

Master MH-135T-KFA

Master MH-135T-KFA Kerosene Forced Air Heater User Manual

Model: MH-135T-KFA

INTRODUCTION

Thank you for purchasing the Master MH-135T-KFA Kerosene Forced Air Heater. This manual provides important information for the safe operation, maintenance, and troubleshooting of your heater. Please read this manual thoroughly before operating the unit and keep it for future reference.



Figure 1: Master MH-135T-KFA Kerosene Forced Air Heater. This image shows the complete heater unit, featuring its yellow cylindrical body, black fuel tank base, and sturdy black handles and wheels for portability. The front of the heater emits a warm glow, indicating its heating function.

IMPORTANT SAFETY INFORMATION

Always follow basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and injury to persons.

- **Read all instructions** before using this heater.
- Ensure proper ventilation to prevent carbon monoxide poisoning.
- Do not use this heater in residential living areas. It is designed for industrial and outdoor use.
- Keep combustible materials at least 8 feet (2.4 meters) from the front of the heater and 3 feet (0.9 meters) from the sides and top.
- Use only kerosene, JP8, Jet A fuel, 1 and 2 fuel oil, or 1 and 2 diesel as fuel. Do not use gasoline or other volatile fuels.
- Always unplug the heater when not in use or before servicing.
- Do not operate the heater if it has been dropped or damaged in any manner.
- This heater is equipped with an automatic safety shut-off system. Do not bypass or modify this feature.

PRODUCT OVERVIEW

The Master MH-135T-KFA is a portable kerosene forced air heater designed for heating large spaces such as garages, workshops, construction sites, warehouses, and aircraft hangers. It features a robust design with integrated wheels and handles for easy transport.

Key Features:

- **BTU Output:** 135,000 BTU
- **Heating Area:** Up to 3375 square feet
- **Fuel Type:** Multi-fuel (Kerosene, JP8, Jet A fuel, 1 & 2 fuel oil, 1 & 2 diesel)
- **Fuel Tank Capacity:** 10 Gallons
- **Operating Hours:** Approximately 10 hours on a full tank
- **Thermostat:** Built-in for temperature control
- **Safety:** Automatic safety shut-off system
- **Portability:** Integrated wheel and handle kits with heavy-duty pneumatic tires
- **Diagnostics:** Digital temperature readout and LED diagnostics



Figure 2: Close-up view of the heater's control panel and fuel tank. This image highlights the control knob, digital display, and various warning labels on the black fuel tank, indicating the heater's operational interface and safety information.

SETUP AND ASSEMBLY

The Master MH-135T-KFA heater requires some assembly before first use. Follow these steps carefully:

1. **Unpacking:** Carefully remove all components from the packaging. Check for any shipping damage.

2. **Wheel and Handle Installation:** Attach the heavy-duty pneumatic wheels and handles to the heater frame using the provided hardware. Ensure all bolts are securely tightened.
3. **Placement:** Position the heater on a level, non-combustible surface. Ensure adequate clearance from walls, ceilings, and combustible materials as specified in the safety section.
4. **Fueling:** Fill the 10-gallon fuel tank with clean kerosene, JP8, Jet A fuel, 1 and 2 fuel oil, or 1 and 2 diesel. Do not overfill. Always refuel outdoors and away from ignition sources.
5. **Power Connection:** Connect the heater to a grounded electrical outlet using the integrated extension cord wrap. Ensure the power supply matches the heater's requirements.



Figure 3: Side view of the heater showing the robust handles and pneumatic wheels. This image emphasizes the heater's design for easy transport, highlighting the durable wheels and the handle extending from the main body.

OPERATING INSTRUCTIONS

Starting the Heater:

1. Ensure the heater is properly fueled and connected to a power source.
2. Turn the Power On/Off switch to the "ON" position.
3. Set the thermostat to the desired temperature. The heater will automatically ignite and begin heating.
4. Monitor the digital temperature readout and LED diagnostics for operational status.

Shutting Down the Heater:

1. Turn the Power On/Off switch to the "OFF" position.

- 2. Allow the heater to cool down completely before moving or storing.
- 3. Unplug the heater from the power outlet.

Fuel Gauge:

The built-in fuel gauge provides an indication of the remaining fuel level in the tank. Refuel when the gauge indicates low fuel to ensure continuous operation.

MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Master MH-135T-KFA heater. Always unplug the heater before performing any maintenance.

- **Cleaning:** Keep the heater clean and free from dust and debris. Use a soft, dry cloth for exterior cleaning.
- **Fuel Filter:** Periodically inspect and clean or replace the fuel filter to ensure proper fuel flow.
- **Nozzle:** Check the burner nozzle for clogs or damage. Clean or replace as necessary.
- **Air Pressure Gauge:** Ensure the built-in calibrated air pressure gauge is functioning correctly.
- **Storage:** When storing the heater for extended periods, drain the fuel tank and store in a dry, safe location.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Heater does not start	No power; No fuel; Thermostat set too low; Safety shut-off activated.	Check power connection; Refuel; Adjust thermostat; Reset heater.
Heater runs, but no heat	Clogged fuel filter or nozzle; Incorrect fuel type.	Clean/replace fuel filter/nozzle; Use recommended fuel.
Excessive smoke or odor	Poor ventilation; Dirty fuel filter/nozzle; Incorrect fuel.	Ensure adequate ventilation; Clean/replace components; Use correct fuel.

If the problem persists after attempting these solutions, contact qualified service personnel.

SPECIFICATIONS

Feature	Detail
Model Number	MH-135T-KFA
BTU Output	135,000 BTU
Heating Area	Up to 3375 sq ft
Fuel Capacity	10 Gallons
Fuel Consumption	0.56 gal/hr
Max Operating Hours	10 hours (on full tank)
Motor	1/5 HP



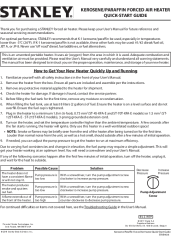
Feature	Detail
CFM	540 CFM
Dimensions (H x W x D)	26" x 39" x 23" (58.42 x 99.06 x 66.04 cm)
Weight	22.23 kg
Certification	CSA Certified




WARRANTY INFORMATION

The Master MH-135T-KFA Kerosene Forced Air Heater comes with a **1-Year Limited Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, abuse, accident, unauthorized repairs, or lack of proper maintenance. For warranty claims or service, please contact Master customer support with your proof of purchase.

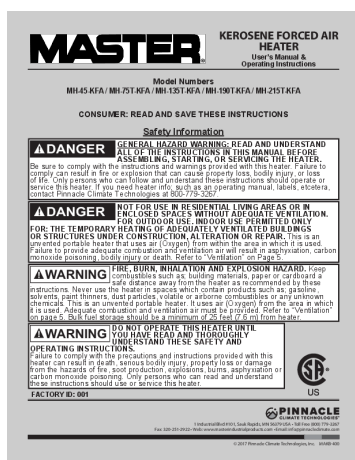
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Related Documents - MH-135T-KFA

	<p>Master Kerosene Forced Air Heater User Manual & Operating Instructions</p> <p>Comprehensive user manual and operating instructions for Master Kerosene Forced Air Heaters, including models MH-45-KFA, MH-75T-KFA, MH-135T-KFA, MH-190T-KFA, and MH-215T-KFA. Covers safety, features, specifications, assembly, operation, maintenance, troubleshooting, and warranty.</p>
	<p>Master Kerosene Forced Air Heater User's Manual & Operating Instructions</p> <p>This manual provides comprehensive operating instructions and safety information for Master Kerosene Forced Air Heaters, including model numbers MH-45-KFA, MH-80T-KFA, MH-140T-KFA, MH-190T-KFA, and MH-215T-KFA. It covers assembly, operation, maintenance, troubleshooting, and warranty details.</p>
	<p>STANLEY KEROSENE/PARAFFIN FORCED AIR HEATER QUICK-START GUIDE</p> <p>This quick-start guide provides essential information for setting up and operating your STANLEY kerosene/paraffin forced air heater. It covers recommended fuels, safety precautions, step-by-step setup instructions, and basic troubleshooting for common issues like flame consistency and smoke.</p>

	<p>Remington Kerosene Forced Air Heater User's Manual & Operating Instructions</p> <p>Comprehensive user manual and operating instructions for Remington Kerosene Forced Air Heaters (Models REM-45-KFA-B through REM-215T-KFA-B), covering safety warnings, specifications, assembly, operation, maintenance, troubleshooting, and limited warranty information.</p>
	<p>Master Kerosene Radiant Heater User Manual & Operating Instructions (MH-80-OFR, MH-125-OFR-A)</p> <p>This comprehensive manual from Pinnacle Climate Technologies provides essential safety, operation, assembly, and maintenance instructions for the Master Kerosene Radiant Heater models MH-80-OFR and MH-125-OFR-A.</p>
	<p>Handleiding Eurom KFA-70, KFA-125, KFA-170 Verplaatsbaar Heteluchtkanon</p> <p>Gebruikershandleiding voor de Eurom KFA-70, KFA-125 en KFA-170 verplaatsbare heteluchtkanonnen, met instructies voor installatie, bediening, onderhoud en veiligheid.</p>

Documents - Master – MH-135T-KFA



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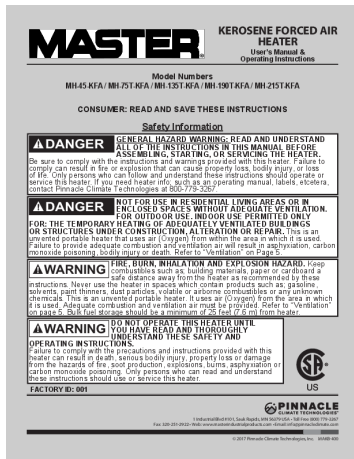
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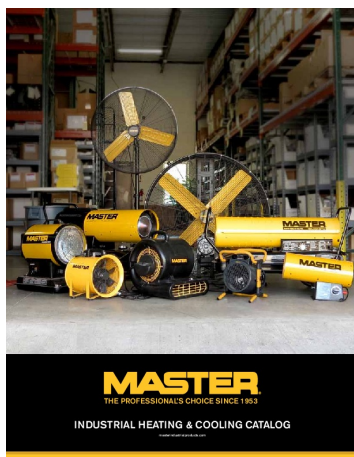


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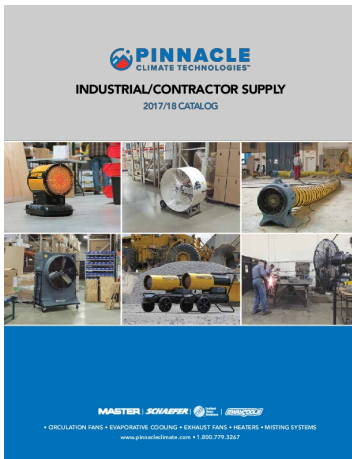


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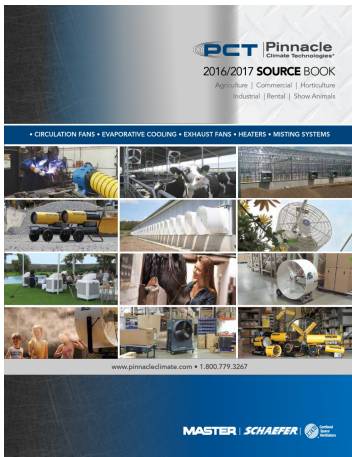


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