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› WIPPRO 8KW Diesel Air Heater User Manual (Model AGAH-222)

## WIPPRO AGAH-222

# WIPPRO 8KW Diesel Air Heater User Manual

Model: AGAH-222

## 1. INTRODUCTION

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The WIPPRO 8KW Diesel Air Heater (Model AGAH-222) is an all-in-one heating solution designed for efficient and reliable warmth in various environments. This portable heater offers continuous heating with a fuel consumption rate of 0.18 to 0.53 liters per hour, providing a customizable temperature range of 46.4°F to 96.8°F (8°C to 36°C). It supports versatile voltage compatibility, including 12V, 24V, and 110V, making it suitable for campers, cars, RVs, trucks, boats, campervans, and caravans. The 2025 upgraded model features enhanced safety with anti-leak technology and includes thermostatic control, a timing function, preheating, and overheating protection at  $\geq 518^{\circ}\text{F}/270^{\circ}\text{C}$ .

This manual provides essential information for the safe and effective operation and maintenance of your WIPPRO diesel air heater.



Image 1.1: The WIPPRO 8KW Diesel Air Heater, showcasing its compact design and included accessories.

## 2. WHAT'S IN THE BOX

Upon unpacking, ensure all components listed below are present:

- 1 x All-in-one Diesel Heater Unit
- 1 x Remote Control
- 1 x Silencer
- 1 x Air Filter
- 1 x Inlet Pipe
- 2 x Outlet Pipes
- 1 x Exhaust Pipe
- 1 x Installation Kit (includes clamps, screws, etc.)
- 1 x 110V Power Adapter (for AC power supply)
- 1 x DC Power Cable (for 12V/24V power supply)
- 1 x Instruction Manual (this document)

### 3. SETUP

Follow these steps to properly set up your WIPPRO Diesel Air Heater:

#### 3.1 Initial Placement

Place the heater unit horizontally on a stable, flat surface. Ensure there is adequate clearance around the unit for proper airflow and to prevent obstruction of the air inlet and outlet.

#### 3.2 Air Filter Installation

Locate the air intake port on the heater. Install the air filter by securely attaching it to this port. This filter helps prevent dust and debris from entering the heater's combustion chamber.

**1 GAL KEEP YOUR WARM ALL NIGHT**  
Warmth for outdoor camping, saves on fuel costs

**8 kW**  
Maximum Combustion Power

**≥90%**  
Combustion Efficiency

**0.16~0.62 L/h**  
Fuel Consumption

**≤75 dB**  
Low Noise Operation

**WIPPRO**  
INTERNATIONAL DESIGN

Image 3.1: Attaching the air filter to the heater's intake port.

#### 3.3 Exhaust Pipe and Silencer Installation

Connect the silencer to one end of the exhaust pipe using a clamp. Then, attach the other end of the exhaust pipe to the

heater's exhaust port. Secure it firmly with the provided clamp. Ensure the exhaust pipe is directed away from the heated area and any flammable materials. The exhaust must be vented externally.

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**WIPPRO**  
BRANDS THE WARMTH OF WINTER ICE-THAWING IN ONLY 10 MINUTES

INTERNATIONAL PERSON

Image 3.2: Proper connection of the silencer and exhaust pipe. Ensure horizontal placement of the exhaust for correct operation.

### 3.4 Air Outlet Pipe and Vent Installation

Attach the air outlet pipe to the heater's hot air outlet. Secure it with a clamp. Then, connect the vent to the other end of the air outlet pipe, also securing it with a clamp. Direct the vent towards the area requiring heat.

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Image 3.3: Securing the air outlet pipe and vent to the heater.

### 3.5 Fueling the Diesel Tank

Unscrew the fuel cap and remove the diesel filter screen. Carefully pour diesel fuel into the 8L (2.1 GAL) tank. Ensure the fuel level is visible on the gauge. Reinsert the filter screen and securely tighten the fuel cap. The anti-slip washer on the cap helps prevent leaks.

# 7L/1.6GALLON LARGE CAPACITY FUEL TANK



Spill-proof

leak-proof oil cap:  
unaffected by rough road conditions



Image 3.4: Fuel tank and gauge. Refuel promptly when the level is low.

## 3.6 Power Connection

The heater supports multiple power supply modes:

- **DC Power (12V/24V):** Connect the DC power cable to a compatible 12V or 24V battery source. Ensure correct polarity.
- **AC Power (110V):** Use the provided 110V power adapter. Plug the adapter into a standard 110V outlet and connect it to the heater's AC input port.

# ADAPTABLE TO ANY VOLTAGE ENVIRONMENT

2 Flexible Wiring Options for Versatile Switching

Note: Exhaust Must Be Vented Externally

**110V**

American Standard Outlets



**DC12V/24V/110V**

Vehicle Battery Compatible



Suitable for  
**Backup Power**

Image 3.5: The heater supports 110V, 12V, and 24V power inputs.



Image 3.6: Connecting the 110V adapter for AC power.

### 3.7 Installation Video Guide

For a visual guide on the installation process, please refer to the official installation video:

Your browser does not support the video tag.

Video 3.1: Official installation guide for the WIPPRO 2025 upgraded diesel heater, demonstrating step-by-step assembly and setup.

## 4. OPERATING INSTRUCTIONS

Once the heater is set up and fueled, follow these steps to operate it:

### 4.1 Starting the Heater

The heater can be started using either the LCD control panel or the remote control:

- **LCD Control Panel:** Press the power button on the LCD display. The screen will illuminate, and the heater will begin its startup sequence.

- **Remote Control:** Press the power button on the remote control. Ensure the remote is within range and pointed towards the heater.



**SCHEDULE YOUR HEATING TIME WITH  
24 HOUR TIMER FUNCTION**

Provide You With a Warm and Sound Sleep

**24-hour Timer Function**

**Energy Conservation**

**LCD SWITCH:**

- ▶ Color LCD screen
- ▶ 24-hour timing function
- ▶ Temperature/power regulation

Image 4.1: The LCD control panel and remote control for starting and adjusting the heater.

## 4.2 Temperature Adjustment

Use the arrow buttons on the LCD control panel or remote control to adjust the desired temperature. The heater will maintain the set temperature within its operating range of 46.4°F to 96.8°F (8°C to 36°C).

## 4.3 Timer Function

The heater features a 24-hour timing function. Refer to the LCD control panel instructions for setting specific operating times. This allows for scheduled heating and energy conservation.

## 4.4 Safety Features

The WIPPRO Diesel Air Heater is equipped with several safety features:

- **Overheating Protection:** The unit will automatically shut down if the internal temperature exceeds 518°F (270°C) to prevent damage and ensure safety.

- **Preheating Function:** This function ensures optimal combustion and reduces wear during startup in cold conditions.
- **Thermostatic Control:** Maintains a consistent desired temperature, preventing excessive heating or cooling.



Image 4.2: Overheat protection feature, ensuring safe operation.

## 5. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your diesel heater:

- **Fuel Tank Inspection:** Periodically check the fuel tank for any signs of leakage. The upgraded internal thread design and additional rubber ring are designed to prevent oil leakage, but regular inspection is recommended.
- **Air Filter Cleaning:** Inspect and clean the air filter regularly to ensure unrestricted airflow. A clogged filter can reduce efficiency.
- **Exhaust System Check:** Ensure the exhaust pipe and silencer are free from blockages and securely attached.
- **General Cleaning:** Keep the exterior of the heater clean and free of dust and debris. Do not use abrasive cleaners.
- **Storage:** When storing the heater for extended periods, especially during off-season, ensure the fuel tank is empty or filled with fresh fuel and store it in a dry, protected area.

## 6. TROUBLESHOOTING

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If you encounter issues with your WIPPRO Diesel Air Heater, consider the following common troubleshooting steps:

- **Heater not starting:** Check power connections (DC cable or 110V adapter) and ensure they are secure. Verify that there is sufficient diesel fuel in the tank.
- **Low heat output:** Ensure the air filter is clean and not obstructed. Check that the air inlet and outlet are clear. Verify the set temperature on the control panel.
- **Unusual noises:** Inspect the exhaust system for loose connections or obstructions. Ensure the heater is placed on a stable surface.
- **Error codes on LCD:** Refer to the specific error code meanings in the detailed manual provided with the product for diagnostic steps.
- **Fuel leakage:** Immediately power off the unit. Check the fuel cap and anti-slip washer for proper sealing. Inspect fuel lines for damage.

If problems persist after attempting these steps, please contact customer support.

## 7. SPECIFICATIONS

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Feature	Specification
Brand	WIPPRO (Manufacturer: AGECDXW)
Model Number	AGAH-222
Power Voltage	12 Volts, 24 Volts, 110 Volts
Wattage	8000 Watts (8KW)
Fuel Type	Diesel
Fuel Tank Capacity	8 Liters (2.1 Gallons)
Fuel Consumption	0.16 to 0.62 liters per hour
Temperature Range	46.4°F to 96.8°F (8°C to 36°C)
Overheat Protection	≥518°F (270°C)
Special Features	Digital Display, Thermostatic Control, Timing Function, Preheating, Anti-Leak Technology
Item Weight	18 pounds
Product Dimensions	12 x 15 x 14.5 inches

## 8. WARRANTY AND SUPPORT

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For warranty information, please refer to the documentation included with your purchase or contact the manufacturer directly. If you require technical assistance, have questions about operation, or need to report a defect, please reach out to WIPPRO customer support through the contact information provided on the product packaging or the official brand website. Please have your model number (AGAH-222) and purchase details ready when contacting support.

