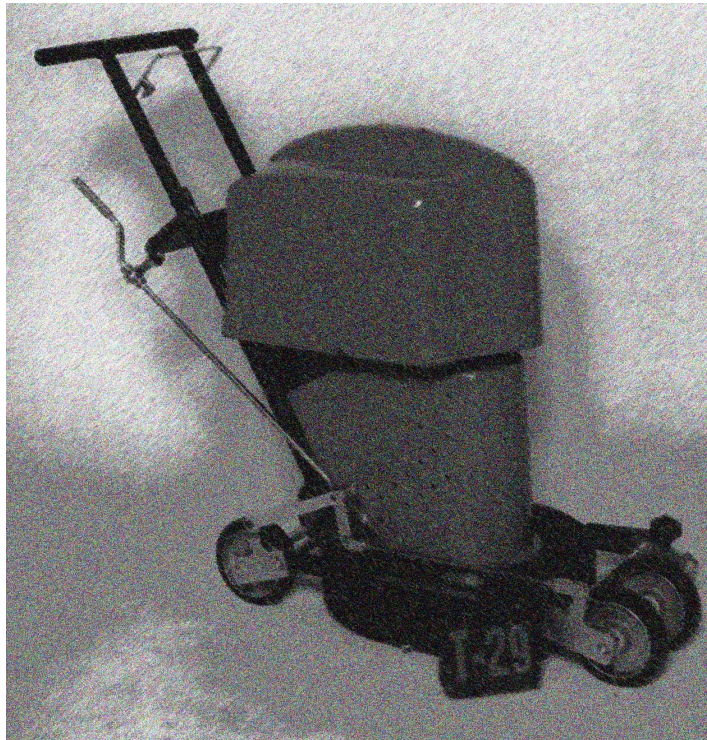


## THOMSEN T-29 CORDLESS ELECTRIC ICE EDGER

# Thomsen Ice Edgers.



Proudly Built In The USA!

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[www.thomsenedgers.com](http://www.thomsenedgers.com) [icecat@thomsenedgers.com](mailto:icecat@thomsenedgers.com)

1-800-423-6025



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Dear Owner,

Congratulations on your recent purchase of a new Thomsen Model T-29 Ice Edger. The Ice Cat is built on the popular T-18 frame and represents more than 30 years of improvements based on responses to customer needs. Being battery powered, it will improve your arena's air quality with safe, pollution free edging.

- ✓ The industrial-grade motor delivers power and performance. Its two 12 volt batteries give ample energy for a full, daily maintenance program.
- ✓ The recharger automatically fills the batteries overnight so the T-29 is ready in the morning.
- ✓ With a blade designed to cut a 17 ¾ inch path, the T-29 edger enables precision leveling of the ice.
- ✓ A stable four wheel design makes the T-29 edger easy to maneuver on and off the ice.
- ✓ Its four wheels are synchronistically adjusted to raise and lower the frame for a consistently level cutting plane.
- ✓ Its easy height adjustment and quick-change ice cutting carbide blades simplify everyday operations and routine maintenance.

This operator's guide provides comprehensive information on safety, operations, maintenance, and troubleshooting.

**PLEASE READ THE ENTIRE GUIDE CAREFULLY BEFORE OPERATING THE T-29 ICE EDGER.**

For ice edger repair or maintenance, please feel free to call us.

Sincerely,

Steven R. Overgaard  
President

**800 423-6025**

Ph: 507 373-1869 Fx: 507 373-2806

## **WARNINGS AND SAFETY INSTRUCTIONS**

### **At All Times**

- Read this operator's guide and be sure you understand and can follow all warning and safety instructions before using the T-29 edger.
- Allow only qualified operators to use the ice edger.
- Use the T-29 edger only when someone else is present and NOT on the ice sheet. Never operate the unit when you are alone.

### **When You Unpack Your T-29 Edger**

Your Thomsen Model T-29 Ice Edger comes fully assembled.

1. Before removing your T-29 edger from its carton, turn the height adjustment crank counterclockwise to lower the wheels. This raises the base and the cutting wheel off the wood shipping frame.
2. The snow deflector guard is shipped unattached and must be mounted on the right side of the base with two nuts and bolts. The open end of the guard is aligned to face toward the rear of the machine.
3. Check for bolts, nuts, or fittings that might have become loosened during shipping. If any parts appear damaged, notify your dealer.
4. If everything is in order, prepare the T-29 by removing the top battery cover and connect the two 12 volt batteries on the tray after removing the key for safety.
5. Check the torque on the battery cables daily.

### **While Operating the T-29 Edger**

1. Keep hands and feet away from the cutting area at all times.
2. Always wear safety glasses, heavy boots or other protective footwear, and long pants. To avoid static shock, do not wear gloves or boots that are insulated with rubber or rubber-like material.
3. If you should begin to slip or fall while operating the T-29 edger, release the ignition-shutdown lever immediately. Never tie or clamp the lever in the "on" position. To avoid the risk of serious injury, the lever should always be free to return to its "off" position, which will stop the engine.
4. Every time you stop the engine, raise the base so that the cutting blade will be off the surface when you restart the edger.
5. When exiting the ice area, shut off the T-29 edger motor and raise the base to its highest level. Otherwise, you might damage the carbide cutting blades.

### **Preparing to Start the T-29 Edger**

1. Before operating your T-29 edger, be sure you understand all the safety instructions and warnings. If you have any questions about the safe operation of your unit, please contact your dealer or the Thomsen Manufacturing Division of Vasco, Inc. at 800-423-6025 before proceeding.
2. Give your T-29 edger a complete inspection, including a look underneath to ensure that the hub, cutter disc, and cutting blades are properly attached. Also, check that all other screws and nuts are properly tightened. Do not use the unit unless all parts are in place and in full working order.
3. Inspect the surface of the ice for large ice chips or other debris that could be thrown and thus cause injury during operation.
4. Inspect the boards for loose or protruding objects (such as nails) that could damage the T-29 edger.
5. Be sure that the left adjustable wheel guide, snow-deflector guard and rear mounted snow deflector are mounted properly. The wheel guide can be adjusted to set the distance the edger is from the side boards, this is important so that the edger does not cut into the kick plate in your ice arena.
6. Be sure the T-29 edger is on the ice before starting the motor and that the cutting disc is raised off the ice surface. If you start the unit on another surface, it could throw dirt, gravel, or other debris, causing serious injury to persons in the area and potentially damaging the unit. Starting the motor while the unit is on concrete will quickly and severely damage the cutting blades and could cause injury.
7. Starting the edger with the blades in contact with the ice surface could damage the blades or cause the machine to lurch, injuring the operator.

### **Edging With the T-29 Edger**

Place the T-29 edger with the left side of the base along with boards so that you can push it in a clockwise direction around the rink.

Be sure that all four wheels are in contact with the ice. To compensate for any slope in the surface of the ice, move the adjustable left front wheel of the T-29 inward towards the middle to avoid riding over the ice to be cut.

Position the cutting blades the proper distance above the ice by lowering the base of the T-29 edger toward the surface until the cutting blade touches the ice, and then slightly raise the base. Note: Turning the height adjustment crank counterclockwise lowers the base and turning it clockwise raises the base. Every time you stop the motor, raise the base so that the cutting blade will be off the surface before you restart the engine.

Position the adjustable wheel guide the proper distance from the boards. If the boards are smooth and free of protrusions such as screws, nails or large splinter, you can adjust the guide wheel for a close cut. If screws or other objects protrude from the boards, position your guide for a wider cut so that the cutter bar or the cutting blade will not hit the protrusions.

After the T-29 Edger is on the ice, turn the starter key to the on position and pull the ignition shutdown lever back to the handle of the T-29. The motor will start and the blade will begin to turn.

Slowly lower the base of the T-29 edger to the ice. Stop turning the crank as soon as the cutting blade contacts the ice or reaches your desired cutting depth. If you lower the base too quickly, the T-29 edger could lurch forward, backward, or sideways, possibly causing injury.

To trim the ice, push the T-29 edger around the rink in a clockwise direction, walking about the same speed you do when mowing a lawn. Keep all four wheels on the ice at all times and avoid jerking or lifting the unit as you walk. Each time you circle the rink, the T-29 edger trims a 17-3/4 inch-wide path to a maximum depth of 3/8 inch.

When you have completed your daily edging, raise the base height and stop the motor. After exiting the rink, connect the on board charger to a power outlet using an extension cord.

Store the T-29 edger out of reach of children and in a dry place.

Remove the starting key when not in operation and keep in a secure place.

### **Operating Tips**

- We strongly recommend daily edging to avoid a large build-up of ice and to allow sufficient battery life to complete edging. With large ice accumulation along the boards, you may need to circle the rink several times for a sufficient and even trim. Trying to cut as deeply as possible is **not** as effective as making several circuits of the rink. This heavy workload will quickly drain power from the batteries.
- The T-29 edger is designed to throw the trimmed ice forward or to the side. If it throws the ice backward, the edger is cutting too deeply, but there is a deflector installed on the unit so that the snow does not get onto your shoes. To correct this, raise the base of the T-29 by turning the height-adjustment crank clockwise. If the unit throws only a minimal amount of ice, it may be cutting too shallowly. In this case, lower the base slowly for a deeper cut.
- The T-29 edger is designed to operate in a stable fashion. Excessive vibration might indicate chipping or dulling of the carbide tip on the cutting blade.

### **MAINTENANCE OF THE T-29 EDGER**

- Before performing any maintenance work on your T-29 edger, remove start key and disconnect the battery cables. Clean and lubricate all moving parts weekly, preferably with a light grease that will not drip on the ice.
- It is also important to be cutting with sharp carbide tips (I). Best results will be maintained by replacing the blade every 100 hours of use or once a month. Dull blades will slowdown the time it takes to edge, make a rougher cut and create greater wear on the engine and use

your batteries operating time more quickly. When the blade become dull or when a blade is chipped or split, contact your dealer for a replacement (part #90-151).

- To avoid creating a safety hazard and/or voiding the warranty, use only replacement parts that are recommended by the manufacturer.

### **GUARANTEE**

- All Thomsen products are made of the highest-quality materials, machined to close tolerance, and finished to exacting demands both in appearance and in performance.
- Thomsen Manufacturing guarantees all Thomsen products against defects in workmanship and materials for a period of one year from the date of sale of such products. Within this guarantee period, any part or parts proved to be defective upon examination at our factory will be replaced or repaired, free of charge. Transportation charges on parts submitted for repair or replacement under this Guarantee must be borne by the purchaser.
- This Guarantee presumes reasonable care of the product by the purchaser and does not cover misuse, neglect, or damage by transporting or accident. Note: The Minnesota Electric Technology motors come with their own warranty and are not covered under this Guarantee.

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