DIESEL AIR CAR PARKING HEATER

USER MANUAL

LANGUAGES

ENGLISH 01–23
DEUTSCH 24–46
ČEŠTINA 47–69
ITALIANO 70–92
POLSKI 93–115

Read the user manual carefully before using the product.
Keep the user manual properly for future reference.

Thank you for choosing our product. Before using the product, please read the following safety instructions carefully to ensure safe and correct use. Please keep the manual properly for future reference.

Please note that the product shall be installed by a professional technician. Do not attempt to disassemble, repair or modify the product by yourself. Otherwise, it may cause malfunction, fire, electric shock or other hazards, and the warranty will be void.

Please do not use the product in the following circumstances:
- Near flammable, explosive, or corrosive materials, or in environments with poor ventilation.
- Where there is a risk of fire, explosion, or electric shock.
- Where there is a risk of suffocation or poisoning.

Please ensure that the product is used in accordance with the instructions to avoid damage or accidents caused by improper operation.

Please keep children away from the product to prevent accidental operation or injury.

Please ensure that the product is properly grounded to avoid electric shock or fire hazards.

Please do not use the product in a vehicle with a fuel tank capacity of less than 20 liters to avoid insufficient fuel supply.

Please do not use the product in a vehicle with a battery voltage of less than 11V to avoid damage to the product or the vehicle's battery.

Please do not use the product in a vehicle with a battery voltage of more than 30V to avoid damage to the product or the vehicle's battery.

Please do not use the product in a vehicle with a battery capacity of less than 60Ah to avoid damage to the product or the vehicle's battery.

Please do not use the product in a vehicle with a battery capacity of more than 200Ah to avoid damage to the product or the vehicle's battery.

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Please do not use the product in a vehicle with a battery voltage of more than 30V to avoid damage to the product or the vehicle's battery.

Please do not use the product in a vehicle with a battery capacity of less than 60Ah to avoid damage to the product or the vehicle's battery.

Please do not use the product in a vehicle with a battery capacity of more than 200Ah to avoid damage to the product or the vehicle's battery.

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1. CONTACT US

Thank you for choosing our product. Our company is committed to provide you with high-quality products and excellent after-sales service. If you encounter any problems during the use of our products, please contact us through the following methods, and we will respond to you as soon as possible.

Email: support@vevor.com

Phone: +1 (909) 414-8888 (Monday to Friday, 9:00 AM - 5:00 PM PST)

We look forward to hearing from you and will do our best to help you solve any problems you may have.

2. Function introduction

2.1 Product Overview

Thank you for choosing our diesel air heater. This product is a high-efficiency and low-consumption heating device, mainly composed of a heater host, a display control panel, and various accessories. It is suitable for heating various vehicles, boats, and small spaces, providing a comfortable warm environment in cold weather.

2.2 Introduction of Portable Heat Source, Heating Control

- Heat source:
  - Diesel: Uses diesel as fuel, which is combusted in the heater to generate heat. Diesel has a high energy density and can provide long-lasting heating.
  - Electric heating: Uses electricity as a heat source, converting electrical energy into heat through heating elements. Electric heating is clean and convenient, suitable for areas with stable electricity supply.
- Heating control:
  - Temperature control: Allows users to set the desired temperature, and the heater will automatically adjust the heating power to maintain the set temperature.
  - Timer control: Users can set the heater's operating time, and it will automatically start and stop at the set time.
  - Remote control: Some models support remote control, allowing users to operate the heater via a remote control or mobile app.

2.3 Working Principle of Diesel Air Heater

The working principle of a diesel air heater is to heat air through the combustion of diesel fuel and then distribute the heated air into the vehicle or space through a fan. The specific working principle is as follows:

1. Fuel supply: The diesel air heater draws diesel fuel from the vehicle's fuel tank through a fuel pump and delivers it to the combustion chamber.
2. Ignition: The diesel fuel is ignited in the combustion chamber by a spark plug or glow plug, initiating the combustion process.
3. Combustion: The diesel fuel burns in the combustion chamber, releasing a large amount of heat energy.
4. Heat exchange: The heat generated by combustion is transferred to the heat exchanger, which heats the air passing through it.
5. Air circulation: A fan draws cold air from the vehicle or space, passes it through the heat exchanger to be heated, and then distributes the heated air back into the vehicle or space.
6. Exhaust: The combustion gases are discharged through the exhaust pipe to the outside, ensuring that harmful gases do not enter the vehicle or space.

3. Installation instructions

3.1 Installation diagram

3.2 Installation steps

1. Choose the installation location: Select a suitable location for installing the diesel air heater, usually in the engine compartment or other well-ventilated areas. Ensure the location is away from flammable materials and heat sources.
2. Fix the heater: Use screws or brackets to fix the diesel air heater in the selected location, ensuring it is stable and secure.
3. Connect the fuel line: Connect the fuel line of the diesel air heater to the vehicle's fuel tank, ensuring the connection is tight and leak-free.
4. Connect the exhaust pipe: Connect the exhaust pipe of the diesel air heater to the exhaust system, ensuring the exhaust gases are discharged outside the vehicle.
5. Connect the air duct: Connect the air duct of the diesel air heater to the vehicle's air conditioning system or other heating areas, ensuring the air duct is unobstructed.
6. Connect the power supply: Connect the power supply of the diesel air heater to the vehicle's battery, ensuring the connection is correct and secure.
7. Install the control panel: Install the control panel of the diesel air heater in the driver's cabin or other convenient location for operation.
8. Test run: After installation, perform a test run to check if the diesel air heater is working properly, ensuring there are no leaks or abnormal noises.

4. Safety instructions(Read before use)

- Operation Safety
  - Ensure that the diesel air heater is installed in a well-ventilated area to avoid the accumulation of harmful gases.
  - Do not operate the diesel air heater in flammable, explosive, or corrosive environments.
  - Ensure that the fuel line and exhaust pipe are properly connected and sealed to prevent fuel leakage and exhaust gas leakage.
  - Do not touch the heater's surface during operation to avoid burns.
  - Ensure that the power supply voltage matches the heater's requirements to avoid damage to the heater or electrical hazards.
  - Do not cover the heater's air inlet and outlet to ensure proper airflow.
  - Regularly check the heater's fuel line, exhaust pipe, and air duct for blockages or damage.
  - Do not refuel while the heater is operating; refuel only after the heater has cooled down.
  - Keep children and pets away from the heater to avoid accidental contact.
- Maintenance Safety
  - Before performing maintenance, ensure that the heater is turned off and has cooled down.
  - Use only original or recommended replacement parts for maintenance.
  - Regularly clean the heater's air inlet and outlet to ensure proper airflow.
  - Check the fuel line and exhaust pipe for aging or damage and replace them promptly.
  - Do not disassemble the heater's internal components unless you are a professional technician.
  - Ensure that the heater is properly grounded to avoid electrical hazards.
  - Regularly check the heater's electrical connections to ensure they are secure and free of corrosion.
  - Do not use damaged or faulty heaters; repair or replace them promptly.
  - Keep maintenance records for future reference.
  - Ensure that all safety devices are functioning properly after maintenance.

5. Use the operating instructions

5.1 The control panel & shown below

5.2 Operation steps

- Start the heater:
  - Manual start: Press the start button on the control panel, and the heater will begin to operate.
  - Timer start: Set the start time, and the heater will automatically start at the set time.
  - Remote start: Start the heater via a remote control or mobile app.
- Adjust the temperature: Use the temperature adjustment knob or buttons to set the desired temperature.
- Stop the heater: Press the stop button on the control panel, and the heater will stop operating.

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5.4 Maintenance

- Before performing maintenance, ensure that the heater is turned off and has cooled down.
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5.5 Fault handling

- Heater does not start:
  - Check if the fuel supply is sufficient.
  - Check if the battery voltage is sufficient.
  - Check if the fuse is blown.
  - Check if the spark plug or glow plug is working properly.
- Heater starts but does not heat:
  - Check if the fuel line is blocked.
  - Check if the exhaust pipe is blocked.
  - Check if the air duct is blocked.
  - Check if the heater's internal components are damaged.
- Heater overheats:
  - Check if the air inlet and outlet are blocked.
  - Check if the heater's internal components are damaged.
  - Check if the temperature sensor is working properly.
- Heater emits abnormal noise:
  - Check if the fan is working properly.
  - Check if the fuel line is blocked.
  - Check if the exhaust pipe is blocked.
  - Check if the heater's internal components are damaged.

5.6 Maintenance and upkeep

- Regularly clean the heater's air inlet and outlet to ensure proper airflow.
- Check the fuel line and exhaust pipe for aging or damage and replace them promptly.
- Do not disassemble the heater's internal components unless you are a professional technician.
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- Keep maintenance records for future reference.
- Ensure that all safety devices are functioning properly after maintenance.

5.7 Storage and transportation

- Storage:
  - Store the heater in a dry, well-ventilated area away from flammable materials and heat sources.
  - Avoid storing the heater in environments with high humidity or corrosive gases.
  - Store the heater in its original packaging or a suitable container to prevent damage.
- Transportation:
  - Ensure that the heater is properly secured during transportation to prevent movement or damage.
  - Avoid transporting the heater in extreme temperatures or weather conditions.
  - Follow all relevant regulations and guidelines for transporting flammable materials.

5.8 Disposal and recycling

- Disposal:
  - Dispose of the heater in accordance with local regulations and guidelines for electronic waste.
  - Do not dispose of the heater in regular trash or landfills.
  - Consider recycling the heater's components, such as metal and plastic parts.
- Recycling:
  - Contact a local recycling center or waste management facility for information on recycling the heater.
  - Ensure that the heater is properly prepared for recycling, such as removing batteries and fluids.
  - Support recycling efforts by choosing products with recyclable materials and packaging.

5.9 Environmental protection

- Energy saving:
  - Use the heater efficiently by setting the appropriate temperature and timer settings.
  - Avoid overheating the heater by ensuring proper airflow and maintenance.
  - Consider using alternative heating methods, such as solar or wood-burning heaters, to reduce energy consumption.
- Emission reduction:
  - Ensure that the heater is properly maintained to minimize emissions.
  - Use low-sulfur diesel fuel to reduce emissions.
  - Consider using emission-reducing devices, such as catalytic converters or particulate filters.
- Noise reduction:
  - Ensure that the heater is properly installed to minimize noise.
  - Use noise-reducing materials, such as insulation or soundproofing, to reduce noise.
  - Consider using quieter heating methods, such as electric heaters or heat pumps.

5.10 Safety precautions

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  - Dispose of the heater in accordance with local regulations and guidelines for electronic waste.
  - Do not dispose of the heater in regular trash or landfills.
  - Consider recycling the heater's components, such as metal and plastic parts.
- Recycling:
  - Contact a local recycling center or waste management facility for information on recycling the heater.
  - Ensure that the heater is properly prepared for recycling, such as removing batteries and fluids.
  - Support recycling efforts by choosing products with recyclable materials and packaging.

5.39 Environmental protection

- Energy saving:
  - Use the heater efficiently by setting the appropriate temperature and timer settings.
  - Avoid overheating the heater by ensuring proper airflow and maintenance.
  - Consider using alternative heating methods, such as solar or wood-burning heaters, to reduce energy consumption.
- Emission reduction:
  - Ensure that the heater is properly maintained to minimize emissions.
  - Use low-sulfur diesel fuel to reduce emissions.
  - Consider using emission-reducing devices, such as catalytic converters or particulate filters.
- Noise reduction:
  - Ensure that the heater is properly installed to minimize noise.
  - Use noise-reducing materials, such as insulation or soundproofing, to reduce noise.
  - Consider using quieter heating methods, such as electric heaters or heat pumps.

5.40 Safety precautions

- Ensure that the heater is installed in a well-ventilated area to avoid the accumulation of harmful gases.
- Do not operate the heater in flammable, explosive, or corrosive environments.
- Ensure that the fuel line and exhaust pipe are properly connected and sealed to prevent fuel leakage and exhaust gas leakage.
- Do not touch the heater's surface during operation to avoid burns.
- Ensure that the power supply voltage matches the heater's requirements to avoid damage to the heater or electrical hazards.
- Do not cover the heater's air inlet and outlet to ensure proper airflow.
- Regularly check the heater's fuel line, exhaust pipe, and air duct for blockages or damage.
- Do not refuel while the heater is operating; refuel only after the heater has cooled down.
- Keep children and pets away from the heater to avoid accidental contact.

5.41 Maintenance and upkeep

- Before performing maintenance, ensure that the heater is turned off and has cooled down.
- Use only original or recommended replacement parts for maintenance.
- Regularly clean the heater's air inlet and outlet to ensure proper airflow.
- Check the fuel line and exhaust pipe for aging or damage and replace them promptly.
- Do not disassemble the heater's internal components unless you are a professional technician.
- Ensure that the heater is properly grounded to avoid electrical hazards.
- Regularly check the heater's electrical connections to ensure they are secure and free of corrosion.
- Do not use damaged or faulty heaters; repair or replace them promptly.
- Keep maintenance records for future reference.
- Ensure that all safety devices are functioning properly after maintenance.

5.42 Storage and transportation

- Storage:
  - Store the heater in a dry, well-ventilated area away from flammable materials and heat sources.
  - Avoid storing the heater in environments with high humidity or corrosive gases.
  - Store the heater in its original packaging or a suitable container to prevent damage.
- Transportation:
  - Ensure that the heater is properly secured during transportation to prevent movement or damage.
  - Avoid transporting the heater in extreme temperatures or weather conditions.
  - Follow all relevant regulations and guidelines for transporting flammable materials.

5.43 Disposal and recycling

- Disposal:
  - Dispose of the heater in accordance with local regulations and guidelines for electronic waste.
  - Do not dispose of the heater in regular trash or landfills.
  - Consider recycling the heater's components, such as metal and plastic parts.
- Recycling:
  - Contact a local recycling center or waste management facility for information on recycling the heater.
  - Ensure that the heater is properly prepared for recycling, such as removing batteries and fluids.
  - Support recycling efforts by choosing products with recyclable materials and packaging.

5.44 Environmental protection

- Energy saving:
  - Use the heater efficiently by setting the appropriate temperature and timer settings.
  - Avoid overheating the heater by ensuring proper airflow and maintenance.
  - Consider using alternative heating methods, such as solar or wood-burning heaters, to reduce energy consumption.
- Emission reduction:
  - Ensure that the heater is properly maintained to minimize emissions.
  - Use low-sulfur diesel fuel to reduce emissions.
  - Consider using emission-reducing devices, such as catalytic converters or particulate filters.
- Noise reduction:
  - Ensure that the heater is properly installed to minimize noise.
  - Use noise-reducing materials, such as insulation or soundproofing, to reduce noise.
  - Consider using quieter heating methods, such as electric heaters or heat pumps.

5.45 Safety precautions

- Ensure that the heater is installed in a well-ventilated area to avoid the accumulation of harmful gases.
- Do not operate the heater in flammable, explosive, or corrosive environments.
- Ensure that the fuel line and exhaust pipe are properly connected and sealed to prevent fuel leakage and exhaust gas leakage.
- Do not touch the heater's surface during operation to avoid burns.
- Ensure that the power supply voltage matches the heater's requirements to avoid damage to the heater or electrical hazards.
- Do not cover the heater's air inlet and outlet to ensure proper airflow.
- Regularly check the heater's fuel line, exhaust pipe, and air duct for blockages or damage.
- Do not refuel while the heater is operating; refuel only after the heater has cooled down.
- Keep children and pets away from the heater to avoid accidental contact.

5.46 Maintenance and upkeep

- Before performing maintenance, ensure that the heater is turned off and has cooled down.
- Use only original or recommended replacement parts for maintenance.
- Regularly clean the heater's air inlet and outlet to ensure proper airflow.
- Check the fuel line and exhaust pipe for aging or damage and replace them promptly.
- Do not disassemble the heater's internal components unless you are a professional technician.
- Ensure that the heater is properly grounded to avoid electrical hazards.
- Regularly check the heater's electrical connections to ensure they are secure and free of corrosion.
- Do not use damaged or faulty heaters; repair or replace them promptly.
- Keep maintenance records for future reference.
- Ensure that all safety devices are functioning properly after maintenance.

5.47 Storage and transportation

- Storage:
  - Store the heater in a dry, well-ventilated area away from flammable materials and heat sources.
  - Avoid storing the heater in environments with high humidity or corrosive gases.
  - Store the heater in its original packaging or a suitable container to prevent damage.
- Transportation:
  - Ensure that the heater is properly secured during transportation to prevent movement or damage.
  - Avoid transporting the heater in extreme temperatures or weather conditions.
  - Follow all relevant regulations and guidelines for transporting flammable materials.

5.48 Disposal and recycling

- Disposal:
  - Dispose of the heater in accordance with local regulations and guidelines for electronic waste.
  - Do not dispose of the heater in regular trash or landfills.
  - Consider recycling the heater's components, such as metal and plastic parts.
- Recycling:
  - Contact a local recycling center or waste management facility for information on recycling the heater.
  - Ensure that the heater is properly prepared for recycling, such as removing batteries and fluids.
  - Support recycling efforts by choosing products with recyclable materials and packaging.

5.49 Environmental protection

- Energy saving:
  - Use the heater efficiently by setting the appropriate temperature and timer settings.
  - Avoid overheating the heater by ensuring proper airflow and maintenance.
  - Consider using alternative heating methods, such as solar or wood-burning heaters, to reduce energy consumption.
- Emission reduction:
  - Ensure that the heater is properly maintained to minimize emissions.
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  - Ensure that the heater is properly installed to minimize noise.
  - Use noise-reducing materials, such as insulation or soundproofing, to reduce noise.
  - Consider using quieter heating methods, such as electric heaters or heat pumps.

5.50 Safety precautions

- Ensure that the heater is installed in a well-ventilated area to avoid the accumulation of harmful gases.
- Do not operate the heater in flammable, explosive, or corrosive environments.
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