

300L



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Version: 2.0

Date of preparation: **2023-05-26**

Original instruction manual

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Read this instruction manual before using and keep it available at all times!

This instruction manual contains information about installation, operation and maintenance of the appliance and constitutes an important source of information and reference guide. The knowledge of all operational and safety instructions included in this manual is a prerequisite for safe and proper handling of the appliance. Additionally, accident prevention, occupational health and safety, and legal regulations in force in the area the appliance is used apply.

Before you start using the appliance, especially before turning it on, read this instruction manual in order to avoid personal injuries and property damages. Improper use may cause damage.

This instruction manual forms an integral part of the product and must be stored in an immediate vicinity of the appliance and be available at all times. The instruction manual should be transferred together with the appliance.

1 Safety

This appliance has been manufactured in accordance with technical standards currently in force. However, the appliance may be a source of hazards if used improperly or contrary to its intended purpose. All persons using the appliance must consider information included in this instruction manual and observe safety instructions.

1.1 Explanation of Signal Words

Important safety instructions and warning information are indicated in this instruction manual with appropriate signal words. You must strictly follow the instructions, to prevent accidents, personal injuries and property damages.



DANGER!

The signal word **DANGER** warns against hazards that lead to severe injuries or death if the hazards are not avoided.



WARNING!

The signal word **WARNING** warns against hazards that may lead to moderate or severe injuries or death if the hazards are not avoided.



CAUTION!

The signal word **CAUTION** warns against hazards that may lead to light or moderate injuries if the hazards are not avoided.

IMPORTANT!

The signal word **IMPORTANT** indicates possible property damages, which may occur if safety instructions are not observed.

NOTE!

The symbol **NOTE** indicates subsequent information and guidelines for the user on usage of the appliance.

1.2 Safety instructions

Electrical Current

- Too high a mains voltage or incorrect installation may cause electric shock.
- The appliance may be connected only if data on the rating plate correspond with the mains voltage.
- To avoid short-circuit, the appliance should be kept dry.
- If there are malfunctions during operation, disconnect the appliance from the power supply.
- Do not touch the appliance's plug with wet hands.
- Never take hold of the appliance if it has fallen into water. Immediately disconnect the appliance from the power supply.
- Any repairs or housing opening may be carried out by professionals and relevant workshops only.
- Do not transport the appliance, holding it by the power cord.
- Do not allow the power cord to come into contact with heat sources or sharp edges.
- Do not bend, pinch nor knot the power cord.

- Always completely unwind the power cord.
- Never place the appliance or other objects on the power cord.
- Always take hold of the plug to disconnect the appliance from the power supply.
- Check the power cord regularly for damage. Do not use the appliance if the power cord is damaged. If this cable is damaged, it must be replaced by customer service or a qualified electrician in order to avoid dangers.

Fire hazard / flammable materials hazard / explosion hazard!

- Do not use any electric devices in the appliance.
- Do not store nor use petrol or other flammable liquids and gases in the vicinity of this or any other appliance. Those gases may cause fire or explosion hazard.
- Do not put into the appliance any explosive materials, like sprays filled with flammable propellants. Contents of containers filled with flammable gases and liquids may leak in low temperatures, and the contents may catch fire from sparks generated by an electric appliance. Explosion hazard!
- In the case of coolant leakage, pull the plug from the socket. Remove all sources of ignition in the vicinity, ventilate room and contact technical service. Avoid coolant getting in contact with eyes, as it may cause serious eye damage.
- Never use any flammable liquids for cleaning the appliance or its parts. Gases released may cause fire or explosion hazard.
- In the case of fire, disconnect the appliance from the power supply before attempting adequate fire-extinguishing actions.
- Never attempt to extinguish fire with water if the appliance is connected to the power supply. Following extinction of fire, ensure sufficient fresh air inflow.
- Defrosting process may not be sped up with mechanical means or heat energy sources (candles or heaters) nor with any other means. Vapour produced may cause short-circuit and too high temperatures may damage the appliance.
- All ventilation slots should not be obstructed during operation.
- Never attempt to damage cooling installation of the appliance.

Safety

Operating personnel

- This appliance is not intended to be used by persons (including children) with limited physical, sensory or mental capabilities, nor by persons with limited experience and/or limited knowledge.
- Children should be supervised to ensure that they are not playing with or switching the appliance on.
- Children aged 3 to 8 may load and unload the refrigerator.

Improper Use

- Unintended or prohibited use may cause damage to the appliance.
- The appliance may only be used when its technical condition is flawless and allows for safe operation.
- The appliance may only be used when all connections are executed according to rules of law in force.
- The appliance may only be used when it is clean.
- Use only original spare parts. Never attempt to repair the appliance on your own.
- Do not introduce any changes in the appliance nor modify it.
- Do not drill hole in the appliance nor install any objects on it.
- Do not place any heavy objects on the appliance.

1.3 Intended Use

As described below, every use of the appliance for a purpose differing and/or diverging from its intended standard use, is prohibited and considered to be an unintended use.

The following is an intended use:

- Storing ice-cream.

The appliance is intended for operation in maximum ambient temperature of 35 °C and relative humidity of 80%.

1.4 Unintended Use

An unintended use may lead to personal injuries or property damages caused by hazardous voltage, fire or high temperature. The appliance may only be used to perform tasks described in this instruction manual.

The following is an unintended use:

- Storing flammable or explosive objects and liquids, such as ether, petroleum or adhesives;
- Storing explosive materials, like sprays filled with flammable propellants;
- Storing pharmaceutical products or preserved blood.

2 General information

2.1 Liability and Warranty

All information and instructions in this instruction manual account for legal regulations in force, current level of technical engineering knowledge as well as our expertise and experience, developed over the years. If special models or additional options are ordered, or state-of-the-art technical solutions were implemented, the actual scope of delivery of the appliance may, in some circumstances, differ from descriptions and numerous drawings in this instruction manual.

The manufacturer is not liable for any damages nor faults stemming from:

- failure to observe instructions,
- unintended use,
- technical alterations introduced by the user,
- usage of unapproved spare parts.

We reserve the right to introduce technical modifications to the product, intended for improvement of the appliance and its performance.

The warranty period for this appliance is 24 months, counted from the purchase date.

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2.2 Copyright Protection

This instruction manual, and texts, drawings and images included in it, as well as its other components are copyright protected. It is prohibited to reproduce this instruction manual (including its excerpts), in any form and by any means, and to use and/or transfer its content to third parties without manufacturer's written permission. Violation of the above results in obligation to pay compensation. We reserve the right to claim further damages.

2.3 Declaration of Conformity

The appliance meets the currently applicable standards and guidelines of the European Union. We confirm the above in the EC Declaration of Conformity. We may provide relevant Declaration of Conformity upon request.

3 Transport, Packaging and Storage

3.1 Delivery Check

Immediately upon reception, check the delivery for completeness and possible shipping damage. In the case of visible transport damage refuse to accept the appliance or accept it conditionally. Mark and note the scope of damage in shipping documents/consignment list of the shipping company and lodge a complaint.

Concealed damage must be reported immediately upon its discovery, as compensation claims may only be filed within applicable time limits.

If you find that parts or accessories missing, please contact our Customer Service Department.

3.2 Packaging

Do not dispose of the appliance cardboard box. It may be used to store the appliance when relocating or when shipping the appliance to our service point in the case of any damages.

The packaging and its elements are made of recyclable materials. Particularly, these are: plastic films and bags, cardboard box.

When disposing of the packaging, observe applicable domestic regulations. Recyclable packaging materials should be recycled.

3.3 Storage

Leave the packaging closed until installation of the appliance; observe external indications concerning method of placing and storage. Store the packaging in the following conditions only:

- in closed rooms;
- in dry and dust-free surrounding;
- away from aggressive agents;
- in a location protected against sunlight;
- in a location protected against mechanical shocks.

In the case of extended storage (over three months), make sure you check the condition of the packaging and the parts regularly. If needed, replace the packaging with a new one.

4 Technical Data

4.1 Technical Specifications

Name:	Ice-cream cabinet 300L
Art. No.:	700732
Material:	steel plate, painted; plastic
Inner material:	plastic
Content, in l:	300
Useful content, in l:	190
Dimensions inside (W x D x H), in mm:	845 x 525 x 480-300
Number of baskets:	3
Basket dimensions (W x D x H), in mm:	245 x 573 x 300 (340)
Temperature range, min.–max., in °C:	-22 - -18
Amount of coolant, in kg:	R290 / 0,068
GWP index:	3
Climate class:	B
Ambient temperature, max., in °C:	35
Energy efficiency class:	D (EU Nr. 2019 / 2018)
Energy consumption, in kWh/year:	677
Number of sliding glass lids:	2
Swivel castors:	4 swivel casters, 2 with brake
Power supply:	0,238 kW 220-240 V 50 Hz
Dimensions (W x D x H), in mm:	990 x 705 x 875
Weight, in kg:	57,0

We reserve the right to implement technical modifications.

Version / Characteristics

- Colour: white
- Temperature control:
 - thermostatic
 - stepless
- Temperature indicator: analogue
- Cooling: static
- Sliding glass lid (2):
 - single-glazed, double-tempered
 - safety glass
- Insulation: cyclopentane, 70 mm
- Evaporation of condensed water
- Thermostat
- Lighting: LED
- Lockable
- Control: setting screw
- Indicator light:
 - ON/OFF
 - appliance in operation
 - cooling active
- ON/OFF switch
- The set includes: 3 baskets

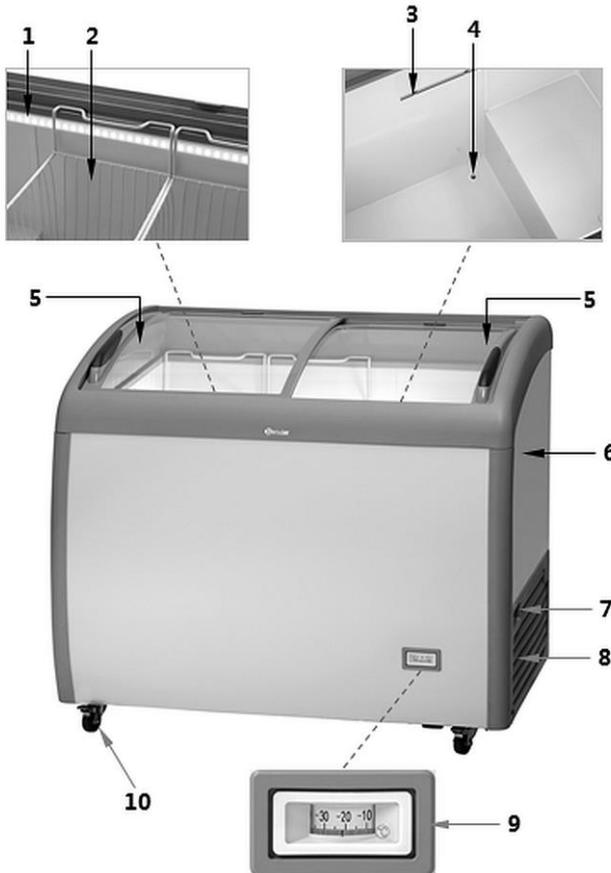
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More information on the appliance is available in our website www.bartscher.com or, pursuant to the Regulation (EU) 2019/2018, in our product data base at <https://energy-label.ec.europa.eu/>. Enter article number for a given model.

4.2 Functions of the Appliance

Ice-cream cabinet with LED lighting and volume of 300 litres is intended for storing ice-cream and may be located in a check-out register area of a supermarket, at a gas station or in a small retail store.

4.3 List of Components of the Appliance



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- | | |
|---------------------------------|---|
| 1. LED lighting | 2. Basket (3 pcs) |
| 3. MAX marking | 4. Condensate water drain opening |
| 5. Sliding lid (2 pcs) | 6. Housing |
| 7. Operating elements | 8. Ventilation openings |
| 9. Analogue temperature display | 10. Swivel castors (4 pcs, 2 with brakes) |

Fig. 1

5 Installation and operation

5.1 Installation

Unpacking / Positioning

- Unpack the appliance, remove all external and internal packaging elements and shipment safeguards.



CAUTION!

Choking hazard!

Prevent children from accessing package materials, for instance: plastic bags and EPS.

- If the appliance is covered with a protective film, remove it. Remove the film slowly, so no glue residues are left. Remove any glue residues with the use of a suitable solvent.
- Be careful not to damage the rating plate and warning labels fixed on the appliance.
- **Never** place the appliance in humid or wet environment.
- Place the appliance in a way making the connections easily accessible, so that they may be quickly disconnected if such a need arises.
- The appliance should be placed on surfaces that are:
 - even, with sufficient bearing capacity, resistant to water, dry and resistant to high temperatures;
 - sufficiently large, and thus enabling usage of the appliance with no problems;
 - easily accessible;
 - well ventilated.
- Do not place the appliance in direct sunlight or in the vicinity of heat sources (cooker, radiator, heating devices, etc.). Heat sources may negatively affect power consumption, and restrict functions of the appliance, too.
- Place the appliance so that sufficient air circulation is ensured. Leave 10 cm clearance from walls and other objects.
- In order to avoid damage to the compressor, do not tilt the appliance more than 45° when positioning or transporting it.
- If the appliance is to be relocated, follow the instructions below:
 - switch the appliance off;
 - disconnect the plug from the socket;

Installation and operation

- take out contents of the appliance;
 - tape firmly all loose elements in the internal chamber and tape the door;
 - the appliance may only be transported in vertical position.
- Compensate for smaller unevenness of flooring in the place of installation through screwing the feet in and out.
 - When the appliance is move to the selected location, block the swivel castors with parking brakes.

IMPORTANT!

The appliance is not suitable for built-in installation.

Power supply connection

- Verify if technical data of the appliance (see rating plate) correspond with the local electric power grid specification.
 - Connect the appliance to a single, properly grounded mains socket with protective contact. Do not connect the appliance to a multi-socket.
 - The power cord should be laid in a way preventing anyone from threading on it or tripping against it.
- If the appliance was stored or transported vertically, leave it standing horizontally for 12 hours before it is connected to electric power.
 - Following an electric power outage, wait at least 3 minutes before reconnecting the appliance to prevent a damage to the compressor.

5.2 Operation

Indications for the User

- Never store open or unpacked food products in the appliance.
- To limit the loss of temperature in the appliance, reduce the sliding lid opening time to minimum. Moreover, the sliding lid should not be opened too often.
- In the event of a sudden power outage, do not open sliding lids in order to avoid loss of cool air.
- Make sure that ventilation openings inside the appliance are not obstructed.
- If the appliance is switched off for an extended period, remove all food products, clean the appliance and leave the sliding lids open.

Before First Use

1. Prior to first operation, clean the appliance and its equipment according to instructions in section **6 'Cleaning'**.
2. To end with, dry the appliance and accessories thoroughly.
3. Insert baskets in the appliance.
4. Close the sliding lids of the appliance.
5. Then, plug the appliance into a suitable single socket.
6. Prior to the first use, and before you place all food products in the appliance, leave the appliance on to reach the operating temperature.

Control Elements

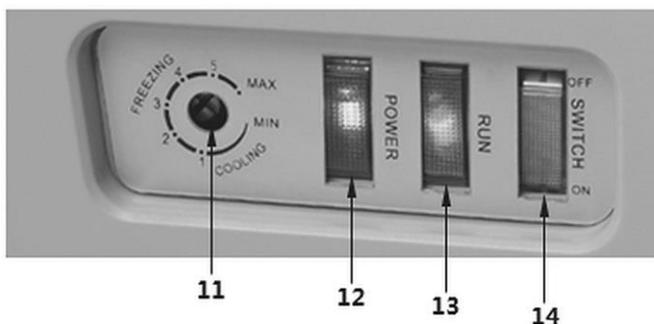


Fig. 2

11. Temperature controller
12. Operation indicator light (red)
13. Cooling indicator light (green)
14. LED lighting ON/OFF switch

LED Lighting

The appliance is equipped with LED lighting; the LED strip is mounted inside the appliance. The LED lighting ON/OFF switch is located at the right side of the appliance.

1. If needed, use the ON/OFF switch (14) to switch the LED lighting on (**ON** position) or off (**OFF** position).

Temperature Control

The temperature may be changed by rotating the temperature controller steplessly. The adjustment is possible only with the use of a screwdriver.



Fig. 3

The following temperature settings may be introduced:

- 'MAX' position equals the lowest temperature
- 'MIN' position equals the highest temperature

The current temperature inside the ice-cream cabinet is shown in the analogue temperature display at the front of the appliance.

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ATTENTION!

Do not use the appliance for a prolonged time with the 'MAX' setting, as this may damage the appliance. Use this setting only as a quick freezing function.

The temperature of the appliance may be set within the range of -22°C – -18°C . The optimum temperature setting for a temporary ice-cream storage is in the range of -10°C – -15°C . Ice-cream should be consumed in a relative short time. For a prolonged ice-cream storage use the setting of approx. -18°C .

CAUTION!

If the ice-cream storage temperature will not be kept, they may perish.

Switching the Appliance Off

After use, disconnect the appliance from the socket (pull the plug out).

Locking the Appliance with a Key

The appliance is delivered with a lock and 2 keys, and if needed it may be locked.



1. Close the sliding lid.
2. Place the key-lock in a prepared opening.
3. Insert the key and close the cabinet.

Fig. 4

6 Cleaning and Maintenance

6.1 Safety Instructions for Cleaning

- Before cleaning, disconnect the appliance from the power supply.
- Leave the appliance to cool down completely.
- Make sure water does not enter the appliance. Do not immerse the appliance in water or other liquids during cleaning. Do not clean the appliance with a pressurized water jet.
- Do not use any sharp or pointed, nor metal implements (knife, fork, etc.). Sharp or pointed implements may damage the appliance, and when in contact with live parts, they may cause electric shock.
- For cleaning, do not use any scouring agents that contain solvents nor corrosive cleaning agents. They may damage the surface.

6.2 Cleaning

1. Clean and defrost the appliance regularly.
2. Remove all objects from the appliance and store them temporarily in an another cabinet.
3. Remove baskets from the appliance.
4. The appliance is not provided with an automatic defrosting function. In order to shorten defrosting time, leave the sliding lids open for a while.
5. Drain the condensate through the drain opening inside the appliance, screwing the nut out and pulling the plug out (to the outside) at the back wall of the appliance.

Cleaning and Maintenance

6. Clean the internal and external surfaces of the appliance, as well as sliding lids with a soft, damp cloth. Use mild cleaning agent if required.
7. Wipe cleaned surfaces with a cloth moistened in fresh water.
8. Dry washed surfaces thoroughly afterwards.
9. Close the drain opening using the nut and the plug.
10. After cleaning, leave the sliding lids open for the appliance to dry completely.
11. Wash baskets thoroughly with warm water, a soft cloth or a sponge and a mild cleaning agent.
12. Rinse baskets with fresh water and dry thoroughly with a soft cloth.
13. At least 4 times a year wipe the dust collected at the appliance rear wall and on the condenser. Use a soft, dry brush, electrostatic cloth or vacuum cleaner.

NOTE!

Non-observance of the recommended cleaning frequency of the condenser leads to considerable reduction in the appliance performance.

14. If the appliance is not to be used for long time, it should be cleaned according to the description above and the sliding lids should be left open to avoid unpleasant odours and mould inside the appliance being developed.

Maintenance

We recommend you to have the appliance serviced at least once a year; if needed, we recommend entering into a service agreement.

7 Possible Malfunctions

The table below contains descriptions of possible causes and solutions to malfunctions or errors during operation of the appliance. When malfunction cannot be removed, contact the technical service.

In such a case, provide article number, model name and serial number. These data may be found in the rating plate.

Problem	Possible Cause	Solution
Appliance does not work	Incorrectly connected plug.	Remove the plug and insert it properly into a socket
	Damaged power cord or plug	Contact the service company
	Electric power supply safety fuse damaged	Check the fuse or have it replaced
	Damaged mains socket	Check the appliance after connecting it to another socket.
	No power supply	Check the electric power supply
Too low / high a temperature in the appliance	Direct sunlight or heat sources in immediate vicinity	Move the appliance away from heat sources
	Poor air circulation around the appliance	Keep sufficient clearance from walls or other objects
	Ambient temperature too high	Provide for sufficient ventilation or install the appliance in a room with lower ambient temperature
	Sliding lid is not entirely closed or has been open for too long	Close the sliding lid completely Limit the opening time to minimum

Possible Malfunctions

Problem	Possible Cause	Solution
Too low / high a temperature in the appliance	Icy evaporator	Defrost the appliance
	Condenser obstructed with dust	Clean the condenser.
	There are unsuitable food products in the appliance (e.g., hot ones)	Remove unsuitable food products
	Fan obstructed	Remove fan obstruction
	Overfilled appliance	Reduce the amount of stored food products
Appliance operates unusually loudly	Appliance is not placed on even surface	Place the appliance on even surface
	Loose nuts/screws	Tighten nuts/screws
	Appliance touches walls or other objects	Keep sufficient clearance from walls or other objects
Appliance is losing water	Appliance is not placed on even surface	Place the appliance on even surface
	Drain opening is open	Close the drain opening in the bottom of the appliance with the nut Plug the drain opening from the outside

Spare Parts

Spare parts for the purpose of repairing this appliance, as stipulated in Annex II to the REGULATION (EU) 2019/2018, are available for at least eight years, counted from the date of introduction of the last appliance of this model to market.

8 Disposal

Electrical Appliance



Electric appliances are marked with this symbol. Electrical appliances must be disposed of and recycled in a correct and environmentally friendly manner. You must not dispose of electric appliances with household waste. Disconnect the appliance from the power supply and remove power cord from the appliance.

Electrical appliances should be returned to designated collection points.

Coolant

The propellant used in the appliance is flammable. It should be utilised pursuant to national regulations in force.