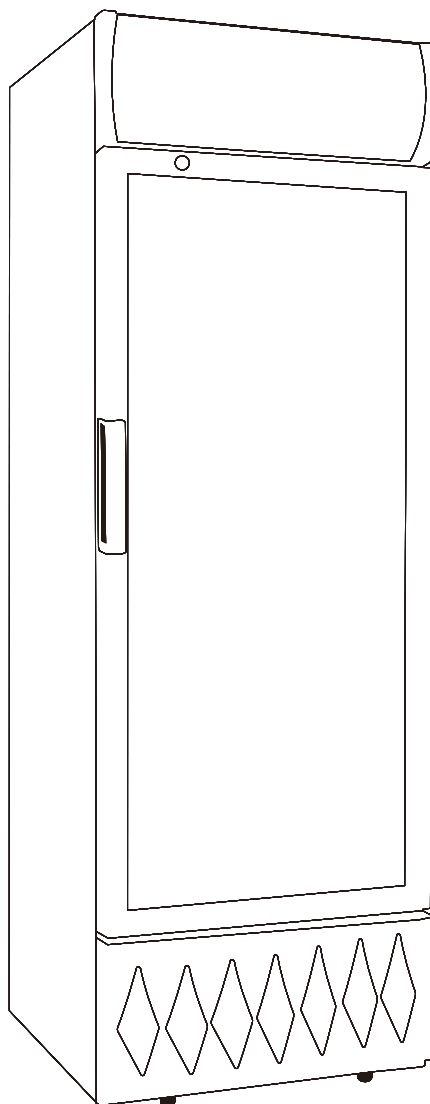


# REFRIGERATOR

## Commercial One-Door Merchandiser Refrigerator

MODELS:

MDR-1GD-12C, MDR-9C, MDR-9CP



***Unit must be kept  
clear of combustibles at all times.***

◆ **This equipment is intended for the storage and display of non-time/temperature control for safety foods bottled or canned products only.**

◆ This appliance is not intended for use by persons 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.

◆ Cleaning and user maintenance shall not be made by children without supervision.

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

◆ **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.

◆ This appliance is intended to be used in household and similar applications such as

- Staff kitchen areas in shops, offices and other working environments;
- Farm houses and by clients in hotels, motels and other residential type environments;
- Catering and similar non-retail applications.

◆ The appliance shall not be installed in public corridors or lobbies.

Notice: Component parts shall be replaced with like components so as to minimize the risk of possible ignition due to incorrect parts.

The appliance is to be installed in accordance with the Safety

◆ **WARNING**

The appliance shall be stored in a room without continuously operating ignition sources, for example: open flames, an operating gas appliance or an operating electric heater.

Do not pierce or burn.

Be aware that refrigerants may not contain an odour.

◆ **WARNING:** The appliance shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation;


◆ **WARNING:** The appliance shall be stored so as to prevent mechanical damage from occurring.

◆ Check that cabling will not be subject to wear, corrosion, excessive pressure, vibration, sharp edges, or any other adverse environmental effects. The check shall also take into account the effects of aging or continual vibration from sources such as compressors or fans.

◆ Before carrying out Decommissioning procedure, it is essential that the technician is completely familiar with the equipment and all its detail. When removing refrigerant from a system, it is recommended good practice that all refrigerants are recovered safely. Prior to the task being carried out, an oil and refrigerant sample shall be taken in case analysis is required prior to re-use of recovered refrigerant. It is essential that electrical power is available before the task is commenced.

The recovery equipment shall be in good working order with a set of instructions concerning the equipment that is at hand and shall be suitable for the recovery of all appropriate refrigerants including, when applicable, FLAMMABLE REFRIGERANTS

The recovered refrigerant shall be returned to the refrigerant supplier in the correct recovery cylinder, and the relevant waste transfer note arranged. Do not mix refrigerants in recovery units and especially not in cylinders.

	Refrigerant class A3 per ANSI/ASHRAE 34
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Warning: Risk of fire / flammable materials, taking care to avoid causing a fire by igniting flammable material

The maximum loading of each type of shelf is 22.35kg/49.3lbs

The ambient temperature and humidity conditions of the showcase climate class following the tab below

Test room climate class	Dry bulb temperature °C	Relative humidity %	Dew point °C	Water vapour mass in dry air g/kg
0	20	50	9.3	7.3
1	16	80	12.6	9.1
8	23.9	55	14.3	10.2
2	22	65	15.2	10.8
3	25	60	16.7	12.0
4	30	55	20.0	14.8
6	27	70	21.1	15.8
5	40	40	23.9	18.8
7	35	75	30.0	27.3
NOTE: the water vapour mass dry air is one of the main points influencing the performance and the energy consumption of the cabinets. Therefore, the order of the climate class in the table is based on the water vapour mass column. See also Annex B to compare lab and store conditions.				

- All maintenance staff and others working in the local area shall be instructed on the nature of work being carried out. Work in confined spaces shall be avoided.
- If any hot work is to be conducted on the refrigerating equipment or any associated parts, appropriate fire extinguishing equipment shall be available on hand. A dry chemical or CO2 fire extinguisher should be adjacent to the charging area.
- Notice: Servicing shall only be performed as recommended by the equipment manufacturer. Maintenance and repair requiring the assistance of other skilled personnel shall be carried out under the supervision of the person competent in the use of flammable refrigerants.
- No person carrying out work in relation to a REFRIGERATING SYSTEM which involves exposing any pipe work shall use any sources of ignition in such a manner that it may lead to the risk of fire or explosion. All possible ignition sources, including cigarette smoking, should be kept sufficiently far away from the site of installation, repairing, removing and disposal during which refrigerant can possibly be released to the surrounding space. Prior to work taking place, the area around the equipment shall be surveyed to make sure that there are no flammable hazards or ignition risks  
“No Smoking” signs shall be displayed.
- Checking for presence of refrigerant, the area shall be checked with an appropriate refrigerant detector prior to and during work, to ensure the technician is aware of potentially toxic or flammable atmospheres. Ensure that the leak detection equipment being used is suitable for use with all applicable refrigerants, i.e., nonsparking, adequately sealed, or intrinsically safe.
- Ensure that the area is in the open or that it is adequately ventilated before breaking into the system or conducting any hot work. A degree of ventilation shall continue during the period that the work is carried out. The ventilation should safely disperse any released refrigerant and preferably expel it externally into the atmosphere. Where electrical components are being changed, they shall be fit for the purpose and to the correct specification. At all times, the manufacturer's maintenance and service guidelines shall be followed. If in doubt, consult the manufacturer's technical department for assistance.
- Detection of flammable refrigerants: Under no circumstances shall potential sources of ignition be used in the searching for or detection of refrigerant leaks. A halide torch (or any other detector using a naked flame) shall not be used.

## Warning!!

DANGER: Risk of fire or explosion. Flammable refrigerant R600a used. To be repaired only by trained service personnel. Do not use mechanical devices to defrost refrigerator. Do not puncture refrigerant tubing.

Allow to stand for a minimum of 4 hours before plugging in to the mains.

## Transportation and Set Up

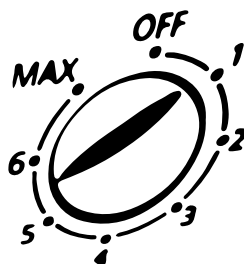
1. Do not transport the unit on an incline of more than 45 degrees.
2. Remove all packaging before using the Refrigerator.
3. Install the Refrigerator in a well ventilated area, with a 4" clearance around the cabinet walls for proper air circulation.
4. Ensure the Refrigerator is placed on a stable surface to avoid vibration and noise.
5. Install the Refrigerator in a dry area, do not use under direct sunlight, keep away from any corrosive materials.
6. Before using the refrigerator, allow the unit to run for approximately one hour.

## Safety

1. If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
2. Please according to local regulations regarding disposal of the appliance for its flammable blowing gas. Before you scrap the appliance, please take off the doors to prevent children trapped.
3. Warning: the appliance shall be installed in accordance with national wiring regulations.
4. The appliance is to be installed in accordance with the Safety Standard for Refrigeration Systems, ANSI/ASHRAE 15.
5. Any person who is involved with working on or breaking into a refrigerant circuit should hold a current valid certificate from an industry accredited assessment authority, which authorizes their competence to handle refrigerants safely in accordance with an industry recognized assessment specification.
6. If power is cut off, wait at least 5 minutes before turning on again to avoid damage to the compressor.
7. The temperature control may need to be adjusted based on the amount of food in the refrigerator and the ambient room temperature. More food or a higher room temperature may require a lower temperature setting (higher number).
8. Do not overload the refrigerator, leave room between products to allow for proper air circulation.
9. Please make sure that your unit has its own dedicated outlet.
10. Do not use an extension cord.

## Temperature Control

The temperature can be controlled with the temperature control knob.



To adjust the temperature turn the knob clockwise. The higher the number the lower the temperature. Generally, position '4' or '5' is suggested to make a normal setting. The "OFF" position will stop the compressor while the "MAX" position will allow the compressor to continually run. Do not keep the knob at this point for more than 4-5 hours.

## Maintenance

- The Refrigerator should be cleaned regularly. When cleaning, turn off the power, remove the product and clean the inside using water or a little neutral detergent.
- Do not use boiling water, acid, chemical diluents, petrol and oil, or dirt-removing powder.
- Dry it after cleaning.
- Use light soap water when cleaning the door seal, apply a little of talcum powder on it after natural drying to extend its service life.
- Use soft cloth with water or a little detergent to clean the out surface. Note, keep the power supply away from water.



# 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.

### **For Warranty Inquiries or Service:**

This warranty is only valid on equipment purchased from an authorized dealer.

Locate the model number.

Next, call 1-718-576-6342. You must have the model number when contacting service technicians.

Failure to contact Koolmore prior to obtaining equipment service may void your warrant.

