical personnel responsible for the intended use of the equipment, who should ensure that authorised personnel:

- Are qualified to carry out the requested activity.
- Are aware of and carefully comply with the instructions contained in this document.
- Are aware of, and apply, the general safety standards applicable to the equipment.

The buyer is responsible for training personnel using the appliance on the risks, safety devices and general health and safety rules required by the laws of the country where the appliance is installed. Users/operators should be aware of the position of all the controls and how they work, as well as of the features of the appliance. They should also read this manual in its entirely. Maintenance work should be conducted by qualified personnel after the appliance has been prepared adequately.

DANGER
Unauthorised tampering or replacement of one or more parts of the appliance, use of accessories that modify the use of the same and use of spare parts different to those recommended, can become the cause of injury.

DANGER
Any work conducted on the appliance must involve disconnection from the power socket and in any case, none of the protective elements (grid, casing) should be removed by non-qualified staff.The appliance should not be operated when these protective elements have been removed. Before carrying out any cleaning, maintenance or replacement operation, disconnect the equipment from the mains by unplugging it from the electrical socket. During these operations the operator must be able to ensure that the plug remains disconnected.

NOTE
In order not to compromise the functionality and safety of the appliance, the particularly complex installation and maintenance activities are not documented in this manual and are performed by the undersigned company.

Never use electric devices inside this appliance. Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer. Keep the air vents in the casing of the appliance or in the structure built into the wall free of obstructions. Do not damage the refrigeration circuit.

“A”-weighted sound pressure level lower than 70 dB(A).

RISK OF EXPLOSION
Do not store products containing flammable propellants or explosives.

ISA uses materials of the best quality and as they enter the company, we constantly monitor their storage the use as part of the manufacturing process to prevent damage, deterioration and failure. All manufacturing elements have been designed and manufactured in order to guarantee high safety and reliability standards. All appliances are subjected to a strict testing procedure before delivery.However, please bear in mind that product performance over time depends on correct use and adequate maintenance. This manual contains the necessary instructions to maintain the appliance's initial appearance and functions over time.

The use and maintenance manual contains the information required to understand the operating modes of the appliance and for its correct use, in particular: the technical description of the various functional units, accessories and safety systems, operation, use of instrumentation and interpretation of any diagnostic warnings, main procedures and information relating to the ordinary maintenance operations. For correct use of the appliance, the working environment should comply with current health and safety standards.

The safety requirements, indications, standards and notes illustrated in the various chapters of the manual are aimed at establishing a code of conduct and a series of obligations to be observed when performing the various activities, in order to create safe conditions for personnel, the equipment and the surrounding environment.

The safety standards reported in this document are intended for trained, authorised personnel responsible for:

- Transport
- Installation
- Operation
- Management
- Maintenance
- Cleaning
- Decommissioning
- Disposal

ATTENTION
Reading of this manual, albeit in full, is no substitute for adequate user experience. Therefore it should only be considered a useful reminder of the technical features and the main operations to be performed.

WARNING
The installers and users MUST read and understand the instructions contained herein before any operation on the appliance.

STAFF TRAINING

The buyer is responsible for ensuring personnel who will use the appliance and maintenance technical staff are instructed and trained adequately. The manufacturer is available for advice, clarifications, etc. so that the operator and technical staff can use the appliance correctly. To ensure operator safety, appliance devices should be kept in constant working order. This manual is intended to illustrate the use and maintenance of the appliance.The operator has a responsibility and duty to carefully observe the instructions contained within it.

Failure to comply with safety standards may result in injury to personnel and damage to the equipment components and control unit. The user can contact the dealer to request additional information not contained in this document, or suggest improvements, at any time.

Before delivery to the customer, the specialised technicians must check that the equipment is working correctly to ensure that optimum performance is obtained.

REFRIGERANT

R744

The refrigerant **R744** is a gas that is compatible with the environment. Be very careful when transporting and installing the appliance and during scrapping to avoid damaging the refrigerant circuit pipes.

IN THE EVENT OF DAMAGE:
Keep flames or sources of ignition away from the appliance. Properly ventilate the premises for a few minutes. Turn the unit off, pull out the plug. **Notify the customer service department**.

HIGH PRESSURE

ATTENTION
The refrigerant system works at High Pressure. Do not tamper with the system, but call a specialised and qualified technician before disassembly.

ATTENTION
Maintenance must be performed by qualified personnel that has been to work with flammable refrigerants.

REFRIGERANT

R290

The refrigerant **R290** is a gas that is compatible with the environment, but **is highly flammable**. Be very careful when transporting and installing the appliance and during scrapping to avoid damaging the refrigerant circuit pipes.

IN THE EVENT OF DAMAGE:
Keep flames or sources of ignition away from the appliance. Properly ventilate the premises for a few minutes. Turn the unit off, pull the plug. Notify the customer service department. The more refrigerant containing an appliance, the greater must be the environment in which there is the unit. In areas too small, in the event of leakage can form a flammable mixture of air and gas. **The volume of the room where the appliance is installed must be at least 19 m³ for each cooling system present in the room.**

ATTENTION
Maintenance must be carried out by trained technical personnel authorised to work on flammable refrigerants.

REFRIGERANT

R600a

The refrigerant **R600a** is a gas that is compatible with the environment, but **is highly flammable**. Be very careful when transporting and installing the appliance and during scrapping to avoid damaging the refrigerant circuit pipes.

IN THE EVENT OF DAMAGE:
Keep flames or sources of ignition away from the appliance. Properly ventilate the premises for a few minutes. Turn the unit off, pull the plug. Notify the customer service department. The more refrigerant containing an appliance, the greater must be the environment in which there is the unit. In areas too small, in the event of leakage can form a flammable mixture of air and gas. **The volume of the room where the appliance is installed must be at least 17 m³ for each cooling system present in the room.**

ATTENTION
Maintenance must be carried out by trained technical personnel authorised to work on flammable refrigerants.

2. MANUFACTURER

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3. WARRANTY TERMS AND CONDITIONS

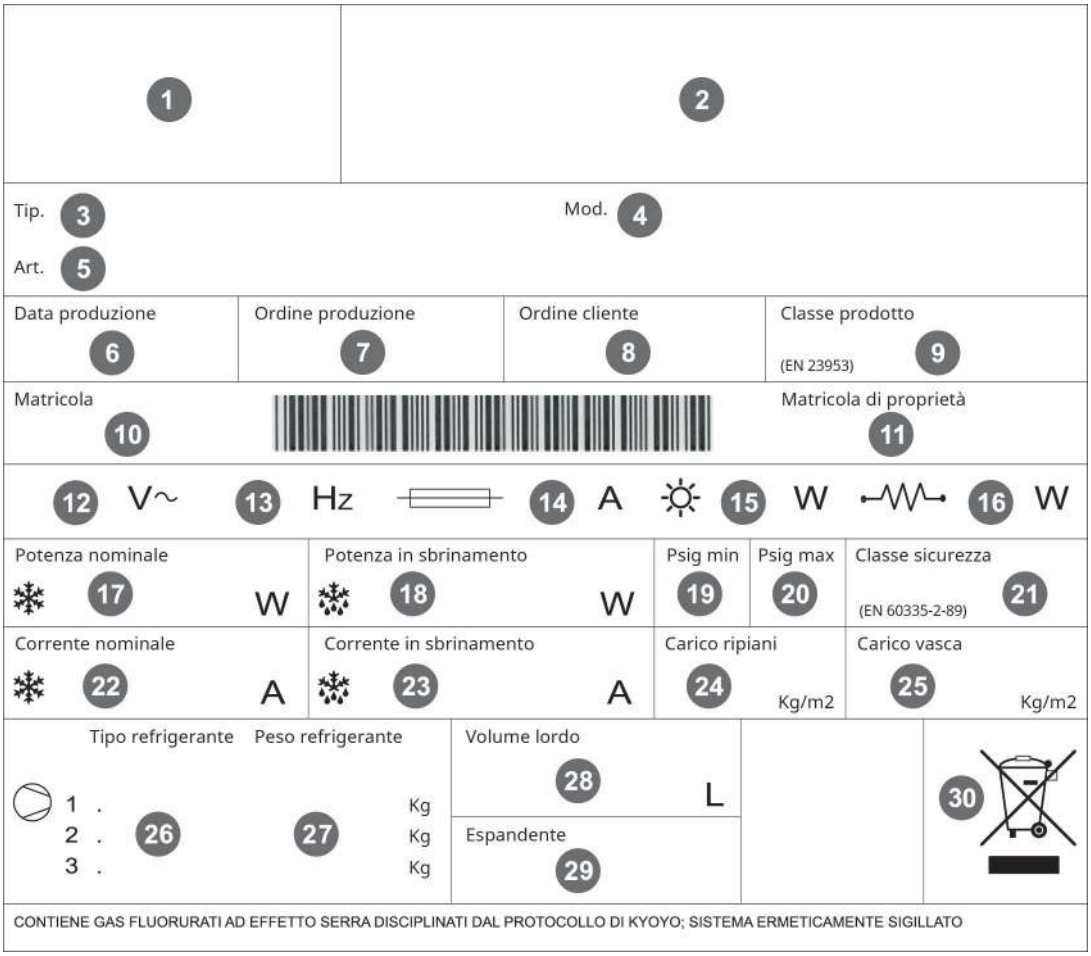
The seller guarantees their equipment for a period of 12 (twelve) months from delivery.
The warranty includes repairs or replacements of any faulty parts due to manufacturing processes or installation after written communication has been received, stating the appliance serial number and date of installation.
Not included in the warranty:

- Incorrect use of the appliance.
- Incorrect connection to the power grid.
- Normal wear of the components (such as breakage of the compressors, of the neon/LED lights, etc.) if not due to manufacturing defects.
- Calls for installation, technical instructions, adjustments, condenser cleaning.

If the seller's technical staff detect any tampering, unauthorised repairs or inappropriate use of appliance the warranty will be invalidated.
Shipment of components covered by the warranty is freight collect only.
Any damage to the appliance detected at the time of delivery due to transport must be reported on the same shipping note to claim compensation from the carrier.
The seller cannot be held liable in the event of damage to accepted products due to appliance faults.

4. IDENTIFYING THE EQUIPMENT

Find the label affixed on the machine to read the technical data.
Check the machine model and the power supply voltage before you perform any operation.
If discrepancies are found, contact the manufacturer or the company that offer the supply immediately.



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2	SYMBOLS OF COMPLIANCE	17	NOMINAL POWER (NORMAL OPERATION)
3	TYPE	18	POWER (DEFROSTING)
4	MODEL NAME	19	MINIMUM PRESSURE
5	ARTICLE	20	MAXIMUM PRESSURE
6	PRODUCTION DATE	21	SAFETY CLASS
7	PRODUCTION ORDER	22	RATED CURRENT
8	CUSTOMER ORDER	23	CURRENT DURING DEFROSTING
9	PRODUCT CLASS	24	SHELF LOAD
10	SERIAL NO.	25	TANK LOAD
11	OWNER REGISTRATION NUMBER	26	TYPE OF COOLANT
12	POWER SUPPLY VOLTAGE	27	WEIGHT OF COOLANT
13	SUPPLY FREQUENCY	28	GROSS VOLUME
14	FUSE VALUE	29	EXPANDING INSULATION AGENT
15	LAMP POWER	30	WEEE MARK

5. SAFETY

The appliance is equipped with safety devices. The buyer is responsible for training personnel using the appliance on the risks, safety devices and general health and safety rules required by the laws of the country where the appliance is installed. Users/ operators must be aware of the position of all the controls and how they work, as well as of the features of the appliance. They should also read this manual in its entirely.

5.1 SAFETY DEVICES INSTALLED

Devices whose operation prevents the occurrence of risk situations in operating conditions (e.g. fuses, pressure switches, protections, magnet circuit breakers, etc.).

5.2 FIXED GUARDS

Fixed protective devices consist of fixed perimeter guards, which are used to prevent external parts from entering the equipment.

DANGER
It is prohibited to re-start the appliance following maintenance without having correctly restored the panels.

VISUAL OBSERVATION
Periodically check the integrity of the fixed guards and the relative fixings to the structure with particular attention to the protection panels.

5.3 ISOLATING THE ELECTRIC POWER SUPPLY

Before conducting any maintenance work on the equipment or on its parts, it is necessary to section the relevant power supply.

DANGER
In the event of maintenance operations where the operator cannot prevent accidental closure of the circuit by others, completely disconnect the appliance from the mains electricity.

5.4 CIRCUIT FAULTS

Owing to potential faults, safety circuits may become less effective, which results in lower safety levels. You should check the operational condition of the appliance devices regularly.

5.5 WARNING SIGNS (IF ANY)

The equipment is equipped with danger, attention and obligation warning plates defined in accordance with the legislation on graphic symbols to be used on the systems. The plates are located where they are clearly visible.

ATTENTION
Any warning plates on the appliance must not be removed.
The user is responsible for replacing warning signs that, owing to wear, become unreadable.

5.6 FALLING OBJECTS

Positioning of the cabinet display parts (where present) of the equipment (i.e. counters, rods and hooks, etc.), as well as the arrangement of the products inside the cabinet can be the source of potential hazards if not properly performed. Follow the positioning instructions described in this Manual before you place products inside the cabinet, check that the counters are properly fastened, as also the hooks, etc. Do not exceed the maximum load limit. Do not exceed the maximum load limit. Do not position tilted product on the counters if they are not held in place by their stoppers.

5.7 COOLING

During different operations to perform on the counter, such as cleaning or loading goods, it is necessary to handle products and/ or counter parts at a low temperature with the risk of “cold injury” for the operators and/or accidental slipping hazard. Follow the safety regulations in the place where the cabinet is installed; more specifically, be sure to always use correct PPE (especially gloves).

5.8 FOOD SAFETY (PACKAGED PRODUCTS)

Direct contact between food products and the display surfaces does not occur when displaying packaged products, however, if product packaging is accidentally broken for a prolonged period of time, the product may become contaminated. If this occurs, follow the instructions for use of the equipment thoroughly (remove the damaged packaging from the display and clean with specific products).

6. RESIDUAL RISKS

During design the manufacturer examined all the areas or parts at risk.Therefore, all necessary precautions have been taken to prevent risks to persons and damage to the appliance.

ATTENTION
Periodically check that all safety devices are operating correctly.
Do not remove the fixed guards.
Do not introduce unauthorised objects or tools into the work area.

Although the appliance is fitted with the safety devices prepared, there are still some risks that cannot be eliminated, but reduced via corrective actions by the final integrator and correct operational procedures. Below is a summary of the remaining risks associated with the appliance during:

Normal operation.
Adjustments and fine-tuning.
Maintenance.
Cleaning.

6.1 RISK OF CONTACT WITH LIVE PARTS

Risk of breaking or damaging the electrical components of the appliance, with a possible reduction in safety levels following a short circuit.
Before connecting the electricity supply, make sure there is no ongoing maintenance work.

ATTENTION
Before making the connection, check that the d.c. current at the point of installation is not higher than that indicated on the protection switches in the electrical panel, otherwise the user must provide dedicated limiting devices. It is strictly forbidden to make any type of electrical modification to avoid creating additional hazards and consequent unforeseen risks.

6.2 FIRE

DANGER
In the event of a fire, immediately disconnect the master switch from the main power supply line.

6.3 EXPLOSIVE ATMOSPHERE

The equipment must not be located in an area classified as an explosion risk according to 1999/92/EC such as:

Zone	**0**	An area in which there is a permanent, long-lasting or frequently explosive atmosphere made up of a mixture of air and flammable substances in the form of gases, fumes or steam.
	1	An area in which the formation of an explosive atmosphere, made up of a mixture of air and flammable substances in the form of gases, fumes or steam is occasionally probable during normal activities.
	20	An area in which there is a permanent, long-lasting or frequently explosive atmosphere in the form of clouds of combustible dust in the air.
	21	An area in which the formation of an explosive atmosphere in the form of clouds of combustible dust is occasionally probable during normal activities.

6.4 SLIPPING

DANGER
Any leaks in the areas surrounding the appliance may cause personnel to slip. Check that there are no leaks and keep these areas clean at all times.

6.5 TRIPPING

DANGER
Generally, untidy deposits of material may constitute a tripping hazard and a total or partial obstruction of emergency exit routes. Ensure operational, transit and escape routes, free from obstacles, and comply with the current regulations.

7. DISPOSAL OF WASTE MATERIAL

During normal operation, the appliance does not generate any environmental contamination. At the end of its life cycle, or if it is necessary to proceed to permanent decommissioning, we recommend following the procedures below:

DISPOSAL (USER)

The symbol, applied to either the product or its packaging, indicates that the product should not be considered as normal domestic waste, but should be taken to a waste collection point for the recycling of electrical and electronic appliances. The correct disposal of this product contributes to preventing potential negative consequences that might derive from an inadequate disposal of the product. For detailed information about recycling this product, contact your council, your local waste collection service or the store where you purchased the product.

PROCEDURE FOR DISPOSAL and RECYCLING AT THE END OF APPLIANCE LIFE CYCLE (AUTHORISED BODIES)

- Switch off the equipment and unplug the power supply cable.
- Remove the lamps (if installed). These should be disposed of separately.
- Remove the power supply units and the electronic cards. These must be disposed of separately.
- Disassemble all the independent parts (grids, casings, profiles, etc.) and separate them by homogeneous material characteristics, in order to access the heat exchangers, pipes, cables, etc. being careful not to damage the refrigeration circuit.
- Remove all mobile parts (doors, sliding doors, glass parts, etc.) and group the various materials according to their similar features.
- Check the type of refrigerant on the plate inside the counter; remove the refrigerant and dispose of it through the authorised services.
- Disconnect the evaporator, condenser, compressor, pipes and fans; the tubes being made of copper, aluminium, steel and plastic must be disposed of separately.
- After removing all the casings and the various components from the frame, separate the different types of material that compose them (plastic, sheet metal, polyurethane, copper, etc.) and group by homogeneous characteristics.

All recyclable materials and waste must be treated and recycled in a professional manner and in accordance with the directives of the country in question. The company assigned to recycling must be registered and certified as a waste disposal service according to the specific directives of the country in question.

ATTENTION
Illegal disposal of the product by the owner will result in the application of administrative sanctions provided by the laws in force. Disposal of the product should comply with current laws on the disposal of coolant liquids and mineral oils.

IMPORTANT
If the crossed-out wheelie bin symbol is not attached to the device, it means that the manufacturer is not responsible for disposal of the product; in this case, the current regulations on waste disposal always apply. Contact the competent municipal office, the local waste disposal service or the shop where the product was purchased.

ADDITIONAL INFORMATION
Further information on how to dispose of coolant and oils and other substances can be found on the safety data sheet of the substances themselves. To dispose of foamed assemblies, remember that the polyurethane foams used are CFC-, HFC- and HCFC-free.

8. MAINTENANCE

The **Staff in charge of the appliance** must control and respect the expiry dates for maintenance, given in the table below, contacting the authorised **Technical Assistance** when indicated.

	FREQUENCY				
	According to Use and Requirement	Monthly	Every 6 months	Maintenance	Manager
Cleaning the external surfaces	●			□	USER
Cleaning of accessible internal parts (without the use of tools)	●			□	
Check integrity of sealing gaskets		●		□	
Control of power supply cable/plugs and/or electrical sockets		●	●	□	
Cleaning the condenser unit filter (If present)			●	□	
Cleaning the defrosting water collection tray	●			□	TECHNICAL ASSISTANCE
Cleaning the water collection tank (inside the tank - if present)	●			□	
Condenser cleaning	●		●	□	
Control of oil level of compressor (Where present)			●	□	
Venting of air tank (Where present)			●	□	
Control of pneumatic connections (Where present)			●	□	
Check the integrity of chiller system piping			●	□	
Inspect cables and internal power connections			●	□	
Cleaning of the condensation dryer sponges (Where present)			●	□	
Replacement of lights / LEDs (Where present)				■	
Replacement of control panel (Electronic control unit - thermostat - etc.)				■	
Replacing the power supply cable, plugs and/or electric sockets				■	

□ Routine Maintenance

■ Extraordinary Maintenance

ATTENTION

After any maintenance it is **mandatory** to perform the electric safety tests in compliance with the IEC EN 50106 Standard.

9. FAULTS - TECHNICAL AFTER-SALES ASSISTANCE

If the appliance is not working properly or stops working, before contacting the **Customer Support Centre** check the following:

USER

	CAUSE	SOLUTION
THE EQUIPMENT DOES NOT WORK	Blown protective fuse	First find the cause of the trip of the switch, and then replace the new fuse.
	The master switch is open	Close the master switch.
	The plug is not inserted	Insert the plug.
	Electrical black-out	If the black-out should be prolonged, transfer the product into an appropriate cold storage container.
THE TEMPERATURE IS NOT SUFFICIENTLY LOW	Evaporator(s) completely blocked with ice	Carry out an additional defrosting cycle.
	Wrong temperature setting	Set the appropriate temperature.
	Equipment being struck by currents of air or exposed to direct or reflected sunlight	Remove any draughts and prevent any direct or reflected sunlight.
	Insufficient air flow for cooling to the condenser	Remove anything which could obstruct the circulation of air through the condenser (sheets of paper, cardboard, insufficient slots in grille, etc.).
THE COMPRESSOR DOES NOT START WORKING OR WORKS FOR VERY SHORT PERIODS	No electric power supply to the appliance	Check if there is a power cut. Close the various switches on the power supply line.
	Excessively low power voltage	Check that the mains voltage of the power power supply corresponds to the nominal value 220V +/- 10%.
	Temperature set too high	If the temperature is higher than the air temperature in the display chamber, the compressor will not start. Set the suited temperature if the current temperature is not low enough.

TECHNICAL ASSISTANCE

	CAUSE	SOLUTION
THE TEMPERATURE IS NOT SUFFICIENTLY LOW	Internal ventilators not working or damaged fans	Replace the ventilators/fans.
	Thermostat / Electronic control board not efficient	Replace the thermostat/electronic control board. If the electronic control board is used on appliances with R290 coolant, it must only be replaced with an original spare part supplied by the manufacturer. Replace the temperature probes only after having ascertained which of them is inefficient.
	Condensing unit blocked with dust or dirt in general	Clean the condensing unit thoroughly. The condensing unit in particular operating environments (e.g. presence of dust, presence of excessive humidity, etc.) when the performance of the appliance deteriorates requires careful cleaning.
	Insufficient refrigerant load in the cooling system	Find the cause of the refrigerant loss and remove it; top up the refrigerant load if necessary having emptied the system.
THE COMPRESSOR DOES NOT START WORKING OR WORKS FOR VERY SHORT PERIODS	Maximum pressure switch triggered (if present)	Check the reasons why the pressure switch is operating at maximum pressure levels, such as: air condenser obstructed, condenser fan with air stopped, ambient temperature too high, pressure switch defective.

9.1 SPARE PARTS

http://service.isaitaly.com/

9.2 DATA BASE ENERGY LABEL

https://ec.europa.eu/info/energy-climate-change-environment/standards-tools-and-labels/products-labelling-rules-and-requirements/energy-label-and-ecodesign/product-database_en

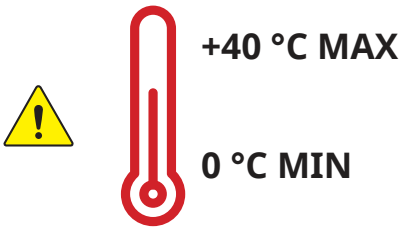
9.3 ACCESS TO THE PROFESSIONAL REPAIR SERVICES

https://www.isaitaly.com/it/assistenza/

ITALY	Tel. +39 075 8017800	e	mail: **isaservice@isaitaly.com**
ABROAD		email: **servicecall@isaitaly.com**	

10. STORAGE

The appliance, with or without its packaging, must be carefully stored inside warehouses or in areas protected from the weather and from direct sunlight, at a temperature of between **0** and **+40°C**.



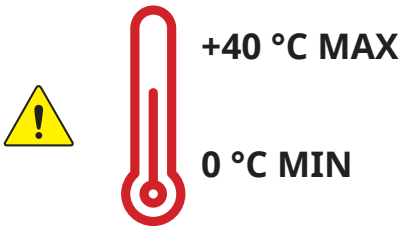
11. PROLONGED APPLIANCE SWITCH-OFF

Remove the product contained in the refrigerated compartment and place it immediately in a suitable refrigerated container to ensure proper storage.

Open the equipment and wait for it to reach room temperature and then clean it.

Leave the door/sliding panels open by about 2-3 cm so as to guarantee air circulation and prevent the formation of mould and bad smells inside the appliance.

The appliance, with or without its packaging, should be carefully stored inside warehouses or in areas protected from the weather and from direct sunlight, at a temperature of between **0** and **+40°C**.



12. INSTALLATION

12.1 UNPACKING

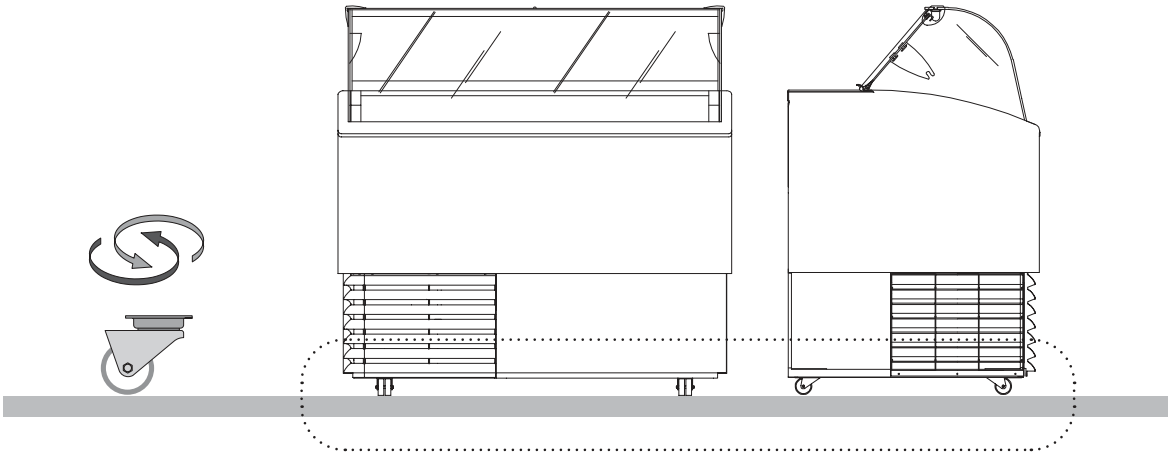
All packaging materials are recyclable and should be disposed of in accordance with local regulations. All packaging materials are recyclable and should be disposed of in accordance with the local regulations. Please destroy "plastic" bags to prevent them from becoming hazardous to children (suffocation).

ATTENTION
Handling of the equipment must only be performed using a forklift truck of adequate power (with respect to the weight of the equipment) and operated by qualified personnel: during this operation the equipment must strictly be positioned on the appropriate pallet supplied.

12.2 POSITIONING

SWIVEL CASTERS

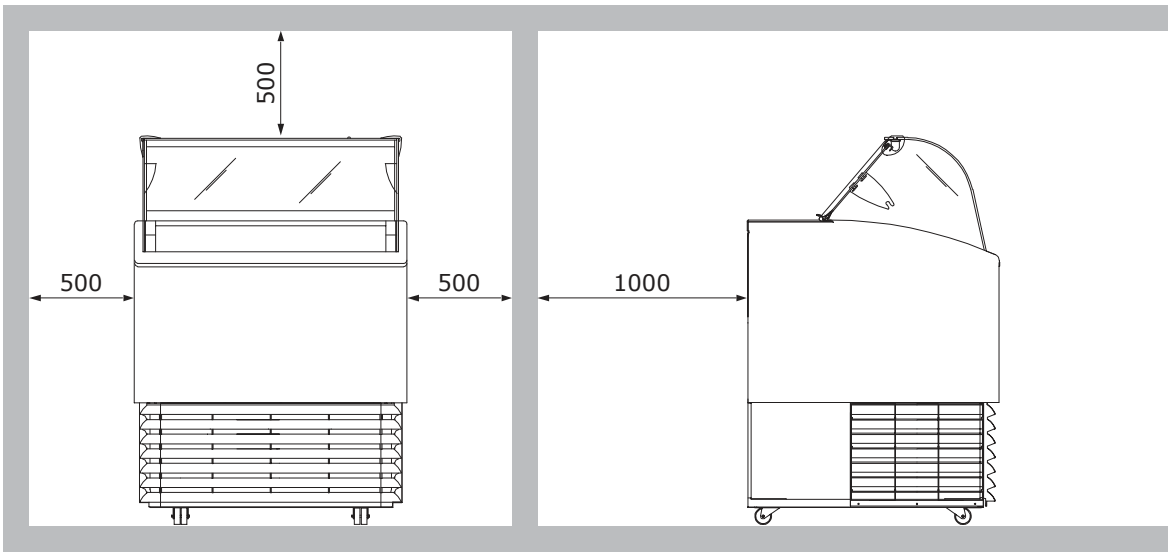
ATTENTION
The appliance has swivelling drive wheels to facilitate handling.
Stabilising the equipment on the floor after positioning is **mandatory**.



12.3 WALL MOUNTING

ATTENTION

It is fundamental to respect the distances indicated (mm) for correct installation of the appliance.



12.4 ENVIRONMENTAL CONDITIONS

ATTENTION
A dry room that can be ventilated is the suitable location for the appliance's installation. There should be a good air flow around the compressor/condensing unit. Therefore the area around the unit should not be obstructed by boxes or other objects. Place the equipment away from sources of heat (radiators, heaters of any kind, etc.) and far from the influence of continuous air movement (caused by fans, air conditioning units, etc.). If it is unavoidable to install near a heat source, use a suitable insulating plate. Also avoid exposure to direct solar irradiation; all of this causes the temperature inside the refrigerated compartment to rise with negative consequences on operation and energy consumption. Do not use the appliance outdoors and do not leave it exposed to rain.

12.4.1 MAXIMUM ENVIRONMENTAL CONDITIONS FOR USING THE EQUIPMENT

	°C	%
REFRIGERATORS FOR BEVERAGES	**+32°C** MAX	**+60** MAX
FREEZERS FOR ICE CREAM	**+40°C** MAX	**+40** MAX
This appliance is intended for use in places where the temperature and humidity are between:	**+16°C** MAX	**+80** MAX

12.5 ELECTRICAL CONNECTION

ATTENTION
Check that the network voltage matches the one displayed on the identification plate of the appliance, and that the power is adequate. Check on the socket that the power supply voltage provides rated voltage (±10%) when you start up the compressor. The plug should be directly connected to the electrical socket. It is forbidden to connect the plug to the socket by means of multiple socket extensions or adaptors. The plant power supply socket must be fitted with a disconnection device from the mains electricity (dimensioned to the load and in compliance with Standards in force), which guarantees complete disconnection in category III (3) over-voltage conditions and therefore protects the circuits against earth faults, overloads and short circuits. Do not route the electricity cable in passageways.

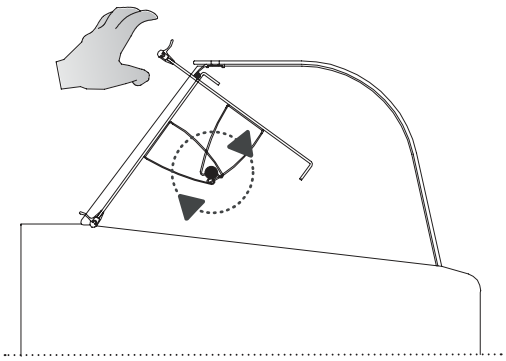
ATTENTION
Remember that **earthing** is necessary and **is a requirement imposed by law**.

12.6 OPENING / CLOSING (OPERATOR SIDE)

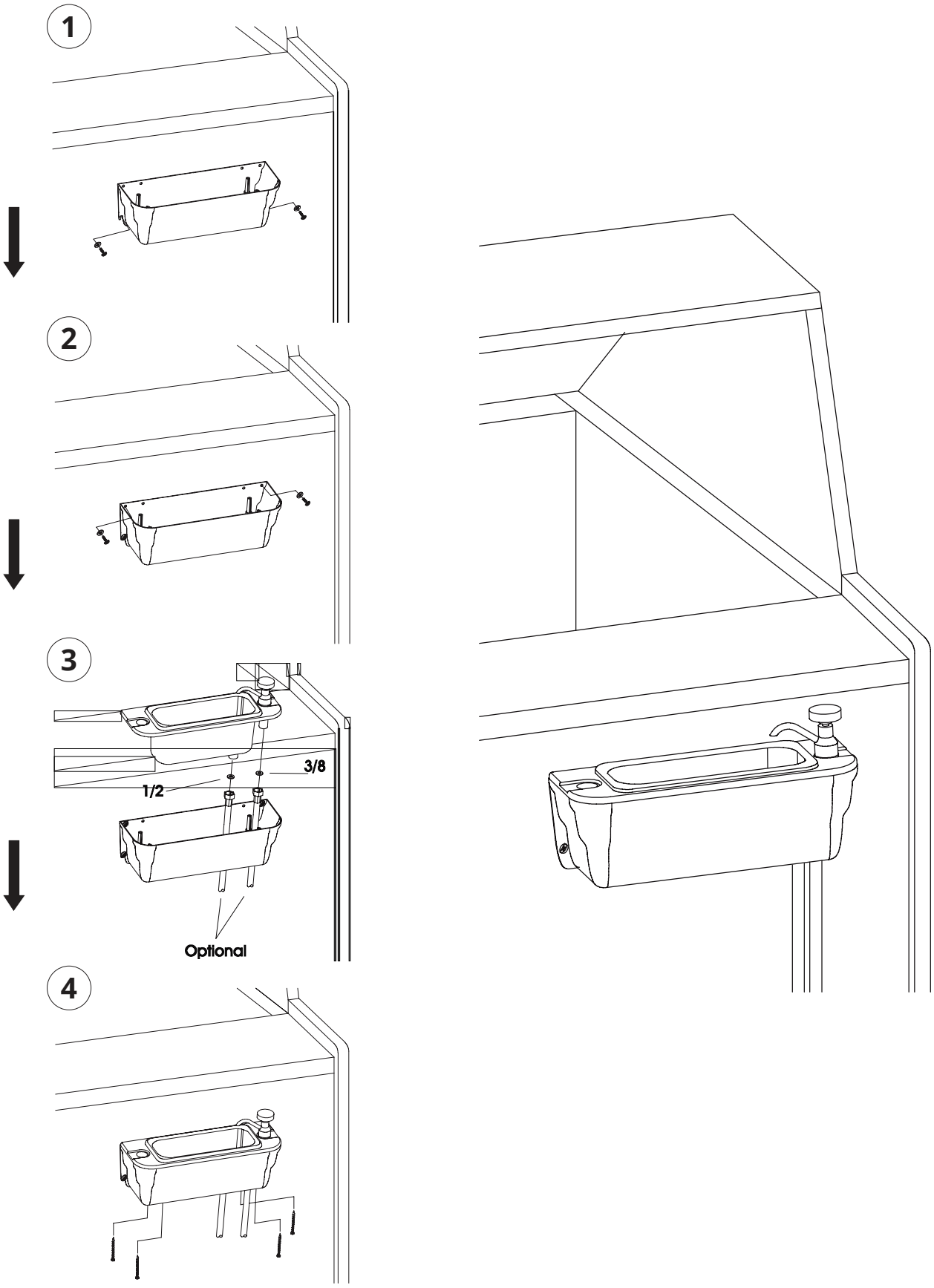
TILT FLAP

ATTENTION

Open and close the blind manually without forcing it making sure that it is correctly closed; if it is not correctly closed, it may negatively affect the performance of the appliance and result in the excessive build-up of ice on the internal walls.



12.7 ASSEMBLY OF PORTIONER WASHER (OPTIONAL)



13. COMPOSITION

The appliance consists of a single cabinet, on which are installed all the devices necessary to make it a product that is professional and efficient for its declared use.

The appliance consists of:

Refrigeration	Static (display basin)
	Static (refrigerate reserve) - models 6R-7R
Installation	Plug-in
Command board	Electronic
Lighting	Led
Closing	Tilt flap
Handling	Swivel casters (without brakes)

14. USE

This equipment is used exclusively for the display and sale of:

SCOOPABLE ICE CREAM

The manufacturer is not liable for injury to persons or damage to property or the appliance itself caused by the displaying of products other than those described above.

THE APPLIANCE IS INTENDED FOR PROFESSIONAL USE

Non-permitted uses:
- Preservation of products
- Displaying and/or preserving of non-food products (chemicals, pharmaceuticals, etc.).

14.1 LOAD LIMITS

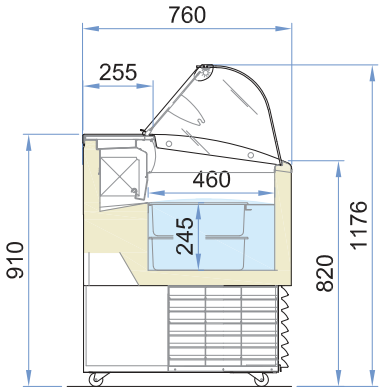
ATTENTION

It is fundamental **not to exceed the load limits indicated** in order to avoid altering the correct air circulation and thus to prevent a high product temperature. The limits indicated refer to a static and evenly distributed load. Dynamic overloads due to violent loading operations are therefore excluded, which must always be avoided for safety reasons.

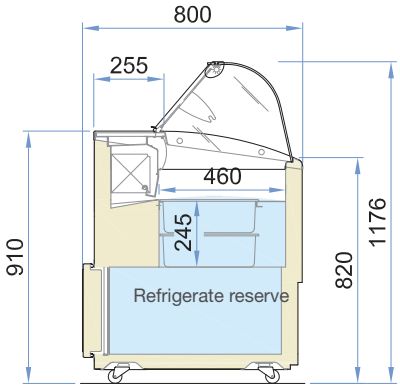
15. TECHNICAL SPECIFICATIONS

				4	6R	7R
External dimensions	Length	**L**	mm	824	1184	1354
	Depth	**P**	mm	760	800	
	Height	**H**	mm	1176		
Weight (net)			Kg	69	97	102

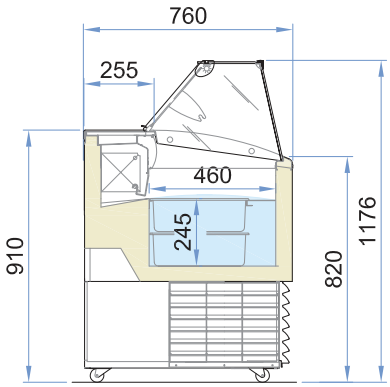
LX
4



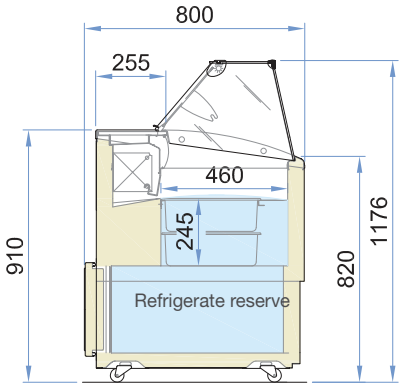
LX
6R, 7R



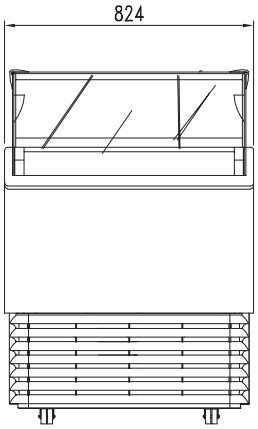
ST
4



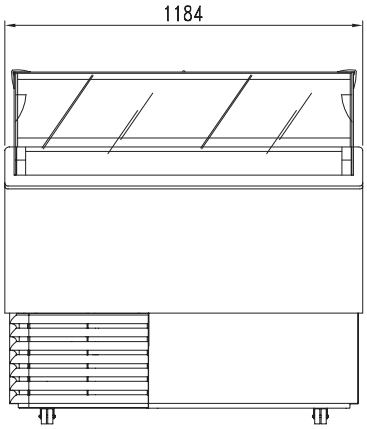
ST
6R, 7R



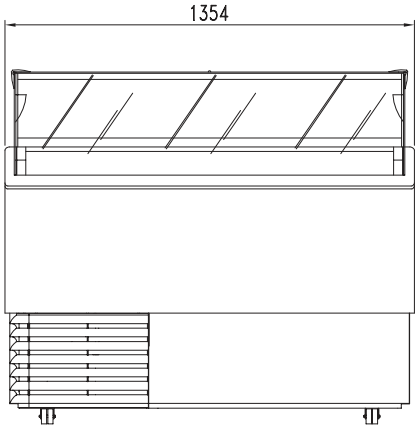
4



6R



7R

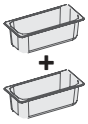


15.1 PREPARATIONS

ICE CREAM TUBS (OPTIONAL)

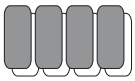
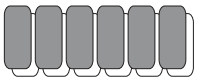
DISPLAY TUB

Tray
4.75 Lt
260x157x170H



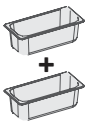
Tray
5 Lt
360x165x120H

Double reserve line

4	**6**	 **4 + (4)**
6R	**10**	 **6 + (6)**
7R	**11**	**7 + (7)**

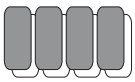
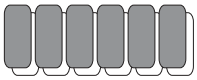
STORAGE ROOM

Tray
4.75 Lt
260x157x170H



Tray
5 Lt
360x165x120H

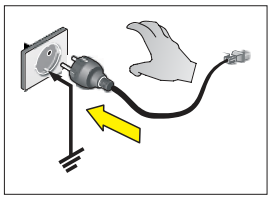
Double reserve line

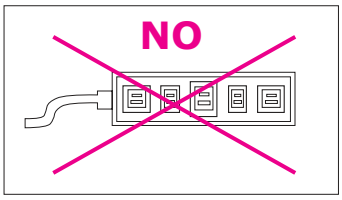
6R	**6**	 **4 + (4)**
7R	**8**	 **6 + (6)**

16. CONTROL PANEL

START-UP (ON)

Activate the mains system master switch.
Plug the appliance in the socket supplied by the customer, ensuring that the plug is fitted with an earth contact and that there are no multiple sockets connected to it.

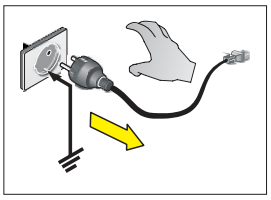




THE EQUIPMENT STARTS AUTOMATICALLY

SWITCH OFF (OFF)

Remove the power plug from the socket supplied by the customer.



ATTENTION

The electronic control unit is installed already programmed; any changes to the control unit settings can be performed by qualified technicians only.

16.1 USER INTERFACE

XR44CH

BUTTON	SINGLE PRESS
SET	To view or edit the SET-POINT. While programming, select a parameter or confirm a value.
	DELETE MINIMUM/MAXIMUM TEMPERATURE When the stored temperature is displayed, keep the button pressed for a few seconds (the letters rSt appear). To confirm, the letters rSt will begin to flash.
	ARROW DOWN While programming, it scrolls through the parameter codes or decreases their value. When pressed for 5 seconds, it starts the defrost function.
	DISPLAY MINIMUM TEMPERATURE Press and release the key; the message "Lo" will be displayed, followed by the minimum temperature reached. Press the key or wait 5 seconds to display the normal temperature again.
	MANUAL DEFROST To start a defrost cycle, press and hold the DEF key for at least 2 seconds.
	ARROW UP While programming, it scrolls through the parameter codes or increases their value. When pressed for 5 seconds, it enables/disables ventilation depending on the setting.
	DISPLAY MAXIMUM TEMPERATURE Press and release the key; the message "Hi" will be displayed, followed by the maximum temperature reached. Press the key or wait 5 seconds to display the normal temperature again.
	Not applicable.
	ON/OFF When pressed for 5 seconds it turns the device on/off.
	Lighting ON / OFF.

KEYS	COMBINED PRESSING
+	LOCK KEYBOARD Press and hold the keys for a few seconds until the word "POF" appears. At this point the keyboard is locked: only the set-point and the maximum and minimum temperatures can be viewed. If a key is pressed for more than 3 seconds, the word "POF" appears. LOCK KEYBOARD Press and hold the keys for a few seconds until the word "POn" appears.
SET +	To enter the programming function.
SET +	To exit the programming function.

16.1 USER INTERFACE

XR44CH

KEYS	SET-POINT
SET	DISPLAY Press and release the key: the SET-POINT will be displayed immediately; to go back to the temperature, wait 5 seconds or press the key again.
SET	CHANGE Press the key for at least 2 seconds; the SET-POINT will be displayed and the °C LED will start to flash.
	Use the UP and DOWN ARROW keys to change the value.
SET	To save the new set-point, press the SET key or wait 15 seconds to quit programming mode.

LED	ON	FLASHING
	Output active	• Programming. • Delay against close start-ups.
	Defrosting in progress	• Programming. • Dripping in progress. • Delayed fan start-up in progress.
	Temperature alarm	/
°C °F	Unit of measurement	Programming
	Fans on	Delayed activation in progress
eco	Energy saving in progress	/
	Continuous cycle in progress	/
AUX	Auxiliary relay active	/
	/	Fans stopped by key

16.1 USER INTERFACE

XR44CH

ALARMS

Code	Cause
P1	Faulty temperature probe
P2	Faulty first evaporator probe
P3	Faulty second evaporator probe
HA	High temperature alarm
LA	Low temperature alarm
EA	External alarm
CA	External alarm (i1F=bAL)
	Pressure switch alarm (i1F=PAL)
oFF	Instrument in stand-by
dA	Door open
POF	Unlock door
POn	Keyboard locked

16.2 USER INTERFACE

EW978

BUTTON	SINGLE PRESS
	UP Scrolls menu options. Increases the values. Activates manual defrosting.
	MANUAL ACTIVATION OF THE DEFROSTING CYCLE The manual activation of the defrosting cycle is obtained by pressing and holding the key for 5 seconds; if the conditions for defrosting are not present (for example the evaporator probe temperature is higher than the defrost end temperature), the display will flash three (3) times to indicate that the operation will not be performed.
	DOWN Scrolls menu options. Decreases the values.
	Lighting ON /OFF Press for 5 seconds:
	STAND-BY (ESC) Goes back up one level with respect to current menu. Confirms parameter value. Activates the Stand-by function. Turns the appliance on or off.
SET	SET (ENTER) Accesses the Set-point. Accesses the programming menu. Confirms the inputs. Display alarms (if any).

KEYS	SET-POINT
SET	DISPLAY Press and release the key immediately; the label "**Set**" will be displayed. To see the set-point value, press the key again; the value will appear on the display.
	CHANGE To change the set-point value, press the UP and DOWN keys within 15 seconds.
SET	To confirm the new set-point value set, press the SET key (ENTER) again.
	By not using the keyboard for more than 15 seconds (time-out)or pressing the STAND-BY (ESC) key once, the last value displayed is confirmed and you go back to the previous display.

16.2 USER INTERFACE

EW978

LED	ON STEADY	FLASHING	FLASHING FAST	Off
	Compressor on	• Delay. • Protection. • Activation blocked.	/	Other
	Defrosting in progress	Manual activation.	/	Other
	Alarm triggered	Alarm silenced.	/	Other
	Fans on	/	/	Other
	Energy savings Running	Reduced set running	Access to parameters level 2	Other
AUX	Aux Output active	Deep Cooling cycle active	/	Aux Output not active
°F °C	Setting in °F or °C	/	/	Other

ALARMS

Code	Cause
E1	Probe 1 faulty (cell)
E2	Probe 2 faulty (defrost)
E3	Probe 3 faulty (evaporator)
AH1	High temperature alarm
AL1	Low temperature alarm
EA	External alarm
OPd	Open door alarm
Ad2	End of defrost due to time-out
COH	Overheating alarm
nPA	Generic pressure switch alarm
PAL	Generic Pressure Switch alarm
nL	No communication alarm (EWKPlus 978 only)

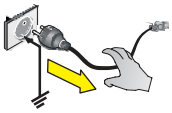
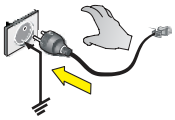
17. CLEANING

The materials listed below must be cleaned as follows:

STAINLESS STEEL	Only use warm water and non-aggressive detergents and then rinse.
ACRYLIC / POLYCARBONATE	Wash with lukewarm water, using a soft cloth or a chamois cloth.
CURVED GLASS	Only use products specifically designed for cleaning glass. It is advisable not to use tap water which could leave limescale residues.

17.1 INTERNAL

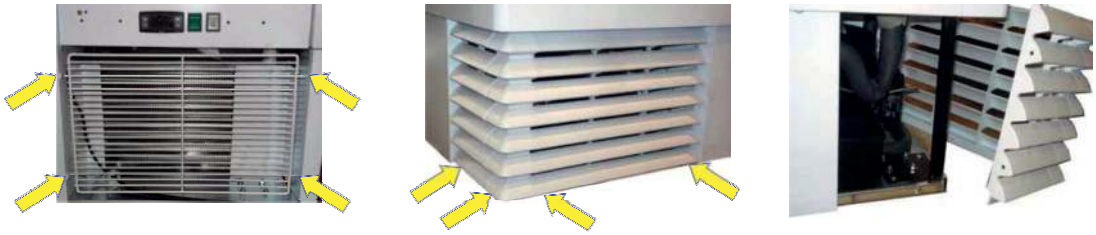
ATTENTION
Do not scrape ice from the walls with pointed tools, the surface could be damaged.
Do not use high pressure appliances (e.g. steam generators).

1		Remove the product contained in the refrigerated compartment and place it immediately in a suitable refrigerated container to ensure proper storage.
2		Turn off the equipment.
3		Remove the manually removable accessories (e.g. sliding doors, grills, ice cream containers, etc.).
4		Wait at least 4 or 6 hours for any ice on the evaporator to melt completely, before proceeding with cleaning of the appliance. It is advisable to wait for the following day to ensure that defrost has completely finished. Do not use mechanical devices or other means to accelerate the defrosting process other than those recommended by the manufacturer.
5		Remove (if present) the drain plug at the bottom of the tank to drain the defrosted water. It is advisable to apply a rubber tube or other suitable material in the drain hole in order to facilitate the exit of liquids.
6		Clean the side walls and the bottom of the tank using a non-aggressive detergent, lukewarm water and a non-abrasive cloth or sponge. Do not use sharp tools. Rinse thoroughly and dry with an absorbent cloth.
7		If the appliance is connected to a drain into the ground, run lukewarm water containing a sanitizing solution suitable for the specific use. The quantity of solution to be used must be such as to ensure perfect removal of any product residues and correct sanitation along the entire drainage path.
8		If the equipment has not been earthed, follow the procedure in the previous point. The rinsing water will be collected in the dedicated tray positioned inside the base of the equipment. Proceed to clean and sanitise the collection tray.
9		Refit the accessories previously removed.
10		Switch on the appliance and allow the counter to cool down until it reaches the desired temperature before reintroducing foods.

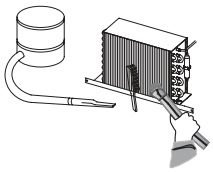
17.2 CONDENSING UNIT

Turn off the appliance, wait a few hours until all the condensing unit appliances have reached a temperature that is close to room temperature.

Remove the protection grids (front and rear) as indicated.



Clean the condenser using a dedicated soft bristle brush and a vacuum cleaner; perform the operation being careful not to bend the plates of the condenser itself.



CONDENSER MAINTENANCE

ATTENTION

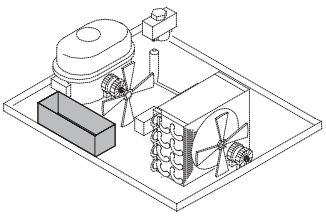
Cleaning should be carried out according to use and necessity in observance of the maintenance schedule.

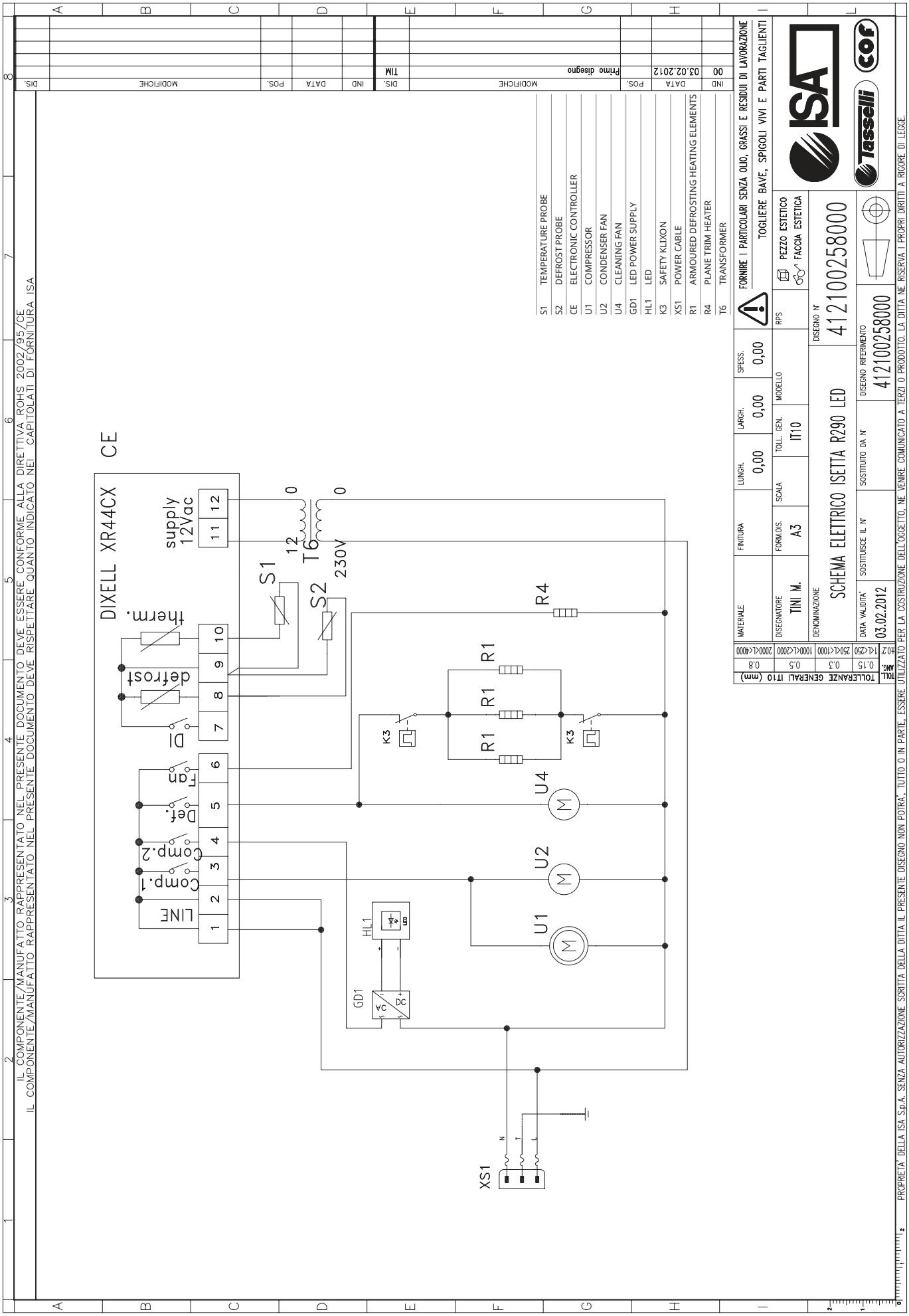
	FREQUENCY	
	According to Use and Requirement	Every 6 months
Condenser cleaning	●	●

A dirty condenser will negatively affect the efficiency of the appliance and drastically decrease its performance.

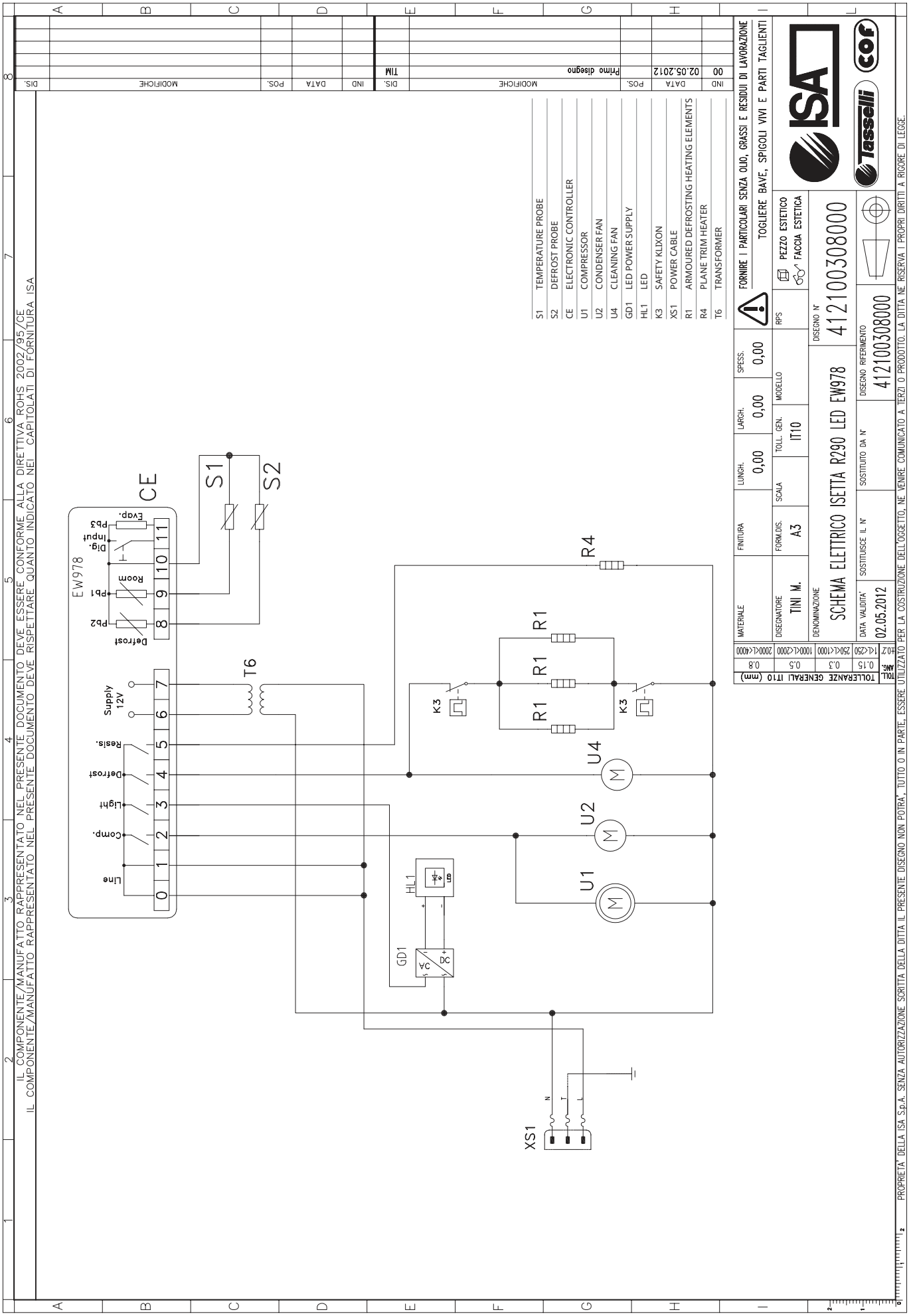
17.3 DEFROST WATER COLLECTION TRAY (IF PRESENT)

Clean based on use and as needed and in certain environmental conditions (e.g., high humidity, low environmental temperature, presence of dust, etc.) in order to avoid the incorrect and complete evaporation of the water and/or the presence of unpleasant odours.
Disinfect the tray with suitable products.





WIRING DIAGRAM



WIRING DIAGRAM

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