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Generac 7043

Generac Guardian 22kW Home Standby Generator User Manual

Model: 7043

PRODUCT OVERVIEW

The Generac Guardian 22kW Home Standby Generator provides automatic backup power for your home during utility outages. Designed for reliability and ease of use, this system includes a 200 Amp Transfer Switch and features Wi-Fi connectivity for remote monitoring. It operates on either natural gas or LP gas, ensuring continuous power supply to your entire property.



Image: The Generac Guardian 22kW Home Standby Generator (right) shown with its accompanying 200 Amp Transfer Switch (left). The generator is a large, rectangular unit in a bisque color, featuring the "GENERAC" logo prominently.

Key features include a durable all-aluminum enclosure, a G-Force engine built for generator use, and True Power Technology for clean, stable power. The system is engineered for simplified installation and minimal maintenance, offering peace of mind by ensuring your home remains powered when the utility grid fails.

SETUP AND INSTALLATION

Installation of the Generac Guardian Home Standby Generator system should be performed by a certified and licensed electrician. This ensures proper connection to your existing LP or natural gas fuel supply and electrical system, adhering to all local codes and safety standards.

- **Site Preparation:** The generator requires minimal ground preparation, often utilizing a base pad for stable placement.
- **Fuel Connection:** Connects directly to your home's natural gas or liquid propane (LP) fuel supply for continuous operation without refueling.
- **Electrical Connection:** The included 200 Amp NEMA 3R smart switch facilitates seamless integration with your home's electrical panel, enabling automatic power transfer during outages.
- **Mobile Link Wi-Fi:** The system includes Mobile Link Wi-Fi connectivity for remote monitoring. Follow the instructions in the separate Mobile Link setup guide to connect your generator to your home network and monitor its status from a phone, tablet, or computer.

How much power do you need?

0-1500 sq. footage
Essential: 7.5kW
Whole House: 10kW

1501-2500 sq. footage
Essential: 14kW
Whole House: 18kW

2501+ sq. footage
Essential: 22kW
Whole House: 24-26kW

GENERATOR SIZE	7.5kW	10kW	14kW	18kW	22kW	24/26kW
AIR CONDITIONING	2-TON	3-TON	4-TON	5-TON	5-TON	5-TON
KITCHEN	•	•	•	•	•	•
FURNACE	•	•	•	•	•	•
SUMP PUMP	•	•	•	•	•	•
BATHROOMS	1	1	2	3	3	3+
BEDROOMS	1	2	4	5	5	5+
LIVING AREAS	•	•	•	•	•	•
WELL PUMP OR WATER HEATER		•	•	•	•	•
HOME OFFICE			•	•	•	•
GARAGE			•	•	•	•

*Intended for estimating purposes only. We recommend scheduling a free in-home assessment for an authorized Generac dealer to analyze your specific requirements and properly size a Home Standby Generator prior to making a purchase decision.

Image: A diagram illustrating the connection of the Generac generator to a house. The generator is shown outside the house, connected by a line to a transfer switch, which then connects to the home's electrical system. Text indicates it's "Powered by natural gas or liquid propane" and "Connected seamlessly to your home for automatic power."

OPERATING INSTRUCTIONS

The Generac Guardian generator is designed for fully automatic operation. Once installed and configured, it will automatically detect a power outage, start, and transfer power to your home. When utility power returns, it will

automatically shut down and return to standby mode.

- **Automatic Start:** The generator senses power loss and starts within seconds, typically with a 5 to 10-second delay to prevent unnecessary starts during momentary power fluctuations.
- **Automatic Power Transfer:** The 200 Amp transfer switch automatically disconnects your home from the utility grid and connects it to the generator's power.
- **Automatic Shutdown:** When utility power is restored and stable, the system automatically transfers your home back to utility power and shuts down the generator.
- **Control Panel:** The generator features an Evolution digital controller for monitoring status and managing settings. This panel allows you to view operational status, service schedules, and error codes.



Image: A top-down view of the Generac Guardian generator with its top cover open, revealing the internal G-Force engine and the Evolution control panel. The control panel has buttons for Auto, Manual, and Off modes, along with a digital display.

MAINTENANCE

Regular maintenance is crucial for ensuring the long-term reliability and performance of your Generac Guardian generator. It is recommended to perform yearly maintenance.

- **Annual Service:** This typically includes changing the engine oil, replacing filters, and a general inspection to ensure all components are clean and functioning correctly.
- **Professional Maintenance:** It is highly recommended to have a qualified Generac service technician perform annual maintenance. This ensures proper care and adherence to warranty requirements.
- **Maintenance Cost:** Expect an ongoing expense for annual maintenance, which typically costs around \$200 per year.

TROUBLESHOOTING

While Generac generators are designed for reliability, occasional issues may arise. The Evolution control panel provides diagnostic information to assist in troubleshooting.

- **Error Codes:** Refer to the digital display on the control panel for any displayed error codes. Consult your full

owner's manual for a comprehensive list of codes and their corresponding troubleshooting steps.

- **No Power:** If the generator starts but does not provide power, check the circuit breakers on the generator and your home's transfer switch.
- **Failure to Start:** Ensure the fuel supply is open and the battery is charged. Check the control panel for any "Service Schedule" messages or other alerts.
- **Power Surges:** The system is designed to manage power fluctuations. If utility power goes on and off rapidly, the generator's intelligent controls will determine the appropriate time to engage or disengage to protect your home's electrical system.

SPECIFICATIONS

Feature	Detail
Brand	Generac
Model Number	7043
Wattage (Running/Starting)	22000 Watts
Engine Power Maximum	22 Kilowatts
Fuel Type	Natural Gas or LP Gas
Voltage	240 Volts
Frequency	60 Hz
Engine Type	Generac G-Force 1000 Series (999 Cubic Centimeters)
Product Dimensions (L x W x H)	48"L x 25"W x 29"H
Color	Bisque
Special Features	Automatic Idle Control, Automatic Shut Down, Automatic Voltage Regulation, Digital Display, Fully Enclosed Design, Overload Protection, Short Circuit Protection
Included Components	Generator and 200 Amp Transfer Switch



Image: A graphic highlighting key features of the Generac 22kW Home Standby Generator, including automatic power restoration, coverage for home essentials (2500+ sq. ft.), and 24/7 support.

WARRANTY

The Generac Guardian 22kW Home Standby Generator and its accompanying 200 Amp Transfer Switch are backed by a **5-Year Limited Warranty**. This warranty provides assurance of lasting performance and protects your investment.

SUPPORT

Generac offers comprehensive customer support to assist with any questions or service needs related to your generator.

- **24/7/365 Customer Support:** Assistance is available around the clock, every day of the year.
- **Nationwide Dealer Network:** Access to a vast network of over 6,000 authorized dealers for professional service, maintenance, and parts.






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Related Documents - 7043



[Generac Home Standby Generators: Your Guide to Power Outage Protection](#)

Learn how Generac automatic home standby generators protect your home 24/7 from power outages caused by storms and grid failures. Explore features, benefits, fuel options, and installation.

 <p>GENERAC Installation Guidelines 60 Hz Air-Cooled Generators 16kW & 22kW</p> <p>SAVE THIS MANUAL FOR FUTURE REFERENCE</p>	<p>Generac 60 Hz Air-Cooled Generators Installation Guidelines (16kW & 22kW)</p> <p>Detailed installation guide for Generac 60 Hz air-cooled standby generators (16kW and 22kW models). Covers essential steps from unpacking and site selection to electrical connections and initial startup, ensuring safe and proper setup for reliable backup power.</p>
 <p>GENERAC</p> <p>Special Offer Inside Your Guide to Home Standby Generator Ownership</p>	<p>Generac Home Standby Generator Ownership Guide: Power Your Home</p> <p>Discover Generac home standby generators, your solution for reliable backup power. This guide covers benefits, models, installation, and how Generac protects your home and family during outages. Learn about special offers and request a free quote.</p>
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