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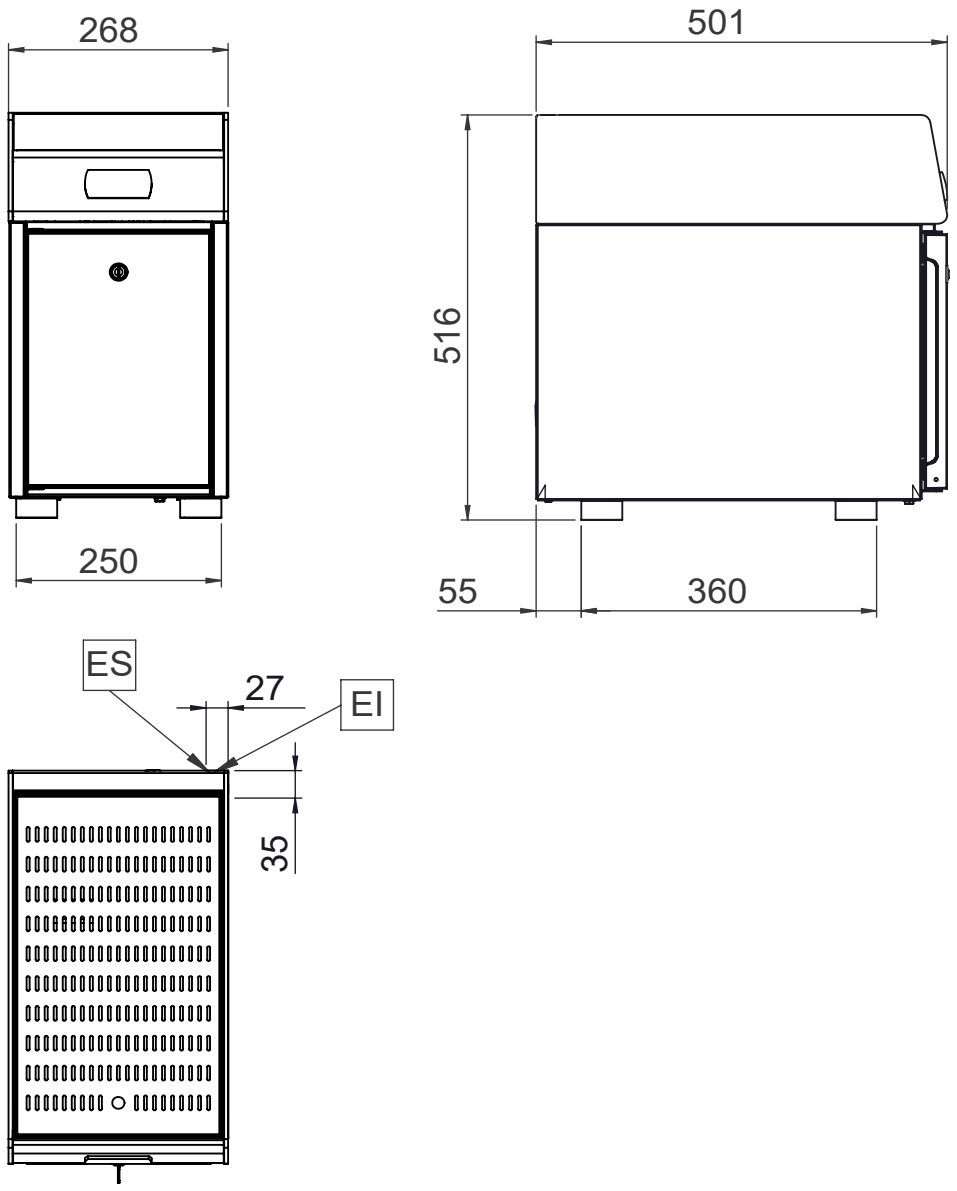


EN User manual *

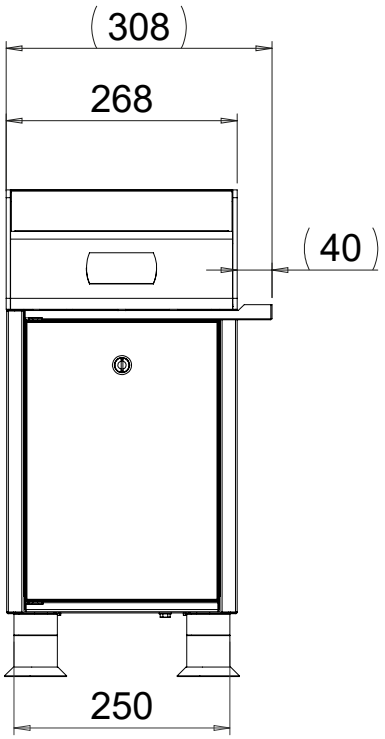
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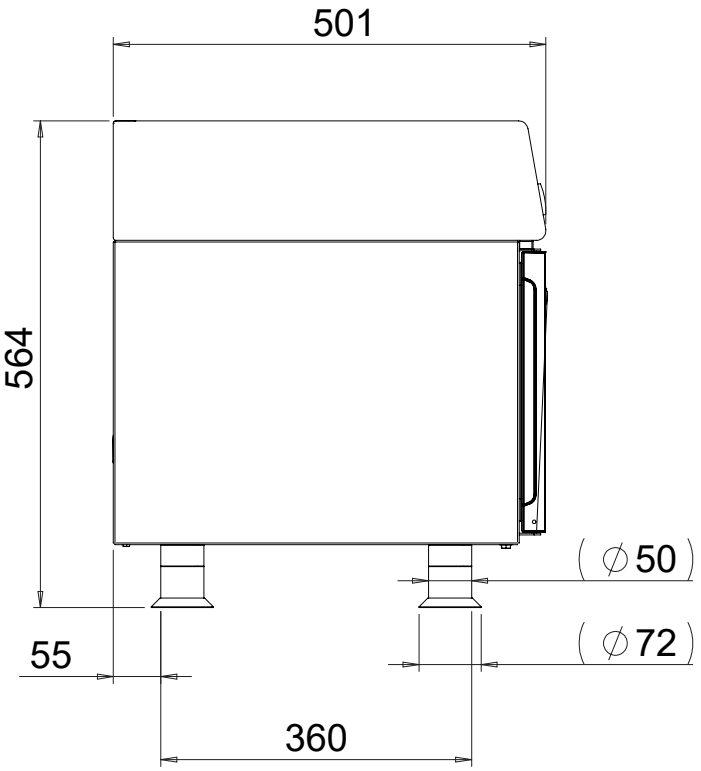
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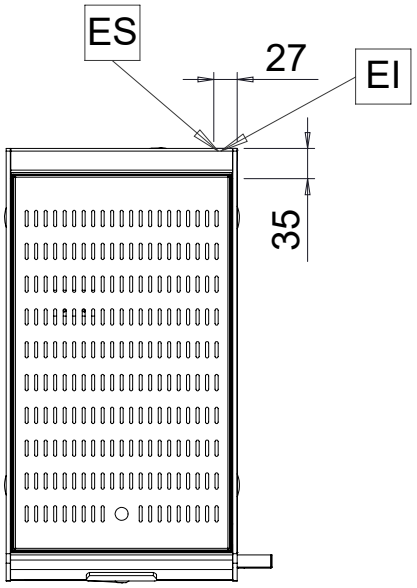
Installation diagram ***FRIGO ST 9L***



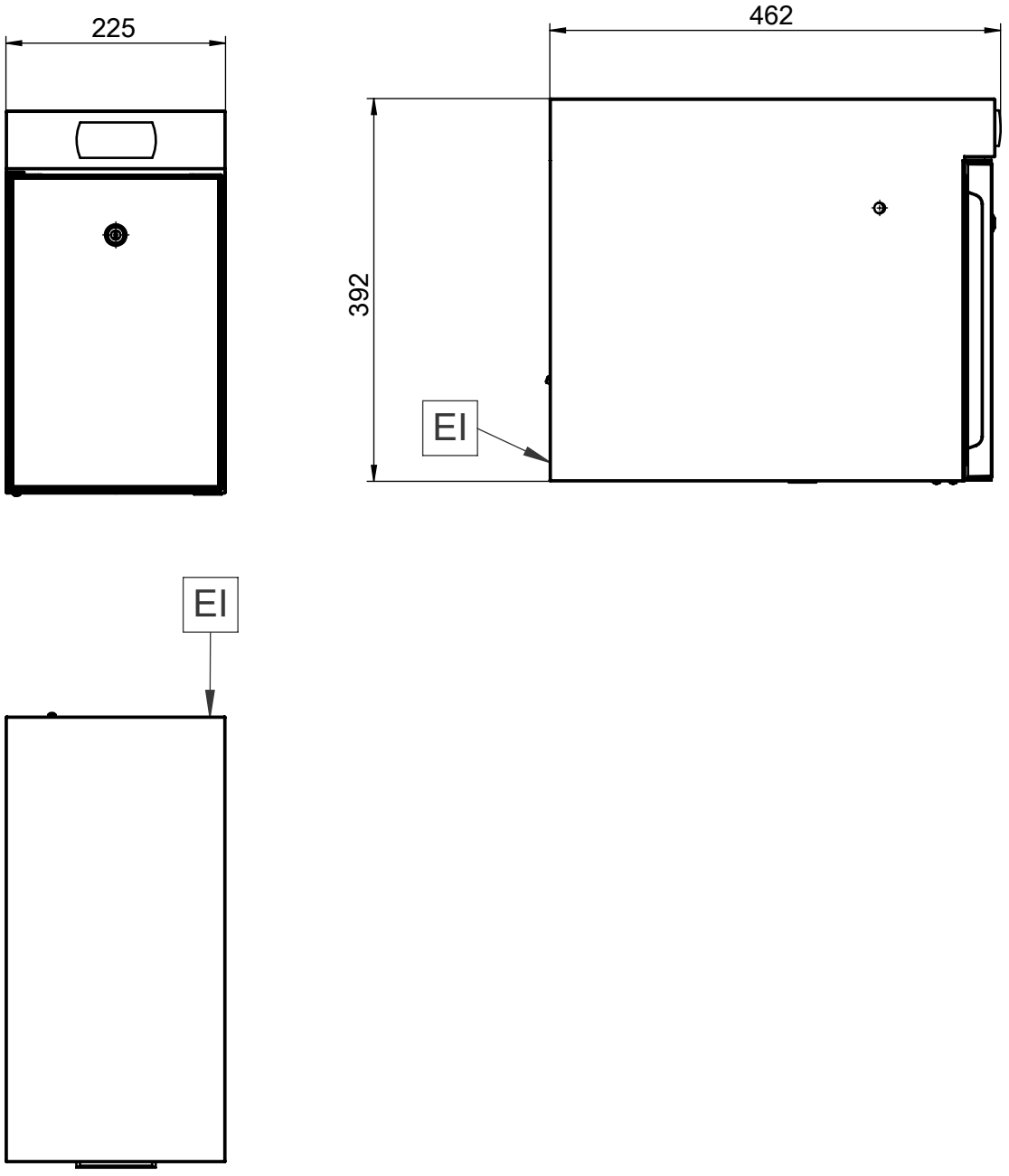
Installation diagram ***FRIGO XP 9L***



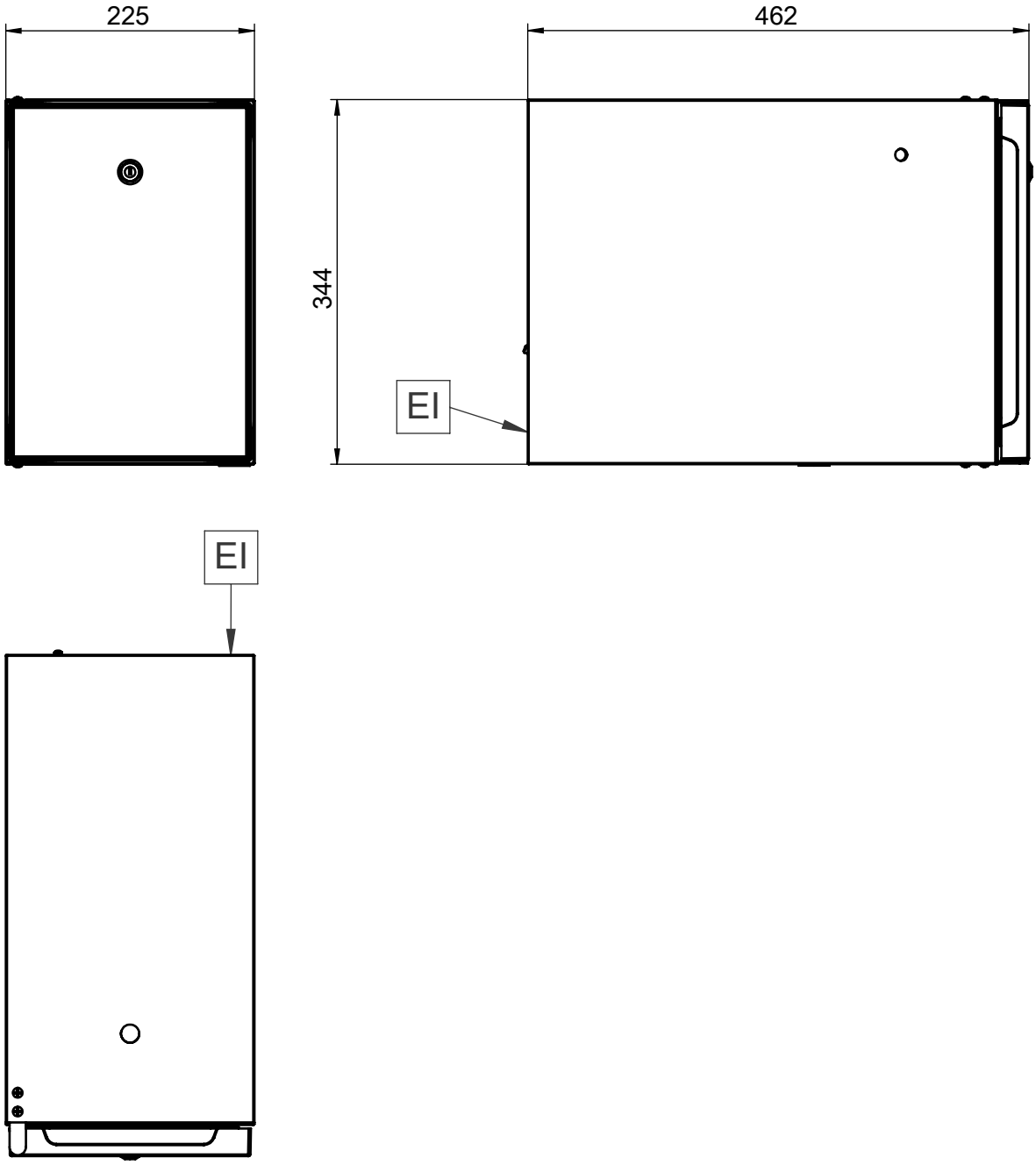




Installation diagram ***MILK FRIGO WITH DISPLAY***



Installation diagram ***MILK FRIGO WITHOUT DISPLAY***



EI = Electricity inlet

ES = Electrical supply

Foreword

Read the following instructions, including the warranty terms before installing and using the appliance.

Visit our website and open the Support section to:

Register your product

Get hints & tips of your product, service and repair information

The installation, use and maintenance manual (hereinafter Manual) provides the user with information necessary for correct and safe use of the appliance.

The following must not be considered a long and exacting list of warnings, but rather a set of instructions suitable for improving appliance performance in every respect and, above all, preventing injury to persons and animals and damage to property due to improper operating procedures.

All persons involved in appliance transport, installation, commissioning, use and maintenance, repair and disassembly must consult and carefully read this manual before carrying out the various operations, in order to avoid wrong and improper actions that could compromise the appliance's integrity or endanger people. Make sure to periodically inform the user regarding the safety regulations. It is also important to instruct and update personnel authorised to operate on the appliance, regarding its use and maintenance.

The manual must be available to operators and carefully kept in the place where the appliance is used, so that it is always at hand for consultation in case of doubts or whenever required.

If, after reading this manual, there are still doubts regarding appliance use, do not hesitate to contact the Manufacturer or the authorised Service Centre to receive prompt and precise assistance for better operation and maximum efficiency of the appliance. During all stages of appliance use, always respect the current regulations on safety, work hygiene and environmental protection. It is the user's responsibility to make sure the appliance is started and operated only in optimum conditions of safety for people, animals and property.

IMPORTANT

- The manufacturer declines any liability for operations carried out on the appliance without respecting the instructions given in this manual.
- The manufacturer reserves the right to modify the appliances presented in this publication without notice.
- No part of this manual may be reproduced.
- This manual is available in digital format by:
  - contacting the dealer or reference customer care;
  - downloading the latest and up to date manual on the web site ;
- The manual must always be kept in an easily accessed place near the appliance. Appliance operators and maintenance personnel must be able to easily find and consult it at any time.

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A SAFETY INFORMATION

A.1 General information

To ensure safe use of the appliance and a proper understanding of the manual it is necessary to be familiar with the terms and typographical conventions used in the documentation. The following symbols are used in the manual to indicate and identify the various types of hazards:



WARNING
Danger for the health and safety of operators.



WARNING
Danger of electrocution - dangerous voltage.



CAUTION
Risk of damage to the appliance or the product.



IMPORTANT
Important instructions or information on the product



Read the instructions before using the appliance



Clarifications and explanations

A.2 General safety

- The machine must not be used by people (including children) with limited physical, sensory or mental abilities or without experience and knowledge of it, unless instructed in its use and supervised by those responsible for their safety.
  - Do not let children play with the machine.
  - Keep all packaging and detergents away from children.
  - Cleaning and user maintenance shall not be made by children without supervision.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- For suitable personal protection equipment, refer to chapter “A.3 *Personal protection equipment*“.
- Several illustrations in the manual show the machine, or parts of it, without guards or with guards removed. This is purely for explanatory purposes. Do not install the machine without the guards or with the protection devices deactivated.
- Do not remove, tamper with or make illegible the safety, danger and instruction signs and labels on the machine.
- Do not remove or tamper with the machine’s safety devices.
- Before carrying out any machine installation, always consult the installation manual, which gives the correct procedures and contains important information on safety.
- Unauthorized personnel must not enter the work area.
- Remove any flammable products or items from the work area.

- Machine positioning, installation and disassembly must be carried out by the specialised personnel in conformity with the current safety regulations, regarding the equipment used and the operating procedures.

A.3 Personal protection equipment

Summary table of the Personal Protection Equipment (PPE) to be used during the various stages of the appliance's service life.

Stage	Protective garments 	Safety footwear 	Gloves 	Glasses 	Safety helmet 
Transport	—	●	○	—	○
Handling	—	●	○	—	—
Unpacking	—	●	○	—	—
Installation	○	●	○[1]	—	—
Normal use	—	○	—	—	—
Adjustments	—	○	○	—	—
Routine cleaning	—	—	○[2]	—	—
Extraordi-nary cleaning	○	●	○	○	—
Maintenance	○	●	○	○	—
Dismantling	○	●	●	○	—
Scrapping	○	●	●	○	—
Key:					
●	**PPE REQUIRED**				
○	**PPE AVAILABLE OR TO BE USED IF NECESSARY**				
—	**PPE NOT REQUIRED**				

1. During these operations, gloves must be cut-resistant. Failure to use the personal protection equipment by operators, specialized personnel or users can involve exposure to harm to health (depending on the model).
2. During these operations, gloves must be suitable for contact with chemical substances used (refer to the safety data sheet of the substances used for information regarding the required PPE). Failure to use the personal protection equipment by operators, specialized personnel or users can involve exposure to chemical risk and cause possible harm to health (depending on the model).

A.4 Transport, handling and storage

- Due to their size, the machines cannot be stacked on top of each other during transport, handling and storage; this eliminates any risks of loads tipping over due to stacking.
- Do not stand under suspended loads during loading or unloading operations. Unauthorized personnel must not enter the work area.
- The weight of the appliance alone is not sufficient to keep it steady.
- For machine lifting and anchoring, do not use movable or weak parts such as: casings, electrical raceways, pneumatic parts, etc.
- Do not push or pull the machine to move it, as it may tip over. Use proper tool to lift the machine.

- Machine transport, handling and storage personnel must be adequately instructed and trained regarding the use of lifting systems and personal protection equipment suitable for the type of operation carried out.

A.5 Installation and assembly

- The appliance is only to be installed in locations where its use and maintenance is restricted to trained personnel and overseen by trained personnel.
- Follow the installation instruction supplied with the appliance.
- Do not install a damaged appliance. Any missing or faulty parts must be replaced with original parts.
- Do not make any modifications to the parts supplied with the appliance.
- Connect the appliance to the power supply only at the end of the installation in accordance with wiring rules.
- The appliance is not suitable for installation outdoors and/or in places exposed to atmospheric agents (rain, direct sunlight, freeze, humid, water jet or splashing and dusty location, etc.).
- The appliance is not suitable for installation in an area where a water jet could be used.
- The floor where you install the appliance has to be a horizontal plane, stable, heat resistant and clean.
- Access to the service area is limited to persons with the necessary knowledge of safety and hygiene as well as practical experience of the device.
- Leave enough free space around the appliance to facilitate its use and to preform any maintenance operations.
- Before connecting the power and water supplies, check that the electrical and water network are in accordance with the technical information plate of the device.

A.6 Electrical connection

- Do not disconnect or modify the security elements in the appliance, the manufacturer is not responsible for the consequences of an inadequate using system.
- Work on the electrical systems must only be carried out by a specialised personnel.
- Make sure that the electrical information on the rating plate agrees with the power supply.
- Make sure to install the appliance in accordance with the safety regulations and local laws of the country where used.
- For Australia and New Zealand market, make sure to install the appliance in accordance with standard AS/NZS 3000.
- If the power cable is damaged it must be replaced by the Customer Care Service or in any case by specialised personnel, in order to prevent any risk.
- The appliance must be correctly earthed. The manufacturer is not responsible for the consequences of an inadequate earthing system.
- To protect the power supply of the appliance against short circuits and/or overloads, install a thermal fuse or a suitable automatic thermal magnetic circuit breaker, ADS (Automatic Disconnection of Supply).
- To protect the power supply of the appliance against current leakages, install a high-sensitivity manual reset RCD (Residual Current Device), suitable for overvoltage category III.

  For protection against indirect contacts, refer to point 6.3.3 of EN 60204-1 (IEC 60204-1) with the use of protection devices that ensure automatic cut-off of the supply in case of isolation fault in the TN or TT systems or, for IT systems, the use of isolation controllers or differential current protection devices to activate automatic power disconnection (an isolation controller must be provided for indicating a possible first earth fault of a live part, unless a protection device is supplied for switching off the power in case of a such a fault.

This device must activate an acoustic and/or visual signal which must continue for the entire duration of the fault). For example: in a TT system, a residual current device with cut-in current (e.g. 30 mA) coordinated with the earthing system of the building where the appliance is located must be installed ahead of the supply.

- The power supply must be provided with the following safety features in accordance with wiring rules : power switch which completely isolates the machine from the mains (gap between contacts of at least 3 mm), efficient earthing and an effective circuit breaker for protection against earthing leaks; section of the conductors appropriate for a power capacity.

IMPORTANT
At the end of the service or in case of prolonged absence cut off the appliance by the general switch.

A.7 Use

- This appliance is intended to be used by expert or trained users in shops, in light industry and on farms, or for commercial use by lay persons.
- The appliance must be used in room with an ambient temperature of 5°C to 30°C (41°F - 86°F).
- If it is stored at an ambient temperature below 5°C (41°F) the water circuit (boiler-piping) must be drained.
- In case of emergency (fire, surge, abnormal noise, etc. the first thing to do is to cut off the current and close the water tap.
- Beware of hot surfaces such as cup heaters, the unit heads and the hot water and steam outputs. Never install containers filled with liquid on the top of the appliance.
- Beware below the appliance, the hot surface under boilers .
- Sound pressure emission does not exceed 70 dB (A)
- In case of prolonged absence start imperatively a cleaning cycle of the appliance.
- Leave space free around and under the appliance to facilitate the cleaning.
- Keep clear of obstruction all ventilation openings in the appliance enclosure or in the structure for building-in.
- The appliance is used for coffee, the coffee bean not need special or particular temperature and duration of storage and the safety of the coffee bean do not depend upon the temperature of the appliance.
- If the appliance freezes, wait 24 hours at a minimum temperature of 10°C (50°F) before restarting the appliance. Before connecting the power and water supplies, check that the electrical and water network are in accordance with the technical information plate of the device.

List of accessories :

- Cleaning kit
- Cleaning coffee box
- Cleaning milk box
- Jug 2 liters
- Seals copper
- User Manuals

A.8 appliance cleaning and maintenance

- Refer to “A.3 *Personal protection equipment*“ for suitable personal protection equipment.

- Disconnect the appliance from the power supply before carrying out any installation procedure.
- Put the appliance in safe conditions before starting any maintenance operation. Disconnect the appliance from the power supply and carefully unplug the power supply cable, if present.
- Depending on the model and type of electric connection, during maintenance operations, the cable and plug must be kept in a visible position by the operator carrying out the work.
- Do not touch the appliance with wet hands or feet or when barefoot.
- Do not remove the safety guards.
- Respect the requirements for the various routine and extraordinary maintenance operations. Non compliance with the instructions can create risks for personnel.
- Extraordinary maintenance, checking and overhaul operations must only be carried out by a specialised personnel or the Customer Care Service, provided with suitable personal protection equipment (safety shoes and gloves), tools and ancillary means.
- Do not clean the appliance with jets of water.

Repair and extraordinary maintenance

- Repair and extraordinary maintenance have to be carried out by specialised authorised personnel. The manufacturer declines any liability for any failure or damage caused by the intervention of an unauthorized technician by the Manufacturer and the original manufacturer warranty will be invalidated.
- The appliance should be descaled only by a specialised personnel.
- Do not forget to regenerate your water softener periodically.

A.9 Safety information for refrigerator

⚠ **WARNING**
To be repaired only by trained service personnel. Do not puncture refrigerant tubing

⚠ **WARNING**
Consult repair manual/owner’s guide before attempting to service this product. all safety precautions must be followed

⚠ **WARNING**
Dispose of properly in accordance with federal or local regulations. Flammable refrigerant used

⚠ **WARNING**
Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance

⚠ **WARNING**
Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer

⚠ **WARNING**
Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer

CAUTION


Risk of fire or explosion. Flammable refrigerant used

See chapter F.4 *Climatic Class* for explanation of Climatic Class

A.10 Service

- Only original spare parts can ensure the safety standards of the appliance.

A.11 Disposal of packing

- Dispose of each packaging items respecting the current regulation in the country of installation.

A.12 Machine disposal

- Work on the electrical equipment must only be carried out by a specialised personnel, with the power supply disconnected.
- Dismantling operations must be carried out by specialised personnel.
- Make the appliance unusable by removing the power cable and any compartment closing devices, to prevent the possibility of someone becoming trapped inside.
- Refer to “A.3 *Personal protection equipment*“ for suitable personal protection equipment.
- When scrapping the machine, the “CE“ marking, this manual and other documents concerning the appliance must be destroyed.

IMPORTANT

Save these instructions carefully for further consultation by the various operators.

B DAILY CLEANING

NOTE!
For more information about see the main manual of the appliance

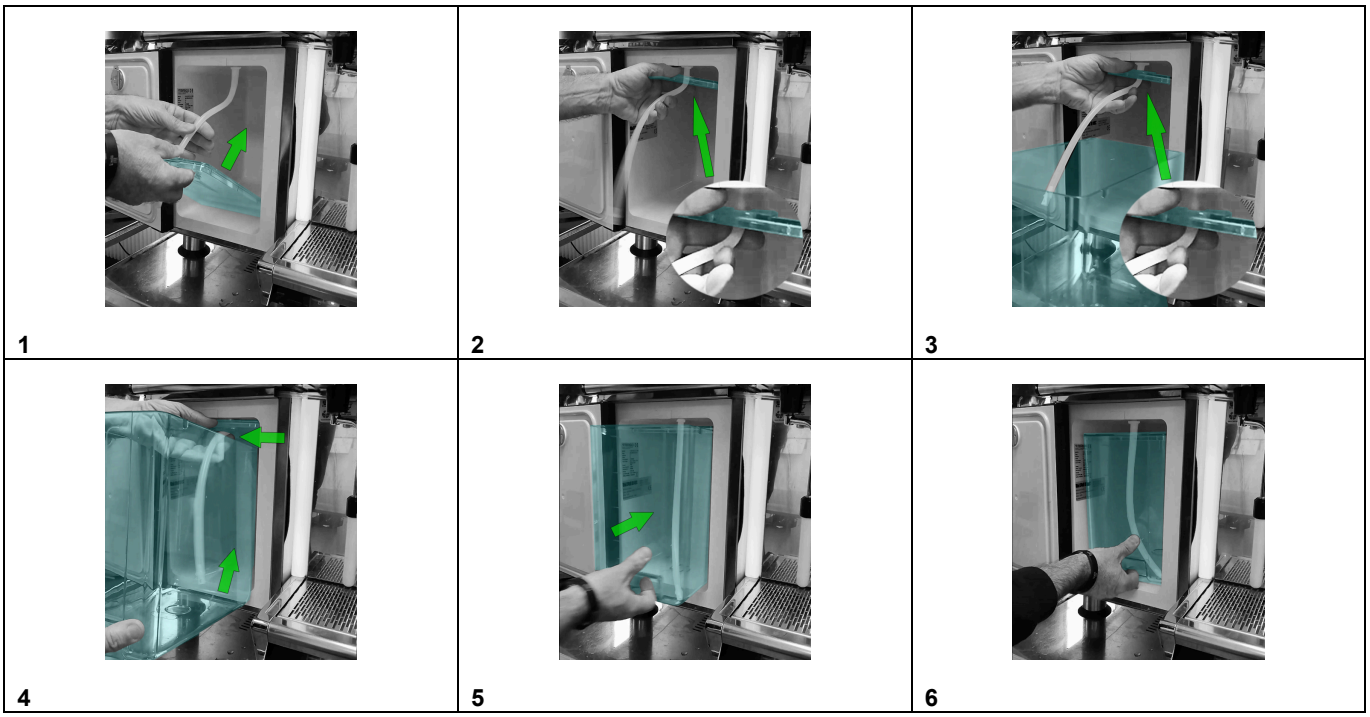
B.1 Cleaning and maintenance

B.1.1 Cleaning of module

Before cleaning or carrying out any maintenance operation on the refrigerator, be sure to disconnect it from the power supply. The outside of the refrigerator (plastic coated steel) can be washed first with warm water and then rinsed in cold water and dried with a soft cloth. Do not use abrasive products. To clean the inside of the refrigerator, after removing any containers of milk or similar liquids for human consumption, wipe with warm water and if necessary, a little vinegar to remove any grease. Rinse with clean water and dry with a soft cloth. Never use abrasive products, detergents or soap. It is also advisable to make sure that the air-cooled condenser of the refrigerating unit at the back of the appliance is clean. If it is particularly clogged with dust, this should be removed using a vacuum cleaner. In case of a prolonged period of disuse, we advise you to disconnect the refrigerator from the power supply, empty it completely, clean it and leave the door slightly open to prevent the formation of mould and/or unpleasant odours.

B.1.2 Milk tray positioning procedure

NOTE!
Only for FRIGO ST 9L & FRIGO XP 9L



C MAINTENANCE

C.1 Machine disposal

At the end of the product's life cycle, make sure the equipment is not dispersed in the environment. The equipment must be disposed of in compliance with current regulations in the country of use.

All metal parts are in stainless steel (AISI 304) and removable. Plastic parts are marked with the letters of the material.

The symbol on the product indicates that this product should not be treated as domestic waste, but must be correctly disposed of in order to prevent possible negative consequences for the environment and the human health.

Regarding the recycling of this product, please contact the sales agent or dealer of your product, your Customer Care service or the appropriate waste disposal service.

Risk of fire or explosion. Flammable refrigerant used

D WARRANTY TERMS AND EXCLUSIONS

If the purchase of this product includes warranty coverage, warranty is provided in line with local regulations and subject to the product being installed and used for the purposes as designed, and as described within the appropriate equipment documentation.

Warranty will be applicable where the customer has used only genuine spare parts and has performed maintenance in accordance with Electrolux Professional user and maintenance documentation made available in paper or electronic format.

Electrolux Professional strongly recommends using Electrolux Professional approved cleaning, rinse and descaling agents to obtain optimal results and maintain product efficiency over time.

The Electrolux Professional warranty does not cover:

- service trips cost to deliver and pick up the product;
- installation;
- training on how to use/operate;

- replacement (and/or supply) of wear and tear parts unless resulting from defects in materials or workmanship reported within one (1) week from the failure;
- correction of external wiring;
- correction of unauthorized repairs as well as any damages, failures and inefficiencies caused by and/or resulting from;
  - insufficient and/or abnormal capacity of the electrical systems (current/voltage/frequency, including spikes and/or outages);
  - inadequate or interrupted water supply, steam, air, gas (including impurities and/or other that does not comply with the technical requirements for each appliance);
  - plumbing parts, components or consumable cleaning products that are not approved by the manufacturer;
  - customer's negligence, misuse, abuse and/or non-compliance with the use and care instructions detailed within the appropriate equipment documentation;
  - improper or poor: installation, repair, maintenance (including tampering, modifications and repairs carried out by third parties not authorized) and modification of safety systems;
  - Use of non-original components (e. g.: consumables, wear and tear, or spare parts);
  - environment conditions provoking thermal (e. g. overheating/freezing) or chemical (e. g. corrosion/oxidation) stress;
  - foreign objects placed in- or connected to- the product;
  - accidents or force majeure;
  - transportation and handling, including scratches, dents, chips, and/or other damage to the finish of the product, unless such damage results from defects in materials or workmanship and is reported within one (1) week of delivery unless otherwise agreed;
- product with original serial numbers that have been removed, altered or cannot be readily determined;
- replacement of light bulbs, filters or any consumable parts;
- any accessories and software not approved or specified by Electrolux Professional.

Electrolux Professional warranty will be void and manufacturer shall have no liability related thereto in case of any modification of the product or related hardware/software/programming.

Warranty does not include scheduled maintenance activities (including the parts required for it) or the supply of cleaning agents unless specifically covered within any local agreement, subject to local terms and conditions.

Check on Electrolux Professional website the list of authorized customer care.

E GENERAL SAFETY RULES

E.1 Introduction

The machines are provided with electric and/or mechanical safety devices for protecting workers and the machine itself.

Therefore the user must not remove or tamper with such devices. The Manufacturer declines any liability for damage due to tampering or their non-use.

E.2 Mechanical safety characteristics, hazards

The machine does not have sharp edges or protruding parts. The guards for the moving and live parts are fixed to the cabinet with screws, to prevent accidental access.

E.3 Protection devices installed on the machine

The guards on the machine are (e.g. side panels, rear, covers, etc.) fixed to the machine and/or frame with screws that can only be removed or opened with tools;

The machine has a main switch that acts as an emergency switch.

E.4 Safety signs to be placed on the appliance or near its area

Prohibition	Meaning
	do not oil, lubricate, repair and adjust moving parts
	do not remove the safety devices
	do not use water to extinguish fires (placed on electrical parts)

Danger	Meaning
	caution, hot surface
	danger of electrocution (shown on electrical parts with indication of voltage)

E.5 Instructions for use and maintenance

Risks mainly of a mechanical, thermal and electrical nature exist in the appliance. Where possible the risks have been neutralised:

- directly, by means of adequate design solutions.
- indirectly by using guards, protection and safety devices.

Any anomalous situations are signalled on the control panel display.

During maintenance several risks remain, as these could not be eliminated, and must be neutralised by adopting specific measures and precautions.

Do not carry out any checking, cleaning, repair or maintenance operations on moving parts. Workers must be informed of this prohibition by means of clearly visible signs.

To guarantee appliance efficiency and correct operation, periodical maintenance must be carried out according to the instructions given in this manual.

Make sure to periodically check correct operation of all the safety devices and the insulation of electrical cables, which must be replaced if damaged.

E.6 Reasonably foreseeable improper use

Improper use is any use different from that specified in this manual. During appliance operation, other types of work or activities deemed improper and that in general can involve risks for the safety of operators and damage to the appliance are not allowed. Reasonably foreseeable improper use includes:

- lack of appliance maintenance, cleaning and periodical checks;

- structural changes or modifications to the operating logic;
- tampering with the guards or safety devices;
- failure to use personal protection equipment by operators, specialised personnel and maintenance personnel;
- failure to use suitable accessories (e.g. use of unsuitable equipment or ladders);
- keeping combustible or flammable materials, or in any case materials not compatible with or pertinent to the work, near the appliance;
- wrong appliance installation;
- placing in the appliance any objects or things not compatible with its use, or that can damage the appliance, cause injury or pollute the environment;
- climbing on the appliance;
- non-compliance with the requirements for correct appliance use;
- other actions that give rise to risks not eliminable by the Manufacturer.

E.7 End of use

When the appliance is no longer to be used, make it unusable by removing the mains power supply wiring.

E.8 Residual risks

The appliance has several risks that were not completely eliminated from a design standpoint or with the installation of adequate protection devices. Nevertheless, through this manual the Manufacturer has taken steps to inform operators of such risks, carefully indicating the personal protection equipment to be used by them. In order to reduce the risks, provide for sufficient spaces while installing the unit. To preserve these conditions, the areas around the appliance must always be:

- kept free of obstacles (e.g. ladders, tools, containers, boxes, etc.);
- clean and dry;
- well lit.

For the Customer's complete information, the residual risks remaining on the appliance are indicated below: such situations are deemed improper and therefore strictly forbidden.

Residual risk	Description of hazardous situation
Slipping or falling	The operator can slip due to water or dirt on the floor
Burns/abrasions (e.g. heating elements, cold pan, cooling circuit plates and pipes)	The operator deliberately or unintentionally touches some components inside the appliance without using protective gloves.
Stab wounds	The operator deliberately or unintentionally touches some components with sharp edges during the appliance cleaning without using protective gloves.
Burns	The operator deliberately or unintentionally touches some components inside the appliance or dishes at the outfeed without using gloves or without allowing them to cool.
Shearing of upper limbs	The operator violently closes the front panels.
Electrocution	Contact with live parts during maintenance operations carried out with the electrical panel powered
Crushing or injury	The specialised personnel may not correctly fix the control panel when accessing the technical compartment. The panel could close suddenly.
Chemical	Contact with chemical substances (e.g. detergent, rinse aid, scale remover, etc.) without taking adequate safety precautions. Therefore always refer to the safety cards and labels on the products used.

IMPORTANT
In case of a significant anomaly (e.g. short circuits, wires coming out of the terminal block, motor breakdowns, worn electrical cable sheathing, etc.) the operator must immediately deactivate the appliance.

F GENERAL INFORMATION

F.1 Introduction

This manual contains information relevant to various appliances. The product images in this guide are only an example.

The drawings and diagrams given in the manual are not in scale. They supplement the written information with an outline, but are not intended to be a detailed representation of the appliance supplied.

The numerical values given on the appliance installation diagrams refer to measurements in millimeters and/or inches.

F.2 Definitions

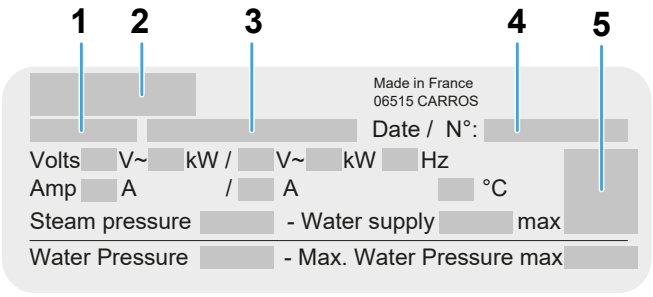
Listed below are the definitions of the main terms used in the manual. It is advisable to read them carefully before use.

Operator	appliance installation, adjustment, use, maintenance, cleaning, repair and transport personnel.
Manufacturer	Electrolux Professionnel SAS or any other service centre authorised by Electrolux Professionnel SAS.
Operator for normal appliance use	an operator who has been informed and trained regarding the tasks and hazards involved in normal appliance use.
Customer Care service or specialised personnel	an operator instructed/trained by the Manufacturer and who, based on his professional and specific training, experience and knowledge of the accident-prevention regulations, is able to appraise the operations to be carried out on the appliance and recognise and prevent any risks. His professionalism covers the mechanical, electrotechnical and electronics fields etc.
Danger	source of possible injury or harm to health.
Hazardous situation	any situation where an operator is exposed to one or more hazards.
Risk	a combination of probabilities and risks of injury or harm to health in a hazardous situation.
Protection devices	safety measures consisting of the use of specific technical means (guards and safety devices) for protecting operators against risks.
Guard	an element of a appliance used in a specific way to provide protection by means of a physical barrier.
Safety device	a device (other than a guard) that eliminates or reduces the risk; it can be used alone or in combination with a guard.

Customer	the person who purchased the appliance and/or who manages and uses it (e. g. company, entrepreneur, firm).
Electrocution	an accidental discharge of electric current on a human body.

F.3 Machine and manufacturer's identification data

An example of the marking or data plate on the machine is given below:



The data plate gives the product identification and technical data. The meaning of the various information given on it is listed below:

1. FRIGO ST 9L	commercial description
2. Logo	Brand of the appliance
3. PNC	product number code
4. Date / N°	serial number
Volts (V)	power supply voltage (monophase and/or triphase)
Hz	power supply frequency
Amp (A)	electrical intensity
kW	max power input
Steam pressure (MPa)	boiler pressure
Temperature (°C)	boiler temperature
Water pressure (MPa)	water network pressure
Water pressure max (MPa)	max water network pressure
CE	CE marking
Usine de Carros, Z.I. 4ème rue 06510 CARROS, France	manufacturer

IMPORTANT
When installing the machine, make sure the electrical connection is carried out in compliance with that specified on the data plate.

NOTE!
Refer to the data given on the machine's data plate for relations with the Manufacturer (e.g. when ordering spare parts, etc.).

F.4 Climatic Class

The climatic class given on the data plate refers to the following values:

Designation	Climatic class	Temperature Range
N	Normal	+16°C [60.8°F] / +32°C [89.6°F]
SN	Subnormal	+10°C [50°F] / +32°C [89.6°F]
ST	Subtropical	+18°C [64.4°F] / +38°C [100.4°F]
T	Tropical	+18°C [64.4°F] / +43°C [109.4°F]
N-ST	Alternate class	+16°C [60.8°F] / +38°C [100.4°F]
N-T		+16°C [60.8°F] / +43°C [109.4°F]
SN-T		+10°C [50°F] / +43°C [109.4°F]
SN-ST		+10°C [50°F] / +38°C [100.4°F]

Climatic Class 3	Ambient temperature of 25°C [70°F] with 60% RH [relative humidity]
Climatic Class 4	Ambient temperature of 30°C [86°F] with 55% RH [relative humidity]
Climatic Class 5	Ambient temperature of 40°C [104°F] with 40% RH [relative humidity]

F.5 Responsibility

The Manufacturer declines any liability for damage and malfunctioning caused by:

- non-compliance with the instructions contained in this manual;
- repairs not carried out in a workmanlike fashion, and replacements with parts different from those specified in the spare parts catalogue (the fitting and use of non-original spare parts and accessories can negatively affect appliance operation and invalidates the original manufacturer warranty);
- operations carried out by non-specialised personnel;
- unauthorized modifications or operations;
- missing, lack or inadequate maintenance;
- improper appliance use;
- unforeseeable extraordinary events;
- use of the appliance by uninformed and / or untrained personnel;
- non-application of the current provisions in the country of use, concerning safety, hygiene and health in the workplace.

The Manufacturer declines any liability for damage caused by arbitrary modifications and conversions carried out by the user or the Customer.

The employer, workplace manager or service technician are responsible for identifying and choosing adequate and suitable personal protection equipment to be worn by operators, in compliance with regulations in force in the country of use.

The Manufacturer declines any liability for inaccuracies contained in the manual, if due to printing or translation errors.

Any supplements to the installation, use and maintenance manual the Customer receives from the Manufacturer will form an integral part of the manual and therefore must be kept together with it.

F.6 Copyright

This manual is intended solely for consultation by the operator and can only be given to third parties with the permission of Electrolux Professionnel SAS.

F.7 Keeping the manual

The manual must be carefully kept for the entire life of the appliance, until scrapping. The manual must stay with the appliance in case of transfer, sale, hire, granting of use or leasing.

F.8 Recipients of the manual

This manual is intended for:

- the employer of machine users and the workplace manager
- operators for normal machine use

- specialised technicians - Customer Care service (see service manual).

G NORMAL USE

G.1 Characteristics of personnel enabled to operate on the appliance

The Customer must make sure the personnel for normal appliance use are adequately trained and skilled in their duties.

The operator must:

- read and understand the manual;
- receive adequate training and instruction for their duties in order to operate safely;
- receive specific training for correct appliance use.

IMPORTANT
The Customer must make sure his personnel have understood the instructions received and in particular those regarding work hygiene and safety in use of the appliance.

G.2 Basic requirements for appliance use

- Knowledge of the technology and specific experience in operating the appliance.
- Adequate general basic education and technical knowledge for reading and understanding the contents of the manual, including correct interpretation of the drawings, signs and pictograms.
- Sufficient technical knowledge for safely performing his duties as specified in the manual.
- Knowledge of the regulations on work hygiene and safety.

H TECHNICAL CHARACTERISTICS

H.1 DATA TABLE

H.1.1 FRIGO ST 9L

Specificities	Dimensions
Compressor electrical regulation Contact temperature of the liquid Liquid level probe (triggered at <1.2 liter) 9 liters container capacity Weight 25 kg [55 oz]	Outer (width * Length * height) 267 mm [10.5″] x 500 mm [19.6″] x 516 mm [20.3″] Inner (width * Length * height) 168 mm [6.6″] x 277 mm [10.9″] x 275 mm [10.8″]

H.1.2 FRIGO XP 9L

Specificities	Dimensions
Compressor electrical regulation Contact temperature of the liquid Liquid level probe (triggered at <1.2 liter) 9 liters container capacity Weight 25 kg [55 oz]	Outer (width * Length * height) 267 mm [10.5″] x 500 mm [19.6″] x 564 mm [22.2″] Inner (width * Length * height) 168 mm [6.6″] x 277 mm [10.9″] x 275 mm [10.8″]

H.1.3 MILK FRIGO WITH DISPLAY

Specificities	Dimensions
Compressor electrical regulation Contact temperature of the liquid Liquid level probe (triggered at <1.2 liter) 4 liters container capacity Weight 14 kg [30.8 oz]	Outer (width * Length * height) 225 mm [8.8″] x 462 mm [18.2″] x 392 mm [15.4″] Inner (width * Length * height) 168 mm [6.6″] x 165 mm [6.5″] x 275 mm [10.8″]

H.1.4 MILK FRIGO WITHOUT DISPLAY

Specificities	Dimensions
Compressor mechanical regulation 4 liters container capacity Weight 12 kg [26.5 oz]	Outer (width * Length * height) 225 mm [8.8″] x 462 mm [18.2″] x 344 mm [13.5″] Inner (width * Length * height) 168 mm [6.6″] x 165 mm [6.5″] x 275 mm [10.8″]

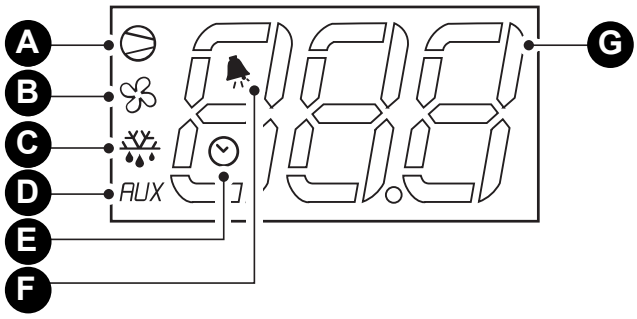
I OPERATING

I.1 Only for refrigerator with display

I.1.1 Description display & keyboard

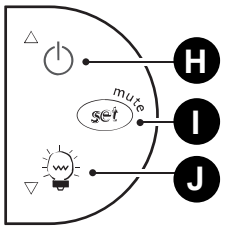
A. Compressor indicator
B. Fan
C. Defrosting
D. Auxiliary output (AUX)
E. Clock (RTC)
F. Alarm
G. Numbers

Display



H.Press 3s, to switch ON/OFF
I. Press <1s : cancel sound alarm
Press =1s : temperature setting
Press 3s : access programming parameters
J. Press 1s : Turn ON/OFF heats cups

Keyboard



I.1.2 Normal use

I.1.2.1 Temperature setting

From 3.5°C [38.3°F] to 8°C [46.4°F]

- Press during 1s on SET button, after a few moments, the programmed value flashes
- Increase or decrease the value with UP button or DOWN button
- Press on SET button to confirm the new value



I.1.2.2 Main alarm A5

Main alarm A5 = Indication empty container and / or missing container



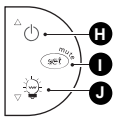
I.1.3 Main settings

Parameter navigation

The operating parameters, modifiable through the front keypad, the access is protected by a password (default = 22) which prevents accidental changes by unauthorized persons

Access to parameters

- press the SET key Ⓘ for 3s (in case of alarm, cancel the buzzer). On the screen appears the code of the parameter 'PS' (password)
- confirm by pressing the SET key Ⓘ, to enter the password, scroll with UP Ⓗ and DOWN Ⓙ (default = 22), then confirm with SET Ⓘ
- use the UP Ⓗ and DOWN Ⓙ keys to scroll through the parameters
- press SET Ⓘ to display the value associated with the parameter
- increase or decrease the value with the UP Ⓗ and DOWN Ⓙ keys respectively
- press SET Ⓘ to temporarily save the new value and return to the parameter display
- repeat the procedure for the other parameters that you wish to modify
- press the SET Ⓘ key for 3s to permanently save the parameters and exit the modification procedure



Main parameters:

/5 = selection °C/°F	/C1 = offset temperature probe	H4 = Disabling the buzzer	A4 = Disabling presence sensor
			

CE

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