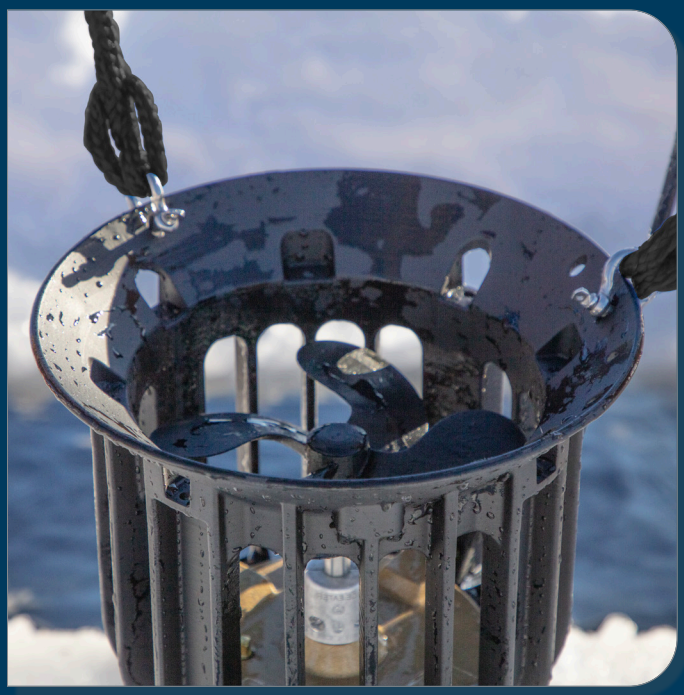




AIRMAX®

Ice Eater

Owner's Manual

P500 1/2 HP • 115v/60Hz
P750 3/4 HP • 115v/60Hz
P750 3/4 HP • 230v/60Hz
P1000 1 HP • 115v/60Hz
P1000 1 HP • 230v/60Hz

AIRMAX®

OWNER'S MANUAL FOR:

Ice Eater 1/2 HP, 3/4 HP & 1 HP Pond & Dock De-Icer



THANK YOU FOR CHOOSING
The Airmax Ice Eater

See Video Instructions of the Ice Eater Installation Online at airmaxeco.com

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Ice Eater Pond & Dock De-Icer



- Includes: Power Unit with Motor Mount and Standard 25' Power Cord
- 3 Year Warranty

2. Important Safety Instructions

- Under NO circumstances should anyone enter the water with the electrical equipment plugged in and/or in operation.
- Warning – Risk of electric shock. This Ice Eater is supplied with a grounding conductor. To reduce the risk of electric shock, be certain that the Ice Eater is connected only to a properly grounded power source. This Ice Eater has not been approved for use in swimming pool areas.
- NEVER run the unit out of the water. It will damage the seals and can cause permanent damage to the internal components.
- NEVER lift or drag the Ice Eater by the power cord.
- Store the Ice Eater indoors if the unit is removed in warmer seasons.
- ALWAYS store the unit upside down (propeller side down) to ensure seals remain lubricated.
- If installing the Ice Eater from a boat or raft, ALWAYS wear a Coast Guard approved personal flotation device.
- ALWAYS use a qualified electrician to install a power source.
- ALWAYS keep hands, feet, cords and mooring lines clear of the unit before connecting to the power supply.
- DO NOT remove the motor end bell from the stainless motor can. Removal of the cast end bell will void the warranty.
- All authorized repairs must be completed at the Airmax facility or at an Airmax Certified Repair Center.

1. System Components



Power Unit
115v or 230v

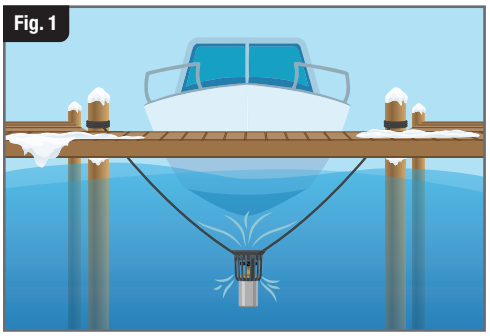


Power Cords
115v: 25', 50', 100', 150'
230v: 25', 50', 100', 150'

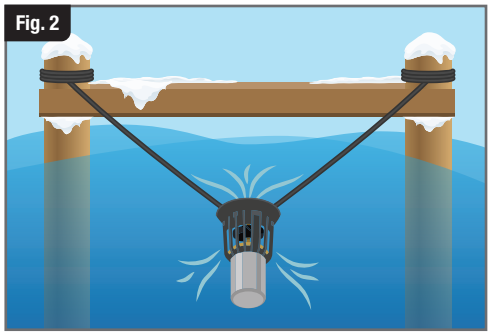


Optional Thermostat

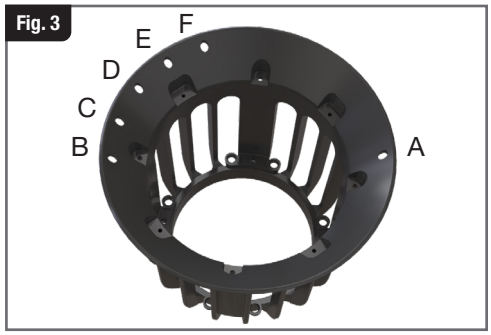
Determine Mooring Position



Option A:
Moor the Ice Eater directly beneath your boat with the unit positioned straight upward to open a circular area from the center outward. **(Fig. 1)**



Option B:
Moor the Ice Eater at the end of your dock with the unit directing flow at an angle back toward the shore to open a more oblong area of water. **(Fig. 2)**



Adjusting the Angle:
To position the Ice Eater straight upward, use holes A & B, or to gradually increase the angle of the unit, move the second shackle to use either hole C, D, E or F on the rim of the motor mount. The angle will increase as the mooring line is moved around the rim toward position F. **(Fig. 3)**

A. System Components:

1. Ice Eater Power Unit with Motor Mount (installed)
2. Mooring Ropes with Shackles
3. Power Cord
4. Thermostat (optional)

B. Installing the Ice Eater:

1) Ensure you have power close to your dock. If you don't, we recommend to ALWAYS use a licensed electrician to properly run power down to the pond.

2) Rope Mount Option: Suspend the Ice Eater using the two ropes provided after determining the mounting position.

a) The Ice Eater can be suspended from a dock, pier or boat.

b) 2'–3' deep is an ideal operating depth when positioned at an angle. Depending on the horsepower, it may need to be deeper when positioned upright for a less aggressive disruption at the surface of the water.

c) DO NOT allow the unit to rest on the pond/lake floor, as it may be more likely to draw in debris and cause damage to the motor shaft and propeller. Maintain at least 1' clearance from the bottom. If suspending from a boat or floating dock, be sure that falling tide or low water levels do not allow the unit to rest on the pond/lake floor.

d) ALWAYS make sure the ropes are far enough apart to prevent the unit from twisting.

e) If installing the Ice Eater after the pond or lake is already frozen, **ALWAYS make sure the ice is several inches thick for safety.**

f) Cut a hole in the desired location, making sure that it is at least 3' long x 2' wide. It is important to keep the hole long enough so that the ropes do not allow the unit to twist before the ice thaws completely. **(Fig. 4)**
NOTE: When using a chainsaw to cut a hole in the ice, be sure to empty the bar & chain oil reservoir before making any cuts.

g) Cut the ice into smaller sections so that they can be easily submerged to make room for the Ice Eater. **(Fig. 5)**

h) Lower the Ice Eater into the water **(Fig. 6)** and secure the mooring lines making sure that as the ice around the hole thaws, the unit will remain at least 1' above the pond or lake floor.







3) Plug the power cord into your power source, making sure the Ice Eater is connected to a GFCI protected circuit.

a) 115v power sources should have a reading between 113v–126v.

b) 230v power sources should have a reading between 230v–256v.

c) Power cords should always run directly from the Ice Eater to the power source. Using an extension cord may void the product warranty.

d) Connect the Ice Eater power cord to the optional thermostat, if desired, to reduce energy costs when temperatures fluctuate.

4. Maintenance & Winter Storage

A. Maintenance

1) Inspect the aluminum anode on the motor shaft periodically. The anode is a wear item and should be replaced annually.

2) Periodically clean the Ice Eater motor mount cage to remove any debris that has accumulated.

3) Periodically inspect the propeller for damage and replace if needed. Chipped or damaged propellers can lead to premature seal or bearing failure.

4) The Ice Eater motor can is filled and sealed with a non-toxic dielectric lubricating fluid and does not require additional lubrication.

5) Clean the motor can annually with Airmax D-Scale and rinse with clean water.

B. Winter Removal & Storage

1) Pressure wash and store the power unit indoors when not in use.

2) Store the power unit propeller-side-down to keep seals lubricated.

3) Replace the aluminum anode annually.

5. Troubleshooting - Ice Eater

ALWAYS unplug your Ice Eater BEFORE attempting any of the basic troubleshooting procedures below

IF ICE EATER WILL NOT TURN ON	
ISSUE	CORRECTION
GFCI tripped	Reset GFCI
Power cord cut	Repair or replace power cord
Intake plugged	Clean intake
Propeller stuck	Remove de-icer, clean or replace propeller
Breaker tripped due to overcurrent	Reduce current load on circuit, check other equipment

IF ICE EATER HAS POOR FLOW	
ISSUE	CORRECTION
Intake plugged	Clean intake
Propeller damaged	Inspect / replace propeller
Debris stuck in the discharge	Inspect / clean discharge

IF ICE EATER STARTS AND STOPS	
ISSUE	CORRECTION
Intake plugged	Clean intake
Capacitor failing	Oil & seals servicing required, replace capacitor

IF ICE EATER IS HUMMING - RUNNING	
ISSUE	CORRECTION
Normal running	Nothing

IF ICE EATER AERATOR IS HUMMING - NOT RUNNING	
ISSUE	CORRECTION
Intake plugged	Clean intake
Low voltage	Check voltage at power supply
Propeller stuck	Inspect / clean discharge
Capacitor failing	Oil & seals servicing required, replace capacitor
Shaft seized	Oil & seals servicing required, replace bearings

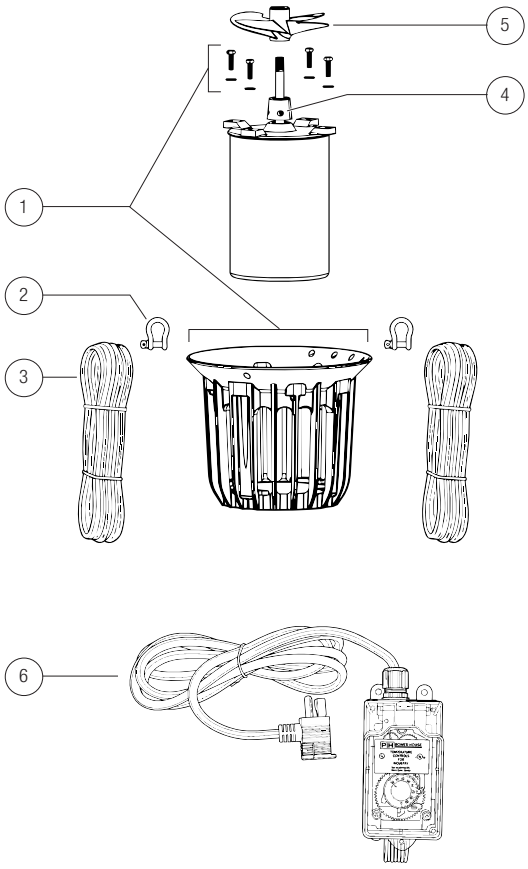
*** If your issue persists or is not covered in the troubleshooting guide above, please contact your Certified Airmax Service Technician to perform any troubleshooting measures you are uncomfortable with or are unable to perform yourself.**

Replacement Parts

1. **Motor Mount**
   132955 Ice Eater Motor Mount Assembly with Hardware
2. **Mooring Hardware**
   130989 Stainless Steel Shackles (Set of 2)
3. **Mooring Ropes**
   130986 Ice Eater 3/8" x 25' Mooring Rope (Set of 2)
   130988 Ice Eater 3/8" x 50' Mooring Rope (Set of 2)
4. **Anodes**
   131010 Aluminum Anode ½" Diameter (All Models)
5. **Propellers**
   132900 Ice Eater Propeller, ½ HP 2 Blade, 6"
   132902 Ice Eater Propeller, ¾ HP 2 Blade, 7"
   132901 Ice Eater Propeller, 1 HP 4 Blade, 7"

Accessories

6. **Thermostat**
   131018 Ice Eater Thermostat 115v
   131017 Ice Eater Thermostat 230v



Airmax, Inc.

Ice Eater

Limited Warranty

Airmax, Inc. warrants to the original purchaser (the end user) of any Ice Eater De-Icer manufactured by Airmax, Inc. that any component which proves to be defective in materials or workmanship, as determined by the factory within 3 years from the original purchase date, will be repaired or replaced at no charge with a new or remanufactured part, and returned freight prepaid. The end user shall assume all the responsibility and expense for removal, packaging, and freight to ship to Airmax, Inc. to determine the warranty claim and for all reinstallation expenses.

The warranty is void in cases where damage results from: improper installation, improper electrical connection, improper voltage, alteration, lightning, careless handling, misuse, abuse, disassembly of motor or failure to follow maintenance or operating instructions. Modification or repair by an unauthorized repair facility will void the warranty.

In no case will Airmax, Inc. or its dealers accept responsibility for any costs incurred by the user during installation, removal, inspection, evaluation, repair, parts replacement, or for return freight. Nor will any liability be accepted for loss of use, loss of profits, loss of goodwill, for consequential damage, or for personal injuries to the purchaser or any person.

In the event of problems believed to be covered under warranty, it will be necessary to notify the dealer who will try to help resolve the problem and who may contact the factory for additional assistance. If it is concluded that there may be a defect which may be covered under warranty, it will be necessary to get a Return Material Authorization (RMA) from the dealer before shipment. Freight collect shipments will not be accepted by the factory on warranties or repairs.

The product or part(s) must be returned freight prepaid, to the factory, as directed, and in its original packaging or in a container which will prevent damage. Parts returned under warranty and damaged during shipping will not be covered under warranty for the shipping damage. If the factory evaluation of the returned goods concludes that the failure is due to defects in materials or workmanship, the part or parts in question will be replaced under warranty with new parts, remanufactured parts, or will be repaired at the factory's option. The warranty period for all parts supplied under warranty will terminate at the end of the original product's warranty. All warranty shipments from the factory will be shipped freight prepaid.

Warranty registration is HIGHLY recommended.

No implied warranties of any kind are made by Airmax, Inc. for its products, and no other warranties, whether expressed or implied, including implied warranties of merchantability and fitness for a particular purpose, shall apply. Should an Airmax, Inc. product prove to be defective in materials or workmanship, the retail purchaser's sole remedy shall be repair or replacement of the product as expressly provided above.

The manufacturer's warranty will begin from the dealer's original purchase date if the product is not registered. To register a product, you are required to fill out the warranty registration form at airmaxeco.com/warranty. Warranty registration must be submitted directly to Airmax within 30 days of the end-user's purchase date.



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