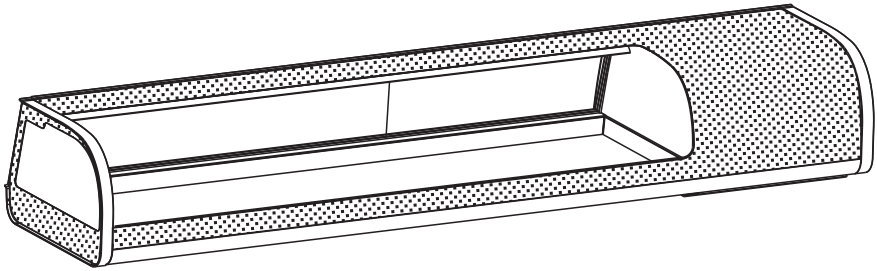
KoolMore

User Manual

Countertop Sushi Refrigerator

Models:

KM-SR46-BK, KM-SR60-BK



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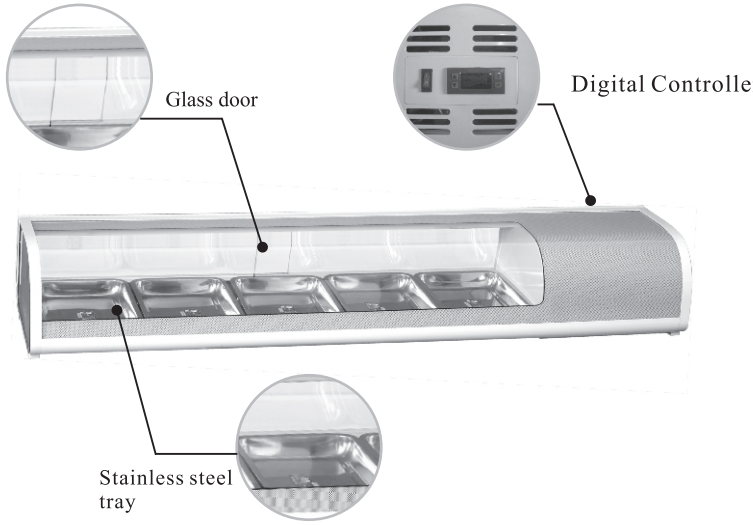
Before using, please read the operating instructions carefully to ensure proper application and achieve satisfactory results.

For any service-related Issues, please contact us:
Phone Number: 718-576-6342
Email address: support@koolmore.com

General

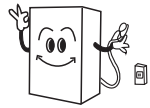
1. A high quality, fully enclosed compressor is used in this product and utilises the R134a Or R290 refrigerant which is an environmentally friendly gas. A forced air refrigeration system is used which ensures that the temperature is very even throughout the case.
2. Glazing is used throughout the product for maximum visibility and two rear mounted sliding doors allow easy access.
3. The horizontal showcase has a wide range of uses including convenience stores, bakery outlets and other food service establishments as well as offices and even homes.
4. Always allow a time of around 2 hours between moving the unit and restarting it.

Structure and Parts



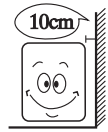
Handle

Handle with care
Unplug the wall socket first.
Never tilt it over 45 degree during handling.

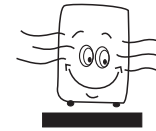


Dry place
Always locate the refrigerator at a dry place.

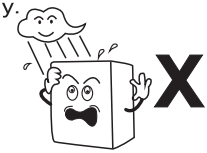
Sufficient space
The distance from both sides and back of refrigerator to wall or other substance must be more than 10cm. The refrigeration capability might be decreased if its surround space is too small to circulate air.



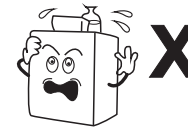
Well ventilation
Always locate the refrigerator at a place with fine ventilation. For the first time use, wait for 2 hours after handling and then plug the wall socket and start it.



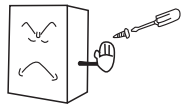
Far from heat source
Never place the refrigerator directly under the sunshine. Never locate it nearby any heat source or heater to prevent it from reducing refrigeration capability.



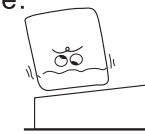
No heavy load
Never put any heavy load on the top of the refrigerator.



No hole making
Never make hole on the refrigerator. Never install other matter on the refrigerator.



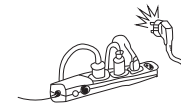
Stable location
To avoid the unexpected noise and vibration, Unpacking and locate the refrigerator on a flat and solid place.



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, other wise the cable becomes hot and fire might be resulted

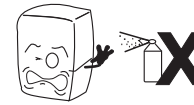


Protect cables
Never break or damage the cables otherwise current leakage and fire might be resulted.

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

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.

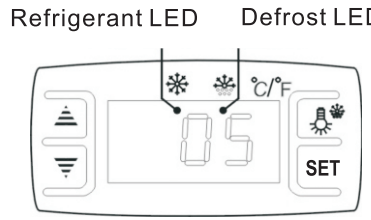
Usage Instructions

1. Before use:

Plug the fridge in to an exclusive 110-120V~ socket

Once the fridge has been running place your hand on the air extractor to confirm that it is sufficiently cold once you are happy then you may put food inside.

2. Digital temperature controller:



Features of function

- 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 burning 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 button,it lights;Press again,it stops.
   Manual start/stop defrost:Press 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 flashes.
5. Defrost LED:during defrosting,the LED is on;When is stops defrosting,the LED is off.
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.

Safety Warnings

When opening the door try to reduce the length of time that it is open for in order to keep the temperature inside cold.

Do not overload the unit with food as it will affect the cooling ability.

Always cool hot food down to room temperature before placing it in the fridge.

The unit should only be maintained by a professional engineer.
Never touch the compressor as it may be hot and burn you.

If the power cord is damaged it must be replaced by the manufacturer or a professional engineer.

Children should be supervised at all times to ensure they are not hurt by the unit.

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(39.7lb).

The climatic class of the appliance is 4, the Units are suggested to be used at 16℃-32℃(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 clear of obstruction at all times.

WARNING! Do not use mechanical devices or any other means of accelerated defrosting unless recommended by the manufacturer.

WARNING! Do not damage or modify the refrigeration circuit.

WARNING! Do not use electrical appliances inside the food storage areas unless they are recommended by the manufacturer.

Additional Warning

CAUTION! Risk of fire. The height of the triangle in the symbol shall be at least 15mm.

Maintenance

1.Notice
Always unplug the unit before performing any form of maintenance
Clean the fridge regularly using a clean, damp cloth. Do not use cleaning detergents sucks as soap, acetone or gasoline

2.Clean Outside
Dip a soft cloth in a mild detergent (washing up liquid) to clean the outside, and then wipe off with a dry soft cloth.

3.Clean Inside
Remove the tray and clean with water
Use a soft, damn cloth to wipe the interior

4.Turning off for prolonged periods
Take out all food and unplug the unit from the wall.
Clean both the inside and outside of the fridge thoroughly and open the door to allow it to dry.
Be careful as the glass can easily be broken.

5.Replacement of the light
If the LED is damaged it must be replaced by the manufacturer or their service agent.

Trouble Shooting

Problem	Cause	Remedy
No refrigeration	Is the plug in the socket correctly?	Check the plug
	Is the fuse broken?	Check fuse and replace if needed
	Is there no power from the socket?	Plug another unit into the socket to check if it works
Unsatisfactory Refrigeration	Is it in direct sunlight or near a heat source?	Move away from the heat source
	Is the surrounding area bad for ventilation?	move to an area with improved ventilation
	Does the door close correctly? Is the door left open?	Check the door
	Is the unit too full?	Remove some food
	Is the temperature controller correct	Check the controller
Unit is making irregular noise	The fridge is not sitting level	Move to a flat surface
	The fridge is vibrating off something else	Move the unit so it is not touching anything
	There is a loose part in the refrigerator	Check the interior for loose items
Contact the manufacturer for help if simple trouble shooting does not solve the problems		

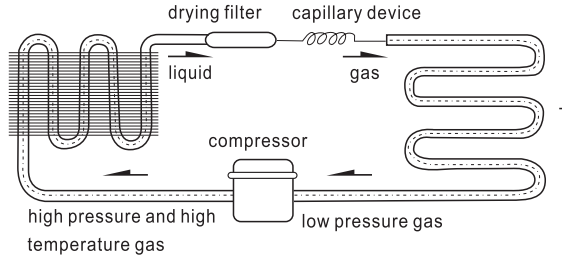
Note

The following occurrences are not problems
The noise of water is heard when the fridge is working, this is a natural occurrence as the coolant is circulating the system.

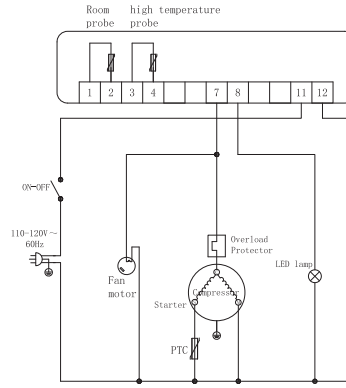
Condensation may be found on the outside of the fridge. This is not a problem, it is caused by humidity, simply use a cloth to wipe it.

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



Major Parameters

Model	KM-SR46-BK	KM-SR60-BK
Coolant and injection quantity(g)	R290(32)	R290(32)
General Rated input power(W)	180	180
Type of climate	4	4
Refrigeration temperature(℉)	32-53.6	32-53.6
Electric shock protection class	I	I
Total effective volume(L)	4*1/3GN	6*1/3GN
Net weight(Ib)	76.1	91.5
Rated voltage(V)	110-120~	110-120~
Rated Current (A)	1.83	1.83
Rated Frequency (Hz)	60	60
Overall dimension (in) (LxWxH)	46.3x16x12.5	60.2x16x12.5

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.

Warranty

Limited Service Warranty
Valid only in the United States

1 Year Parts and Labor Warranty
Unless otherwise stated, Koolmore Supply Inc. warrants to the original purchaser of new Koolmore product, that such equipment will be free from defects in material and workmanship for a period of 1 year from the date of delivery. Valid only in the Continental United States.

Coverage Limitations

The 1 year parts and labor warranty do not cover:

Failure to install and/or use the equipment within proper operating conditions specified by Koolmore. This includes but is not limited to residential, outdoor, or mobile applications.

Any adjustments necessitated by improper operating conditions.

Damage caused by improper electrical connection, power failure, or generators.

Failure to properly maintain the unit including all preventive maintenance and cleaning.

Equipment sold or used outside of United States, equipment purchased second-hand, equipment sold by an unauthorized reseller, and equipment expressly sold without warranty coverage.

Equipment without a valid serial number and proof of purchase, or other way to verify warranty coverage.

Equipment that has not been used appropriately or was subject to misuse, neglect, abuse, accident, alteration, negligence, damage during transit, delivery or installation, fire, flood, or an act of God.

Equipment that has been altered, modified, or repaired by anyone other than an authorized service agency outside of preventative maintenance and cleaning.

Parts deemed by Koolmore to be normal wear and tear parts, including hoses and select plastic or rubber components.

This warranty is only valid on equipment purchased from an authorized dealer.
Failure to contact Koolmore prior to obtaining equipment service may void your warrant

For Warranty Inquiries or Service:

1. Locate the model number.
2. Call 1-718-576-6342.
   You must have the model number when contacting service technicians.

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