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Corona FH-ST3212Y

Corona FH-ST3212Y Petroleum Fan Heater User Manual

Model: FH-ST3212Y

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INTRODUCTION

Thank you for purchasing the Corona FH-ST3212Y Petroleum Fan Heater. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new heater. Please read this manual thoroughly before using the appliance and keep it for future reference.

IMPORTANT SAFETY INFORMATION

WARNING: Failure to follow these safety instructions could result in fire, electric shock, serious injury, or death.

- Always use **Kerosene (Petroleum)** as fuel. Never use gasoline, benzene, paint thinner, or other flammable liquids.
- Ensure adequate ventilation when operating the heater.
- Do not operate the heater in areas where flammable gases or vapors may be present.
- Keep children and pets away from the heater.
- Do not cover the heater or block its air inlets/outlets.
- Place the heater on a stable, level surface, away from curtains, furniture, and other combustible materials.
- Unplug the heater before cleaning, refueling, or performing any maintenance.
- Do not touch hot surfaces. Use handles or knobs.
- Regularly inspect the power cord for damage.
- Do not use the heater in bathrooms or other wet environments.

PRODUCT OVERVIEW AND COMPONENTS

Familiarize yourself with the main parts of your Corona FH-ST3212Y Petroleum Fan Heater.



Figure 1: Front view of the Corona FH-ST3212Y Petroleum Fan Heater. This image displays the front of the Corona FH-ST3212Y Petroleum Fan Heater, highlighting its control panel with digital display and various buttons, as well as the air outlet grille at the bottom. The heater is shown in a typical living room setting.



Figure 2: Overview of FH-ST3212Y features and specifications. This image presents an overview of the FH-ST3212Y model, showing two color variations (Fine Gold and Shell White). It lists key features like ECO mode, low power consumption, child lock, 24-hour digital timer, and safety devices. Technical specifications such as heating capacity (up to 9 tatami for wood, 12 tatami for concrete), dimensions, weight, and power consumption are also detailed.

Key Features:

- **ECO Mode:** For energy-efficient operation.
- **Odor Cut Mechanism:** Reduces kerosene smell.
- **Child Lock:** Prevents accidental operation.
- **24-Hour Digital Timer:** Allows scheduled operation.
- **Safety Devices:** Includes automatic fire extinguishing device and tip-over switch.
- **Low Power Consumption:** Designed for energy saving.

SETUP INSTRUCTIONS

1. **Unpacking:** Carefully remove the heater from its packaging. Retain packaging materials for future storage or

transport.

2. Placement:

- Place the heater on a firm, level, non-combustible surface.
- Ensure there is at least 3 feet (90 cm) clearance from walls, furniture, curtains, and other combustible materials.
- Do not place the heater directly under a power outlet.
- This heater is designed for floor mount use in rooms such as bedrooms, home offices, or study rooms.

3. Fueling:

- Ensure the heater is unplugged before refueling.
- Use only clean, clear kerosene (petroleum). Do not use old or contaminated fuel.
- Open the fuel tank cap, fill the tank carefully, avoiding spills. Do not overfill.
- Securely close the fuel tank cap after filling.

4. **Power Connection:** Plug the power cord into a grounded electrical outlet.

OPERATING INSTRUCTIONS

Basic Operation:

1. **Power On:** Press the **Power** button. The heater will initiate a self-check and then begin heating.
2. **Temperature Adjustment:** Use the **Temperature Up/Down** buttons to set your desired room temperature.
3. **Power Off:** Press the **Power** button again. The heater will go through a cool-down cycle before completely shutting off. Do not unplug during the cool-down cycle.

Advanced Features:

- **ECO Mode:** Press the **ECO Mode** button to activate energy-saving operation. The heater will automatically adjust its output to maintain a comfortable temperature while minimizing fuel consumption.
- **Child Lock:** To activate the child lock, press and hold the **Child Lock** button for a few seconds. An indicator light will illuminate. Repeat the process to deactivate.
- **24-Hour Digital Timer:** Refer to the detailed instructions in the full manual for setting the timer. This feature allows you to program the heater to turn on or off at specific times.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your heater.

1. Cleaning the Exterior:

- Unplug the heater and allow it to cool completely.
- Wipe the exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents.

2. Cleaning the Fan Guard:

- Periodically clean dust and debris from the fan guard using a vacuum cleaner with a brush attachment.

3. Odor Cut Mechanism:



Figure 3: Odor Cut Mechanism. This diagram explains the 'Odor Cut Mechanism' which prevents residual kerosene smell by absorbing it from the nozzle tip using an electronically controlled electromagnetic pump. Regular operation of this feature helps maintain a clean-smelling environment.

- The heater is equipped with an Odor Cut Mechanism that electronically controls an electromagnetic pump to absorb residual kerosene from the nozzle tip, preventing odors. This system operates automatically.

4. Fuel Tank:

- Drain any remaining fuel from the tank before long-term storage.
- Clean the fuel tank periodically to prevent sediment buildup.

TROUBLESHOOTING

Before contacting customer support, please refer to the following common issues and solutions.

Problem	Possible Cause	Solution
Heater does not turn on.	No power, fuel tank empty, safety device activated.	Check power cord connection. Refill fuel tank. Reset heater by unplugging for 5 minutes.
Unusual odor during operation.	Poor ventilation, old/contaminated fuel, dust buildup.	Ensure adequate ventilation. Use fresh kerosene. Clean heater exterior and fan guard.
Heater shuts off unexpectedly.	Low fuel, tip-over switch activated, overheating.	Check fuel level. Ensure heater is on a stable surface. Clear any obstructions around air inlets/outlets.
Error code displayed.	Specific malfunction.	Refer to the full manual for a list of error codes and their corresponding solutions. If the issue persists, contact customer support.

SPECIFICATIONS

Model Number	FH-ST3212Y
Heating Method	Forced Air
Burner Type	Radiant
Mounting Type	Floor Mount

Recommended Room Type	Bedroom, Home Office, Study Room
Package Dimensions	19.92 x 17.32 x 13.78 inches
Item Weight	23.2 pounds

WARRANTY AND SUPPORT

Warranty Information:

The Corona FH-ST3212Y Petroleum Fan Heater comes with a **3-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by misuse, accident, unauthorized repairs, or failure to follow the instructions in this manual.

Customer Support:

For technical assistance, warranty claims, or to order replacement parts, please contact Corona customer support. Refer to the product packaging or the official Corona website for the most up-to-date contact information.

When contacting support, please have your model number (FH-ST3212Y) and purchase date readily available.

