






ICER-ETTE™

INSTALLATION, OPERATION, MAINTENANCE AND TROUBLESHOOTING OF THE RARITAN ICER-ETTE MODEL 82 and 83 AUTOMATIC ICE CUBE MAKER

- WARNING:**  *Raritan Engineering Company, Inc. recommends that a qualified technician install, trouble-shoot and repair this product. Equipment damage, injury to personnel or death could result from improper installation. Raritan Engineering Company, Inc. accepts no responsibility or liability from damage to equipment, or injury or death to personnel that may result from improper installation of this product.*
- WARNING:**  Refrigeration Equipment contains refrigerant fluids under very HIGH PRESSURE. Danger of sudden pressure release resulting in injury, death, or severe frostbite may result from not following instructions.
- CAUTIONS:**  DO NOT plug a 120 VAC unit into a 240 VAC power source.
-  DO NOT plug a 240 VAC unit into a 120 VAC power source.
- DO NOT use a transformer to step down 240 VAC 50 HZ power supply to 120 VAC. Equipment designed for 60 HZ may run slow on 50 HZ, resulting in inferior operation and possible overheating of the motor(s).
- WARNING:**  This device is not ignition protected. DO NOT install in compartments containing gasoline tanks or in areas in which ignition protected equipment is required.

INTRODUCTION

Icer-ettes are automatic icemakers designed and manufactured especially for the marine environment. They produce up to 22 lbs of crescent shaped cubes per day and can store 11 lbs. Two cabinet configurations are offered, allowing counter height installations and shorter limited height installations. Installation and maintenance are simple because no drain is required and the thermostat is fixed; never needing adjustment.

OPERATION

The Icer-ette's on-off switch is just beneath the door. A unit begins to produce ice within 60 minutes after startup. Ice production stops automatically when the bin is full enough to interfere with the wire shut-off arm. Ice production can be manually shut-off by gently raising the wire shut-off arm until it clicks. Ice production can be restarted by gently returning the arm to the vertical position. The unit should not be turned "off" with the door closed and ice or water inside.

NOTES:

1. Due to fast freezing, ice cubes may appear "cloudy". This is simply trapped air in the water and does not affect taste or quality of ice.

2. "Hollow" ice cubes may result from fast freezing under certain climatic conditions such as extremely high humidity, etc.

MAINTENANCE

Periodically vacuum dust and dirt from the condenser; taking care not to damage the aluminum fins in the process. Insure that no leaks are present by regularly inspecting plumbing connections.

When necessary, defrost and thoroughly clean the inside of the unit with mild soap and water. Do not use electrical heating devices, sharp or pointed tools when defrosting. When defrosting or leaving the unit turned off, prop the door open at least two inches. This allows air to dry the inside of the cabinet, reducing the chance for mildew.

WINTERIZATION

WARNING: Disconnect power at source before working on the unit.

1. Shut off the water supply to the unit.
2. Disconnect as follows:

Model 83: Disconnect the water supply connector behind the front grille at the solenoid valve (garden hose connector). Remove the white plastic tubing and nut from bottom of the solenoid valve.

Model 82: Disconnect the in-line water supply connector behind the front grille.

- Turn the power on. Allow the unit to run for an hour. Remove any cubes that may have been ejected during this period. Turn off power and prop door open to allow the inside to defrost. After it has defrosted, wipe it dry.

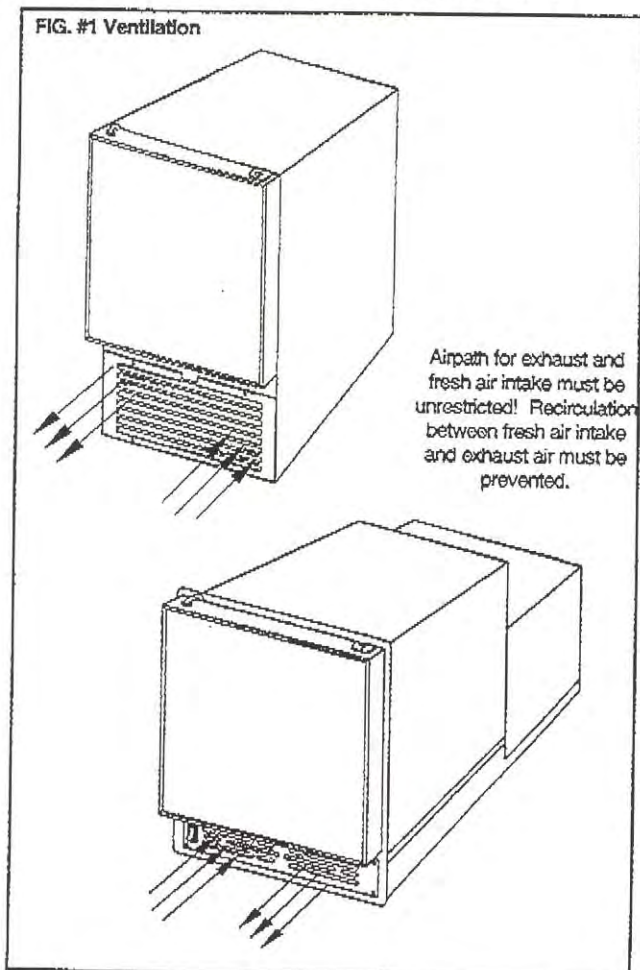
RECOMMISSIONING

Connect water supply lines, turn on water, check for leaks, then restore power to the unit. After initial cool down of 45-60 minutes, the unit will cycle approximately every 40 minutes.

INSTALLATION - MOUNTING

If the unit is to be built-in, 3/4" or more must be allowed behind the unit for water line and plug clearance for proper operation. Fan-forced condenser cooling is used. This requires air circulation through the lower section of the unit (see Fig. #1). If the Icer-ette is to be installed behind closed doors contact Raritan.

* Contact Raritan for installation behind closed doors.



NOTE: Any restriction of airflow or ventilation will disrupt normal operation of the unit, resulting in damage to components and will void warranty.

Unit must sit on a secure level surface. Flange must NOT be used to support the weight of the unit.

When installing the unit it should be noted that some servicing requires access to the rear of the unit and that *the unit must be readily removable* should servicing be necessary.

When mounting cabinetry, make sure that the door has the desired range of motion. All doors are hinged on the right (facing the unit) but may be reversed.

PLUMBING

A minimum of 22 P.S.I. is required for proper operation of the water solenoid. When plumbing the Model 83, a water line is run through the rear of the cabinet and attached to the male garden hose adapter on the solenoid water valve.

When plumbing the Model 82, 18" of water line extends from the back with a 1/4" plastic female compression fitting. Only plastic tubing can be connected. Drains are not required; just electrical connection and water supply.

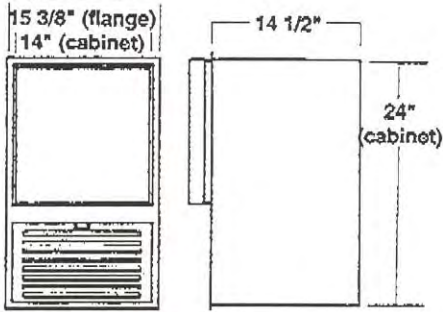
WIRING

Power Requirements: 120 volts 60 HZ alternating current, a three-wire cord with grounded plug is supplied, **OR** 240 volts 50 HZ alternating current, supplied with Euro-plug.

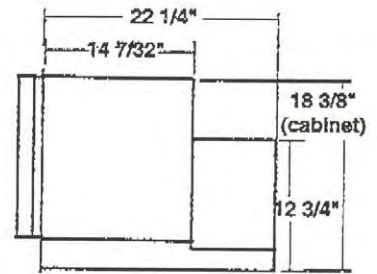
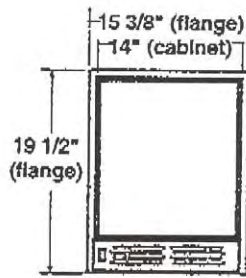
STARTUP

Turn on the water, check for leaks and then restore power. Turn on the switch (located just below the Icer-ette door). The fan and compressor will normally turn on immediately, resulting in air circulation through the grille and a faint hum from the compressor. If machine was shut off while in the ice harvesting cycle, it will have to complete the cycle before compressor and fan turn on (approximately 5 minutes). The interior temperature will drop below freezing. The first harvest of ice should occur within 60 minutes of startup. After the lines are purged of air, normal harvesting and refilling occurs every 40 minutes or less, under normal conditions.

DIMENSIONS:

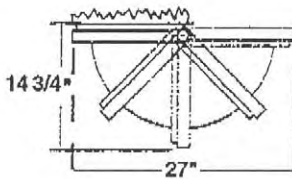


Model 83



Model 82

Recess Dimensions HxWxD = 18 1/2" x 14 1/2" x 23"



Door Swing
Model 83 & 82

SPECIFICATIONS:

Ice Production: up to 22 lbs. per day

Water Supply: min. 22 PSI, max. 125 PSI

Ice Storage Capacity: up to 11 lbs.

AMP Draw: 2.5 - 120V; 1.3 - 240V

Refrigerant Charge: 3.3 oz. R-12 (82),
3.0 oz. R-12 (83)

LIMITED WARRANTY

Raritan Engineering Company warrants to the original purchaser that this product is free of defects in materials or workmanship for a period of one year from the product's date of purchase. Should this product prove defective by reason of improper workmanship and/or materials within the warranty period, Raritan shall, at its sole option, repair or replace the product.

1. TO OBTAIN WARRANTY SERVICE, Consumer must deliver the product prepaid, together with a detailed description of the problem, to Raritan at 530 Orange St., Millville, N.J. 08332, or 3101 SW 2nd Ave. Ft. Lauderdale, FL 33315. When requesting warranty service, purchaser must present a sales slip or other document which establishes proof of purchase. THE RETURN OF THE OWNER REGISTRATION CARD IS NOT A CONDITION PRECEDENT OF WARRANTY COVERAGE. However, please complete and return the owner Registration Card so that Raritan can contact you should a question of safety arise which could affect you.
2. THIS WARRANTY DOES NOT COVER defects caused by modifications, alterations, repairs or service of this product by anyone other than Raritan; defects in materials or workmanship supplied by others in the process of installation of this product; defects caused by installation of this product other than in accordance with the manufacturer's recommended installation instructions or standard industry procedures; physical abuse to, or misuse of, this product. This warranty also does not cover damages to equipment caused by fire, flood, external water, excessive corrosion or Act of God.
3. ANY EXPRESS WARRANTY NOT PROVIDED HEREIN, AND ANY REMEDY FOR BREACH OF CONTRACT WHICH BUT FOR THIS PROVISION MIGHT ARISE BY IMPLICATION OR OPERATION OF LAW, IS HEREBY EXCLUDED AND DISCLAIMED. ALL IMPLIED WARRANTIES SUCH AS THOSE OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE, IF APPLICABLE, AS WELL AS ANY IMPLIED WARRANTIES WHICH MIGHT ARISE BY IMPLICATION OF LAW, ARE EXPRESSLY LIMITED TO A TERM OF ONE YEAR. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG A LIMITED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.
4. UNDER NO CIRCUMSTANCES SHALL RARITAN BE LIABLE TO PURCHASER OR ANY OTHER PERSONS FOR ANY SPECIAL OR CONSEQUENTIAL DAMAGES, WHETHER ARISING OUT OF BREACH OF WARRANTY, BREACH OF CONTRACT, OR OTHERWISE. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.
5. No other person or entity is authorized to make any express warranty, promise or affirmation of fact or to assume any other liability on behalf of Raritan in connection with its products except as specifically set forth in this warranty.
6. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

This product is listed by
UNDERWRITERS LABORATORIES INC.
and bears the mark:



SAVE THESE INSTRUCTIONS

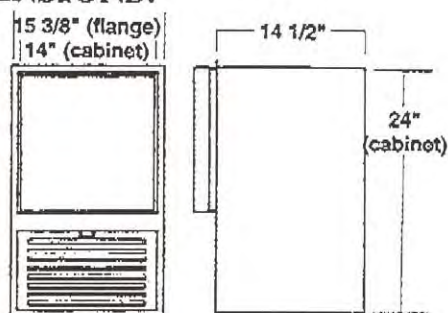
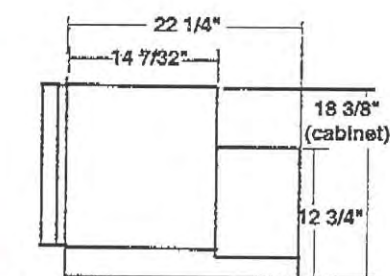
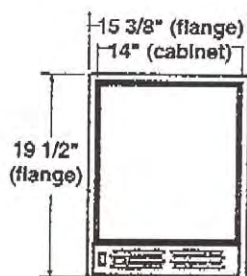


RARITAN
Engineering Company, Inc.

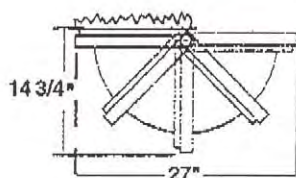
530 Orange Street, P.O. Box 1157, Millville, NJ 08332 USA
Telephone: (856) 825-4900 FAX: (856) 825-4409

Southern Office and Plant:

3101 SW Second Avenue, Fort Lauderdale, FL 33315 USA

DIMENSIONS:**Model 83****Model 82**

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**Door Swing
Model 83 & 82**

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3. ANY EXPRESS WARRANTY NOT PROVIDED HEREIN, AND ANY REMEDY FOR BREACH OF CONTRACT WHICH BUT FOR THIS PROVISION MIGHT ARISE BY IMPLICATION OR OPERATION OF LAW, IS HEREBY EXCLUDED AND DISCLAIMED. ALL IMPLIED WARRANTIES SUCH AS THOSE OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE, IF APPLICABLE, AS WELL AS ANY IMPLIED WARRANTIES WHICH MIGHT ARISE BY IMPLICATION OF LAW, ARE EXPRESSLY LIMITED TO A TERM OF ONE YEAR. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG A LIMITED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.
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5. No other person or entity is authorized to make any express warranty, promise or affirmation of fact or to assume any other liability on behalf of Raritan in connection with its products except as specifically set forth in this warranty.
6. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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