



Instruction manual

ICE MAKER "WHITE"



Ver. 1.1

ENG

The new Ice Maker "White" draws its name from the ice cube it produces. In fact, the ice cube it makes is white and has a unique half-moon shape.



The Ice Maker "White" has a productive capacity of 8Kg of white ice per day. It uses a "push" technology: the water is iced in cubes in a specific tray and is then "pushed" out of the tank, letting the ice cube drop into the collection container.

To ensure the most efficient possible operation to the Isotherm device, abide by the following instructions:

Avoid opening the door of the device unless absolutely necessary.

Ensure proper ventilation to the compressor and condenser.

Check that the electrical system is in good conditions.

Keep the inside of the device clean. Leave the door slightly open when the boat is not being used for long periods.

Safety instructions

The present instruction manual is an integral part of the automatic ice maker (simply defined with the term device in the present instruction manual) and will have to be stored for its future consultation.

In case of sale or transfer of the device to another person, the present manual must be handed over to the new so that he may be knowledgeable of how it operates and of the relative warnings.

⚠ Carefully read the warnings contained in the present instruction manual before installing or using the device. These warnings have been prepared to ensure a safe installation, use, and maintenance.

⚠ Do not remove any of the panels or grids.

⚠ Open and close the door carefully, without slamming it.

⚠ Do not lay objects on the device or in front of the ventilation grids.

⚠ Always lift the device even when making short moves; absolutely do not push or drag it.

⚠ Always remove the plug from the socket before proceeding with any cleaning and maintenance operation.

Any use of the device that is not the production of ice using cold tap water is considered improper.

Do not use the ice cube container to cool down or store foods or beverages, because these operations could cause the obstruction of the drain, leading to a fill-up of the container with consequential water outflow.

⚠ Do not obstruct the ventilation and heat dissipation grids because poor ventilation, in addition to badly affecting performance and causing poor operation, can also cause serious damages to the device. Carefully read the following warnings.

Use of this electrical device entails the observance of certain key rules, in particular:

- Do not touch it with wet or damp hands or feet;
- Do not use it barefoot;
- Do not use plug extensions in premises used as restrooms or showers;
- Do not pull the power cable to disconnect it from the power supply network;
- Do not allow that it be used by children or unskilled persons.

⚠ In case of a fault and/or poor operation of the device, detach it from the electrical power network by acting on the specific switch foreseen during the installation phase and detach the plug from the socket, close the water faucet, abstain from any attempt to make direct repairs or interventions, and contact professionally qualified personnel only.

To modify or attempt to modify this device, as well as making any form of warranty expire, is extremely dangerous.

⚠ To ensure device efficiency and its correct operation, it is essential to follow the indications provided by the manufacturer, having the maintenance performed by professionally qualified personnel.

In case of a fault, contact the Retailer that has sold you the device, who will know how to advise you on the Authorized Assistance Center closest to you. We recommend that you always and only demand original spare parts.

⚠ In the event that you decide not to use the device anymore, we recommend that you make it inoperative by cutting its power cable (after having detached the cable from the electrical power supply network).

We moreover recommend to:

- Break and remove the door in order to prevent the possible danger of a child who moves near to play with it get trapped in it;
- Avoid leakages in the environment of refrigerant gas and oil contained in the compressor;
- Dispose and recover the materials based on the provision of law in force on the matter.

This device does not contain refrigerant gas that damages the ozone.

⚠ An incorrect installation may cause damages to the environment, to animals, persons, or things, for which the manufacturer cannot be held responsible.

⚠ When connected to the electrical network of the quay, make sure that the current generator is arranged with a life-saver.

⚠ Warning!
Never leave uncovered cables inserted in the electrical power supply.

⚠ Warning!
Never directly connect the device to a battery charger and/or generators. The most recent battery chargers and/or generators can contain explosive acids, gases, or liquids that are dangerous to persons, animals, or things.

⚠ Warning!
Never cover the ventilation openings of the compressor unit. Do not disperse refrigerant into the air.

Installation

The Ice Maker "White" Isotherm has been designed to satisfy normal installation sizes. The compressor must remain in upright position but will also operate with an oscillation of 30° and for shorter periods.

Ventilation is guaranteed by the front panel grid system; it therefore is not necessary to leave side spaces, except those necessary to allow a smooth installation, free or wall-fitted.

We recommend that you install the device with a room temperature between 10° and 35°C and a temperature of the fed water between 3° and 25°C, avoiding direct exposure to sun rays and proximity to heat sources such as: heaters, stoves, cup washers, etc.



This device:

- Must not be used outdoors;
- Must not be placed in damp environments and ones where water sprays are present;
- Must be at a distance of at least 5 cm from the side walls.

Connection to the electrical network



Before connecting the device to the electrical power network, make sure that the network voltage matches the one reported on the rating plate.



Make sure that the device is connected to an efficient grounding system.



Check that the electrical capacity of the system is adequate to the maximum power of the device reported on the plate.



To ensure a correct and safe device installation, it is essential to arrange a specific socket controlled by an omnipolar switch, with a distance between contact openings equal or greater than 3 mm, in compliance to the national safety norms, equipped with fuses, with an associate differential, and positioned so that it can be easily accessed.

Connect the plug to the electrical power socket.

It is possible to have the plug replaced by professionally qualified and licensed personnel, provided that the plug is compliant to the national safety norms in force.



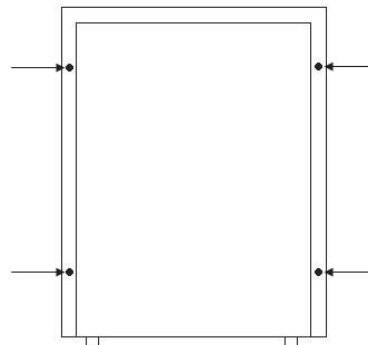
We recommend to stretch out the power cable to its entire length, making sure it is in no way squashed.



In case the power cable is damaged, it must be replaced by professionally qualified personnel, using a special cable available from the Manufacturer or from Authorized Assistance Centers.

Fixing

To fix the device, use screws with a diameter of 3.2 mm, 16 mm long, self-threaded. The device must be fastened with the fixing flange that comes with specific holes (see the figure below).



If the device is fixed, make sure that the material is solid and sturdy. After the fixing operation, check that the device is stable and immobile.

Connection to the water supply network

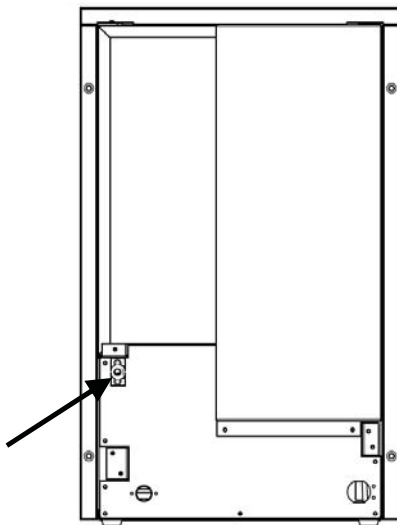
⚠ This device must be fed with cold water intended for mass consumption (drinkable tap water) only. The operating pressure must range between 1 and 6 bar.

Connection to the water network must be performed in accordance to the instructions provided by the Manufacturer, and by professionally qualified personnel.

⚠ A faucet must be installed between the water network and the feed pipe of the device, in order to allow interruption of water flow in case you need to.

The water feed pipe of the device is located at the back in the lower part to the left. See the figure below.

Rear View



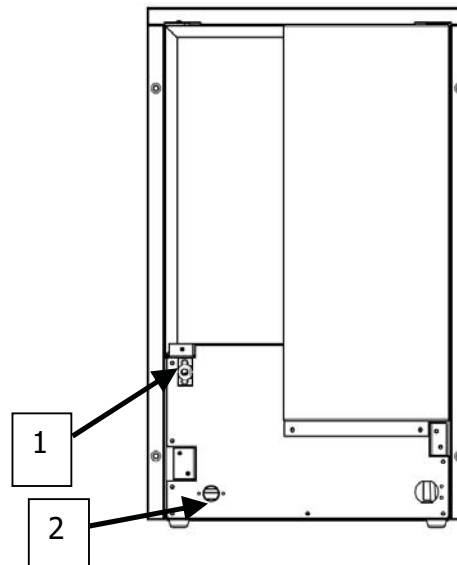
The water pressure must be contained between 1 and 6 bar. Only use cold water intended for mass consumption (drinkable tap water).

If it is not possible to install the device near a connection to the water network, it can be equipped with an outer tank, the Water Kit (optional). The tank has a capacity of 15 L and is equipped with an immersion pump supplied with the same electrical power as the ice maker.

Installing and positioning the Water Kit



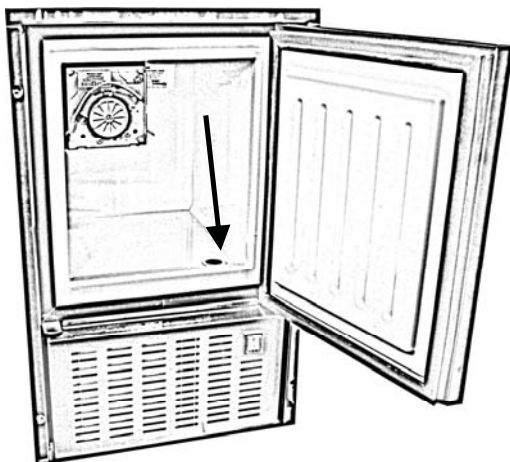
The maximum distance for the installation of the optional tank is about 1 m. The tank must be connected to the water network at the back of the device (see arrow 1 in the figure below).



If the tank is installed at a greater height than the device, it must be filled and then topped up directly via the middle blue cover.

If, instead, the tank is installed at a lower height than the ice maker, it can be connected to the grille pointed to by arrow 2 and filled directly from inside the ice maker by free drop.

Remove the ice tray/container, pull out the small cover pointed to by the arrow in the figure (below) and from here, pour water inside that will go directly in the tank that has been previously connected.

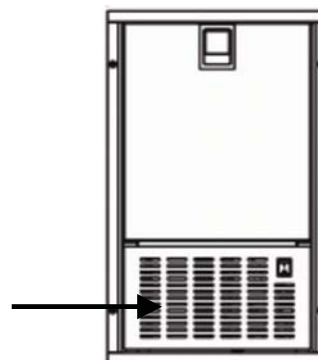


Once the container has been emptied and the block probe is lowered, the device will resume normal ice production.

Ventilation

It is extremely important that the compressor unit be adequately ventilated and that the inflow of fresh air be guaranteed at all times. Always leave the front ventilation grid free, avoiding to obstruct it with boxes, bags, etc.

Front View



In case the water supplied is especially hard, we recommend that you install a softener. The presence of solid elements (e.g. sand, etc.) can be eliminated by installing a mechanical filter which will have to be periodically inspected and cleaned.

 Never close the water supply faucet when the device is operating.

Operation

The device has a green-colored I/O switch placed on the front part. Before starting the ice Maker, check that it is properly connected to the water network or to the Water Kit (optional). Refer to the Connection to the Water Network section of this manual and make sure to use cold drinkable water only.

Check that the power supply matches product specifications. See Technical Information. Once you've turned the device on, the system will self-adjust, opening the water valve (if connected to the water network) or commanding the pump to activate (if you have the optional Water Kit). When the ice compartment is filled, a flag sensor will halt ice production.

Maintenance

The Ice Maker "White" Isotherm has a cooling system that hermetically closes, which does not require maintenance or top-up of the refrigerant fluid. The device can be left on the boat during Winter (if the temperature drops below 0°C the compressor may not start). Maintenance, not less than once a year, can be limited to the sole cleaning of dust from the condenser. Use a soft brush and no sharp instruments. Leave the inside of the refrigerator clean and dry. Leave the door of the device slightly open while it is not being used to allow adequate ventilation inside the compartment.

Cleaning the inner parts

The device has already been cleaned in the production plant. We nonetheless recommend to perform a further wash of the inner parts before use, making sure the power supply cable is disconnected.

To clean, use a common detergent for dishware or a water and vinegar solution; when finished, accurately rinse with abundant cold water and get rid of the ice produced during the first operational cycles.

We recommend that you do not use abrasive detergents or powders that can damage the finishes.

Main causes of malfunctions

In case the ice maker does not produce ice, before requesting the intervention of an Authorized Assistance Center check that:

- The water supply faucet foreseen in the installation phase is open;
- A drop in the electrical energy has not occurred, the plug is inserted in the electrical power network, and that the front I/O start switch (green) is lit.

Furthermore:

- In case of excessive noise, check that the device does not make contact with furniture or metal/steel sheets that can cause noise or vibrations;
- Check that the air and water temperature do not exceed the limit installation values

For a faster and more efficient intervention, you must precisely point out when making the call, the Model Code and the Serial Number, which can be read on the label inside the device.

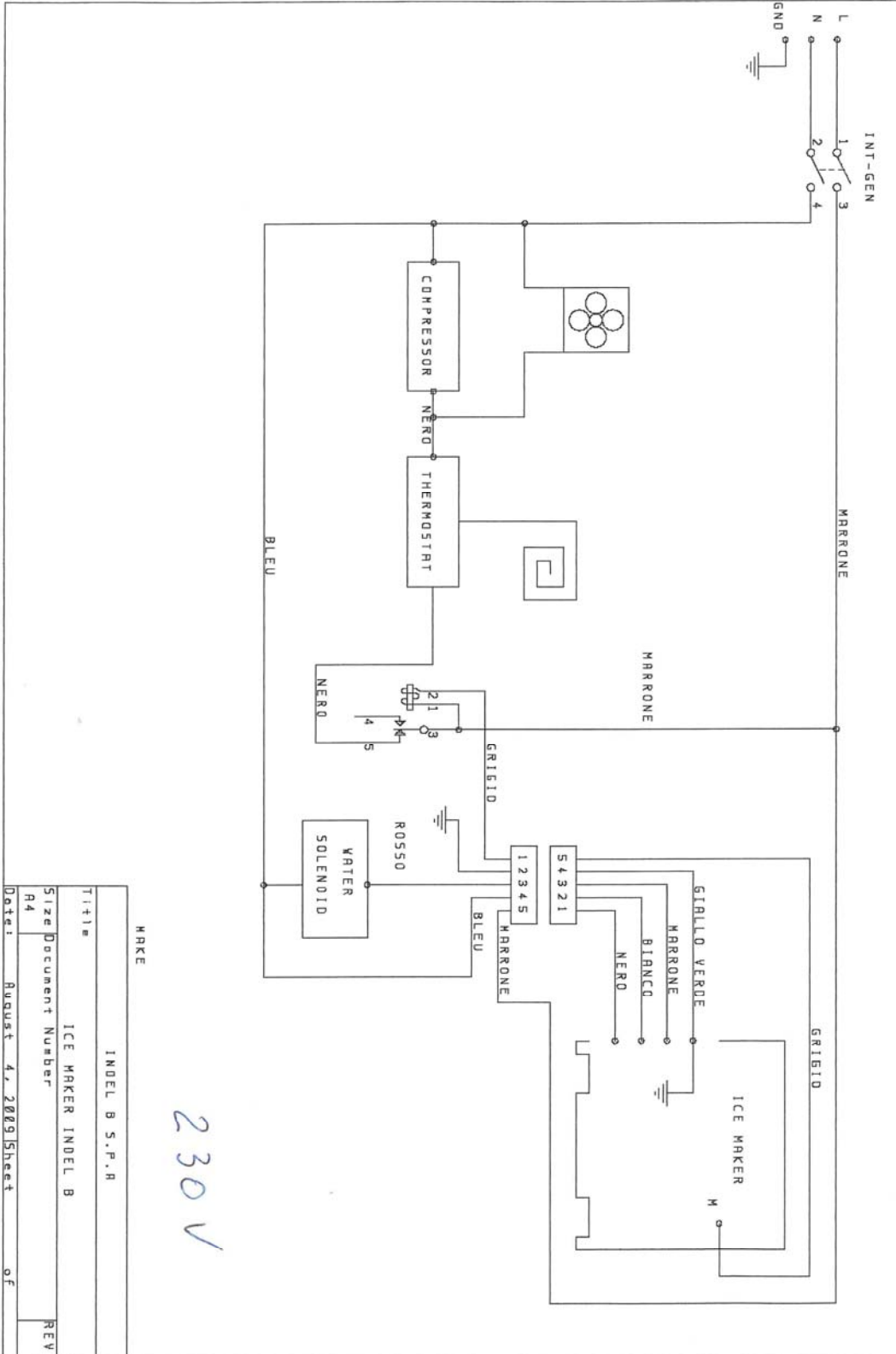
The Manufacturer does not answer for possible inaccuracies ascribable to printing or transcription errors, contained in the present Instruction Manual.

The Manufacturer reserves itself the right to make the changes to its products that it deems necessary or useful, also in the interest of the user, without compromising the essential operational and safety characteristics.

TECHNICAL INFORMATION

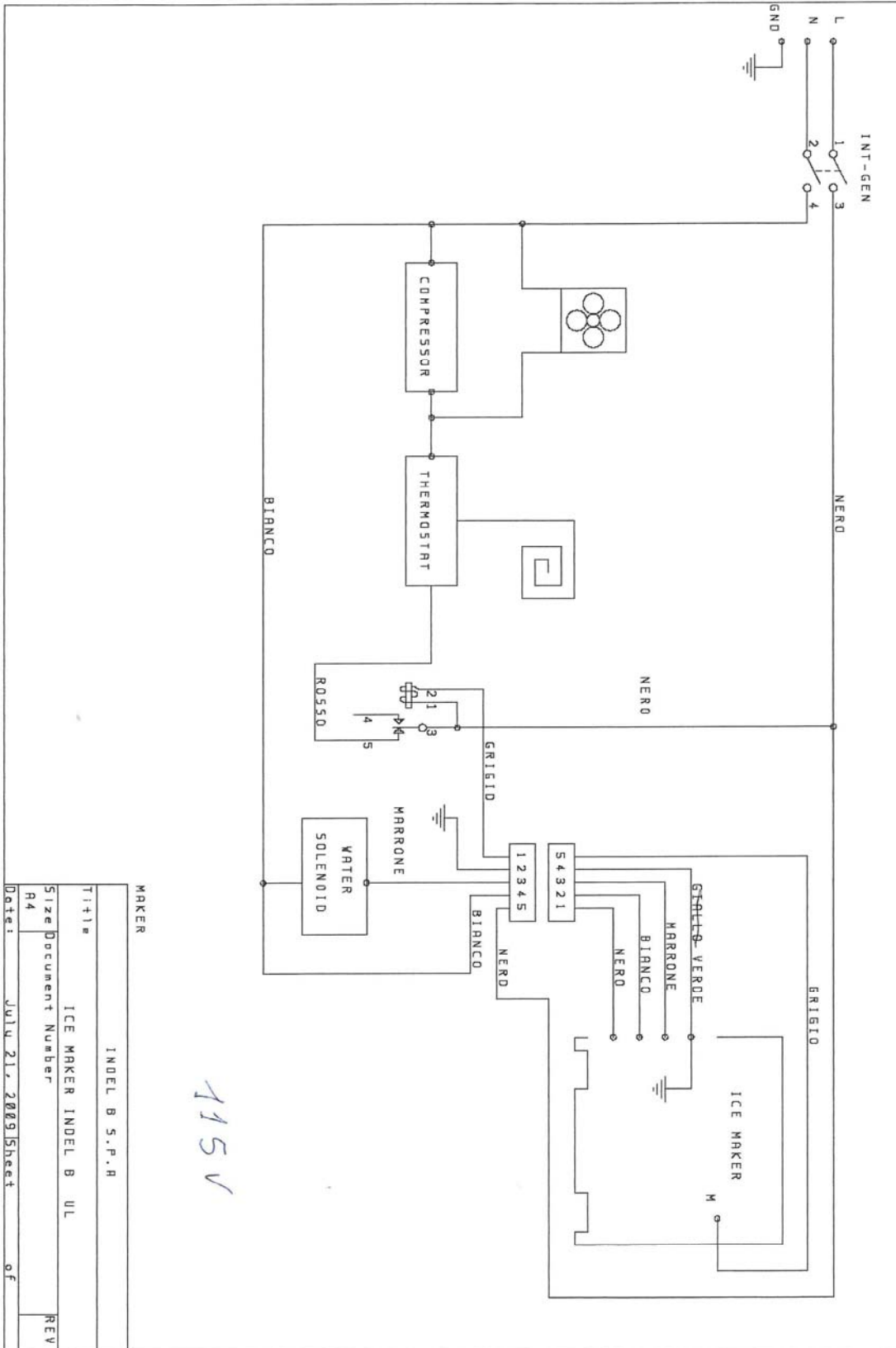
Voltage	115V/60Hz o 230V/50Hz
Max. Watt Consumption	180W (115V/230V)
Compressor Type	Danfoss TTY5F (115V) Danfoss TLES5.7FT.3 (230V)
Refrigerant	R134a, 130gr.
Ice Production	9,7Kg per 24H alla temperatura media di 25°C

Vers. 230V




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INDEL B S.P.A.	
Titolo ICE MAKER INDEL B	
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Vers. 115V



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Trouble Shooting

Problems	Reasons	Possible Issue / Check	Solution	Notes
The Ice Maker does not turn on	There is no power supply.	Check if the Plug is connected.	Connect the Plug!	
No ice	No water inside Ice Maker	Check if the water main feed line is connected and under pressure	Connect water main feed line / check water system pressure	
	Electric valve	Water electric valve is broken or blocked - disconnect the wires on the electric valve and test ohms (about 850-900 ohms for 220vac).	If ohms are in range replace the electric valve and install the pre-filtre. If ohms are different the electric valve is faulty, replace it.	
	No heat exchange	Dust on the condenser	Remove front cover and clean the condenser	
	Everything works as it should but no ice is produced	Though the ice-maker is working, the internal temperature is not low enough to produce ice (cycle starts at -15°C) Gas loss or low inside the system	Find out the gas leakage and / or refill the system.	
Ice inside the producer but not inside the ice bin.	Something wrong in Ice make cycle		Contact Service	
	Compressor is always running	The cable shown on the pictures makes the compressor stop, it could be not or wrongly installed.	Reinsert the cable in its position.	

Problems	Reasons	Possible Issue / Check	Solution	Notes
				
<p>Ice maker keeps producing ice</p>	<p>Shut off arm</p>	<p>Shut off arm is blocked/missing/wrongly positioned. Pull out from support and reinsert to full depth, move it up and down to hear it "Click"</p>	<p>If problem keeps reappearing, replace the mechanism.</p>	




Safety indications and warnings

- The device must be transported in its packaging and installed by two persons so as to prevent damages to persons or things.
- The refrigerant R134a contained in the device is ecological and not flammable
- Do not damage the cooling circuit pipes. Sprays of refrigerant liquid may cause physical damages
- Eliminate all the sources of fire and sparks near the device, remove the plug and properly ventilate the room in the event of leakage of the refrigerant liquid.
- In case of damages to the device, immediately inform the supplier before proceeding with the its connection; if the device has already been installed, proceed to disconnect it from the electrical and water supplies.
- To guarantee safe operation, install and connect the device abiding exclusively by the indications reported in the present use instructions.
- In case of faults, disconnect the device from the power supply network (never pulling the connecting cable). Remove the plug or deactivate/unscrew the fuse.
- Have the device repaired only by the Technical Assistance Service.
- If otherwise, the user may incur serious dangers. The same holds true for the replacement of cables for network connection.
- Do not store explosive materials or spray cans in the device that have a base of flammable substances, such as for example: butane, propane, pentane, etc. If they make contact with the electrical parts, the possible leakages of gas could ignite. Spray cans that contain these substances can be recognized by the flame symbol or by the data reported on the product label.
- Store beverages with a high alcohol content tightly sealed and in upright position.
- Avoid fires or sparks inside the device.
- Do not use electrical equipment inside the device (e.g. humidifiers, small stoves, ice cream makers, etc.).
- Do not use the wedges, the trays, and the doors as footboards or as supports.
- This device is not conceived for persons (also children) who have physical, sensory, or mental impairments or for persons who do not have sufficient experience and knowledge, unless they are instructed on how to use the device or supervised during the first stages by persons who respond directly for their safety.
- Monitor children, to make sure they do not play with the device.
- Avoid prolonged contact with cold surfaces or refrigerated/frozen products. This can cause pains, desensitize, and exposure. In case of prolonged contact, adopt adequate measures, e.g. use gloves.
- Do not eat food products that have expired, because they could cause intoxication.
- The electrical parts MUST NOT be exposed to rain.

GB

This appliance is marked according to the European directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE). By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product.




The symbol  on the product, or on the documents accompanying the product, indicates that this appliance may not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. Disposal must be carried out in accordance with local environmental regulations for waste disposal. For more detailed information about treatment, recovery and recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

I

Questo apparecchio è contrassegnato in conformità alla Direttiva Europea 2002/96/EC, Waste Electrical and Electronic Equipment (WEEE). Assicurandosi che questo prodotto sia smaltito in modo corretto, l'utente




contribuisce a prevenire le potenziali conseguenze negative per l'ambiente e la salute. Il simbolo  sul prodotto o sulla documentazione di accompagnamento indica che questo prodotto non deve essere trattato come rifiuto domestico ma deve essere consegnato presso l'idoneo punto di raccolta per il riciclaggio di apparecchiature elettriche ed elettroniche. Disfarsene seguendo le normative locali per lo smaltimento dei rifiuti. Per ulteriori informazioni sul trattamento, recupero e riciclaggio di questo prodotto, contattare l'idoneo ufficio locale, il servizio di raccolta dei rifiuti domestici o il negozio presso il quale il prodotto è stato acquistato.

D

In Übereinstimmung mit den Anforderungen der Europäischen Richtlinie 2002/96/EG über Elektro- und Elektronik-Altgeräte

(WEEE) ist vorliegendes Gerät mit einer Markierung versehen. Sie leisten einen positiven Beitrag für den Schutz der Umwelt und die Gesundheit des Menschen, wenn Sie dieses Gerät einer gesonderten Abfallsammlung zuführen. Im unsortierten Siedlungsmüll könnte ein solches Gerät durch unsachgemäße Entsorgung negative Konsequenzen nach sich ziehen.




Auf dem Produkt oder der beiliegenden Produktdokumentation ist folgendes Symbol  einer durchgestrichenen Abfalltonne abgebildet. Es weist darauf hin, dass eine Entsorgung im normalen Haushaltsabfall nicht zulässig ist. Entsorgen Sie dieses Produkt im Recyclinghof mit einer getrennten Sammlung für Elektro- und Elektronikgeräte. Die Entsorgung muss gemäß den örtlichen Bestimmungen zur Abfallbeseitigung erfolgen. Bitte wenden Sie sich an die zuständigen Behörden Ihrer Gemeindeverwaltung, an den lokalen Recyclinghof für Haushaltsmüll oder an den Händler, bei dem Sie dieses Gerät erworben haben, um weitere Informationen über Behandlung, Verwertung und Wiederverwendung dieses Produkts zu erhalten.

F

Cet appareil porte le symbole du recyclage conformément à la Directive Européenne 2002/96/CE concernant les Déchets d'Équipements Électriques et Électroniques (DEEE ou WEEE). En procédant correctement à la mise au rebut de cet appareil, vous contribuerez à empêcher toute conséquence nuisible pour l'environnement et la santé de l'homme.




Le symbole  présent sur l'appareil ou sur la documentation qui l'accompagne indique que ce produit ne peut en aucun cas être traité comme déchet ménager. Il doit par conséquent être remis à un centre de collecte des déchets chargé du recyclage des équipements électriques et électroniques. Pour la mise au rebut, respectez les normes relatives à l'élimination des déchets en vigueur dans le pays d'installation. Pour obtenir de plus amples détails au sujet du traitement, de la récupération et du recyclage de cet appareil, veuillez vous adresser au bureau compétent de votre commune, à la société de collecte des déchets ou directement à votre revendeur.

S

Denna produkt är märkt enligt EG-direktiv 2002/96/EEC beträffande elektriskt och elektroniskt avfall (Waste Electrical and Electronic Equipment, WEEE). Genom att säkerställa en korrekt kassering av denna produkt bidrar du till att förhindra potentiella, negativa konsekvenser för vår miljö och vår hälsa, som annars kan bli




följden om produkten inte hanteras på rätt sätt. Symbolen  på produkten, eller i medföljande dokumentation, indikerar att denna produkt inte får behandlas som vanligt hushållsavfall. Den skall i stället lämnas in på en lämplig uppsamlingsplats för återvinning av elektrisk och elektronisk utrustning. Produkten måste kasseras enligt lokala miljöbestämmelser för avfallshantering. För mer information om hantering, återvinning och återanvändning av denna produkt, var god kontakta de lokala myndigheterna, ortens sophanteringstjänst eller butiken där produkten inhandlades.

E

Este aparato lleva el marcado CE en conformidad con la Directiva 2002/96/EC del Parlamento Europeo y del Consejo sobre residuos de aparatos eléctricos y electrónicos (RAEE). La correcta eliminación de este




producto evita consecuencias negativas para el medioambiente y la salud. El símbolo  en el producto o en los documentos que se incluyen con el producto, indica que no se puede tratar como residuo doméstico. Es necesario entregarlo en un punto de recogida para reciclar aparatos eléctricos y electrónicos. Deséchelo con arreglo a las normas medioambientales para eliminación de residuos. Para obtener información más detallada sobre el tratamiento, recuperación y reciclaje de este producto, póngase en contacto con el ayuntamiento, con el servicio de eliminación de residuos urbanos o la tienda donde adquirió el producto.

NL

Dit apparaat is voorzien van het merkteken volgens de Europese richtlijn 2002/96/EG inzake Afdankte elektrische en elektronische apparaten (AEEA). Door ervoor te zorgen dat dit product op de juiste manier als afval wordt verwerkt, helpt u mogelijk negatieve consequenties voor het milieu en de menselijke gezondheid te voorkomen die anders zouden kunnen worden veroorzaakt door onjuiste verwerking van dit product als



afval. Het symbool  op het product of op de bijbehorende documentatie geeft aan dat dit product niet als huishoudelijk afval mag worden behandeld. In plaats daarvan moet het worden afgegeven bij een verzamelpunt voor recycling van elektrische en elektronische apparaten. Afdanking moet worden uitgevoerd in overeenstemming met de plaatselijke milieuvoorschriften voor afvalverwerking. Voor nadere informatie over de ehandeling, terugwinning en recycling van dit product wordt u verzocht contact op te nemen met het stadskantoor in uw woonplaats, uw afvalophaaldienst of de winkel waar u het product heeft aangeschaft.

