

Operating Manual

Ice Cube Machine EB 15 PRO / EB 15 S PRO

Item-No.: 325-1020 / 325-1023



325-1020
EB 15 PRO



325-1023
EB 15 S PRO

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Dear Customer,

Congratulations on your new SARO ice cube maker.

The product you have purchased is designed for commercial use in restaurants, hotels, cafés, canteens, and supermarkets. The ice cube maker is especially suitable for the fast production of a larger quantity of ice cubes.

Please read the operating instructions carefully before using the appliance for the first time.

We wish you lots of enjoyment with your new SARO product.

SCOPE OF DELIVERY

- 1 Ice cube maker
- 1 Serving scoop
- 1 Operating manual

STANDARDS AND DIRECTIVES

This device complies with the current EU standards and directives:

Low Voltage Directive – LVD 2014/35/EU

Electromagnetic Compatibility Directive – EMC 2014/30/EU

RoHS Directives 2011/65/EU and 2015/863/EU

If required, we will be happy to provide you with the corresponding declaration of conformity.

TECHNICAL OVERVIEW

Ice Cube Machine		
Model	EB 15 PRO	EB 15 S PRO
Item-No.	325-1020	325-1023
Material	(Housing) stainless steel; (Lid) plastic	
Color	grey	black
On/Off switch	Yes (on the rear)	
Power connection	Ready to plug in with Schuko plug	
Ice cube quantity	Approx. 15 kg / 24 h	
Ice cube production time	Approx. 7 – 15 minutes (depending on selected size)	
Ice cube type	Hollow cone, cloudy	
Storage bin capacity	1,4 kg	
Water tank	Approx. 2 L	
Cooling type	Air cooling	
Feet	4 leveling feet	
Ambient temperature	10 – 40 °C	
Refrigerant type/amount	 R600a / 28 g	
Connection	230 V / 50 Hz / 0,110 kW	
External dimensions	W 356 x D 398 x H 430 mm	
Gross/net weight	17,8 / 15,2 kg	
GTIN [EAN-Code]	4017337325078	4017337069491

SYMBOL EXPLANATIONS



WARNUNG!

Dieses Symbol kennzeichnet Gefahren, die zu Verletzungen führen können. Halten Sie die angegebenen Hinweise zur Arbeitssicherheit unbedingt genau ein und verhalten Sie sich in diesen Fällen besonders vorsichtig.

WARNING!

This symbol indicates hazards that may cause injuries. Always follow the specified safety instructions precisely and exercise extra caution in these situations.



WARNUNG: GEFAHR DURCH ELEKTRISCHEN STROM!

Dieses Symbol macht auf gefährliche Situationen durch elektrischen Strom aufmerksam. Bei Nichtbeachten der Sicherheitshinweise besteht Verletzungs- oder Lebensgefahr!

WARNING: DANGER OF ELECTRIC SHOCK!

This symbol warns of hazardous situations caused by electric current. Failure to follow the safety instructions may result in injury or death!



WARNUNG: HEISSE OBERFLÄCHE - VERBRENNUNGSGEFAHR

Dieses Symbol weist auf die heiße Oberfläche des Gerätes, während des Betriebes und danach hin. Verletzungs- oder Lebensgefahr bei Nichtbeachten!

WARNING: HOT SURFACE - RISK OF BURNS

This symbol indicates the hot surface of the device during and after operation. Risk of burns if not observed!



WARNUNG: FEUERGEFÄHRLICHE STOFFE - VERBRENNUNGSGEFAHR

Dieses Symbol weist darauf hin, dass Gefahren aufgrund von feuergefährlichen Stoffen für Leben und Gesundheit von Personen bestehen. Verletzungs- oder Lebensgefahr bei Nichtbeachten!

WARNING: FLAMMABLE SUBSTANCES - RISK OF BURNS

This symbol indicates that flammable substances pose a danger to life and health. Risk of burns if not observed!

GENERAL INSTRUCTIONS

- Keep this operating manual readily accessible near the appliance.
- The manufacturer/supplier cannot be held responsible for any damage resulting from failure to follow this manual.
- Failure to follow this manual voids the safety guarantee of the appliance.
- If the appliance is passed on to third parties, this manual must be included.
- This appliance must not be operated by children or persons with reduced physical, sensory, or mental capabilities, as they may not recognize the risks involved in using electrical and/or cooling appliances, which could lead to accidents, fire, explosions, or damage.
- After unpacking the appliance, ensure that all parts are in perfect condition. If you detect any damage, do not connect the unit, but contact your dealer.
- Check whether all components listed in the scope of delivery are present. If anything is missing, contact your dealer.
- Keep the packaging. The appliance can only be transported safely in its original packaging (e.g. for repairs, relocation, etc.). Note: all packaging components (plastic bags, cartons, Styrofoam parts, etc.) can pose a risk to children and must be kept out of their reach.
- If storage of the packaging is not possible, separate the materials and take them to a local collection point for proper disposal.
- Do not use the appliance outdoors in rain or in damp environments.
- Do not operate the appliance unattended.
- Observe the accident prevention regulations and general safety instructions applicable to the area of use.
- Place the appliance in a dry, well-ventilated location on a level, stable surface.
- Ensure at least 10 cm clearance between the back of the unit and the wall to maintain proper cooling performance.
- Do not place the unit near heat sources such as radiators, stoves, ovens, or open flames, and avoid direct sunlight, as this may impair cooling performance.
- The ventilation slots must always be kept clear and must not be covered or blocked.
- Observe the recommended ambient temperature (climate class) before commissioning to ensure optimal cooling performance.
- Before connecting to the power supply and commissioning, clean the appliance thoroughly as described under "Cleaning."
- Before connecting, make sure a grounded 230 V socket is available and that it matches the data on the appliance nameplate. Using other voltage types than specified may cause overheating or defects.
- Do not drill or puncture the inside or outside of the appliance. This could damage the refrigeration circuit.
- For hygienic reasons, daily cleaning is recommended during use.
- Always disconnect the appliance from the power supply before cleaning. Turn it off first if it has a power switch. Also disconnect it during extended periods of non-use.
- The manufacturer/supplier is not liable for damage caused by failure to observe the instructions. In such cases, the safe operation of the appliance is no longer guaranteed.
- In the event of a malfunction or defect, disconnect the unit from the power supply and contact your dealer. Repairs must be carried out with original spare parts.
- The ice cubes are cloudy.
- Empty the ice cube storage bin after each cycle; it is not suitable for long-term ice storage as the cubes tend to stick together.

SAFETY INSTRUCTIONS

- Improper use or handling may lead to device malfunction and user injury.
- This appliance is not suitable or intended for storing medicines or flammable, combustible, or explosive substances.
- Observe accident prevention regulations and general safety standards applicable to the place of use.
- Ensure the unit stands securely on a dry, non-slip surface that can support its weight, in a well-ventilated area.
- Do not expose the appliance to direct sunlight, place it near heat sources (radiators, stoves, ovens, open flames), or place it on hot surfaces, as this may impair the cooling performance.
- Do not store flammable or explosive substances near the appliance.
- Do not use flammable substances (such as spray paint or similar) near the appliance – this may cause fire or explosion.
- The appliance requires adequate space for air circulation and cooling: leave 10 cm clearance on each side and to the wall.
- Do not place heavy objects, loads, or liquids on top of the appliance.
- Ensure that air intake and exhaust openings are always free from contamination. Check regularly and remove any dust with a vacuum cleaner.
- Do not block or cover air openings.
- Do not tilt the appliance more than 45 degrees.
- Before connecting to your power supply, check that the type and voltage match the information on the rating plate. Operation is only safe with a matching power supply to prevent accidents or damage.
- Do not use adapters, extension cords, or multi-socket power strips. This can lead to cable overheating, especially when other appliances are connected, increasing the risk of fire.
- Do not move the appliance while it is operating.
- Before moving the appliance, switch it off (if a switch is present) and unplug the power cord.
- Always unplug by gripping the plug, not the cable.
- Ensure the unit does not tip over during transport – this could cause injury.
- Once the appliance is in place, wait 2 hours before switching it back on.
- If the appliance was transported for a longer distance, wait approximately 24 hours before commissioning to prevent potential damage or accidents.
- After a power failure or unplugging, turn the appliance off, wait 5 minutes, then plug it back in and restart it.
- Do not allow the power cord to hang over sharp edges, get pinched, or come into contact with hot surfaces or open flames.
- Ensure the cord cannot be accidentally pulled or tripped over.
- Regularly check the power cord. If damaged (e.g., pinched), it must be replaced by a qualified technician.
- Do not touch the appliance, cord, or plug with wet or damp hands.
- Warning! The appliance is live as long as it is connected to the power supply.
- Protect the unit from moisture.
- Do not clean the appliance with an open water jet.
- Do not immerse the appliance in water or other liquids or splash it with fluids.
- If the appliance becomes wet, immediately unplug it and have it inspected by a specialist before using again. Risk of fatal electric shock.
- Do not use the appliance if it is damaged!
- In this case, unplug the unit and contact your dealer!
- Never attempt to open or repair the appliance yourself. Risk of fatal electric shock!
- Do not touch the compressor – risk of burns.
- Do not drill or puncture the unit from the inside or outside.
- Do not install other devices into or onto the cooling unit.
- Do not interfere with the refrigeration circuit – this must be done by a qualified technician!
- Refrigerants R600a and R290 are environmentally friendly but colorless, nearly odorless, flammable gases. They are heavier than air and can be narcotic or suffocating in high concentrations.
- Repairs must be carried out by qualified personnel using original spare parts.
- Always disconnect the appliance from the power supply before cleaning or during extended periods of non-use.
- For hygienic reasons, cleaning at least once daily is recommended – and more frequently if necessary during use.

DEVICE INSTALLATION

Set up the unit in a dry and sufficiently ventilated room. Make sure that the unit is placed on a dry and non-slip surface.

Place the back of the appliance at least 10 cm from the wall to ensure sufficient air circulation at all times. There should be at least 30 cm above the unit and 10 cm to each side.

Performance and power consumption may be affected by ambient temperature or direct sunlight. Therefore, do not expose the appliance to direct sunlight and do not place it in the immediate vicinity of a cooker, radiator or other heat source.

Make sure that the mains plug is always freely accessible and can be disconnected from the mains without difficulty.



After delivery or transport of the unit, connect it only after the unit has been at rest for at least 24 hours. This is absolutely necessary so that the refrigerant can collect in the compressor.

ELECTRICAL CONNECTION

After prolonged transport, the unit should not be put into operation until 24 hours have elapsed, also after strong inclination; that the cooling circuit stabilises again, refrigerant distributes evenly again in order not to cause a defect, a malfunction.

After short movement and inclination below 45 degrees, please wait 2 hours before connecting.

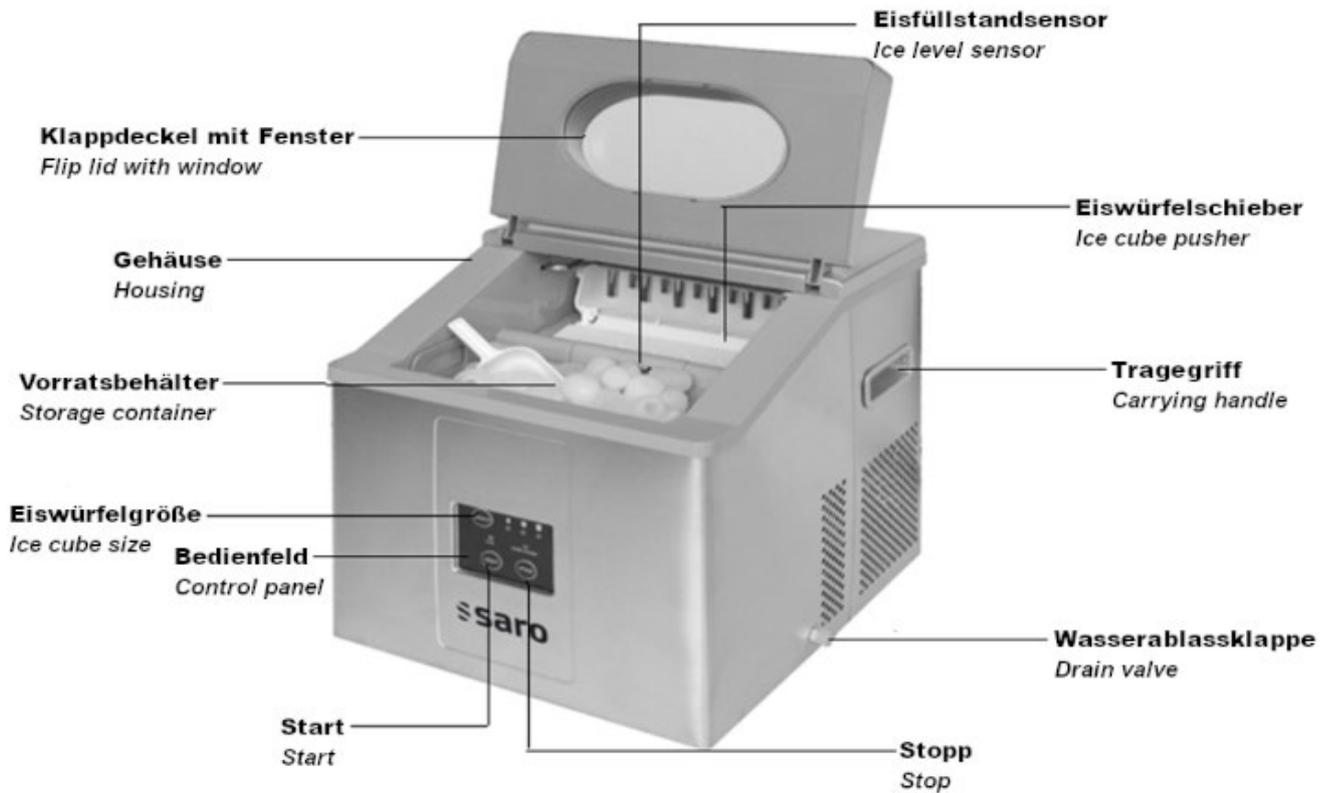
Before connecting the unit, make sure that the voltage and frequency of the power supply match the specifications on the type plate! Other voltages can cause the unit to overheat!!!

Only connect the appliance to an earthed socket outlet with a 230 volt connection.

After a power failure or if the unit has been disconnected from the mains, wait at least 5 minutes before reconnecting the unit and putting it into operation!

If the unit is restarted immediately after it has been switched off, the fuse may blow and interrupt the flow of electricity. In addition, the compressor may be overloaded and damaged.

STRUCTURE AND COMPONENTS

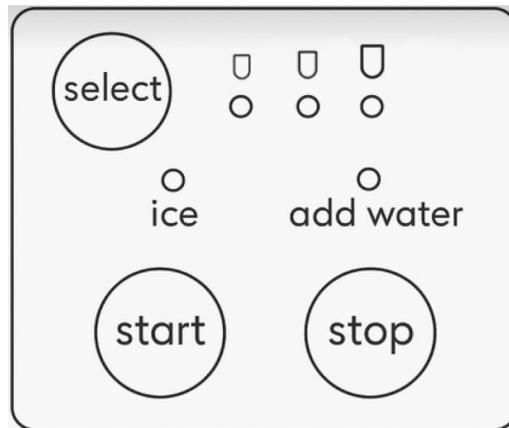


INITIAL START-UP

Before first use:

Unpack the appliance, check that it is complete and set it up (see Setting up the appliance). Clean the appliance (see Cleaning). Connect the cleaned cooling unit (see unit connection) to a 230 V socket.

OPERATION – SETTINGS



- Open the hinged lid and fill water into the water tank. For this operation, remove the ice cube storage container. Fill the appliance with water only up to the mark. Place the storage container again
- Close the hinged lid.

- Switch on the unit by pressing the  button on the control panel.

- The ice cube maker produces 3 different ice cube sizes that can be selected manually. Press for

the selection the  button on the control panel. To make the larger ice cubes, the appliance needs more time. If the ambient temperature is below 15°C, small ice cubes are recommended to prevent the ice cubes from sticking together.

- Empty the ice cube storage bin after each run, it is not designed for prolonged storage of ice cubes suitable.

Ice cube making:

- The water is pumped from the water tank into the water tray.
- The evaporator located in the water tray ensures that the water turns to ice.
- Ice cube production takes approx. 7 - 15 minutes, depending on the set size of the ice cubes.
- As soon as the production cycle is finished, the water tray swings back and the remaining water flows back into the water tank. The ice cubes fall from the evaporator. The water tray then rotates forward again and the ice pusher pushes the ice cubes into the storage basket.
- After the water tray has turned back to the horizontal position, the next production cycle is started automatically.
- If there is a lack of water, the control light "Low water level" lights up and the appliance is automatically switched off. Switch the appliance on again and fill it with water again (up to the mark), the control light goes out.
- As soon as the ice cubes have reached the sensor in the storage container, the 'Full ice cube tray' indicator light lights up. The appliance stops and restarts automatically as soon as you have emptied the ice cube tray.
- If the indicator lights "Full ice tray" and "Low water level" light up at the same time although there is still water in the water tank and the ice cubes have not reached the sensor, please check whether some ice cubes may be blocked in the water tray. If this is the case, remove the ice cubes. If there are no ice cubes blocked, turn the water tray slightly by hand. The appliance will restart after 3 - 5 minutes.

ICE CUBES



ca. 23 x 29 mm



ca. 25 x 31 mm



ca. 27 x 33 mm

CLEANING

Wipe down or wipe out the outside and inside with a damp, soft cloth. You can use a light cleaning agent. Do not use abrasive, bleaching, corrosive or scratching cleaning agents/cleaning aids, as this could damage/scratch the surfaces.

Clean the storage container, the water tray and the ice pusher daily.

Clean the ventilation slots from time to time, as dust and dirt can block the slots. To do this, remove the plastic cover on both sides by loosening the screws. Clean everything with a soft brush or hand brush. In addition, use a Hoover.

MAINTENANCE

The cooling unit requires little maintenance. Check the ventilation slots for dirt. Brush with a soft brush and at the same time vacuum the dirt with a vacuum cleaner, see Cleaning.

You can descale the machine in between. Remove the strainer from the drain and clean it. Put the sieve back in place. You can then fill the descaler with water into the reservoir and let the machine run for 3-4 production cycles. Drain the descaler and rinse the machine with fresh water. When no descaler is visible, fill the appliance with fresh water and run it through 3-4 production cycles and discard the ice cubes.

A complete maintenance and disinfection of the unit is recommended once a year or after a longer shutdown. Contact your dealer for this. This cleaning must be carried out by a technician.

TAKING THE ICE CUBE MACHINE OUT OF OPERATION / STORAGE / TRANSPORT

Switch off the unit, disconnect the mains plug.

Clean the appliance thoroughly inside and out and open the door to allow the appliance to dry sufficiently.

If it is dry and the unit is not to be used for a longer period of time, store it in a dry, dust-free and not hot place. It is best to cover the unit or use the original packaging to protect the unit from damage.

When storing only the packaging material, please note that components of the packaging such as plastic bags, cardboard, polystyrene parts, etc., can be dangerous for children if they play with them unsupervised (e.g. choking hazard). can endanger children if they play with them unsupervised (e.g. choking hazard).

When transporting the unit, it is best to use the original packaging so that the unit is optimally protected against impact, sharp edges, weather conditions, etc. Do not tilt the unit more than 45 degrees and do not expose it to moisture or rain and avoid strong vibrations. After transport, the unit must stand for approx. 24 hours without further movement before it can be reconnected. Otherwise, a defect may occur as the refrigerant and oil must be distributed/placed correctly again.

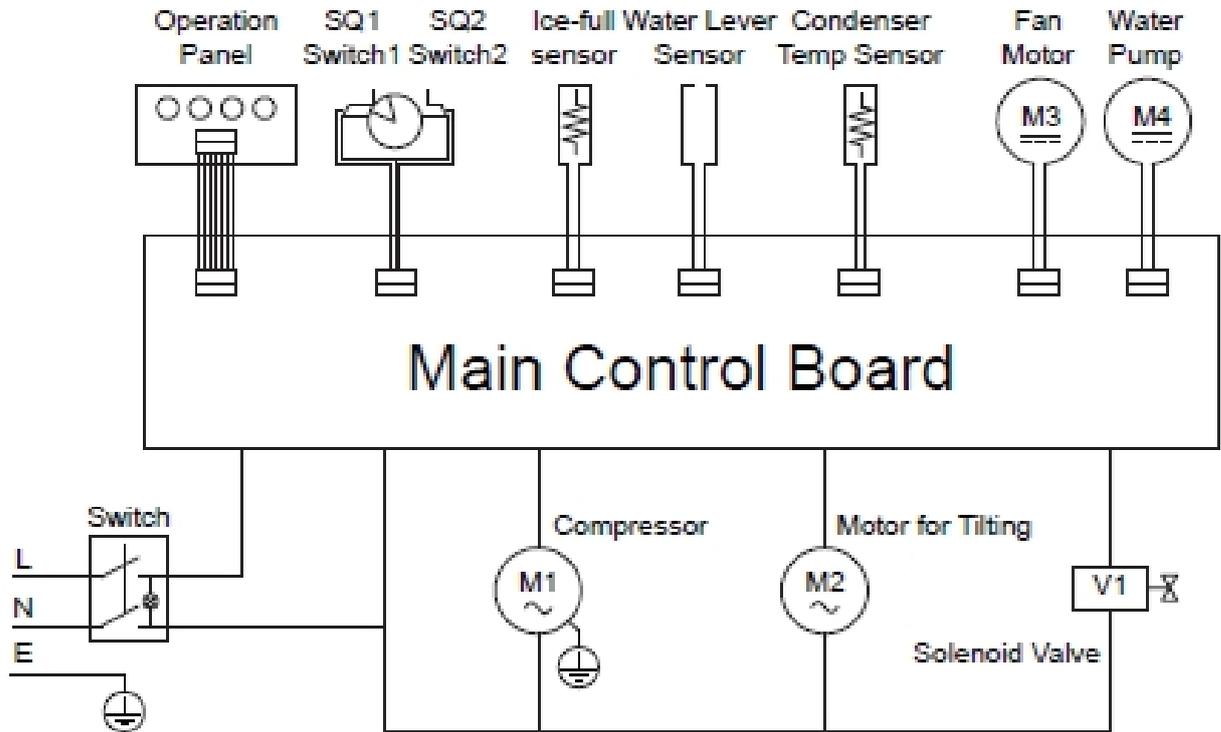
TROUBLESHOOTING

Problem	Cause and Solution
No cooling	Is the plug inserted? Is the socket working? Is the fuse blown? Power outage? Restore the power supply to the appliance.
Unsatisfactory cooling performance	Direct sunlight? Is there a heat source nearby? Poor ventilation? Does the lid close properly? Is the lid gasket deformed or damaged?
Loud noises	The appliance is not properly leveled. The appliance is touching the wall or other objects. Something on the appliance is loose. Adjust the appliance for stable, level placement and/or eliminate any contact.
Appliance not working	Turn the appliance off, wait 5 minutes, and turn it back on.
If the problem cannot be resolved through basic troubleshooting, please contact your dealer.	

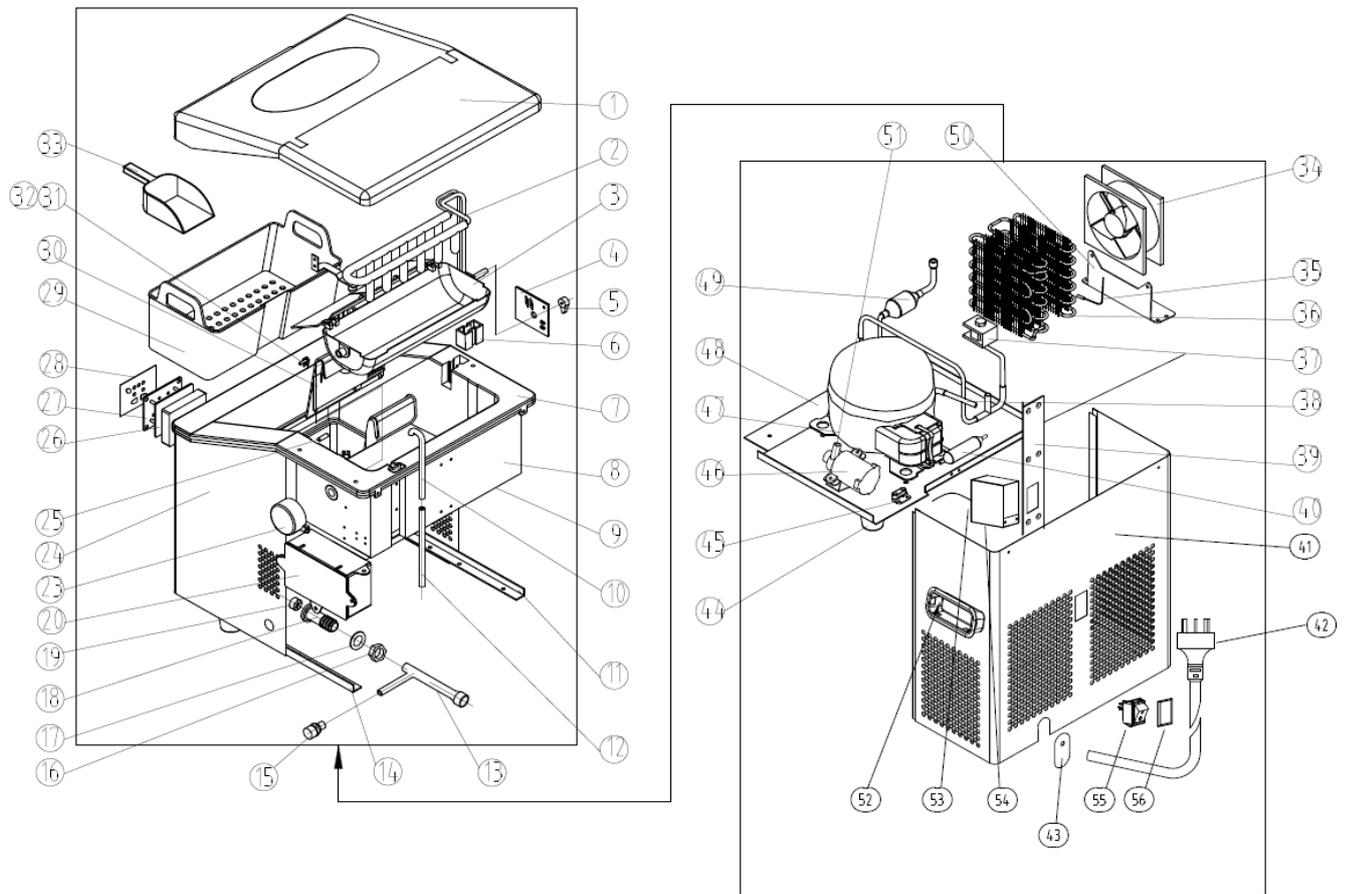
ERROR CODES

Fehlercode	Bedeutung
 Indicator light blinks twice every 4 seconds	Ice level sensor defective
 Indicator light blinks once every 4 seconds	Condenser sensor defective
 and  Indicator lights blink once simultaneously , ice production stops	Turning motor defective
 Indicator light permanently on , ice production stops	Ice full
 Indicator light permanently on , ice production stops	Lack of water

WIRING DIAGRAM



EXPLODED VIEW DRAWING



EXPLODED VIEW DRAWING – LEGEND

1	Complete door	Komplette Tür
2	Evaporator	Verdampfer
3	Water box	Wasserwanne (325-5115)
4	Micro switch	Mikroschalter (325-5045)
5	Blocking piece	Hebel
6	Inner Liner cover	Abdeckung der Innenverkleidung
7	Inner Liner	Innenverkleidung
8	Inner Liner insulation	Innenisolierung
9	Sheet	Platte aus Blech
10	Water line inlet pipe	Wasserleitungseinlaufrohr
11	Left corner support	Bügel links
12	Silicone tube	Schlauch
13	T pipe for water drainage	T-Schlauch
14	Right corner support	Verstärkung rechte Ecke
15	Nut for water outlet	Mutter für Ablaufverschraubung
16	Nut for water outlet	Mutter für Ablaufverschraubung
17	Seal washer for water outlet pipe	Dichtung für Ablaufverschraubung
18	Drainage	Auslauf
19	Filter screen	Filter/Sieb (325-5049)

20	Main control board	Steuerplatine
23	Turning motor	Motor für Wasserschale (325-5047)
24	Front panel	Vorderseite
25	Limit pole	Anschlag für Wasserwanne
26	Operation board	Bedienplatine (325-5100)
27	Fixing for operation board	Fixierung für Bedienplatte
28	Operation board sticker	Bedienfolie (325-5105)
29	Ice storage basket	Eiskorb (325-5110)
30	Drainig rack	Ablaufblende
31	Fixing of ice level sensor	Halter für Temperaturfühler
32	Ice level sensor	Temperaturfühler (325-5159)
33	Ice scoop	Schaufel für Eiswürfelbereiter
34	Condenser fan	Lüfter (325-5026)
35	Condensing Sensor	Temperaturfühler
36	Condenser	Kondensator
37	Magnetic valve	Magnetventil
38	Process tube	Prozessrohr
39	Back reinforce panel	Verstärkungsbügel
40	Filter	Filter
41	Back panel	Rückseite
42	Power cord	Kabel mit Schuko Stecker
43	Fixer for power cord	Halterung für Netzkabel
44	Feet	Fuß (325-5046)
45	Fixer for cables	Fixierung für Kabel
46	Waterpump	Wasserpumpe (325-50482)
47	Compressor	Kompressor
48	Bottom panel	Untere Platte
49	Suction Tube	Absaugschlauch
50	Fixer of Condenser Fan	Fixierer für Kondensatorlüfter
51	Fixer of Water Pump	Fixierer für Wasserpumpe
52	Recces Handle	Griff
53	Switch Connection Wire	Schalteranschlussdraht
54	Switch Fixing Plate	Schalterbefestigungsplatte
55	Power Switch	Ein-/Ausschalter
56	Waterproof cover	Wasserdichte Hülle

PACKAGING DISPOSAL



Please separate the packaging materials accordingly and take them to the appropriate collection points for recycling and environmental protection.

DEVICE DISPOSAL



Once the appliance has reached the end of its life, please dispose of it properly at a designated collection point for electrical devices.

Electrical appliances do not belong in household waste.

Your local authority can provide information on the locations and opening hours of disposal sites.

This is the only way to ensure that old appliances are disposed of and recycled correctly.

Thank you!

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