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Champion Power Equipment 201222

Champion Power Equipment 201222 22 kW aXis Home Standby Generator with 200A Whole House Switch

INSTRUCTION MANUAL

Product Overview

The Champion Power Equipment 201222 Home Standby Generator System provides automatic, continuous electrical power to your home during an outage. This system includes a 22 kW aXis Home Standby Generator and a 200A aXis Automatic Transfer Switch. Designed for reliability and efficiency, it ensures your home remains powered when the main utility supply is interrupted.

Key features include aXis technology for reduced installation costs and increased efficiency, Power Line Carrier technology for simplified wiring, and an advanced airflow design for extended engine life. The unit operates on either propane or natural gas, eliminating the need for manual refueling.

WHOLE HOUSE



22kW

200A SWITCH

Image: The Champion 22 kW aXis Home Standby Generator shown alongside its 200A Automatic Transfer Switch.

Setup and Installation

Installation of the Champion 201222 Home Standby Generator System requires professional expertise. It involves electrical and fuel line connections that must comply with local codes and regulations. The system is designed for permanent installation outside your home.

Key Installation Considerations:

- **Location:** Ensure the generator is placed on a stable, level surface with adequate clearance for ventilation and maintenance, away from windows and doors.
- **Fuel Connection:** The generator connects to your home's existing natural gas or liquid propane (LP) fuel supply.
- **Electrical Connection:** The 200A aXis Automatic Transfer Switch (ATS) integrates with your home's electrical system to manage power transfer. Power Line Carrier technology simplifies wiring between the generator and ATS.

- **Starting System:** The dual battery 24-volt starting system is designed to operate in extreme temperatures, from -22°F to 104°F.



Image: A Champion 22 kW aXis Home Standby Generator installed on a patio next to a brick house.

Video: Official overview of the Champion 22 kW Home Standby Generator with aXis Technology, demonstrating its features and benefits.

Operating Instructions

The Champion 201222 generator system is designed for fully automatic operation. When a power outage occurs, the system detects the loss of utility power, automatically starts the generator, and transfers the electrical load to the generator. When utility power is restored, the system automatically transfers the load back to the utility and shuts down the generator.

aXis Controller™:

The aXis Controller™ features a 4-inch color display for monitoring system status and allows for programming and customization. It utilizes Power Line Carrier technology for communication with the automatic transfer switch and other components, reducing the need for separate wiring.

Fuel Options:

- **Propane (LP):** Provides 22,000 watts of continuous power.
- **Natural Gas (NG):** Provides 19,800 watts of continuous power.

Load Management:

The 200A aXis ATS has the ability to manage high-demand appliances using aXis Load Management Modules (model 100868, sold separately). These modules monitor generator output and allow operation of high-demand appliances only

when sufficient power is available, preventing overload.

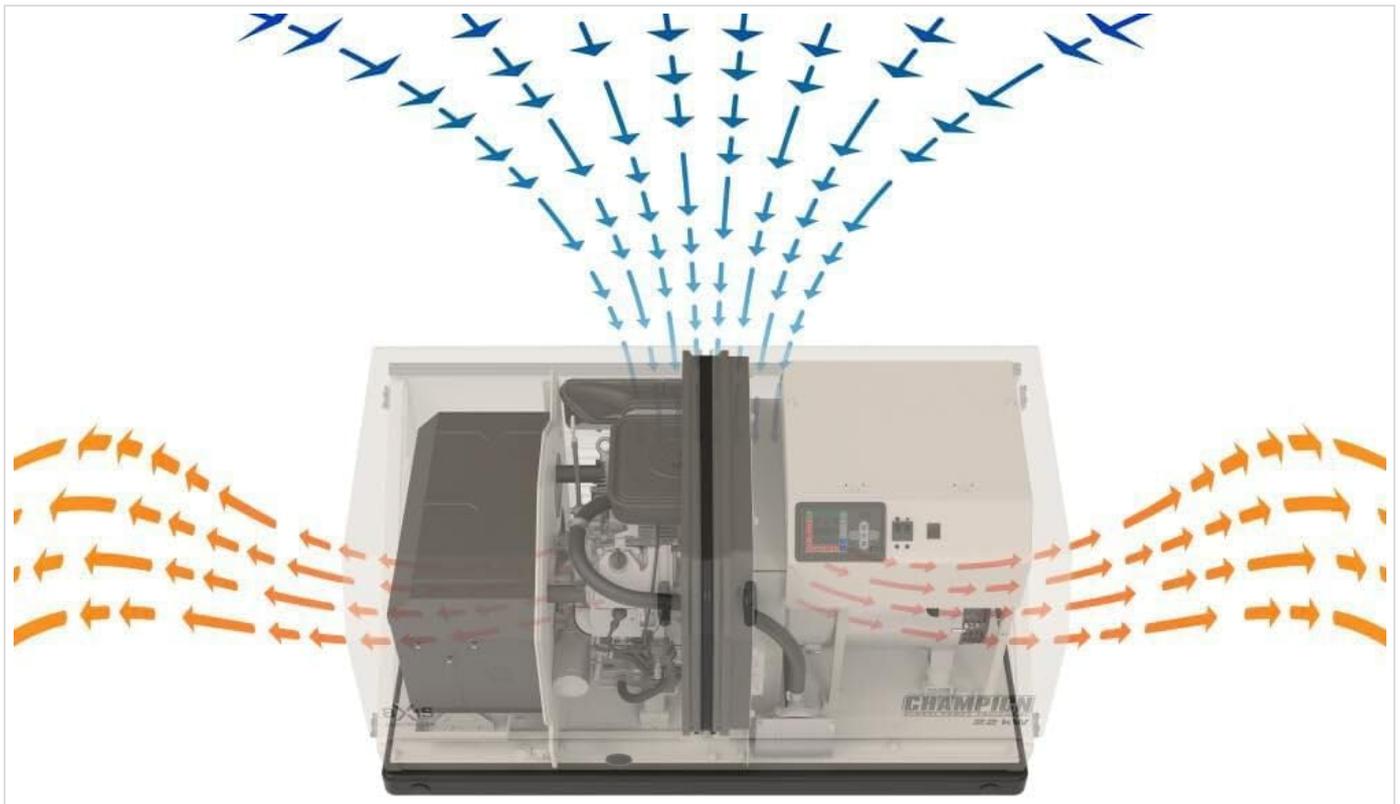


Image: A diagram illustrating the advanced airflow design of the generator, with cool air entering from the top and hot air exiting from the sides.

Maintenance

Regular maintenance is crucial for ensuring the longevity and optimal performance of your Champion Home Standby Generator. The innovative gullwing opening design provides easy access to the engine and control panel for routine service and inspections.

Maintenance Schedule:

- **Regular Checks:** Periodically inspect the generator for any visible damage, leaks, or obstructions.
- **Oil Level:** Check the engine oil level regularly and change it according to the recommended schedule in the full owner's manual.
- **Air Filter:** Inspect and clean or replace the air filter as needed.
- **Battery:** Ensure the 24-volt starting system batteries are clean and properly charged.
- **Professional Service:** It is recommended to have the generator serviced by a qualified technician annually.

★ FEATURES



WEATHERPROOF COATING

Aluminum-zinc coated steel enclosure for long lasting, weatherproof performance



ADVANCED AIRFLOW

Engineered airflow for lower temperature and longer life operation



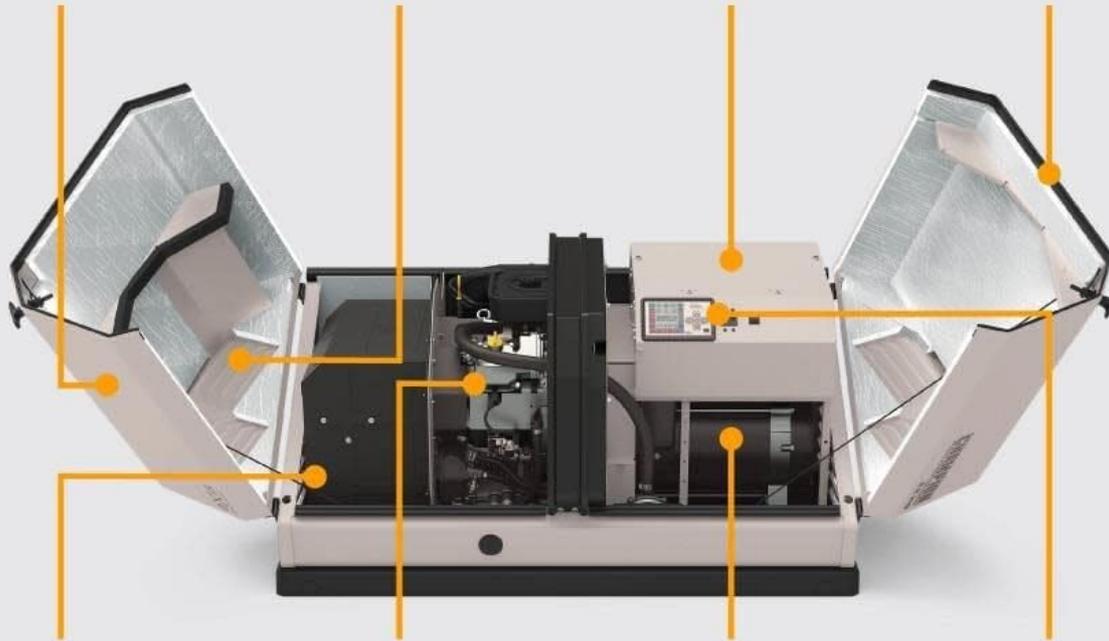
POWER LINE CARRIER

Lower installation cost using the home's existing wiring



EASY-ACCESS

Innovative gullwing enclosure for easy installation and service



SUB ZERO/HIGH HEAT

24V starting system designed to operate from -22° to 104° F



MORE FUEL EFFICIENT

20% lower at average load vs leading competitors



CLEAN ELECTRICITY

Skewed stack alternator provides safe power



FULLY AUTOMATIC 24/7

No refueling, manual operation, or extension cords needed

Image: A detailed diagram showcasing various features of the generator, including the gullwing access panels for maintenance.



Image: An interior view of the 200A Automatic Transfer Switch, showing circuit breakers and wiring.

Troubleshooting

If your generator system is not operating as expected, consider the following basic troubleshooting steps. For complex issues or if you are unsure, always contact a qualified service technician.

- **No Power Output:** Check the fuel supply (propane tank level or natural gas line). Ensure all circuit breakers on the generator and the ATS are in the 'ON' position.
- **Generator Fails to Start:** Verify the fuel supply. Check the aXis Controller display for any error codes or messages. Ensure the battery connections are secure and the battery is charged.
- **Unusual Noises or Vibrations:** Shut down the generator immediately and inspect for any loose parts or obstructions. Contact a service professional if the issue persists.
- **Error Codes:** Refer to the detailed owner's manual for a complete list of error codes and their corresponding troubleshooting steps displayed on the aXis Controller.

Specifications

Feature	Specification
Model Number	201222

Feature	Specification
Brand	Champion Power Equipment
Wattage (Propane)	22,000 Watts (Continuous)
Wattage (Natural Gas)	19,800 Watts (Continuous)
Starting Wattage	26,400 Watts
Fuel Type	Liquefied Petroleum Gas (Propane), Natural Gas
Power Source	Fuel Powered
Voltage	120/240V
Engine Type	999cc V-Twin, 4-Stroke
Item Weight	711 Pounds
Product Dimensions (L x W x H)	53" x 28.2" x 28.4"
Material	Aluminum-zinc coated steel enclosure
Special Feature	Cold Start Technology, Advanced Airflow Design
Noise Level	67 dBA
Included Components	HSB Enclosure Keys, Gas Inlet Hoses, Master Mixer Assembly, Battery Jumper Wire



DIMENSIONS

 **593.6** LBS.

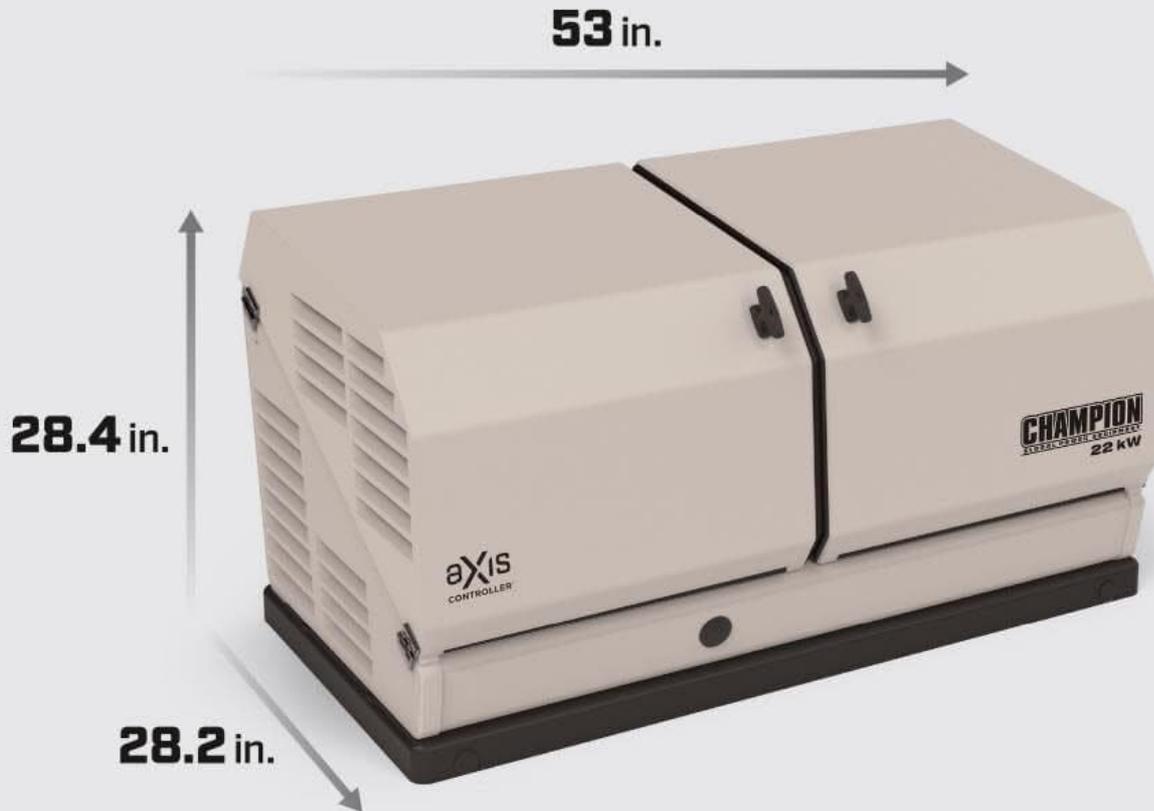


Image: A visual representation of the generator's dimensions: 53 inches long, 28.2 inches wide, and 28.4 inches high.

Warranty and Support

Champion Power Equipment stands behind its products with comprehensive warranty coverage and dedicated technical support.

- **Generator Warranty:** 10-year limited warranty.
- **Automatic Transfer Switch (ATS) Warranty:** 2-year limited warranty.
- **Technical Support:** FREE lifetime technical support from Champion's expert team.

For warranty claims, technical assistance, or to purchase replacement parts, please refer to the contact information provided in your full owner's manual or visit the official Champion Power Equipment website.

