

READ AND SAVE THESE INSTRUCTIONS
Tower Heater Owner's Guide

LEER Y GUARDAR ESTAS INSTRUCCIONES
Guía Del Propietario Del Calefactor De La Torre

www.vornado.com

model TH1

**Designed, engineered and supported in Andover, Kansas.
Pensado, diseñado y respaldado en Andover, Kansas.**

Questions or comments?
¿Preguntas o comentarios?



www.vornado.com



consumerservice@vornado.com



800.234.0604

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IMPORTANT INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USING THIS HEATER.

Please visually inspect all internal and external components before connecting to electric current. If any damage is found, DO NOT USE THIS UNIT and contact Vornado Air LLC at 1-800-234-0604.

This appliance has a polarized plug. (One blade is wider than the other.) To reduce the risk of electrical shock, this plug is intended to fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not attempt to defeat this safety feature.

When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

- Read all instructions before using this heater.
- This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. If provided, use handles when moving this heater. Keep combustible materials, such as furniture, pillows, bedding, papers, clothes, and curtains at least 3 feet (0.9 m) from the front of the heater and keep them away from the sides and rear.
- Extreme caution is necessary when any heater is used by or near children or invalids and whenever the heater is left operating and unattended.
- Always unplug when not in use or when leaving the dwelling or premises for extended periods of time.
- **Do not** operate any heater with a damaged cord or plug or after the heater malfunctions, has been dropped or damaged in any manner. Discard heater, or return to authorized service facility for

examination and/or repair.

- **Do not** use outdoors.
- This heater is not intended for use in bathrooms, laundry areas and similar indoor locations. Never locate heater where it may fall into a bathtub or other water container.
- **Do not** run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Do not route cord under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over.
- To disconnect heater, turn controls to off, then remove plug from outlet.
- **Do not** insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electric shock or fire, or damage the heater.
- To prevent a possible fire, do not block air intakes or exhaust in any manner. Do not use on soft surfaces, like a bed, where openings may become blocked.
- A heater has hot and arcing or sparking parts inside. Do not use it in areas where gasoline, paint, or flammable liquids are used or stored.
- Use this heater only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.
- Always plug heaters directly into a wall outlet/receptacle. Never use with an extension cord or relocatable power tap (outlet/power strip). Operate this heater only in its upright position.
- **Do not** operate this heater on an elevated surface such as a shelf or desktop. Use only while placed on the floor.

IMPORTANT INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USING THIS HEATER.

- This heater is equipped with a thermal safety shut-off system, designed to turn off the heater when an internal overheating condition is detected (see How To Use “RESETTING YOUR VORNADO HEATER,” to determine how to check and reset the heater).
- **Do not** use this heater on a circuit that has a variable speed device operating, such as a blender or a variable speed fan.
- **Do not** use heater to dry human or animal hair/fur or articles of clothing.
- **CAUTION:** In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.
- **Do not** use this heater in an RV, a boat, or in any application where a DC/AC converter is converting battery power to AC power.
- **Do not** use the heater on any Ground-Fault Circuit Interrupted (GFCI) circuit. A GFCI circuit has a reset button in the middle of the outlet.
- **Do not** use this heater on a surge protected circuit.
- **Do not** use the heater with any kind of timer to turn the unit on or off.
- **Do not** use this heater on a circuit that is shared with a high power device, such as a vacuum or a circular saw.
- **CAUTION:** A loose fit between the outlet (receptacle) and plug may cause overheating and distortion of the plug. Discontinue use of the product. Contact a qualified electrician to replace loose or worn outlet.

SAVE THESE INSTRUCTIONS

Trust.

It is said that trust isn't given, but earned. For decades Vornado has been earning the trust of our customers by offering them only the best. Vornado provides the highest level of performance, coupled with the highest level of support available. Complete satisfaction with no exceptions – this is Vornado's promise to you. If you are not satisfied for any reason, please contact us. Knowledgeable representatives are available at 1-800-234-0604 from 7:00 AM to 6:00 PM CST. A wealth of additional support is also available online at www.vornado.com. On behalf of myself and the entire staff at our Andover, Kansas headquarters – thank you for selecting Vornado.

Sincerely,
Randy Brillhart
CEO, Vornado Air



Find our complete product line at www.vornado.com

V-Flow™ Heat Circulation



Ordinary Tower Heater
Without Adequate Heat Circulation

Vornado TH1
With Signature V-Flow™ Heat Circulation

Ordinary heaters provide only localized heat. Heat immediately rises to the ceiling, resulting in cold and hot spots in the room. Vornado's unique V-Flow Action delivers continuous, uniform heat, surrounding everyone in the room in a warm, comfortable temperature without the need for oscillation.

How To Use Tower Heater Controls



- 1 Power On/Off Switch**
Press (I) to turn unit On. LED light illuminates when the unit is On.
Press (O) to turn unit Off.
- 2 Thermostat Dial**
Allows you to select your desired comfort level. Turn the Dial clockwise to increase the heat setting, and counter-clockwise to decrease the heat setting. For Fan Only - set the Thermostat to the lowest setting and set the Fan Switch to Continuous (☞).
- 3 Fan Switch**
In the Auto position (☞), the Fan will cycle On and Off with the heating element. In the Continuous position (☞), the Fan will run continuously.
- 4 Heat Setting Switch**
(I) Low Heat (maximum of 750 watts), (II) Medium Heat (maximum of 1125 watts), (III) High Heat (maximum of 1500 watts).

How To Use

Positioning Your Tower Heater

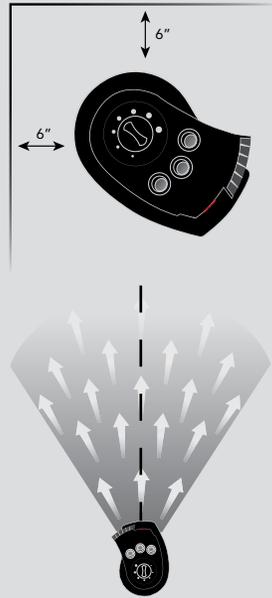
Position your heater so the V-Flow distribution of warm air is directed across the room, unobstructed. Position it in a location that is representative of the room temperature. Avoid areas of temperature extremes such as cold drafts and heat registers (see IMPORTANT INSTRUCTIONS for safe placement).

Placement near a wall or corner

Please position at least 6" away from walls or other large surfaces. Doing so will ensure your Tower Heater has adequate room to intake air, providing optimum performance.

Directing the airflow

Unlike any other tower heater, this product creates a wide span of airflow called V-Flow™ Circulation **eliminating the need for oscillation**. The Vornado logo indicates the center point of the V-Flow™ airstream, and can be used as a reference point for positioning the product in the room.



Using your Vornado Heater

Just follow these simple steps.

1. Plug Power Cord into standard wall outlet.
2. Turn Power switch On (I).
3. Select High (III), Medium (II) or Low (I) Heat.
4. Set Thermostat Dial to desired comfort level.
5. Select Auto (🌀) or Continuous (🌀) Fan.

Resetting Your Vornado Heater

Your Vornado Heater has a multi-level safety shut-off system designed to prevent overheating. Overheating may occur when the inlets or outlet are blocked or a foreign object prevents the blade from turning. If this happens, the safety shut-off system will cut power to the heat element and you will need to manually reset the heater.

1. Turn the Power switch Off (O) and unplug the unit.
2. Remove any obstructions.
3. Wait 5–10 minutes, allowing the unit to cool down.
4. Plug in the unit and place in desired position.
5. Turn the Power switch On (I). Your Vornado Heater should now function normally.

Note: If the safety shut-off system repeatedly shuts off your heater or if it will not reset after following the above procedure, **DO NOT ATTEMPT TO DISASSEMBLE THE UNIT.** Call Vornado Consumer Services Department toll-free at 1-800-234-0604.

Advanced Safety Features



Tight Grill Spacing

Resists curious fingers.



Cool Touch Case

Safe to touch, even on high heat setting.



Automatic Safety Shut Off System and Tip-Over Protection

If airflow becomes blocked and overheating occurs, power to the heating element is shut off. Heater will automatically shut off if tipped towards the front or back.



Ideal 140°F Exit Air Temperature

Warm enough to heat an entire room.

Cleaning and Storage

How to Clean

- Your heater has no user serviceable parts. Do not disassemble the unit. This will void your warranty. If service is required, return your heater to Vornado (see WARRANTY for instructions).
- The motor is permanently lubricated and requires no oiling.

Because your heater moves a substantial amount of air, it will need regular cleaning. To clean follow these simple instructions:

1. Unplug the unit.

Note: Do not use gasoline, thinners, solvents or other chemicals for cleaning.

2. Use the brush attachment on your household vacuum cleaner to vacuum any accumulated dust off the Front Angled Outlet Grill and Side Inlet Grill. Wipe down the entire surface with a soft cloth.

Note: Vacuuming the outside of the heater is recommended on a bi-weekly basis. You may also blow the heater out with high pressured air. This can be purchased from your local hardware store.

Storage

During the off-season or after extended periods of non-use, you may choose to store your heater. To ensure long life of the product, it is recommended to store your heater by following these instructions:

1. Unplug power cord and bundle loosely.
2. Thoroughly clean your heater (see instructions above).
3. Cover, or place back in retail carton if available. This will prevent the unit from accumulating dust overtime.
4. Store unit in a cool and dry location.

Troubleshooting

| Problem | Possible Cause and Solution |
|---|---|
| Unit fails to power on. | <p>Unit is not plugged in. Plug Power Cord into electrical outlet.</p> <hr/> <p>Tip-over switch is not making contact with the floor. Place heater on a level surface to ensure tip-over switch is making full contact with the floor.</p> <hr/> <p>Household circuit breaker / ground fault interrupter has tripped or blown a fuse. Reset circuit breaker / ground fault interrupter, or replace fuse (See OPERATING TIPS below).</p> <hr/> <p>The unit has overheated. Automatic Safety Shut-Off has been initiated (See RESETTING YOUR VORNADO HEATER).</p> <hr/> <p>Unit is damaged or in need of repair. Cease usage and unplug. Contact Consumer Service for assistance.</p> |
| Unit is not producing sufficient amount of heat. | <p>Ensure unit is set to High Heat and Thermostat is set to highest Temperature setting.</p> <hr/> <p>Close all doors and windows to retain heat.</p> <hr/> <p>Allow the unit to fully distribute the heat throughout the room, this may take several minutes.</p> |
| Unit power on but there is no heat. | <p>Power off and unplug the unit. On the bottom of the unit, there is a black disk. Push in 4-5 times ensuring it is not stuck. Set unit down on flat surface. Be sure power cord is not under unit. Plug unit in and power on. Turn to highest heat setting.</p> |

Operating Tips

- In smaller areas, you might prefer to set the Fan switch to Auto (🌀). In the Auto setting, the fan will cycle on and off with the heating element.
- In larger spaces, your Vornado® Heater, will function most effectively with the Fan switch set to Continuous (🌀). In the Continuous position, V-Flow will gently keep the air circulating in the room for even, uniform heating.
- Your heater can function as a personal fan for cooling. Set the Thermostat to the lowest setting and set the Fan switch to Continuous (🌀).
- When the room temperature is higher than the set temperature it is normal and correct to have little to no heat coming out of the unit.
- When the unit is first turned on, there is a slight delay before heat will start to be produced.
- Your heater, like any other 1500 watt electric heater, draws up to 12.5 amps of electric current. If using your heater on High Heat causes your home's circuit breaker or fuse to trip, we offer the following suggestions:
 - Try turning off other electrical appliances that run on the same circuit as your heater.
 - Run your heater on Low Heat.
 - Have your electrician add an additional circuit to your home's electrical system.
- ALWAYS USE COMMON SENSE WHEN USING THIS AND/OR ANY ELECTRICAL APPLIANCE.
- Do not use more than one heater at a time.
- Never ignore or take lightly the signs of an electrical problem, such as:
 - Warm outlet cover plates
 - Sparking at outlet when plugging in or during operation
 - Light flickering or dimming (indicates a shared circuit or problem)Investigate the cause of these before continuing to use the heater.



Tower Heater • 5 Year Limited Warranty

Vornado Air LLC ("Vornado") warrants to the original consumer or purchaser this Vornado® Tower Heater ("Product") is free from defects in material or workmanship for a period of five (5) years from the date of purchase, depending on model. If any such defect is discovered within the warranty period, Vornado, at its discretion, will repair or replace the Product at no cost. Repairs not covered by the warranty or outside the warranty period will require a fee to cover the cost of materials, labor, handling and shipping.

This warranty does not apply to defects resulting from abuse of the Product, modification, alteration, repair or service of the Product by anyone other than Vornado, mishandling, improper maintenance, commercial use of the Product, damages which occur in shipment or are attributed to acts of God.

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. VORNADO SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may have other rights that vary from state to state.

For warranty or repair service, call 1-800-234-0604 or email

consumerservice@vornado.com to obtain a Return Authorization ("RA") form. Please have or include your Product's model number and serial number, as well as your name, address, city, state, zip code and phone number when contacting Vornado for warranty service.

After receiving the RA form, ship your Product to:

Vornado Air LLC
Attn: Warranty & Repair
415 East 13th Street
Andover, KS 67002

For your convenience, please have your model number and serial number when contacting Vornado with service inquiries. To assure proper handling, packages must be clearly marked with the RA number. Packages not clearly marked with the RA number may be refused at the receiving dock.

Please allow 1-2 weeks for repair and return of your Product after the Product is received. For your records: Staple or attach your original sales receipt to this Owner's Guide. Please also write your product's serial number below (located on product specs decal).

Serial No. _____

Product registration available online at www.vornado.com

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Specifications subject to change without notice.

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Designed, engineered and supported in Andover, KS.

Manufactured in China.

www.vornado.com consumerservice@vornado.com 800.234.0604

PRODUCT SPECIFICATIONS

| | |
|------------------------|---|
| MODEL | TH1 |
| VOLTAGE | 120V ~ |
| WATTAGE | 1500W |
| AMPERAGE | 12.5A |
| UNIT DIMENSIONS | 20.0□(50.8 CM.) x 7.9□(20.1 CM.) x 5.5□(14.0 CM.) |

ESPECIFICACIONES DEL PRODUCTO

| | |
|---------------------------------|---|
| MODELO | TH1 |
| VOLTAJE | 120V ~ |
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| AMPERAJE | 12.5A |
| DIMENSIONES DE LA UNIDAD | 20.0□(50.8 CM.) x 7.9□(20.1 CM.) x 5.5□(14.0 CM.) |



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