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.

- **TRUE POWER® ELECTRICAL TECHNOLOGY:** Superior harmonics and sine wave form produce less than 5% Total Harmonic Distortion for utility quality power. This allows confident operation of sensitive electronic equipment and micro-chip based appliances, such as variable speed HVAC.

- **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. An unequalled ±1% voltage regulation.

- **SINGLE SOURCE SERVICE RESPONSE** from Generac’s extensive dealer network provides parts and service know-how for the entire unit, from the engine to the smallest electronic component.

- **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.

**INCLUDES:**

- True Power® Electrical Technology
- Two Line LCD Tri-lingual Digital Nexus™ Controller
- Electronic Governor
- External Main Circuit Breaker, System Status & Maintenance Interval LEDs Indicators and GFCI Duplex Outlet
- Sound Attenuated Enclosure
- Flexible Fuel Line Connector
- Composite Mounting Pad
- Natural Gas or LP Gas Operation
- 3 Year Limited Warranty
- UL 2200 Listed

**GENERAC® GUARDIAN® SERIES STANDBY GENERATORS**

**17 kW**

Air-Cooled Gas Engine Generator Sets

Standby Power Rating

Model 005885-1 (Steel - Bisque) - 17 kW 60Hz
Model 005886-1 (Aluminum - Gray) - 17 kW 60Hz

INCLUDES:

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### FEATURES

**Generac® Guardian® Series Standby Generator - 17 kW**

#### ENGINE
- **Generac (OHVI) Design**
  - Maximizes engine “breathing” for increased fuel efficiency. Plateau honed cylinder walls and plasma moly rings help engine run cooler, reducing oil consumption. Because heat is the primary cause of engine wear, the OHVI has a significantly longer life than competitive engines.
- **“Spiny-loc” cast iron cylinder walls**
  - Rigid construction and added durability provide long engine life.
- **Electronic ignition/spark advance**
  - These features combine to assure smooth, quick starting every time.
- **Full pressure lubrication system**
  - Superior lubrication to all vital bearings means better performance, less maintenance and significantly longer engine life. Now featuring a 2 year/200 hour oil change interval.
- **Low oil pressure shutdown system**
  - Superior shutdown protection prevents catastrophic engine damage due to low oil.
- **High temperature shutdown**
  - Prevents damage due to overheating.

#### GENERATOR
- **Revolving field**
  - Allows for smaller, lightweight unit that operates 25% more efficiently than a revolving armature generator.
- **Skewed stator**
  - Produces a smooth output waveform for compatibility with electronic equipment.
- **Displaced phase excitation**
  - Maximizes motor starting capability.
- **Automatic voltage regulation**
  - Regulates the output voltage to ±1% prevents damaging voltage spikes.
- **UL 2200 Listed**
  - For your safety

#### TRANSFER SWITCH
- **Sold separately**

#### NEXUS™ CONTROLS
- **Manual/Auto/Off switch**
  - Selects the operating mode.
- **Utility voltage sensing**
  - Constantly monitors utility voltage, setpoints 60% dropout, 80% pick-up, of standard voltage.
- **Generator voltage sensing**
  - Constantly monitors generator voltage to ensure the cleanest power delivered to the home.
- **Utility interrupt delay**
  - Prevents nuisance start-ups of the engine, adjustable 10-30 seconds.
- **Engine warm-up**
  - Ensures engine is ready to assume the load, setpoint approximately 5 seconds.
- **Engine cool-down**
  - Allows engine to cool prior to shutdown, setpoint approximately 1 minute.
- **Programmable seven day exerciser**
  - Operates engine to prevent oil seal drying and damage between power outages by running the generator for 12 minutes every week.
- **Smart battery charger**
  - Delivers charge to the battery only when needed at varying rates depending on outdoor air temperature.
- **Main Line Circuit Breaker**
  - Protects generator from overload.
- **Electronic governor**
  - Maintains constant 60 Hz frequency.

#### UNIT
- **Weather protective enclosure**
  - Ensures protection against mother nature. Hinged key locking roof panel for security. Lift-out front for easy access to all routine maintenance items. Electrostatically applied textured epoxy paint for added durability. Model 005886-0 has aluminum enclosure.
- **Enclosed critical grade muffler**
  - Quiet, critical grade muffler is mounted inside the unit to prevent injuries.
- **Small, compact, attractive**
  - Makes for an easy, eye appealing installation.
- **SAE**
  - Sound attenuated enclosure ensures quiet operation

#### INSTALLATION SYSTEM
- **1' Flexible Fuel Line Connector**
  - Easy Installation
- **Composite Mounting Pad**
**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>GENERATOR</th>
<th>Model 005885-1 (17 kW)</th>
<th>Model 005886-1 (17 kW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rate Maximum Continuous Power Capacity (LP)</td>
<td>17,000 Watts*</td>
<td></td>
</tr>
<tr>
<td>Rate Maximum Continuous Power Capacity (NG)</td>
<td>16,000 Watts*</td>
<td></td>
</tr>
<tr>
<td>Rate Voltage</td>
<td>240</td>
<td></td>
</tr>
<tr>
<td>Rate Maximum Continuous Load Current – 240 Volts</td>
<td>70.8 LP/66.6 NG</td>
<td></td>
</tr>
<tr>
<td>Total Harmonic Distortion</td>
<td>Less than 5%</td>
<td></td>
</tr>
<tr>
<td>Main Line Circuit Breaker</td>
<td>65 Amp</td>
<td></td>
</tr>
<tr>
<td>Phase</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Number of Rotor Poles</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Rated AC Frequency</td>
<td>60Hz</td>
<td></td>
</tr>
<tr>
<td>Power Factor</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Battery Requirement (not included)</td>
<td>Group 26R 12 Volts and 525 Cold-cranking Amperes Minimum</td>
<td></td>
</tr>
<tr>
<td>Unit Weight (Pounds/Kilos)</td>
<td>455/210.9</td>
<td>421/191</td>
</tr>
<tr>
<td>Dimensions (L x W x H) Inches/mm</td>
<td>48 x 25 x 29 (1218 x 638 x 732)</td>
<td></td>
</tr>
<tr>
<td>Sound output in dBA at 23 ft. with generator operating at normal load</td>
<td>66</td>
<td></td>
</tr>
<tr>
<td>Sound output in dBA at 23 ft. with generator in Quiet-Test™ low speed exercise mode</td>
<td>60</td>
<td></td>
</tr>
</tbody>
</table>

**ENGINE**

<table>
<thead>
<tr>
<th>Model 005885-1 (17 kW)</th>
<th>Model 005886-1 (17 kW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of Engine</td>
<td>GENERAC OHVI V-TWIN</td>
</tr>
<tr>
<td>Number of Cylinders</td>
<td>2</td>
</tr>
<tr>
<td>Cylinder Block</td>
<td>Aluminum w/Cast Iron Sleeve</td>
</tr>
<tr>
<td>Valve Arrangement</td>
<td>Overhead Valve</td>
</tr>
<tr>
<td>Ignition System</td>
<td>Solid-state w/Magneto</td>
</tr>
<tr>
<td>Governor System</td>
<td>Electronic</td>
</tr>
<tr>
<td>Compression Ratio</td>
<td>9.5:1</td>
</tr>
<tr>
<td>Starter</td>
<td>12 Vdc</td>
</tr>
<tr>
<td>Oil Capacity Including Filter</td>
<td>Approx. 1.3 Gts./1.8L</td>
</tr>
<tr>
<td>Operating RPM</td>
<td>3,600</td>
</tr>
<tr>
<td>Fuel Consumption</td>
<td></td>
</tr>
<tr>
<td>Natural Gas</td>
<td>cu.ft./hr.</td>
</tr>
<tr>
<td>1/2 Load</td>
<td>183</td>
</tr>
<tr>
<td>Full Load</td>
<td>261</td>
</tr>
<tr>
<td>Liquid Propane</td>
<td>ft³/hr (gal/hr) [Liter/hr]</td>
</tr>
<tr>
<td>1/2 Load</td>
<td>59 (1.61) [6.09]</td>
</tr>
<tr>
<td>Full Load</td>
<td>94 (2.57) [9.73]</td>
</tr>
</tbody>
</table>

Required fuel pressure to generator fuel inlet at all load ranges - 5 to 7 inches of water column for natural gas, 10 to 12 inches of water column for LP gas

For Btu content, multiply ft³/hr x 2520 (LP) or ft³/hr x 1000 (NG)

**CONTROLS**

2-Line Plain Text LCD Display

Simple user interface for ease of operation

Mode 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.

Programmable start delay between 10-30 seconds

Standard

Engine Start Sequence

Cyclic cranking: 16 sec. on, 7 rest (90 sec. maximum duration)

Engine Warm-up

5 seconds

Engine Cool-Down

1 minute

Starter Lock-out

Starter cannot re-engage until 5 sec. after engine has stopped.

Smart Battery Charger

Standard

Automatic Voltage Regulation with Over and Under Voltage Protection

Standard

Automatic Low Oil Pressure Shutdown

Standard

Overspeed Shutdown

Standard, 72Hz

High Temperature Shutdown

Standard

Overcrank Protection

Standard

Safety Fused

Standard

Failure to Transfer Protection

Standard

Low Battery Protection

Standard

50 Event Run Log

Standard

Future Set Capable Exerciser

Standard

Incorrect Wiring Protection

Standard

Internal Fault Protection

Standard

Common External Fault Capability

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). * 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.
AVAILABLE ACCESSORIES

<table>
<thead>
<tr>
<th>Model #</th>
<th>Product</th>
<th>Discription</th>
</tr>
</thead>
<tbody>
<tr>
<td>5819</td>
<td>26R Wet Cell Battery</td>
<td>Every standby generator requires a battery to start the system. Generac offers the recommended 26R wet cell battery for use with all air-cooled standby product.</td>
</tr>
<tr>
<td>5947</td>
<td>Cold Weather Kit</td>
<td>If the temperature regularly falls below 32° F, install a cold weather kit to maintain optimal battery temperature. Kit consists of battery warmer with thermostat built into the wrap.</td>
</tr>
<tr>
<td>5621</td>
<td>Auxiliary Transfer Switch Contact Kit</td>
<td>The auxiliary transfer switch contact kit allows the transfer switch to lock out a single large electrical load you may not need.</td>
</tr>
<tr>
<td>5839 (Bisque) 5666 (Medium Grey)</td>
<td>Fascia Base Wrap Kit</td>
<td>The fascia base wrap snaps together around the bottom the new air cooled generators. This offers a sleek, contoured appearance as well as offering protection from rodents and insects by covering the lifting holes located in the base.</td>
</tr>
<tr>
<td>5703</td>
<td>Paint Kit</td>
<td>Bisque Kit</td>
</tr>
<tr>
<td>5704</td>
<td>Paint Kit</td>
<td>Medium Grey Kit</td>
</tr>
<tr>
<td>5664</td>
<td>Scheduled Maintenance Kit</td>
<td>Generac's scheduled maintenance kits provide all the hardware necessary to perform complete routine maintenance on a Generac automatic standby generator.</td>
</tr>
<tr>
<td>5928</td>
<td>Nexus Wireless Remote</td>
<td>Completely wireless and battery powered, Generac's Nexus wireless remote monitor provides you with instant status information without ever leaving the house.</td>
</tr>
<tr>
<td>5951</td>
<td>Advanced Nexus Wireless Remote</td>
<td>Remotely control generator functions with the advanced model's LCD display. In addition to remote testing of the generator, set the exercise cycle and maintenance interval reminders</td>
</tr>
</tbody>
</table>

Design and specifications subject to change without notice. Dimensions shown are approximate. Contact your Generac dealer for certified drawings. DO NOT USE THESE DIMENSIONS FOR INSTALLATION PURPOSES.