



Renaud Electric Generac Automatic Standby Generator Systems Instructions

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GENERAC POWER PRO ELITE Generac Automatic Standby Generator Systems Instructions

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Generac Automatic Standby Generator Systems

Scope of Work: Installation of Automatic Standby Generator Systems.

Renaud Electric Power Systems is a Generac Elite Plus Power Pro Certified Dealer. This means peace of mind for our Customers. Listed below is what is included in a Standby Generator System Installation.

- Permits- A permit is required for all Generator installations.
- Generator professionally sized to meet the Customer's electrical load.
- All necessary load control management was installed for high-wattage items where required.
- Professional transport, rigging, and handling of your Generator.
- Electrical installation of feeder and Auto Transfer switch (es) per Local and National codes.

- Gas piping to local codes runs to the main gas service in most cases.
- Coordination with your Gas Company or Fuel Supplier.
- Electrical Utility disconnect/reconnect coordination.
- Battery-sized and designed for your Generator.
- Generator site prep with preformed concrete pad installed and bolted to Generator.
- On-site Manufacturer recommended commissioning, testing, and startup of Generator. All necessary Fuel and Voltage/Frequency adjustments are made to ensure proper operation and protection of sensitive home electronics.
- Complete installation checklist and O&M manual binder for Customer's records and future reference.
- 24/7 Emergency Service with repairs by Factory Trained Generator Technicians and priority to our Customers.
- All required Load Management for high wattage items (where applicable).
- Warranty and commissioning paperwork are filed with the Manufacturer to ensure that customer receives a full warranty on the equipment.

Since 1955, Renaud Electric has been Serving SW Washington and NW Oregon's Electrical and Heating and Cooling needs.

- Renaud Electric Power Systems is a one-source Generac factory direct dealer. As part of the strongest dealer network in the Country, we do not use 3rd party distributors to handle Service, Maintenance, or Warranty issues.
- As a Generac Power Pro dealer, we have demonstrated the highest rating in customer satisfaction. And because of that, we can offer factory direct warranties that others cannot.
- We have more factory-trained technicians than anyone in the area and offer 24/7 emergency service for our customers.
- In addition, we have a full Heating and Cooling Service Department to maintain and service our Customers' Heating and Cooling Equipment. This allows us to offer a one-stop and more cost-effective solution to keep our Customer's equipment in top condition.
- Each Generator system is designed by our Factory trained Master Electrician to be properly sized for the electrical load.
- Every installation is professionally commissioned by a Factory-trained Technician for optimum operation.
- We supply an O&M manual with information on the system, permit records, and complete consultation with the Customer or their Maintenance staff included on every installation.

Generator Systems Description:

Essential Circuits: 7.5-10kw Generac with 8 to 16 circuit auto transfer switch. This system will operate:

- Well, and septic pumps 1.5 HP max.
- Lighting, receptacles, and smaller appliance loads. Price range: \$7,500 – \$11,500

Essential-Optional Circuit/Small Home: 14-18kw Generac with 16 circuits to 200 amp auto-transfer switch. This system will operate:

- As a managed whole house system for smaller to medium-sized homes. With 200 amp main service.

- Can also be used as a partial house system to control selected loads on larger or higher electrical usage homes. Price range: \$10,500 – \$15,500

Medium to Large Home: 18-24kw Generac with 200 amp auto transfer switch. This system will operate:

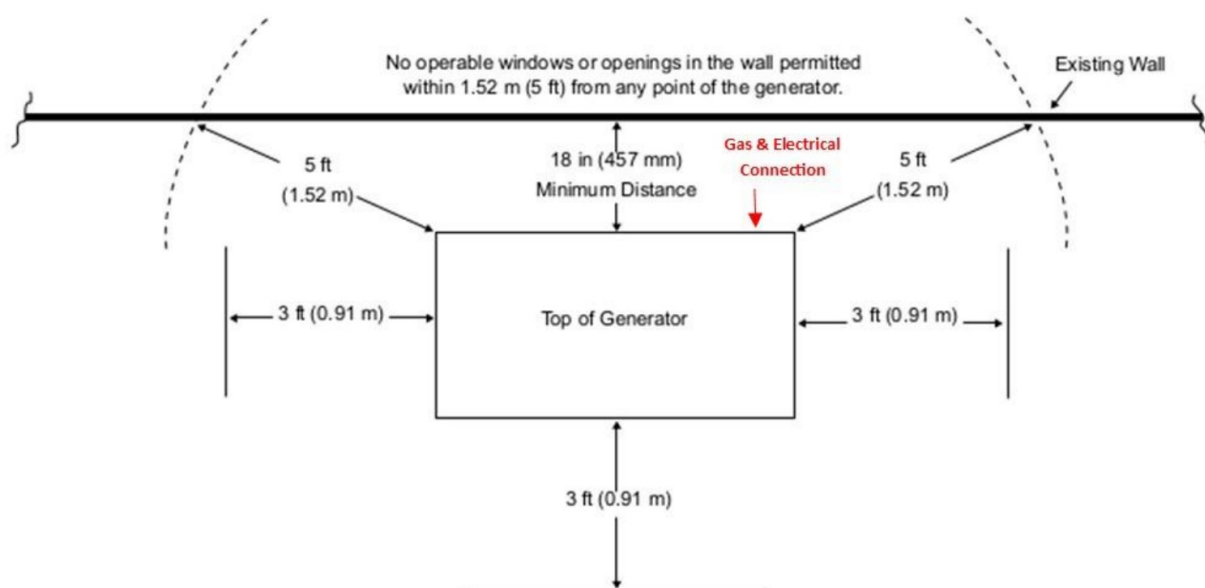
- As a managed whole house for medium to large homes and homes with 200 amp main service or 400 amp service with additional transfer switches. Price range: \$13,000 – \$21,500

Extra Large Home/Commercial: Usually a liquid-cooled or diesel generator. Price range: \$24,00-\$45,000

*All prices are rough estimates not including local sales tax based on our scope of work document. Revised 6/1/2021.

Site Selection and Preparation

Site Selection



Mow sufficient room on all sides of the generator for maintenance and servicing. Clearance from the ends and front of the generator must be 3 ft m (0.91). This includes shrubs, bushes and trees. Clearance from the back of the generator must be a minimum of 18 n (457 mm). Clearance at the top should be a minimum of 5 ft (1.52 m) from any structure, overhang or projections from the wall. DO NOT install under wooden decks or structures unless there are at least 5 ft (1.52 m) of clearance above the generator.

NOTE: Removable fence panels for servicing cannot be placed less than 457 in (18 in) in front of the generator. These guidelines are based upon fire testing of the generator enclosure and the manufacturer's requirement to be at flow for proper operation. Local codes may be different and more restrictive than what is described here.

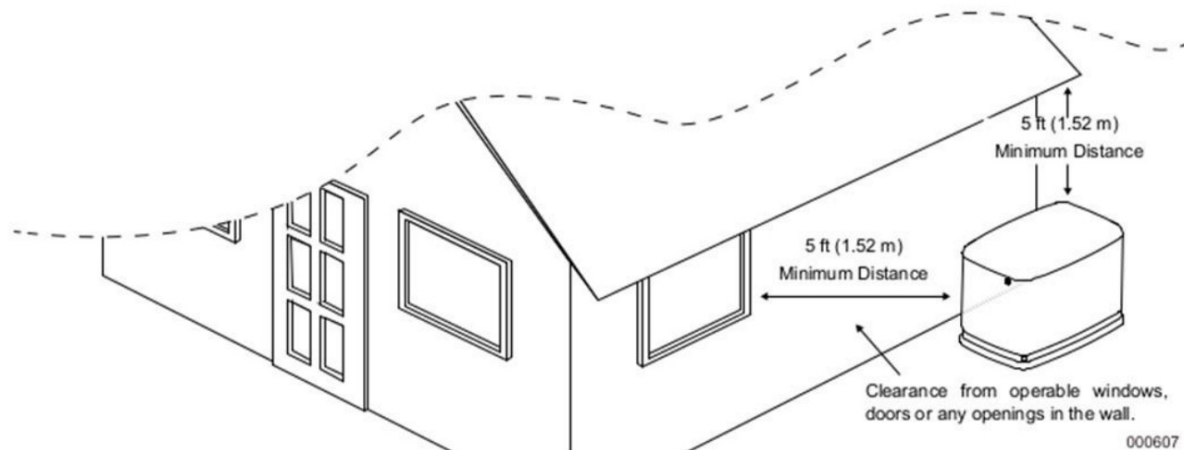


Figure 3-1. Installation Guidelines

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Install the generator set, in its protective enclosure, outdoors, where adequate cooling and ventilating air is always available (Figure 3-1). Consider these factors:

- The installation of the generator must comply strictly with NFPA 37, NFPA 54, NFPA 58, and NFPA 70 standards.
- Install the unit where air inlet and outlet openings will not become obstructed by leaves, grass, snow, etc. If prevailing winds will cause blowing or drifting, consider using a windbreak to protect the unit.
- Install the generator on high ground where water levels will not rise and endanger it. It should not operate in or be subjected to standing water.
- Allow sufficient room on all sides of the generator for maintenance and servicing. This unit must be installed in accordance with any codes that are in place in your country or local jurisdiction for minimum distances from other structures.
- Clearance from the ends and front of the generator must be 3 ft (0.91 m). This includes shrubs, bushes and trees. Clearance from the back of the generator must be a minimum of 18 in (457 mm).



Installation Guidelines For 60 Hz Air-cooled Generators

Documents / Resources

 Renaud Electric POWER SYSTEMS

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