



# ICE EATER

**THE POWER HOUSE, INC.**  
20 Gwynns Mill Court  
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## INSTALLATION AND OPERATING INSTRUCTIONS

### INTRODUCTION

When water freezes, it expands, becoming lighter. This fact is the principle upon which ICE EATER functions. ICE EATER circulates warmer bottom water to the top, thereby preventing ice formation. If surface ice already exists, the flow of warmer bottom water will effectively melt it.

ICE EATER obtains its superior operating efficiency through the use of an axial flow, shrouded propeller design. This design also provides protection for the rotating propeller.

ICE EATER is shipped complete with suspension lines. It can be taken straight from its shipping carton, hung in place and plugged in.

### INSTALLATION

Inspect ICE EATER for damage immediately upon delivery. Report any damage to your dealer.

Install ICE EATER by hanging it in the area to be kept clear of ice. Plug the electrical cord into a 115 volt, 20 ampere receptacle.

**WARNING:** When an extension cord is used, it must be sized as follows:

Up to 100 ft. - Use #12/3 wire cord.

Up to 200 ft. - Use #10/3 wire cord.

ICE EATER may be hung from a pier or from a boat. Locate ICE EATER at a depth which produces best results for each specific location. (Two-three feet is a good average operating depth.)

**CAUTION:** Do not place ICE EATER on the bottom. If ICE EATER is hung from a boat or floating pier, try to guard against a falling tide depositing the unit on bottom. Do not run out of water. Unit must be submerged. Keep hands clear.

If a circular pattern of de-icing is desired, hang ICE EATER straight (see figures 1A & 1B).

**NOTE:** For straight hanging use top rim holes A & B shown in figure 3.

If an elongated pattern of de-icing is desired, hang ICE EATER at an angle (see figures 2A & 2B).

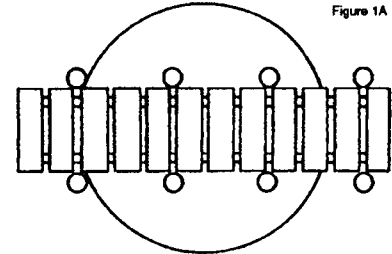


Figure 1A  
Circular De-icing Pattern  
(Install Ice Eater as shown in Figure 1B)

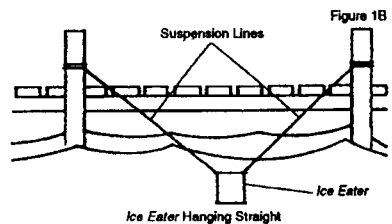


Figure 1B  
Ice Eater Hanging Straight

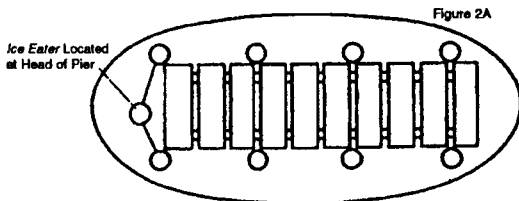
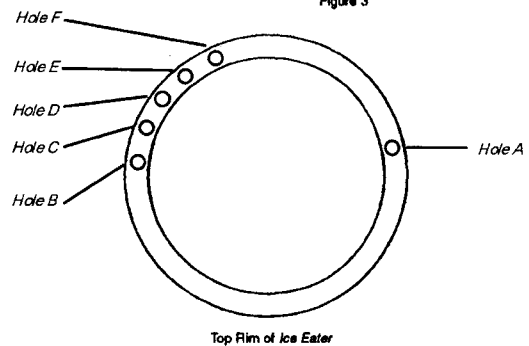


Figure 2A  
Elongated De-icing Pattern  
(Install Ice Eater as shown in Figure 2B)

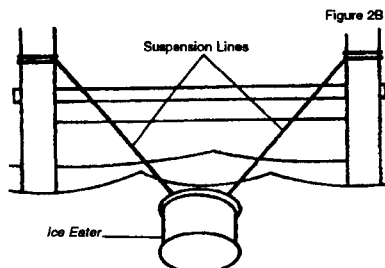


Figure 2B  
Ice Eater Hanging at an Angle

**NOTE:** For angle hanging, use Rim Hole A and C, D, E, or F. ICE EATERS operating angle will increase as the suspension line is moved around the Rim toward Hole E.

### OPERATION

ICE EATER is designed for continuous duty. A temperature sensing plug is available as an extra. This will greatly reduce the amount of energy consumed by ICE EATER, while still maintaining ice free conditions.

### MAINTENANCE

The ICE EATER motor is filled and sealed with a special non-toxic, biodegradable & "Environmentally Friendly" Lubricating Fluid and does not require any additional lubrication.

The ICE EATER should be removed from the water, cleaned and stored PROP SIDE DOWN during non-freezing months, in a cool place. Storing prop side down will keep the seals lubricated.

Inspect zinc for deterioration. Failure to operate without zinc could result in metal deterioration and contamination and will void warranty.

DO NOT open motor for any reason. It can only be assembled under special conditions at the factory.

For optimum operation, it is suggested that each unit be returned to the factory for regularly scheduled maintenance every four years, less for commercial duty usage.

**PLEASE READ  
WARNING WARNING WARNING  
ELECTRICAL SHOCK HAZARD**

THIS MOTOR IS PROVIDED WITH A GROUND WIRE OR GROUNDING TYPE PLUG FOR YOUR PROTECTION.

THE GROUND WIRE MUST BE SECURELY ATTACHED TO A PROPER ELECTRICAL GROUND, OR THE GROUNDING TYPE PLUG MUST BE USED ONLY WITH A PROPERLY GROUNDED RECEPTACLE. IN ADDITION, YOU SHALL USE GROUND FAULT INTERRUPTER PROTECTION IN ACCORDANCE WITH 2005 NATIONAL ELECTRIC CODE, SECTION 555.19 (B) (1).

A QUALIFIED ELECTRICIAN MUST BE CONSULTED TO INSURE A SAFE INSTALLATION.

**DO NOT** UNDER ANY CIRCUMSTANCES CUT OR REMOVE THE GROUND PRONG FROM A GROUNDING TYPE PLUG.

ALL REPAIRS MUST BE MADE AT THE FACTORY OR BY AUTHORIZED SERVICE STATION.

ANY REWORK OR DAMAGE TO THIS CORD MAY CREATE SHOCK HAZARD AND WILL VOID THE WARRANTY.

**WARNING WARNING WARNING**

ALWAYS DISCONNECT THE "ICE EATER" FROM POWER SOURCE BEFORE ANY SERVICING OR CLEANING OR MOVING OF THE UNIT, BY UNPLUGGING OR BY REMOVING FUSE OR DEACTIVATING CIRCUIT BREAKER.

**WARNING WARNING WARNING**

**DO NOT** REMOVE END COVER PLATE. REMOVAL OF PLATE WILL VOID WARRANTY.  
ALL REPAIRS MUST BE MADE AT THE FACTORY.

**WARNING WARNING WARNING**

WHEN USING OUR "ICE EATER" AND OUR THERMOSTAT TOGETHER, UNIT WILL START AUTOMATICALLY BY AIR TEMPERATURE. ALWAYS DISCONNECT THE "ICE EATER" FROM POWER SOURCE BEFORE ANY SERVICING OR CLEANING OR MOVING OF THE UNIT, BY UNPLUGGING OR BY REMOVING FUSE OR DEACTIVATING CIRCUIT BREAKER.



**ICE EATER**

U.S. Patent # 4,247,26

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