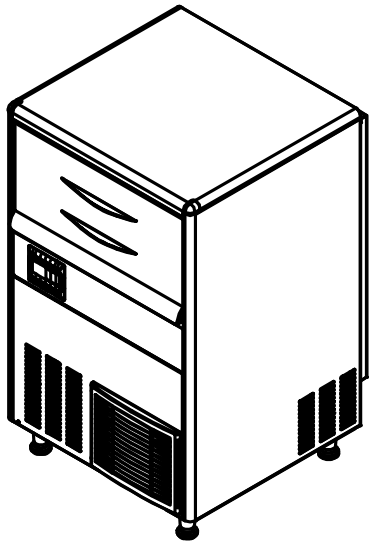
COMMERCIAL ICE MAKER

User Manual



MODELS:

BIM261FL | ABIM265FL

BEFORE USE, PLEASE READ AND FOLLOW ALL SAFETY RULES AND OPERATING INSTRUCTIONS.

Models:	**Serial Number:**

Felix Storch, Inc.
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Tale of Content

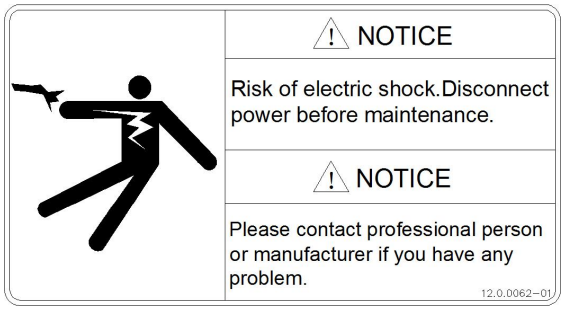
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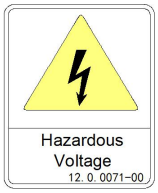
⚠ Note: Keep this manual in a place accessible to users at any time.

Important Safety Information

Review the following safety labels before operating the unit.

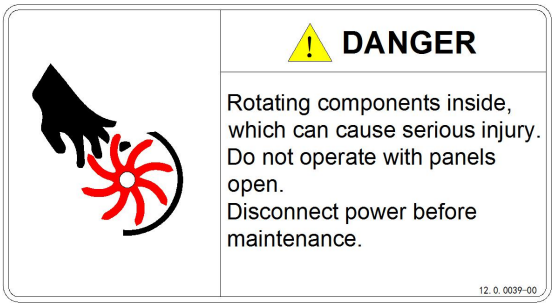
Indicates dangerous voltage and risk of electric shock.



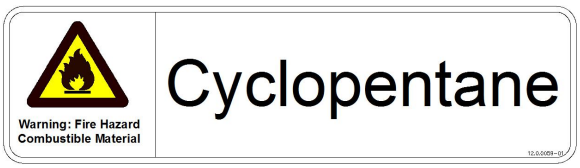


Indicates dangerous voltage and risk of electric shock.

Indicates rotating components inside. There is a risk of serious mechanical injury.



Indicates there is internal insulation composed of flammable foaming agent cyclopentane. There is a risk of fire.





Indicates the use of flammable refrigerant R290. There is a risk of fire.

Warning: Connect the ice machine to drinking/potable water only. Do not use groundwater or other non-drinking water sources.

Safety Symbols in the Manual:

Alert: Indicating the item requires particular attention.

Warning: Indicating special attention is required and operation is prohibited.

Warning and Safety Instruction

This product cannot be used in outdoor environment.

This product is not intended for use by children or individuals who may be unable to operate it safely without supervision or instruction.

- The unit must be installed, repaired, and maintained by professional or qualified personnel. Incorrect operation may cause electric shock, fire or personal injury.
- The unit should be handled and installed with specific loading and unloading tools. Handling or installing the unit manually is prohibited.
- Keep the unit upright for at least 24 hours before startup to allow the lubricating oil to settle in the compressor. Failure to do so may damage the compressor.
- If the power cord is damaged, it must be replaced by the manufacturer or qualified personnel to avoid electric shock, fire, or personal injury.
- Use the new water pipe assembly included in the accessory box. To ensure food safety, do not reuse the water pipe assembly from the old unit.
- Avoid placing the unit in areas with high humidity or risk of water exposure.
- Do not connect the unit's ground wire to gas pipes, water pipes, telephone lines, or lightning rods.
- Keep objects out of vents and exhaust ports to avoid damaging the rotating internal parts.
- Do not store volatile or flammable substances in the unit to avoid explosion or fire hazards.
- Do not store personal items, food, or beverages in the ice bin. The ice scoop must be kept clean.
- The unit must be kept on a ground that is strong enough to withstand its weight. If the ground is unsecured, the product may tip over to cause injury.
- Sufficient ventilation space is required around the unit to ensure efficient ventilation.
- Use the power supply specified on the nameplate located on the unit.
- Do not use hot water with the unit.
- The unit must be plugged into a properly grounded socket equipped with leakage protection.
- The unit must be powered off before manual cleaning and maintenance.
- Prior to cleaning and maintenance, the remaining ice in the ice bin should be removed to avoid contamination.
- Do not pour water directly on the unit, this can cause short circuits or electrical leakage.
- The insulation of the unit is composed of flammable foaming agent, which must be treated and recycled by qualified personnel and agencies when discarded.
- The unit should be managed reasonably to prevent any operation by children.
- If the unit fails, turn off the power supply and contact professional personnel for repair.



For the ice maker with flammable refrigerant R290:

DANGER – RISK OF FIRE OR EXPLOSION. FLAMMABLE REFRIGERANT USED. MUST BE ENOUGH VENTILATION SPACE AROUND THE ICE MAKER TO KEEP THE VENTILATION SMOOTH.

DANGER – RISK OF FIRE OR EXPLOSION. FLAMMABLE REFRIGERANT USED. DO NOT USE MECHANICAL DEVICES TO DEFROST REFRIGERATOR. DO NOT PUNCTURE REFRIGERANT TUBING.

DANGER – RISK OF FIRE OR EXPLOSION. FLAMMABLE REFRIGERANT USED. TO BE REPAIRED ONLY BY TRAINED SERVICE PERSONNEL. DO NOT PUNCTURE REFRIGERANT TUBING.

DANGER – RISK OF FIRE OR EXPLOSION. FLAMMABLE REFRIGERANT USED.DO NOT USE ANY ELECTRICAL APPLIANCES IN THE ICE STORAGE BIN OF THE ICE MAKER.

CAUTION – RISK OF FIRE OR EXPLOSION. FLAMMABLEREFRIGERANT USED. CONSULT REPAIR MANUAL/OWNER'S GUIDE BEFORE ATTEMPTING TO SERVICE THIS PRODUCT. ALL SAFETY PRECAUTIONS MUST BE FOLLOWED.

CAUTION – RISK OF FIRE OR EXPLOSION. DISPOSE OF PROPERLY IN ACCORDANCE WITH FEDERAL OR LOCAL REGULATIONS. FLAMMABLE REFRIGERANT USED.

CAUTION – RISK OF FIRE OR EXPLOSION DUE TO PUNCTURE OF REFRIGERANT TUBING; FOLLOW HANDLING INSTRUCTIONS CAREFULLY. FLAMMABLE REFRIGERANT USED.

General Information

This automatic ice maker must be connected with a drinking water source and power supply. After it is installed properly, the unit can begin normal ice making operation. When the ice bin is full, the machine will stop running automatically. The unit is usually installed and operated in environments such as:

- Kitchen areas in shops
- Offices or other workplaces
- Preservation areas of supermarkets and aquatic products
- Storage areas for laboratories and medical facilities
- Preservation and cooling during long-distance transportation
- Catering industry and similar non-retail occasions
- Under normal circumstances, the unit is not for home use

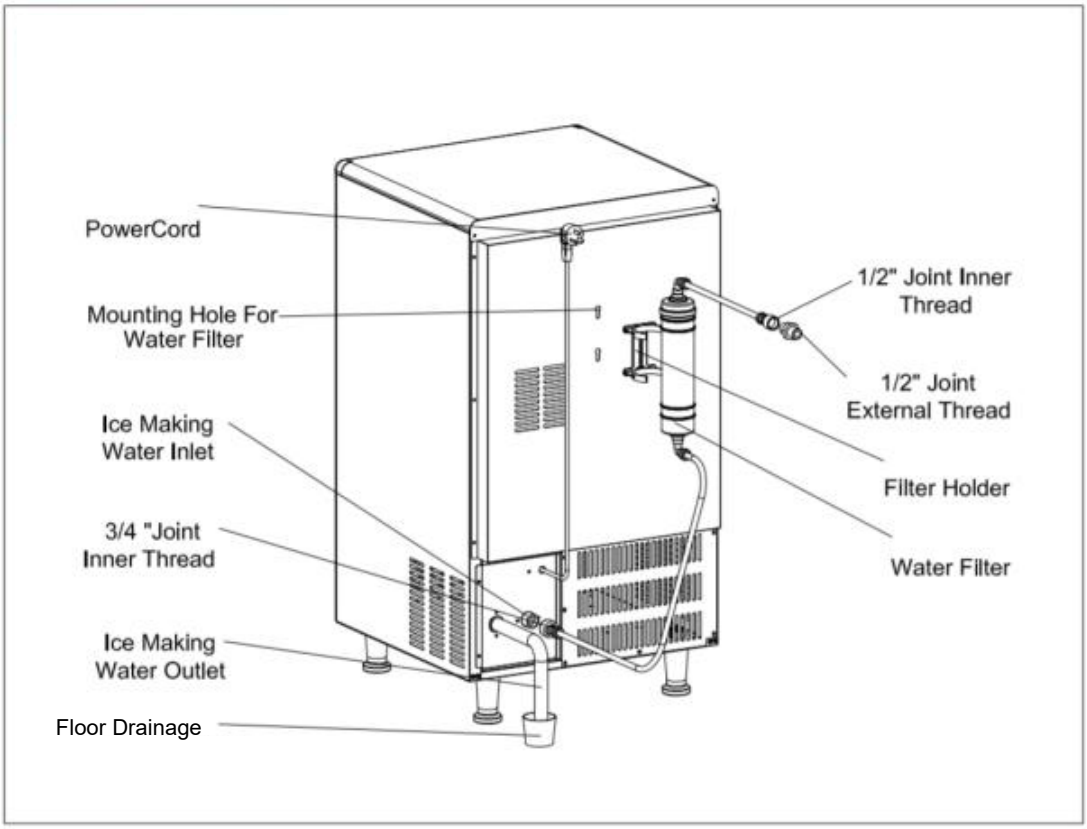
Installation

Location:

The installation location should meet the following conditions:

- Indoors, at an altitude of **6560 ft.** (2000 m) or less
- Ambient temperature: **41°F - 104°F** (5 - 40 °C)
- Power supply: Rated voltage in the nameplate **± 6%**
- Water source: drinking water source, with a pressure of **0.13MPa to 0.55MP** (inclusive) and temperature of **41°F - 95°F** (5 - 35 °C)
- The unit should be kept away from heat sources. It must not be used at high or low temperatures. It should also be kept away from direct sunlight, in order not to affect its heat dissipation and service life.
- A sufficient ventilation space should be kept around the unit to ensure smooth ventilation. The spacing should be at least **1⅛"** (30 cm) in front , **¾"** (20 cm) from its back, and **⅝"** (15 cm) from the sides.
- The unit must be kept on the ground that is strong enough to withstand its weight.
- A socket grounded reliably and subjected to leakage protection should be used.
- There must be a suitable floor drain near the installation location.

Location of Parts



Installation Instructions

1. Check whether the unit is in good condition and that the accessories are complete. Check the model and nameplate.
2. Clean the ice bin and inside of this machine with the sponge. Use warm water and baking soda. Then rinse and dry them.
3. Install the unit horizontally.
4. The unit should be installed in a well ventilated place to ensure its excellent output. Allow for a clearance of **7 ⅞" – 11 ¾"** (20-30 cm) on both sides of the unit.
5. Adjust the leveling legs at the bottom of the unit.
6. Connect the water inlet filter and water pipe as shown in the figure. If a drinking water system is available at the installation site, it is not necessary to install the water filter.

   IMPORTANT: Failure to install a water filter may result in internal clogging and water leakage. The manufacturer is not responsible for any property damage caused by operating the unit without a properly installed filter.

7. Connect this machine to water supply pipe via the **1/2"** joint (provided along with the machine). It is recommended to install a water valve (not provided along with the machine) on the water supply pipe.
8. Connect the supplied drain pipe to drain port. To facilitate drainage, the recommended drop for the drain pipe is greater than **1 ⅛"** (3 cm). Make sure that the drain pipe is not blocked. It is recommended to connect the drain pipe to drain port.
9. Any node in the drain pipe must not be higher than the drain port or previous node.
10. Ensure the power requirements on the nameplate comply with the power supply.
11. Install a circuit breaker or switch on the power supply line. In addition, install a leakage protector and make it grounded reliably.
12. Turn off the switch on the power supply line and then connect this machine with the power supply.

NOTES:

- The water inlet and outlet directions are marked on the filter cover or bottle. The filter must be installed in the correct direction.
- The water inlet filter provided with this product should be used to continuously filter impurities in water. Under normal circumstances, **the filter should be replaced once every one to three months.**

Before Startup

Ensure the following:

- The accessories or items in the unit have been removed.
- The unit has been positioned horizontally.
- The water pipe has been connected, and the water valve has been opened.
- The plug has been connected to the power supply, and the power switch is turned off.
- Ensure that the ambient temperature, water temperature, and water supply pressure are within the specified ranges.

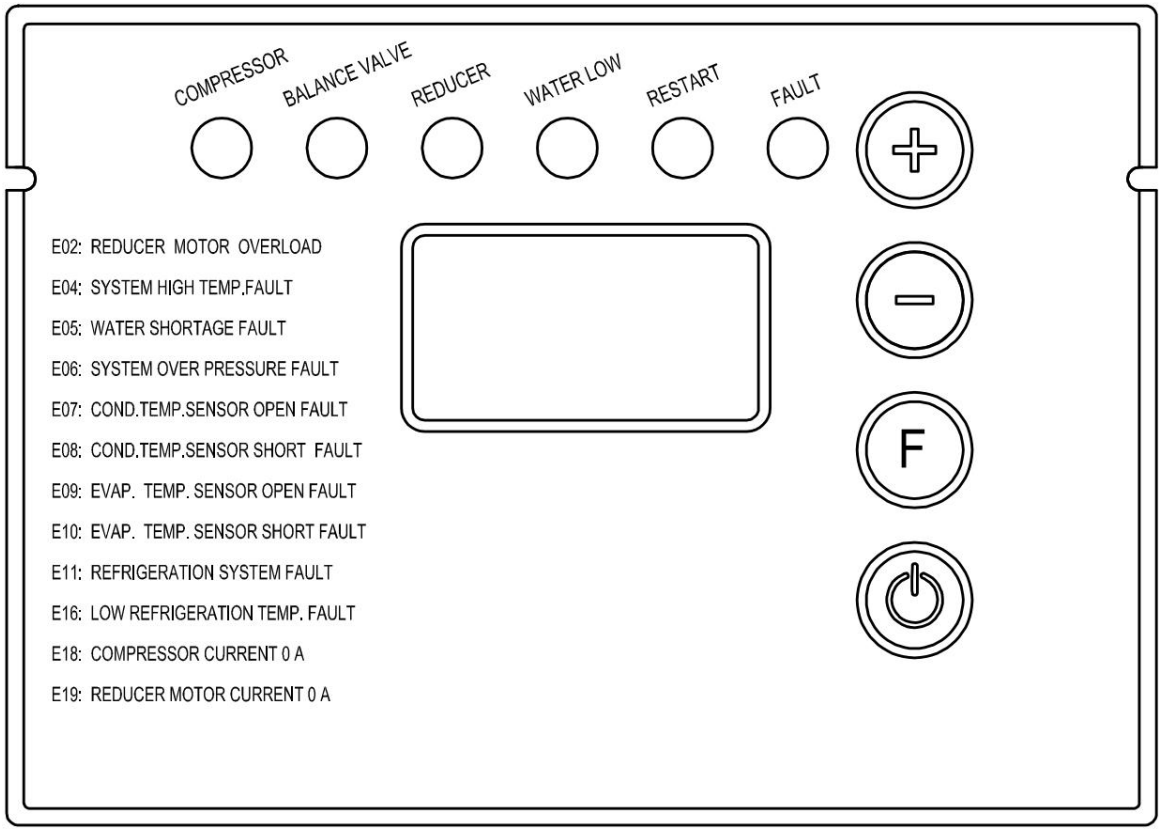
Startup

Turn on the power switch on the power supply line. When this machine is powered on, press the **POWER** button on the display panel. The machine will enter ice making mode automatically.

Inspection During Normal Operation

- Ensure that ice is dropping normally.
- For the air-cooled ice maker unit, make sure that the fan works properly, and the air flows steadily at the inlet and outlet of the unit.
- Check that the unit is not making abnormal noises.
- Check that the unit is not vibrating abnormally.

Control Panel



Display Screen:
The display screen shows different information during each stage of operation.

Preparation:
The screen will display a 10-second countdown.

Ice Making:
By default, the compressor current is displayed in amperage (A).

Function [**F**]:
To alternately between the reducer current, decelerator current, evaporation temperature, and condensation temperature. (Default = C°)

Light Indicator:
The indicator lights display the operating status of the unit, including compressor operation, reducer operation, low water level, restart status, and fault conditions.

Plus [+] / Minus [-] Buttons:
Use to view the system parameters. The parameters can not be adjusted while in view mode.

Note: To modify the parameter settings, contact customer service **800-932-4267** (Ext. **513**)

Power Button:
When the machine is powered on, press the **Power** button to start up and shut down the machine.

Operating Instruction

Start Up:

After completing the installation, turn on the water source and power supply. Then press the **POWER** button. The machine will enter normal operation. The system runs automatically without requiring any manual intervention. Ensure that the unit is running during the initial startup.

IMPORTANT: If the unit is exposed to thunderstorms or has not been in use for a long time, cut off the power and water supply.

Preparation:

After the unit has been connected to the power, press the **POWER** button. After 10 seconds, the balance valve, reducer, fan, and compressor will start in that order.

Ice Making:

Water continuously flows along the inner wall of the evaporator, where it freezes into ice. The ice is then cut by the auger driven by the gear reducer and discharged from the evaporator through the spiral ice blade. The ice dispenses into the bin.

Water Shortage Level and Restart:

When the water supply is insufficient for normal ice production, the LOW WATER LEVEL indicator on the display panel will illuminate. The indicator will turn off once the water supply returns to a normal level.

After some time, the machine will restart automatically, and the RESTART indicator light will illuminate. The RESTART indicator light will turn off automatically after 10 hours of normal operation.

Shutdown:

During normal operation, press the **POWER** button. The compressor will immediately power off. A 60 second count down will display on the panel and the gear reducer and fan will shut down, and the machine will turn OFF.

Automatic Shutdown (Full Ice Bin):

When the ice bin becomes full, the full ice switch sensor will activate and the machine will automatically stop producing ice.

Ice Marking Recovery After Ice Removal:

Within two minutes after ice is removed from the ice bin, the machine will detect the lowered ice level and resume normal ice making operation.

View System Parameters:

Long press the [**+**] button to display the system parameters.

The top digit indicates the parameter.
The bottom digits display the parameter values.

Press the [**+**] or [**-**] buttons to scan through the parameter values. The system parameters cannot be modified in the view mode.

Contact customer support the adjust the parameters.

Error Codes

The display screen will show an error code and the corresponding fault condition when a fault occurs.

Code	Note	Machine Action
E01	COMPRESSOR OVER LOAD	Shutdown for protection
E02	REDUCER OVER LOAD	Shutdown for protection
E04	HIGH TEMP. FAULT	Shutdown for protection
E05	WATER SHORTAGE FAULT	Shutdown for protection
E06	HIGH PRESSURE FAULT	Shutdown for protection
E07	COND.TEMP.OPEN CIRCUIT FAULT, displayed once every 5 seconds	Without shutdown
E08	COND.TEMP.SHORT CIRCUIT FAULT, displayed once every 5 seconds	Without shutdown
E09	EVP.TEMP.OPEN CIRCUIT FAULT	Shutdown for protection
E10	EVP.TEMP.SHORT CIRCUIT FAULT	Shutdown for protection
E11	REFRIGERATION SYSTEM FAULT	Without shutdown
E16	LOW REFRIGERATION TEMP.FAULT	Shutdown for protection
E18	COMPRESSOR CURRENT 0A	Shutdown for protection
E19	REDUCER CURRENT 0A	Shutdown for protection

Additional Protective Shutdown Functions:

- If the ambient temperature is too high, the unit will be shut down for protection.
- Water-cooled units only: When an abnormality is detected in the water inlet pipe, the unit will shut down for protection.

Cleaning and Maintenance

NOTE: Maintenance and care must be conducted by qualified professionals.

WARNING: Before maintenance and manual cleaning, turn off the water source and power supply, then unplug the unit. Live operations are prohibited.

External Cleaning:

Always clean the area around the unit. Never block the vents.

The shell should be cleaned with neutral detergent and wiped with soft cloth. If necessary, use the commercial stainless-steel cleaner and polishing agent.

NOTE: Stainless steel may also be subject to rusting without proper maintenance.

CAUTION: The fins of the air condenser are sharp. Use caution while cleaning.

Inlet Filter:

The filter should be checked regularly. It is recommended to replace the filter every **one to three months.**

IMPORTANT: Failure to install a water filter may result in internal clogging and water leakage. The manufacturer is not responsible for any property damage caused by operating the unit without a properly installed filter.

Cleaning the Ice Bin:
Rinse the inside of the ice bin with water.

Full Ice Switch:
Wipe the lens of the transmitter and full ice switch receiver every **one to three months**.

IMPORTANT: After removing ice, close the ice bin door gently. Do not slam the ice bin door open or close.

Waterway:

Clean the waterway regularly to ensure proper hygiene.

Not in Use:

If the granular ice maker will not be used for an extended period after regular use, power on the unit and allow it to operate for 2–4 hours once every two months.

Overwinter:

Turn off the water source and power supply, and drain the remaining water in the water tank and water inlet pipe.

NOTE: Maintenance of the unit is excluded from the warranty.

Condenser:
The condenser needs to be cleaned every **three weeks**. Use a soft brush or vacuum cleaner with a brush along the fins in a vertical direction. This will prevent damage and support efficient cooling.

The stainless-steel filter should be cleaned once every half a month. Remove the stainless-steel filter the clean as shown in **Figure 1**.

1. Press the down on the two buckles on the ventilation window and remove.
2. Pull the filter out of the ventilation window's side.

To remove the plastic filter, see **Figure 2**.

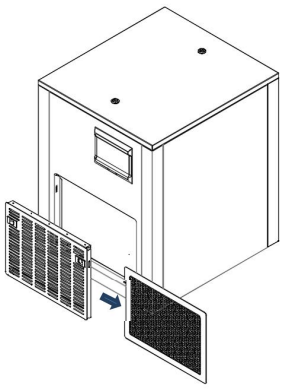


Figure 1

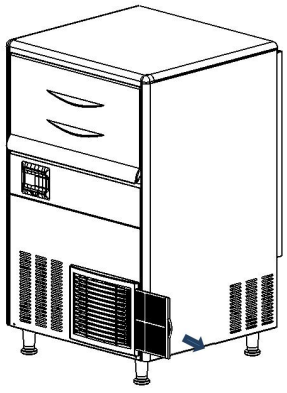


Figure 2

Troubleshooting

In case of any fault, check the following items before making a call.

1. Check whether the water source is in good condition.

- Check whether the LED Low Water Level indicator on the display panel is always ON.
- Ensure that the pressure of water is **0.13 - 0.55** Mpa (inclusive), and its temperature is **41 – 95°F** (5 – 35°C)
- Ensure that the water valve is open
- Ensure that there are no water leaks

2. Check that the power supply is connected

- Ensure that the indicator on the display panel is ON.
- Ensure that the OFF status is not shown on the display panel.
- If the LED indicator on the display panel is ON, check that the power plug and socket are in good conditions, and whether the switch on the power supply line and circuit breaker on the back are ON.

3. Check the nameplate and serial number.

- Check the nameplate on the side or back of the ice machine and record the model and serial number.

If you have checked the information above and you still need help with your appliance, call our Customer Service facility at 800-932-4267 (Ext. **513**) between 9:00 AM and 5:00 PM ET or visit our website **summitappliance.com/support** at any time. We will do our best to answer your questions.

To order replacement parts, visit our website: **summitappliancepartsparts.com**

WARNING: This product can expose you to chemicals including Nickel (Metallic) which is known to the State of California to cause cancer.

For more information go to www.P65Warnings.ca.gov

Note: Nickel is a component in all stainless steel and some other metallic compositions.

This product uses eco-friendly hydrocarbon refrigerant and fully complies with California CARB regulations.

However, we are required by California Law to provide the following disclosure statement in every product sold in California.

"This equipment is prohibited from use in California with any refrigerants on the 'List of Prohibited Substances' for that specific end-use, in accordance with California Code of Regulations, title 17, section 95374. This disclosure statement has been reviewed and approved by Felix Storch, Inc. and Felix Storch, Inc. attests, under penalty of perjury, that these statements are true and accurate."

This product does **not** use any refrigerants on the 'List of Prohibited Substances'"

LIMITED WARRANTY

ONE-YEAR LIMITED WARRANTY

Warranty coverage is available within the 48 contiguous United States, along with select areas of Alaska, Hawaii, and Canada. For locations not covered, consumers can either contact a local provider or coordinate with Felix Storch, Inc. to find nearby service options, which may qualify for partial reimbursement.

The warranty for this appliance is valid for one year from the date of purchase, provided the appliance is operated and maintained according to the instructions included with the product. The warrantor will cover the cost of factory-specified parts and repair labor needed to correct defects in materials or workmanship. Service must be performed by a designated service company.

All parts, except the compressor, are warranted for one year against manufacturing defects. Plastic parts, shelves, and cabinets are produced to commercially acceptable standards but are not covered for damages incurred during handling or for breakage.

5-YEAR COMPRESSOR WARRANTY

1. The compressor is covered for 5 years.
2. Replacement does not include labor.

ITEMS WARRANTOR WILL NOT PAY FOR:

1. Service calls to correct the installation of your appliance, to instruct you how to use your appliance, to replace or repair fuses or to correct wiring or plumbing.
2. Service calls to repair or replace appliance light bulbs or broken shelves. Consumable parts (such as filters) are excluded from warranty coverage.
3. Damage resulting from accident, alteration, misuse, abuse, fire, flood, acts of God, improper installation, installation not in accordance with electrical or plumbing codes, or use of products not approved by warrantor.
4. Replacement parts or repair labor costs for units operated outside the 48 contiguous United States, along with select areas of Alaska, Hawaii, and Canada.
5. Repairs to parts or systems resulting from unauthorized modifications made to the appliance.
6. Expenses for travel and transportation for product service in remote locations.
7. The removal and reinstallation of your appliance if it is installed in an inaccessible location or is not installed in accordance with published installation instructions.

DISCLAIMER OF IMPLIED WARRANTIES; LIMITATION OF REMEDIES

CUSTOMER'S SOLE AND EXCLUSIVE REMEDY UNDER THIS LIMITED WARRANTY SHALL BE PRODUCT REPAIR AS PROVIDED HEREIN. IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO ONE YEAR. WARRANTOR SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR LIMITATIONS ON THE DURATION OF IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS, SO THESE EXCLUSIONS OR LIMITATIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE.

NOTES



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