

QuietSource Home Standby - 11kW

Air-Cooled Gas Engine Generator Set

Continuous Standby Power Rating

Model # 04916 - 11kW LPG 60Hz
10kW NG 60Hz

INCLUDES:

- Composite Mounting Pad
- Natural Gas or LP Gas Operation
- GFCI external duplex outlet
- 12Vdc internal outlet
- Flexible Fuel Line
- UL 2200 Listed

**ALL ALUMINUM ENCLOSURE
RESISTS CORROSION AND REDUCES SOUND TO
LEVELS EQUAL TO NORMAL CONVERSATION.
50% QUIETER THAN COMPETITIVE MODELS
BASED ON AVERAGE LOADS**



FEATURES

- INNOVATIVE DESIGN & PROTOTYPE TESTING** are key components of GENERAC'S success in "IMPROVING POWER BY DESIGN." But it doesn't stop there. Total commitment to component testing, reliability testing, environmental testing, destruction and life testing, plus testing to applicable CSA, NEMA, EGSA, and other standards, allows you to choose GENERAC POWER SYSTEMS with the confidence that these systems will provide superior performance.
- TEST CRITERIA:**
 - ✓ **PROTOTYPE TESTED**
 - ✓ **SYSTEM TORSIONAL TESTED**
 - ✓ **NEMA MG1-22 EVALUATION**
 - ✓ **MOTOR STARTING ABILITY**
- SOLID-STATE, FREQUENCY COMPENSATED VOLTAGE REGULATION.** This state-of-the-art power maximizing regulation system is standard on all Generac models. It provides optimized FAST RESPONSE to changing load conditions and MAXIMUM MOTOR STARTING CAPABILITY by electronically torque-matching the surge loads to the engine.
- SINGLE SOURCE SERVICE RESPONSE** from Generac's dealer network provides parts and service know-how for the entire unit, from the engine to the smallest electronic component. You are never on your own when you own a GENERAC POWER SYSTEM.
- GENERAC TRANSFER SWITCHES.** Long life and reliability are synonymous with GENERAC POWER SYSTEMS. One reason for this confidence is that the GENERAC product line includes its own transfer systems and controls for total system compatibility.

QUIETSOURCE™
by Generac Power Systems, Inc.

HOME STANDBY SPECIFICATIONS

QuietSource Home Standby - 11kW

ENGINE	<ul style="list-style-type: none"> •Generac (OHVI) Design •"Spiny-lok" cast iron cylinder walls •Electronic ignition, spark advance and compression release •Full pressure lubrication system •Low oil pressure shutdown system •High temperature shutdown 	<p>Maximizes engine "breathing" for increased fuel efficiency. Cylinder walls run cooler, reducing oil consumption. Because heat is the primary cause of engine wear, the OHVI has a significantly longer life than competitive engines.</p> <p>Rigid construction and added durability provide long engine life.</p> <p>These features combine to assure smooth, quick starting every time.</p> <p>Superior lubrication to all vital bearings means better performance, less maintenance and significantly longer engine life.</p> <p>Superior shutdown protection prevents catastrophic engine damage due to low oil.</p> <p>Prevents damage due to overheating.</p>
GENERATOR	<ul style="list-style-type: none"> •Revolving field •Skewed stator •Displaced phase excitation •Automatic voltage regulation •UL 2200 Listed 	<p>Allows for smaller, light weight unit that operates 25% more efficiently than a revolving armature generator.</p> <p>Produces a smooth output waveform for compatibility with electronic equipment.</p> <p>Maximizes motor starting capability. Provides more surge capability than brushless generator designs.</p> <p>Regulates the output voltage to $\pm 2\%$ prevents damaging voltage spikes.</p> <p>For your safety</p>
TRANSFER SWITCH	<p>Not included with this model</p>	
MICROPROCESSOR CONTROL	<ul style="list-style-type: none"> •Manual/Auto/Off switch •Utility voltage sensing •Utility interrupt delay •Engine warm-up •Engine cool-down •Seven day exerciser •Timed Trickle Battery charger •Main Line Circuit Breaker •Six LED status indicator lights 	<p>Selects the operating mode.</p> <p>Constantly monitors utility voltage, setpoints 60% dropout, 80% pick-up, of standard voltage.</p> <p>Prevents nuisance start-ups of the engine, set point approximately 10 seconds.</p> <p>Ensures engine is ready to assume the load, setpoint approximately 10 seconds.</p> <p>Allows engine to cool prior to shutdown, setpoint approximately 1 minute.</p> <p>Operates engine to prevent oil seal drying and damage between power outages.</p> <p>Maintains battery amperage to insure starting.</p> <p>Protects generator from overload.</p> <p>Allows monitoring of generator condition in the event of generator shutdown or system readiness.</p>
UNIT	<ul style="list-style-type: none"> •Aluminum weather protective enclosure •Enclosed critical grade muffler •Small, compact, attractive •1' Flexible Fuel Line •Composite Mounting Pad •UL Listed 	<p>Ensures protection against mother nature. Fights corrosion even in the most severe environments. Electrostatically applied epoxy paint for added durability. Hinged key locking roof panel for security. Gas support lifts on roof panel for convenience. Engineered air-channeling design reduces sound output to level equal to that of normal conversation.</p> <p>Quiet, critical grade muffler is mounted inside the unit to prevent injuries.</p> <p>Makes for an easy, eye appealing installation.</p> <p>For connection between rigid pipe and generator fuel inlet. Absorbs vibration during operation.</p> <p>Eliminates the need to pour a concrete base.</p> <p>For your safety and assurance of full rated power output.</p>

Home Standby - 11kW

GENERATOR		Model 04916 (11kW)
Rated Maximum Continuous Power Capacity (LPG).....		11,000 Watts*
Rated Maximum Continuous Power Capacity (NG).....		8,500 Watts*
Rated Voltage.....		120/240
Rated Maximum Continuous Load Current		
120 Volts		70.8
240 Volts		35.4
Main Line Circuit Breaker		50 Amp
Phase		1
Number of Rotor Poles		2
Rated AC Frequency		60Hz
Power Factor		1
Battery Requirement (not included)		Group 26/26R 12 Volts and 550 Cold-cranking Amperes Minimum
Shipping Weight (Includes Transfer Switch)		Approx. 495 Pounds
Dimensions (L" x W" x H").....		48 x 39 x 31
ENGINE		Model 04916 (11kW)
Type of Engine.....		GENERAC OHVI V-TWIN
Number of Cylinders.....		2
Rated Horsepower.....		30 @3,600 rpm
Displacement.....		992cc
Cylinder Block.....		Aluminum w/Cast Iron Sleeve
Valve Arrangement.....		Overhead Valve
Ignition System.....		Solid-state w/Magneto
Compression Ratio.....		9.5:1
Starter.....		12 Vdc
Oil Capacity Including Filter.....		Approx. 1.7 Qts.
Engine RPM / Alternator RPM.....		2,700 / 3600
Fuel Consumption		
Natural Gas.....	cu.ft./hr.	
.....	1/2 Load.....	115
.....	Full Load.....	202
Liquid Propane Gas.....	ft ³ /hr(gal/hr)	
.....	1/2 Load	55.6 (1.52)
.....	Full Load	86.4 (2.37)
<div style="border: 1px solid black; padding: 5px;"> <p>NOTE: The fuel system operates ONLY on gaseous fuels.</p> <p>Required fuel pressure:</p> <p>Natural gas: 5 to 7 " of water column</p> <p>Liquid propane gas: 11 to 14" of water column</p> </div>		
CONTROLS		Model 04916 (11kW)
Model Switch		
-Auto		Automatic Start on Utility failure/7 day exerciser
-Off		Stops unit. Power is removed Control and charger still operate
-Manual/Test (start)		Start with starter control, unit stays on. If utility fails, transfer to load takes place.
Engine Start Sequence		Cyclic cranking: 7 sec. on, 7 rest (90 sec. maximum duration)
Engine Warm-up		10 seconds
Engine Cool-Down		1 minute
Starter Lock-out		Starter cannot re-engage until 5 sec. after engine has stopped.
2.5 Amp Timed Trickle Battery Charger		Standard
Automatic Voltage Regulator w/Overvoltage Protection		Standard
Automatic Low Oil Pressure Shutdown		Standard
Overspeed Shutdown		Standard, 72Hz
High Temperature Shutdown		Standard
Overcrank Protection		Standard
Safety Fuse		Standard

Rating definitions - Standby: Applicable for supplying emergency power for the duration of the utility power outage. No overload capability is available for this rating. (All ratings in accordance with BS5514, ISO3046 and DIN6271). Prime (Unlimited Running Time): Unit not recommended for prime power applications. Applicable for supplying electric power in lieu of commercially purchased power. Prime power is the maximum power available at variable load. A 10% overload capacity is available for 1 hour in 12 hours. (All ratings in accordance with BS5514, ISO3046, ISO8528 and DIN6271).
 * Maximum wattage and current are subject to and limited by such factors as fuel Btu content, ambient temperature, altitude, engine power and condition, etc. Maximum power decreases about 3.5 percent for each 1,000 feet above sea level; and also will decrease about 1 percent for each 6° C (10° F) above 16° C (60°F).

