# **AGA MARVEL**

Installation
Operation
and
Maintenance
Instructions

Refrigerated Drawer Model

60RDE



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### **Important Safety Instructions**

Warnings and safety instructions appearing in this guide are not meant to cover all possible conditions and situations that may occur. Common sense, caution, and care must be exercised when installing, maintaining, or operating this appliance.

# Recognize Safety Symbols, Words, and Labels.

# **A** CAUTION

**CAUTION-**Hazards or unsafe practices which could result in personal injury or property or product damage.

# **MARNING**

**WARNING-**Hazards or unsafe practices which could result in personal injury.

### **NOTE**

**NOTE-**Important information to make a problem free installation.



**AGA MARVEL** is committed to building a quality product in an environmentally friendly manner. Our processes are tightly controlled and closely monitored. We have achieved certifications in ISO 9001 for quality assurance and ISO 14001 for environmental management from Lloyd's Register Quality Assurance.





### **UNPACKING YOUR REFRIGERATED DRAWERS**

### **Remove Packaging**

Your refrigerated drawers have been packed for shipment with all parts that could be damaged by movement securely fastened. Cut the banding material at the bottom of the carton, unfold the cartoning at the bottom and remove the carton from the appliance. Remove the plastic bag, styrofoam corner posts, and any tape holding the drawers closed and internal components in place. The owners manual is shipped inside the drawer in a plastic bag along with the warranty registration card.

### **Important**

Keep your carton packaging until your refrigerated drawers have been thoroughly inspected and found to be in good condition. If there is damage, the packaging will be needed as proof of damage in transit. Afterwards please dispose of all items responsibly in particular the plastic bags which can be a suffocation hazard.

### Note to Customer

This merchandise was carefully packed and thoroughly inspected before leaving our plant. Responsibility for its safe delivery was assumed by the retailer upon acceptance of the shipment. Claims for loss or damage sustained in transit must be made to the retailer.

DO NOT RETURN DAMAGED MERCHANDISE TO THE MANUFACTURER - FILE THE CLAIM WITH THE RETAILER.

If the unit was shipped or has been laying on its back for any period of time allow the refrigerator to sit upright for a period of at least 24 hours before plugging in. This will assure oil returns to the compressor. Plugging the refrigerator in immediately may cause damage to internal parts.

### **Warranty Registration**

It is important you send in your warranty registration card immediately after taking delivery of your refrigerated drawers or you can register online at www.agamarvel.com.

The following information will be required when registering your unit.

Model Number Serial Number Date of Purchase Dealers name and address

The model number and serial number ca be found on the serial plate which is located on the bottom of the cabinet liner in the left front corner. Open the bottom drawer to full extension to view it.

# A CAUTION

### **Help Prevent Tragedies**

Child entrapment and suffocation are not problems of the past. Junked or abandoned refrigerators are still dangerous - even if they sit out for "just a few days".

If you are getting rid of your old refrigerator, please follow the instructions below to help prevent accidents.

Before you throw away your old refrigerator or freezer:

- Take off the doors or remove the drawers.
- Leave the shelves in place so children may not easily climb inside.

### INSTALLING YOUR REFRIGERATED DRAWERS

### **Select Location**

The proper location will ensure peak performance of your appliance. We recommend a location where the unit will be out of direct sunlight and away from heat sources. To assure your product performs to specifications the recommended installation location temperature range is from 55 to 100°F (13 to 38°C).

### **Leveling Legs**

Adjustable legs at the front and rear corners of the unit should be set so the unit is firmly positioned on the floor and level from side to side and front to back. Turn leveling legs clockwise to raise unit, counterclockwise to lower it. (See Figure 1).

### **Cabinet Clearance**

Ventilation is required from the bottom front section of the unit. Keep this area open and clear of any obstructions. Adjacent cabinets and counter top can be installed around the unit as long as the grille and drawer access remain unobstructed.

# **A** CAUTION

- Do not splash or spray water from a hose on the refrigerator! Doing so may cause an electrical shock, which may result in severe injury or death.
- This unit should not, under any circumstances, be ungrounded.

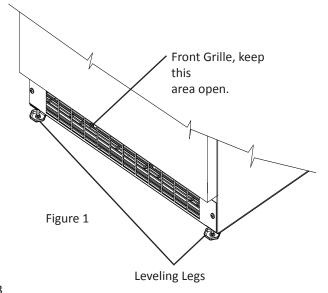
### **Grounding Method**

This product is factory equipped with a power supply cord that has a three-pronged, grounded plug. It must be plugged into a mating grounding type receptacle in accordance with the National Electrical Code and applicable local codes and ordinances (see Figure 2). If the circuit does not have a grounding type receptacle, it is the responsibility and obligation of the customer to exchange the existing receptacle in accordance with the National Electrical Code and applicable local codes and ordinances. The third ground prong should not, under any circumstances, be cut or removed.

# **A** CAUTION

### **Front Grille**

Do not obstruct the front grille. The openings within the front grille provide air to flow into and exit from the refrigerator condenser. For this reason it is important this area to not be obstructed and be kept clean. AGA MARVEL does not recommend the use of custom made grilles as air flow may be restricted because of inadequate openings. (See Figure 1).



### **Electrical Connection**

115 volts, 3.3 amps running max. A 15 amp dedicated circuit is required. A 3 prong grounded receptacle is required.



Do not use an extension cord with this appliance.

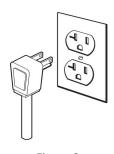


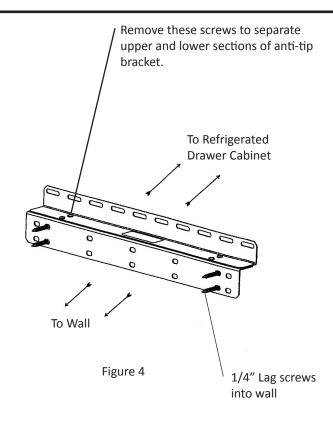
Figure 2

# **A** CAUTION

### Anti - Tip Device

A cabinet "anti—tip" device is mounted to the back of your refrigerated drawer unit. If your installation is a built — in under counter application with a counter-top directly above the unit this item can be removed, it does not need to be applied. If your unit is a freestanding application with no counter-top directly above the top of the unit, you must apply this feature to prevent the unit from tipping forward when the drawers are pulled out. The anti—tip device is installed on the back of the unit. The anti—tip device reduces the chance of personal injury as well as property damage when properly installed between the back of the unit and the adjacent wall. Please see the following instructions for installing the anti-tip device.

- Push the unit against the wall so the anti-tip bracket is flush to the wall adjacent to the back panel. Level the unit with the leveling legs provided in the cabinet bottom. (See Leveling Legs on page 3).
- Using a pencil and the bracket as a template, trace the bracket on the wall, making sure 2 of the screw holes are aligned with a stud in the wall.
- 3. Pull the unit away from the wall.
- 4. Remove the screws that connect the upper and lower sections of the anti-tip bracket.
- Place the bracket on the wall and mark and drill 3/16" diameter pilot holes for the provided ¼" lag screws. Mount the lower section to the wall with the ¼" lag screws.
- 6. Move the unit into place aligning the screw holes between the upper and lower brackets and secure with the screws removed in step 4.



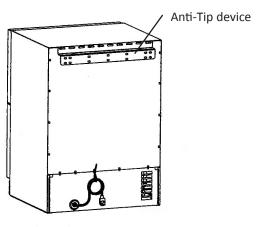
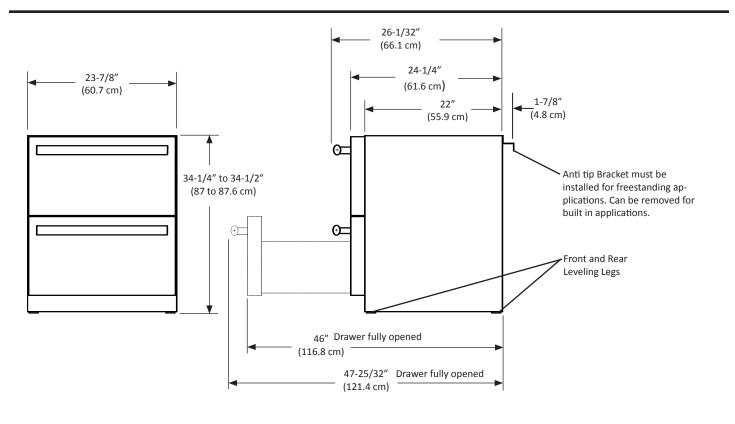


Figure 3



# RECOMMENDED ROUGH IN OPENING DIMENSIONS, INDOOR MODEL 60RDE

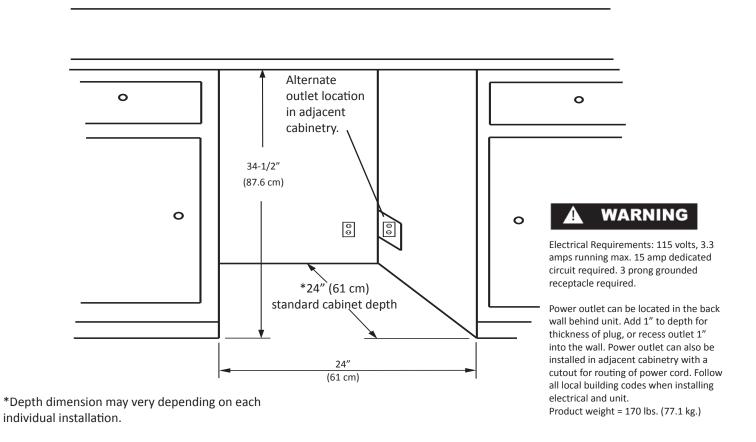


Figure 5



### **Start Your Appliance**

Your refrigerated drawers have been fitted with a **Sentry System™** refrigeration monitor. It is located at the top front of the cabinet and can be accessed by opening the top drawer. Your appliance will start upon initial plug-in. On start the Sentry System™ monitor will flash amber. This is normal. Press the "ON/OFF" button and the appliance resets and the LED turns green. (Refer to Figure 5 above).

### **Set Your Temperature Mode**

This product can display either Fahrenheit or Celsius. To do so, press the " $^{\circ}F/C$ " button on the display panel to change from one to the other.

### Set the desired temperature

The available temperature range of the unit is from 33° to 47°F (1° to 8° C). This range allows flexibility of temperature preferences and provides the ideal storing and serving temperatures. The temperature is initially set in the factory at 37° F (3° C). The temperature set point can be lowered or raised by first pushing the "SET" button on the display pad. A "SET" icon will be displayed in the temperature display. Pressing and releasing either the "WARMER" or "COLDER" buttons located on the display pad will raise or lower the set temperature by one (1) degree at a time. As with any refrigeration product, there will be slight temperature variance at different locations within the cabinet.

### **Load Your Appliance**

Load your appliance with your desired items. Please note that it may take up to 24 hours for your refrigerator to reach the desired temperature once loaded. This will primarily depend on the amount of contents loaded into the refrigerator and the amount of opening and closings of the drawers. Consider this when initially loading the drawers. Best results will be obtained by first allowing the drawers to "pull down" to your set temperature before loading the drawers.

### **Interior Light**

The upper and lower interior lights make it easy to view your food and beverages. The light will always come on when either drawer is opened, except when unit is in Sabbath Mode.

### **Defrost Cycle**

In order to maintain optimal performance, your refrigerator must periodically enter a defrost cycle to clear frost buildup. During the defrost cycles, the display will show DEF, and changes to setpoint and °F/°C setting may not be made.

### Sabbath Mode

Your refrigerated drawers are equipped with a Sabbath Mode feature. By activating this mode, you will be disabling all displays, audible alarms and lights. To activate the Sabbath Mode, press and hold the "SET" button while pressing the "°F/C" button four (4) times within seven (7) seconds. To disable the Sabbath Mode, repeat the process. The Sabbath Mode will deactivate automatically after 72 hours.

### **USING YOUR REFRIGERATED DRAWERS**





### **Warning Alarms**

The Sentry System™ monitor will let you know if your unit is not functioning properly for the following reasons. Door ajar, high or low temperature, and power failure. These alarms are explained below.

### **Door Ajar Alarm**

If the drawer has been left open for over five (5) minutes, the alarm will sound and the LED will flash green. This will stop as soon as the drawer is closed, or can be reset by pressing the "ON/OFF" button.

### **High and Low Temperature**

If your unit reaches temperatures outside normal operating temperatures for your set point for more than one (1) hour, an alarm will sound and the LED will flash red. This will warn you that your contents have seen temperatures that may not be conducive for long-term storage. This alarm can be reset by pressing the "ON/OFF" button.

### **Power Failure**

If your unit experiences a power failure, the LED will flash amber until the alarm is reset by pressing the "ON/OFF" button.

### **Reset Alarms**

Press the "ON/OFF" button for approximately one (1) second. This will reset all audible and display alarms when the button is released.

### **Enable/Disable Sentry System™ Alarms**

Press and hold the "SET" key for five (5) seconds to enable or disable the Sentry System™alarms. LED will display a steady green when enabled or a steady amber when disabled.

### **Quick Reference Guide**

The quick reference guide on page 8 and 9 can be removed from this manual and retained near the appliance for quick access to the Sentry System™ functions.

# Sentry System™ "Basic" Function "Quick" Reference



Note: All keypad presses are confirmed with an audible tone when released.

Function	Function Access	Control Confirmation / Comment
Turn Unit On & Off	Pressing and holding the "On/Off" key for five seconds will turn the unit "ON" or "Off".	The display will be blank when the refrigeration system is off. Lights will still function, but will time-out in 15 minutes after each activation if drawer is left open, to prevent overheating.
Adjust and View Temperature set-point	To adjust the temperature set-point, press the "SET" key and current set-point will be displayed. Use the "WARMER" or "COLDER" keys to adjust set-point temperature.	"SET" will appear in temperature display when in set-point mode. "SET" mode will automatically time-out in ten (10) seconds if no keypad activity occurs, or you may exit "SET" mode by pressing the "SET" key .a second time.
Display "Actual" Temperature	The display represents real time monitoring. Some temperature fluctuation around the set-point will be noticeable as the refrigeration system cycles on and off to maintain the desired temperature.	Temperature variation in "compartment" air, above and below set-point, is a normal effect of refrigeration system cycling on and off. Stored items will not experience the full temperature swing of the compartment air due to the dampening effect of their thermal mass.
Select °F or °C Display	Pressing the "°F/°C" key will toggle the display between Fahrenheit and Centigrade temperature display.	i.e. 55°F = 13°C
Sabbath Mode	Press and hold the "SET" key while pressing the "°F/°C" key four (4) times in seven (7) seconds.	The display will flash "SA" seven (7) times, then the unit will enter Sabbath Mode. The display, audible alarms, LED, and lights will be disabled. Sabbath Mode will automatically time-out in 72 hours., or can be exited by repeating the enabling process.
Sentry System™ alarms	No action required. System monitoring is automatically enabled unless system has been disabled (see below).	Sentry System™ LED displays a steady green when Sentry System™ is enabled.
Drawer Ajar Alarm	No action required if Sentry System™ is enabled.	Audible alarm will sound 3 times every 30 seconds, the LED will flash green. Close drawer to reset alarm.
High/Low Temp Alarm	No action is required if Sentry System" is enabled. NOTE: This alarm may occur when changing set-points and/or high usage, this is normal.	Alarm will sound 6-times every minute and LED will flash red if product temperature excursions occur for a duration outside acceptable limits.
Power Failure Alarm	No action required if Sentry System <sup>™</sup> is enabled. NOTE: Alarm will occur upon initial installation, since unit was run at the factory to verify quality, this is normal.	LED will flash amber whenever power is interrupted to unit. There is no audible signal. Press ON/OFF button to reset alarm.
Reset Alarms	Close drawer to reset "DOOR AJAR" alarm. Press the "ON/OFF" key to reset all other alarms.	Note that although pressing the "ON/OFF" key resets the alarms, the alarm will resume if the "alarm condition" still exists.
Enable / Disable Sentry System™alarms	Press and hold the "SET" key for five (5) seconds to enable or disable the Sentry System™ alarms.	LED displays a steady green when alarms are enabled. LED displays a steady amber when they are disabled.

# Sentry System™ "Troubleshooting" Function "Quick" Reference



Note: All keypad presses are confirmed with an audible tone when released.

Function	Function Access		Control Confirmation / Comment	on / Cor	nment	
Show Room Mode	Enable the showroom mode by pressing and holding the "ON/OFF" key while performing a "Power On Reset" (POR). i.e. disconnect and reconnect the power supply to the unit. Exit Showroom Mode by initiating a POR only.		Show Room Mode will disable the refrigeration system and fans while allowing the internal lights, display, and user interface panel to function. Lights will time-out after 15 minutes of continuous on-time while in Show Room Mode as a safety feature. The 15 minute light on time can be reactivated by closing and opening the door or by pressing the "LIGHT" key.	system and f I to function. I n Show Room activated by cl	fans while all Lights will tin Mode as a si losing and op	owing the ne-out afety ening the
	E1 Compressor fault, (high/low amps)					
	E2 Condenser fan motor fault, (high/low amps)					
Error Codes	E3 Evaporator thermistor "sensor B" fault, (out of range)					
	E4 Display thermistor "sensor A" fault, (out of range)					
	Please call a qualified service technician if any of these codes are displayed.					
		Service I software and char	Service Diagnostics Mode enables service technicians to identify the firmware and software versions, test status of "model specific" system components and sensors, and change state of components where applicable, (i.ecompressor "ON/OFF"	nicians to ider c" system con able, (i.ecom	ntify the firm nponents and npressor "ON	ware and d sensors, I/OFF"
		etc.). Whi "SET" key the "WAR available:	etc.). While in Service Diagnostics Mode, tests are incremented by pressing the "SET" key and specific component state can be changed to "on" or "off" by pressing the "WARMER" or "COLDER" keys respectively. The following component tests are available:	are increment changed to " The following	ted by pressii on" or "off" k g component	ng the oy pressing tests are
			Availabl	Available Status Indicators	icators	
	To enter and exit Service Diagnostics Mode. press and hold the "WARMFR" key	Test #	Component Description	OK	Off/ Open	On/ Shorted
	while pressing the "COLDER" key four (4) times in five (5) seconds. Service Diag-	0 -6	Temperature Sensor, Upper	-0	00	01
	nostics Mode will automatically exit after five (5) minutes of no keypad entry.	1	Temperature Sensor, Lower	1-	10	11
Service Diagnostics	Display Error Code Reference:	2	Compressor	n/a	20	21
	The microprocessor in the control continually monitors critical refrigeration system components for proper preserved in from property assessed normal	S- 3	Interior / Ice Maker Fan	n/a	30	31
	operation specifications, the display will automatically flash the respective error	or 4	Reverse Gas Solenoid	n/a	40	41
	code as follows:	2	Condenser Fan	n/a	50	51
		9	Mullion Heater	n/a	09	61
		7	Door A Sense	n/a	70	71
		∞	Door B Sense	n/a	80	81
		6	Door C Sense	n/a	06	91
		NOTE: T "ON/OF Door ser	NOTE: The Door Sense is located between the Upper Compartment Display and the "ON/OFF" key and can be tested with any magnet. Door sense "C" (Test #9) is in the menu but not available on drawer units.	Upper Compa net. : available on	artment Displ drawer units	ay and the

### CARE AND CLEANING OF YOUR REFRIGERATED DRAWERS

### Condenser

The machine compartment located beneath the cabinet does not require frequent cleaning; however, satisfactory performance depends on adequate ventilation. Be sure nothing obstructs the required air flow openings in front of the cabinet. At least once or twice a year, brush or vacuum lint and dirt from the front grille openings. See Figure 1 on page 3.

### Cabinet

The painted cabinet can be washed with either a mild soap and water and thoroughly rinsed with clear water. NEVER use abrasive scouring cleaners.

### Interior

Wash interior compartment with mild soap and water. Do NOT use an abrasive cleaner, solvent, polish cleaner or undiluted detergent.

### **Care of Unit**

- 1. Avoid leaning on the drawer fronts, you may bend the drawer slides or tip the unit.
- 2. Exercise caution when sweeping, vacuuming or mopping near the front of the unit. Damage to the grille can occur.
- 3. Periodically clean the interior of the unit as needed.
- 4. Periodically check and/or clean the front grille as needed.

### **AVAILABLE OPTIONS FOR YOUR DRAWER REFRIGERATOR**

### **E-Z Stor Storage System**

Removable stainless steel bins with clear plastic lids can be moved to prep, cook, or serving areas as desired. Available for 60RDE upper and lower drawers.

P/N 42245441 for 60 upper or lower drawers.

For further information on available options visit the AGA MARVEL web-site at www.agamarvel.com or contact your AGA MARVEL dealer.

### **NOTE**

When installing these options in the drawers the standard drawer divider will have to be removed.

### **Drawer Dividers**

Fully adjustable stainless steel drawer dividers allow for optimum storage and organization of storage space.

P/N 42245444 for 60RDE upper drawer.

P/N 42245445 for 60RDE lower drawer.

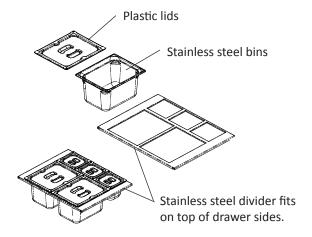
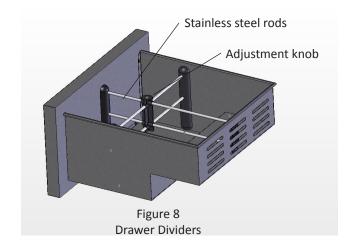


Figure 7 E-Z-Store Storage System



### TROUBLESHOOTING YOUR REFRIGERATED DRAWERS

### **Before You Call for Service**

If the unit appears to be malfunctioning, read through this manual first. If the problem persists, check the troubleshooting guide below. Locate the problem in the guide and refer to the cause and its remedy before calling for service. The problem may be something very simple that can be solved without a service call. Some remedies listed in the Troubleshooting Guide are very complex. Consulting or contracting a qualified service technician may be necessary.

# **M** WARNING

**Electrocution Hazard -** Never attempt to repair or perform maintenance on the unit until the main electrical power has been disconnected.

Problem	Possible Cause	Remedy
Unit not cold enough.	Control set too warm.	Adjust temperature colder. (See "Set the desired temperature" on page 6). Allow 24 hours for temperature to stabilize.
	Airflow to front grille blocked.	<ul> <li>Airflow must not be obstructed to front grille. See "clearances" on page 3.</li> </ul>
	<ul><li>Excessive usage or prolonged drawer openings.</li><li>Drawer gasket not sealing properly.</li></ul>	<ul><li>Allow temperature to stabilize for at least 24 hours.</li><li>Adjust or replace drawer gasket.</li></ul>
Unit too cold.	Control set too cold.	Adjust temperature warmer. (See page 6, "set the desired temperature"). Allow 24 hours for temperature to stabilize.
No interior light in drawer compartments.	Failed LED interior light assembly.	Contact a qualified AGA MARVEL service technician.
Light will not go out when drawer is closed.	Drawer not activating light switch.	Unit not level, level unit, (See page 3, "leveling legs")
Noise or Vibration.	Unit not level.	Level unit, see "Leveling Legs" on page 3.
Unit will not run.	Unit turned off.	Turn unit on. See "Start your Appliance" on page 6.
	<ul><li>Power cord not plugged in.</li><li>No power at outlet.</li></ul>	<ul><li>Plug in power cord.</li><li>Check house circuit.</li></ul>

### **OBTAINING SERVICE**

### If Service is Required:

- If the product is within the first year warranty period please call AGA MARVEL Customer Service at 800.223.3900 for directions on how to obtain warranty coverage in your area.
- If the product is outside the first year warranty period, AGA MARVEL Customer Service can provide recommendations of service centers in your area. A listing of authorized service centers is also available at www.agamarvel.com under the service and support section.
- In all correspondence regarding service, be sure to give the model number, serial number, and proof of purchase.
- Try to have information or description of nature of the problem, how long the unit has been running, the room temperature, and any additional information that may be helpful in quickly solving the problem.
- Fill in pertinent information below regarding your product for future reference.

For Your Records		
Date of Purchase		
Dealer's name		
Dealer's Address		
Dealer's City		
Dealer's State		
Dealer's Zip Code		
Appliance Serial Number		
Appliance Model Number		
Date Warranty Card Sent (Must be within 10 days of purchase).		

### HOUSEHOLD PRODUCT WARRANTY

### **Entire Product**

### **Limited One Year Parts and Labor Warranty**

AGA MARVEL warrants that it will supply all necessary parts and labor to repair or replace in the end user's home or office, any component which proves to be defective in material or workmanship, subject to the condition and exclusions stated below, for a period of one year from the date of purchase by the end user.

### Additional Second Through Fifth Year Limited Parts Only Warranty

During the four years following expiration of the one year limited warranty, AGA MARVEL will supply replacement parts for the hermetically sealed refrigeration system which consists of the compressor, condenser, drier, accumulator, bypass valve, connecting tubing and the evaporator that are proven to be defective due to workmanship or materials subject to the conditions and exclusions below.

The above warranties do not cover:

- Shipping costs of replacement parts or returned defective parts.
- Customer education or instructions on how to use the appliance.
- Any content loss due to product failure.
- Removal or installation of product.

Nor do the above warranties cover failure of this product or its components due to:

- Transportation or subsequent damages.
- Commercial use or use other than normal household or small office.
- Improper installation, misuse, abuse, accident or alteration, use of wiring not conforming to electrical codes, low or high voltages, failure to provide necessary maintenance, or other unreasonable use.
- Parts or Service not Supplied or Designated by AGA MARVEL.

The above warranties also do not apply if:

- The original bill of sale, deliver date, or serial number cannot be verified.
- Defective parts are not returned for inspection if so requested by AGA MARVEL.
- The refrigeration equipment is not in the possession of the original end use purchaser.

The warranties set forth herein are the only warranties extended by AGA MARVEL. Any implied warranties, including the implied warranty of merchantability, are limited to the duration of these express warranties. In no event shall AGA MARVEL be liable for any consequential or incidental damages or expenses resulting from breach of these or any other warranties, whether express or implied.

Some states do not allow the exclusion or limitation of consequential damages or a limitation on how long an implied warranty lasts, so the above exclusion or limitation may not apply to you. This warranty gives you specific legal rights and you may have other rights that may vary from state to state.

No person, firm, or corporation is authorized to make any other warranty or assume any other obligation for AGA MARVEL. These warranties apply only to products used in any of the fifty states of the United States and the District of Columbia.

To obtain performance of this warranty, report any defects to:

### **AGA** MARVEL

P.O. Box 400 1260 E. VanDeinse St. Greenville MI 48838

Phone: 800.223.3900



www.agamarvel.com

**AGA** MARVEL

P.O. Box 400 1260 E. VanDeinse St. Greenville MI 48838

800.223.3900

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All specifications and product designs subject to change without notice. Such revisions do not entitle the buyer to corresponding changes, improvements, additions, replacements or compensation for previously purchased products.