

- 14) Damage to the Berg countertop refrigerator as a result of misuse, abuse, neglect, accidents, fire, flooding, or acts of God.
- 15) Damage to the Berg countertop refrigerator relating to improper utility connection or supply and problems due to improper ventilations.
- 16) Damage to the contents being stored in the malfunctioning Berg countertop refrigerator.

THE FOREGOING WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ANY OTHER WARRANTY, WRITTEN OR ORAL EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF EITHER MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

The agents, employees, distributors, and dealers of Berg countertop refrigerators are not authorized to make modifications to this warranty or to make additional warranties that are binding on Berg countertop refrigerators. Accordingly, statements by such individuals, whether oral or written, do not constitute warranties and should not be relied upon.

THE BUYER'S REMEDY AGAINST BERG COUNTERTOP REFRIGERATORS, FOR THE BREACH OF ANY OBLIGATION ARISING OUT OF THE SALE OF A BERG COUNTERTOP REFRIGERATOR, WHETHER DERIVED FROM WARRANTY OR OTHERWISE, SHALL BE LIMITED TO THE REPLACEMENT OF THE BERG COUNTERTOP REFRIGERATOR.

In no event shall Berg countertop refrigerators be liable for any other damage or loss, including, but not limited to, lost profits, lost sales, loss of use of equipment, claims of Buyer's customers, cost of interruption or down time, cost of substitute equipment, facilities, or services, or any other special, incidental, or consequential damages.

To Obtain Warranty Service, call 888-585-9440

June 5, 2023



Refrigerated Countertop Cake Display Case

User Manual



ARC-100R

Thank you for choosing and purchasing our product. Please carefully read the operation instructions before use for a correct application and satisfactory effect.

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Berg Countertop Refrigerator Warranty

1 Year Limited Replacement Warranty - Valid Only in the Continental United States for Berg countertop refrigerators and refrigerated countertop cake display cases only.

Berg warrants to the original purchaser of new, qualified Berg countertop refrigerators, that such equipment will be free from defects in materials and workmanship for a period of 1 year from the date of delivery. A copy of the original receipt or other proof of purchase must be submitted and verified to obtain warranty coverage. This warranty applies to the original owner only and is not assignable.

If a Berg countertop refrigerator is found to be defective during this period, Berg will repair the defective unit, replace any defective parts, or replace the defective unit.

Exclusions

The warranty described herein does not cover the following:

- 1) The original serial number has been removed, altered or cannot be readily determined on the Berg countertop refrigerator.
- 2) Normal wear and tear and gradual deterioration on the Berg countertop refrigerator.
- 3) When the Berg countertop refrigerator has been transferred from an original owner to another party.
- 4) When the Berg countertop refrigerator has been moved outside of the continental United States.
- 5) Rust on the interior or exterior of the Berg countertop refrigerator.
- 6) When a Berg countertop refrigerator is purchased "as is."
- 7) When the Berg countertop refrigerator is defective, but the defect does not involve malfunction or defects in materials or workmanship.
- 8) When the Berg countertop refrigerator is used in way that is not in accordance with provided instructions and intended purpose.
- 9) When the Berg countertop refrigerator is installed in places other than recommended locations, including, but not limited to, outside, open air venues, and residential locations.
- 10) Expenses for making the defective Berg countertop refrigerator available for removal or accessible for the replacement Berg unit, such as removing shelves, etc.
- 11) Common wear and tear items, including, but not limited to, light bulbs, air filters, water filters, knobs, handles, gaskets, power cords, and other cosmetic parts.
- 12) Damages to the finish of the Berg countertop refrigerator that occur during installation.
- 13) When the Berg countertop refrigerator has been repaired, modified or altered by the owner or a third party.

Major Parameters

| | |
|------------------------------------|---------------------|
| Model: | ARC-100R |
| Rated Input Power(W): | 230/222 |
| Rated Current(A): | 2.6/1.95 |
| Refrigerant&Injection(g): | R134a(100)/R290(47) |
| Refrigeration Temperature(°C)(°F): | 0-10(32-50) |
| Rated Frequency(Hz): | 60 |
| Type of Climate: | 4 |
| Protected Mode: | I |
| Lamp Power(W): | 6(LED) |
| Rated Voltage(V~): | 110-120 |
| Storage Volume(L): | 100 |
| Net Weight(kg): | 50 |
| Overall Dimension (mm)(LxWxH): | 480x480x1030 |

Note

1. The electric circuit diagram and parameters on the product nameplate are final ones if they have been changed.
2. The design might be improved without notice.



WARNING:

Refrigerant is facility burning of R290, please protect against fire.



Meaning of crossed out wheeled dustbin:

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities.

Contact you local government for information regarding the collection systems available.

If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

When replacing old appliances with new ones, the retailer is legally obligated to take back your old appliance for disposals at least free of charge.

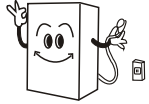

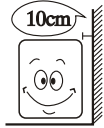
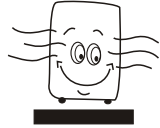
General

1. Top brand fully enclosed compressor is used on the standing refrigerator. The refrigerant R134a or R290 is of an environmentally friendly agent. It features a rational configuration of refrigeration system with blower forced air cooling. The temperature is quite even inside the refrigerator.
2. Triple hollow transparent glasses are used on door and body. It features an artistic and elegant appearance, perfect perspective and easy access.
3. It has a wide application in department store and house as well as the meeting room and sitting room.

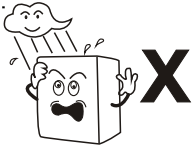
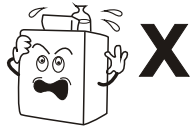
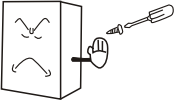
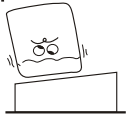
Structure and Parts



Handle and Placement

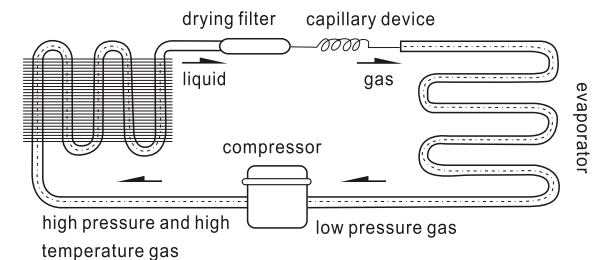
| | |
|--|--|
| <p>Handle with care Unplug the wall socket first. Never tilt it over 45 degree during handling.</p>  | <p>Dry place Always locate the refrigerator at a dry place.</p>  |
| <p>Sufficient space The distance from both sides and back of refrigerator to wall or other substance must be More than 10cm. The refrigeration capability might be decreased if its surround space is too small to circulate air.</p>  | <p>Well ventilation Always locate the refrigerator at a place with fine ventilation. For the first time use, wait for 2 hours after handling and then plug the wall socket and start it.</p>  |

Handle and Placement

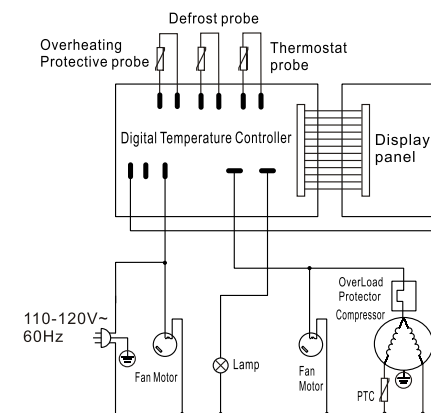
| | |
|--|--|
| <p>Far from heat source Never place the refrigerator directly under the sunshine. Never locate it nearby any heat source or heater to prevent it from reducing refrigeration capability.</p>  | <p>No heavy load Never put any heavy load on the top of the refrigerator.</p>  |
| <p>No hole making Never make hole on the refrigerator. Never install other matter on the refrigerator.</p>  | <p>Stable location To avoid the unexpected noise and vibration, Unpacking and locate the refrigerator on a flat and solid place.</p>  |

Principle of Refrigeration System and Electric Circuit Diagram

The principle of compression refrigeration consists of “compression” , “condensation” , “throttling” and “vaporization” . The compression is undertaken by compressor, the condensation is completed by condenser, the throttling valve is executed by capillary and the vaporization is implemented by evaporator. When the coolant is circulating in the closed refrigeration system, the compressor sucks coolant, which has absorbs heat in evaporator, the coolant becomes a high pressure and high temperature gas. In condenser, it dissipates heat in air, while the coolant is re-liquefied and throttled in capillary and then enters into evaporator with low pressure. The liquefied coolant quickly boils and vaporizes into gas when the pressure suddenly drops. Meanwhile, it absorbs heat inside the refrigerator. And the compressor sucks the low pressure and low temperature gaseous coolant,.....It is circulating in this way up to realization of intended refrigeration.



Circuit Diagram



Maintenance

1. Notice

Often keep the refrigerator clean and periodical maintenance is necessary.

Always unplug the socket before maintenance.

Never use damaged plug or loose socket to prevent from electric shock or short circuit.

Never flush the refrigerator. Never use alkali detergent, soap, gasoline, acetone or brush.

2. Clean outside

Dip soft cloth in neutral detergent (tableware detergent) to clean the outside of the refrigerator and then wipe it with dry soft cloth.

3. Clean inside

Take rack out for cleaning with water.

Use soft cloth to wipe the box.

4. Shut down refrigerator for a long time

Take all food out and unplug the wall socket.

Clean both inside and outside of the refrigerator thoroughly and open the door for sufficient dry.

The glass breaks easily. Keep the glass far from children.

5. Replacement of lamp in the light box

If the LED lamp is damaged, it must be replaced by the manufacturer, its service agent.

Trouble Shooting

| Trouble | Cause and Remedy |
|--|---|
| No refrigeration | Is the plug in socket well? Is the fuse broken? Is there no power? |
| Unsatisfactory refrigeration | Is it under the sunshine? Is there any heat source nearby? Is the surrounding ventilation bad? Does the door close well? Does door open for a long time? Is the door seal strip deformed or damaged? Is food congested or too much? Does food block the air suction or outlet? Regulate the temperature controller. |
| Much noise | The refrigerator does not level. The refrigerator contacts wall or other matter. There is loose part in refrigerator. |
| Contact local service agent for help if simple trouble shooting does not solve the problems. | |

Note

Following phenomena are not troubles

The murmur of water is heard when the refrigerator is working. It is a normal phenomenon as the coolant is circulating in the system.

In wet season, condensation might be found on the outside of the refrigerator. It is not a trouble, which is caused by high humidity. Simply use cloth to wipe it.

Preparation and Power Supply

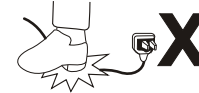
Exclusive power socket
Normally, the power supply should be 110-120V, 60Hz single phase AC with exclusive single phase three pin receptacle.



No share on socket
Never let the refrigerator share the common socket with other appliance, otherwise the cable becomes hot and fire might be resulted



Protect cables
Never break or damage the cables otherwise current leakage and fire might be resulted.



No water flushing
Never give the refrigerator surface a flush otherwise current leakage might be resulted.

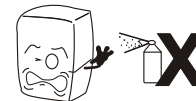


Preparation and Power Supply

Prevent from flammables and explosive
Never put any flammable or explosive inside the refrigerator such as ether, gasoline, alcohol, adhesive and explosive. Never put dangerous product nearby the refrigerator.



No spray
To spray the flammables such as paint or coating nearby the refrigerator is not allowed, otherwise fire might be resulted.



After power break
After power break or unplugging the refrigerator, always wait at least 5 minutes and then you may plug the refrigerator and start it again.



No medicine
No medicine is allowed to keep inside the refrigerator.

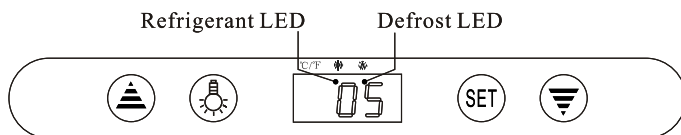


1. Before use:

Plug the refrigerator on 110-120V~ exclusive socket.

After the refrigerator running, put hand on the air suction to confirm it is sufficient cold. Then you may put food inside the cold box.

2. Digital temperature controller



It is a mini-sized and integrated intelligent controller and applicable to the compressor of one Hp.

The main functions are: Temperature Display/Temperature Control/Manual, automatic defrost by turning off/Illumination Control/Value Storing /Self Testing /Parameter Locking

Front panel operation

1. Set temperature

Press **SET** button, the set temperature is displayed.

Press **▲** or **▼** button to modify and store the displayed value.

Press **SET** button to exit the adjustment and display the cold-room temperature.

2. If no more button is pressed within 10 seconds, the cold-room temperature will be displayed.

3. Illumination: Press **Light** button, it lights; Press again, it stops.

Manual start/stop defrost: Press **Light** button and hold for 6 seconds to defrost or stop defrost.

4. Refrigerant LED: During refrigeration, the LED is on; When the cold room temp. is constant, the LED is off; During the delay start, the LED flashes.

5. Defrost LED: during defrosting, the LED is on; When it stops defrosting, the LED is off; During the delay display of defrost, the LED flashes.

6. Digital controller reset

When display shows "Disorder", press **▼** button for 2s until buzzer rings, quickly press **▲** button for 6s until buzzer rings again, the display will flash for 3s and it restores factory setting.

Troubleshooting of digital control

| Fault code | Causes | Solutions |
|------------|---|---|
| EE1 | open circuit or short circuit of temperature probe | Check if the plug on main board is loosened or not, or change temp. probe; |
| EE2 | open circuit or short circuit of defrosting probe | Check if the plug on main board is loosened or not, or change defrosting probe; |
| EE3 | open circuit or short circuit of overheating probe | Check if the plug on main board is loosened or not, or change overheating probe; |
| EE4 | overheating probe starts protecting program (58°C)(136.4°F) | 1. Too much dust on condenser (Clean the condenser) 2. Condenser motor stops working (Repair or change the motor) 3. The unit is too close to the wall. (Keep product away from the wall 50cm at least) 4. Ambient temp. is too high. (Make sure ambient temp. stays within the range as rating label specified.) |

3. Cautions

Shorten the door open time and reduce open frequency is good to keep a cold temperature inside the refrigerator.

Never block the air suction and outlet. Keep air circulation and refrigeration capability.

Do not make food congested as it will influence the cooling effect.

Adjust the rack height for proper food storage.

Cool the hot food down to room temperature before you put it into the refrigerator.

Try to reduce the open times and keep refrigerator inside cold in case the power is cut off.

Only skilled service man is allowed to repair the damaged power cable with special tools.

Never touch compressor to avoid from scald.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.

The operation manual are not suitable for the persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge.

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

During normal operation, the emission noise level does not exceed 70dB(A).

The maximum loading of the Shelf does not exceed 18kg.

The climatic class of the appliance is 4, the Units are suggested to be used at 16°C-32°C (60.8°F-89.6°F) ambient temperature.

To avoid damages or other problems, this product can not be put or stored with any corrosive food.

WARNING: Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.

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

WARNING: Do not damage the refrigerant circuit.

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