



KoolMore Commercial Milk Cooler For School and Cafeteria

Models: KM-MC34-HDC, KM-MC49-HDC, KM-MC58-HDC



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

For any service-related issues, please contact us:



718-576-6342

Support@koolmore.com

Stay informed with the latest information for your KoolMore Cooler.

If you need any assistance or have questions, our customer support team is here to help.

Contents

Installation	4
Operation	5
Maintenance	5
Troubleshooting	6
Warranty	7

INSTALLATION

INSPECTION

When your equipment arrives, check all items against the shipping list to ensure everything was delivered. Inspect the equipment immediately for any damage. If you find damage, contact customer service right away for assistance.

INSTALLATION

General Instructions

Carefully remove the skid to avoid damaging the cooler. Do not tilt the cabinet when installing casters or legs. Make sure the casters or legs are securely attached.

Location Requirements

The refrigeration system at the bottom of the cabinet needs proper airflow. Keep at least four inches of space between the sides of the cabinet and any walls. Make sure the cooler is level to ensure proper drainage and operation.

Electrical Guidelines

Plug the unit into a standard 110-volt outlet. Do not use an extension cord. All electrical connections must comply with local and national electrical codes. For details, check the serial tag on the equipment.

OPERATION

GENERAL OPERATION

The milk coolers are cooled entirely by convection using copper coils that completely encircle the perimeter of the storage compartment. During the refrigeration process, heat is removed through the evaporator tubing and expelled through the condensing unit. It is important that airflow through the side louvers is not restricted to ensure the condensing unit operates properly.

Under normal operating conditions, any frost that accumulates on the walls during the "on" cycle of the condensing unit may melt during the "off" cycle. Drains are installed in all milk coolers to handle melting frost.

The refrigeration system uses a thermostat that senses the cut-in and cut-out temperatures of the cold wall evaporator coil. The temperature can be adjusted using the thermostat control knob, which is located behind the louvered side panel.

GENERAL MAINTENANCE

Periodic Cleaning

From the initial installation, the interior surfaces of the cabinet should be periodically wiped down with a solution of warm water and baking soda to remove odors caused by spills. The exterior should also be cleaned regularly with a commercial glass cleaner or mild soap and water. Do not use abrasive cleaners or alkaline solutions.

Monthly, clean the condenser to improve heat transfer and maintain system efficiency. To do this, remove the louvered panel and use a wire brush to loosen dirt on the fins. Once the dirt is loosened, use a vacuum cleaner to remove it.

Troubleshooting

Issue	Possible Cause	Solution
Compressor will not start, no	1. Service cord unplugged	1. Plug in service cord
hum		
	2. Fuse blown or removed	2. Replace fuse
	3. Overload tripped	3. Determine reason and correct
	4. Control stuck open	4. Repair or replace
	5. Wiring incorrect	5. Check wiring against the diagram
	4 · •	
Compressor will not start, hums	1. Improperly wired	1. Check wiring against the diagram
but trips on overload protector		
	2 louveltage to wit	2 Determine responsed enrect
	3 Starting capacitor defective	3 Determine reason and replace
		5. Determine reason and replace
	4. Relay failing to close	4. Determine reason, correct, or replace
		in Determine reasony correct, or replace
Compressor starts and runs	1. Low voltage to unit	1. Determine reason and correct
but short cycles on overload		
protector		
	2. Overload defective protector	2. Check current, replace overload protector
	3. Excessive head pressure	3. Check ventilation or restriction in the system
	4. Compressor hot-return gas hot	Check refrigerant charge, fix leak if needed
Compressor operates long or	1. Short of refrigerant	1. Fix leak, add charge
continuousiy	D. Causting Lagrants at a truck	D. Dauasin an usuala as
	2. Control contact stuck	2. Repair or replace
		5. Demost manually and find cause
	4 Restriction in refrigeration system	4 Find and remove restriction
	5. Dirty condenser	5. Clean condenser
Compressor runs fine but short	1. Overload protector	1. Check wiring diagram
cycles		
	2. Cold control	2. Widen differential
	3. Overcharge	3. Reduce charge
	4. Air in system	4. Purge and recharge
	5. Undercharge	5. Fix leak, add refrigerant
Starting capacitor open, shorted, or blown	1. Relay contacts stuck	1. Clean contacts or replace relay
	2. Low voltage to unit	2. Determine reason and correct
		D. Davida ea
Delay defective or burned out	3. Improper relay	3. Replace
Relay delective or burned out	1. Incorrect reidy	Check and replace Determine reason and correct
Refrigerated space too warm	1 Control setting too high	1 Reset control
	2. Refrigerant overcharge	2. Purge refrigerant
	3. Dirty condenser	3. Clean condenser
	4. Evaporator coil iced	4. Determine reason and defrost
	5. Not operating	5. Replace if necessary
Standard temperature system	1. Control setting is too low	1. Reset the control
freezes the product		
	2. Control points stuck	2. Replace the control
Objectionable noise	1. Fan blade hitting fan shroud	1. Reform or cut away a small section of the shroud
	2. Tubing rattle	2. Locate and reform
	3. Vibrating ran blade	3. Replace fan blade
		H. CHECK MOLOF DRACKEL MOUNTING, TIGHTEN
	5 General vibration	5 Loosen compressor suspension holts if applicable
	6. Worn fan motor bearings	6. Replace fan motor
Pan area	1. No cooling	1. Make sure the switch is in the "on" position
	2. Too cold	2. Adjust temperature control – see instructions
		under pan area
	3. Too warm	3. Adjust temperature control – see instructions
		under pan area



WARRANTY

LIMITED WARRANTY

Koolmore Supply, Inc. extends a limited warranty to the original purchaser, guaranteeing that this Koolmore product is free from manufacturing defects in material or workmanship for one year from the date of purchase.

Should you discover any such defect within the warranty period, Koolmore Supply, Inc., reserves the right to repair or replace the product without charge, or to cover the cost of replacement parts and repair labor needed to correct defects present at the time of purchase or resulting from regular usage, when the appliance has been installed, operated, and maintained as per the instructions provided.

At its sole discretion, Koolmore Supply Inc. may decide to replace the product. In such an event, your replacement appliance will carry the warranty for the remaining term of the original unit's warranty period.

This warranty is valid exclusively to the original purchaser of the product and only applicable within the United States. The warranty commences from the date of original consumer purchase. Proof of the original purchase date will be required to obtain service under this warranty.

Under this limited warranty, your sole and exclusive remedy will be product repair, as outlined above. All services must be provided by a Koolmore-designated service company.

To claim warranty or request repair service:

Email support@koolmore.com. Please include your name, address, phone number, warranty repair request, and a copy of your proof of purchase receipt. Alternatively, visit koolmore.com and use the contact us page. A Koolmore customer service representative will promptly arrange service for your appliance. We thank you for choosing Koolmore.

WARRANTY EXCLUSIONS

This limited warranty will not cover:

1. Failure of the product to perform during power failures or interruptions,

or due to inadequate electrical service.

2. Damage incurred during transportation or handling.

3. Damage caused by accidents, vermin, lightning, winds, fire, floods, or acts of God.

4. Damage resulting from accidents, alterations, misuse, abuse, improper installation, repair, or maintenance.

This includes using any external device that alters or converts the voltage or frequency of electricity.

5. Unauthorized product modifications, repairs by unauthorized centers, or use of non-approved replacement parts.

6. Abnormal cleaning and maintenance not aligned with the user's manual.

7. Use of incompatible accessories or components.

8. Any costs associated with repairs or replacements under these excluded circumstances shall be the responsibility of the consumer.

