

### GUARDIAN<sup>®</sup> SERIES Residential Standby Generators Air-Cooled Gas Engine

G007209-10, G007210-10 (Aluminum - Bisque) - 24 kW 60 Hz

Standby Power Rating

20/22/24 kW

#### 1 of 6

#### INCLUDES:

● True Power™ Electrical Technology

20/22/24 kW

- Two-line multilingual digital LCD Evolution<sup>™</sup> controller (English/Spanish/French/Portuguese)
- 200 amp service rated transfer switch available
- Electronic governor
- Standard Wi-Fi<sup>®</sup> connectivity
- System status & maintenance interval LED indicators
- Sound attenuated enclosure
- Flexible fuel line connector
- Natural gas or LP gas operation
- 5 Year limited warranty
- Listed and labeled for installation as close as 18 in (457 mm) to a structure.\*

\*Must be located away from doors, windows, and fresh air intakes and in accordance with local codes.



G007038-1, G007039-1, G007038-3, G007039-3 (Aluminum - Bisque) - 20 kW 60 Hz G007042-10, G007042-11, G007043-10, G007043-11 (Aluminum - Bisque) - 22 kW 60 Hz

Product shown with optional fascia kit

US

Note: CETL or CUL certification only applies to unbundled units and units packaged with limited circuit switches. Units packaged with the Smart Switch are ETL or UL certified in the USA only.

### **FEATURES**

- INNOVATIVE ENGINE DESIGN & RIGOROUS TESTING are at the heart of Generac's success in providing the most reliable generators possible. Generac's G-Force engine lineup offers added peace of mind and reliability for when it's needed the most. The G-Force series engines are purpose built and designed to handle the rigors of extended run times in high temperatures and extreme operating conditions.
- O 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 systems.
- O **TEST CRITERIA**:
  - PROTOTYPE TESTED
    - SYSTEM TORSIONAL TESTED
- NEMA MG1-22 EVALUATION Motor Starting Ability
- O MOBILE LINK<sup>®</sup> CONNECTIVITY: FREE with select Guardian Series Home standby generators, Mobile Link Wi-Fi allows users to monitor generator status from any-where in the world using a smartphone, tablet, or PC. Easily access information such as the current operating status and maintenance alerts. Users can connect an account to an authorized service dealer for fast, friendly, and proactive service. With Mobile Link, users are taken care of before the next power outage.

- 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 is offered with its own transfer systems and controls for total system compatibility.



### 20/22/24 kW

#### Engine

- ۲ Generac G-Force design
- "Spiny-lok" cast iron cylinder walls
- Electronic ignition/spark advance
- Full pressure lubrication system
- Low oil pressure shutdown system ۲
- EPA Certified for non-emergency applications
- High temperature shutdown •

#### Generator

- Revolving field
- Skewed stator ۲
- Displaced phase excitation
- Automatic voltage regulation •
- UL 2200 listed .

#### **Transfer Switch (if applicable)**

- Fully automatic
- NEMA 3R
- Integrated load management technology
- . Remote mounting

#### **Evolution™ Controls**

- ۲ AUTO/MANUAL/OFF illuminated buttons
- Two-line multilingual LCD •
- Sealed, raised buttons
- Utility voltage sensing •
- Generator voltage sensing
- Utility interrupt delay .
- Engine warm-up
- Engine cool-down
- Programmable exercise
- Smart battery charger
- ۲ Main line circuit breaker
- Electronic governor

#### Unit

SAE weather protective enclosure

Enclosed critical grade muffler

Small, compact, attractive

Sound attenuated enclosures ensure quiet operation and protection against mother nature, withstanding winds up to 150 mph (241 km/h). 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.

Quiet, critical grade muffler is mounted inside the unit to prevent injuries.

Makes for an easy, eye appealing installation, as close as 18 in (457 mm) away from a structure.

These features combine to assure smooth, quick starting every time.

GENERAG

**Features and Benefits** 

Pressurized lubrication to all vital bearings means better performance, less maintenance, and longer engine life. Now featuring up to a 2 year/200 hour oil change interval.

Maximizes engine "breathing" for increased fuel efficiency. Plateau honed cylinder walls and plasma moly rings

Shutdown protection prevents catastrophic engine damage due to low oil.

Rigid construction and added durability provide long engine life.

Allows unit to be used for demand response applications (excluding 20 kW units).

help the engine run cooler, reducing oil consumption and resulting in longer engine life.

Prevents damage due to overheating.

Allows for a smaller, light weight unit that operates 25% more efficiently than a revolving armature generator. Produces a smooth output waveform for compatibility with electronic equipment. (22kW -10 models only.) Maximizes motor starting capability.

Regulating output voltage to  $\pm 1\%$  prevents damaging voltage spikes. For your safety.

Transfers vital electrical loads to the energized source of power.

Can be installed inside or outside for maximum flexibility.

Capability to manage additional loads for efficient power management.

Mounts near an existing distribution panel for simple, low-cost installation.

Selects the operating mode and provides easy, at-a-glance status indication in any condition.

Provides homeowners easily visible logs of history, maintenance, and events up to 50 occurrences.

Smooth, weather-resistant user interface for programming and operations.

Constantly monitors utility voltage, setpoints 65% dropout, 80% pick-up, of standard voltage.

Constantly monitors generator voltage to verify the cleanest power delivered to the home.

Prevents nuisance start-ups of the engine, adjustable 2-1500 seconds from the factory default setting of 5 seconds by a qualified dealer.

Verifies engine is ready to assume the load, setpoint approximately 5 seconds.

Allows engine to cool prior to shutdown, setpoint approximately 1 minute.

Operates engine to prevent oil seal drying and damage between power outages by running the generator for 5 minutes every other week. Also offers a selectable setting for weekly or monthly operation providing flexibility and potentially lower fuel costs to the owner.

Delivers charge to the battery only when needed at varying rates depending on outdoor air temperature. Compatible with lead acid and AGM-style batteries.

Protects generator from overload.

Maintains constant 60 Hz frequency.

### GENERAC

**Features and Benefits** 

### 20/22/24 kW

#### **Installation System**

- 14 in (35.6 cm) flexible fuel line connector
- Integral sediment trap

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Listed ANSI Z21.75/CSA 6.27 outdoor appliance connector for the required connection to the gas supply piping.

Meets IFGC and NFPA 54 installation requirements.

#### Connectivity (Wi-Fi equipped models only)

Ability to view generator maintenance information

Ability to view generator battery information

- Ability to view generator status
- Monitor generator with a smartphone, tablet, or computer at any time via the Mobile Link application for complete peace of mind.
- Ability to view generator Exercise/Run and Total Hours Review the generator's complete protection profile for exercise hours and total hours.
  - Provides maintenance information for the specific model generator when scheduled maintenance is due.
- Monthly report with previous month's activity Detailed monthly reports provide historical generator information.
  - Built in battery diagnostics displaying current state of the battery.
- Weather information

Provides detailed local ambient weather conditions for generator location.

# 20/22/24 kW

# GENERAC

## **Specifications**

| AREN INT   |   | G007038-1  | G007042-10   | G007038-3  | G007042-11   | G007209-10                                   |
|--|---|--|--|--|--|--|
| Model  |   | G007039-1<br>(20 kW)   | G007043-10<br>G007043-10<br>(22 kW)  | G007039-3<br>(20 kW)   | G007042-11<br>G007043-11<br>(22 kW)  | G007209-10<br>G007210-10<br>(24 kW)          |
| Rated maximum continuous powe  | r capacity (LP)   | 20,000 Watts*  | 22,000 Watts*  | 20,000 Watts*  | 22,000 Watts*  | 24,000 Watts                                 |
| Rated maximum continuous powe  | r capacity (NG)   | 18,000 Watts*  | 19,500 Watts*  | 18,000 Watts*  | 19,500 Watts*  | 21,000 Watts                                 |
| Rated voltage  |   |  |  | 240  |  |  |
| Rated maximum continuous load o  | current – 240 volts (LP/NG)   | 83.3 / 75.0  | 91.7 / 81.3  | 83.3 / 75.0  | 91.7 / 81.3  | 100/87.5                                     |
| Total Harmonic Distortion  |   |  |  | Less than 5%   |  |  |
| Main line circuit breaker  |   | 90 amp   | 100 amp  | 90 amp   | 100 amp  | 100 amp                                      |
| Phase  |   |  |  | 1  |  |  |
| Number of rotor poles  |   |  |  | 2  |  |  |
| Rated AC frequency   |   |  |  | 60 Hz  |  |  |
| Power factor   |   |  |  | 1.0  |  |  |
| Battery requirement (not included)   |   | 12 Vo  | Its, Group 26R 540 CO  | CA minimum or Group  | 35AGM 650 CCA mir  | nimum  |
| Unit weight (lb / kg)  |   | 448 / 203  | 466 / 211  | 436 / 198  | 445 / 202  | 455 / 206                                    |
| Dimensions (L x W x H) in / cm   |   |  | 48 x 2   | 5 x 29 / 121.9 x 63.5  | x 73.7   |  |
| , ,  | n) with generator operating at normal load**  | 67   | 67   | 67   | 67   | 67   |
|  | n) with generator in Quiet-Test™ low-speed exercise mode**  | 55   | 57   | 55   | 57   | 57   |
| Exercise duration  | ,   |  |  | 5 min  |  |  |
| Engine   |   |  |  |  |  |  |
| •  |   |  |  |  |  |  |
| Engine type  |   |  | GEN  | ERAC G-Force 1000 S  | beries   |  |
| Number of cylinders  |   |  |  | 2  |  |  |
| Displacement   |   |  |  | 999 cc   |  |  |
| Cylinder block   |   |  | Alu  | minum w/ cast iron sl  | eeve   |  |
| Valve arrangement  |   |  |  | Overhead valve   |  |  |
| Ignition system  |   |  | ;  | Solid-state w/ magnet  | 0  |  |
| Governor system  |   |  |  | Electronic   |  |  |
| Compression ratio  |   |  |  | 9.5:1  |  |  |
| Starter  |   |  |  | 12 VDC   |  |  |
| Oil capacity including filter  |   |  |  | Approx. 1.9 qt / 1.8 L   |  |  |
| Operating rpm  |   |  |  | 3,600  |  |  |
| Fuel consumption   |   |  |  |  |  |  |
| Natural gas  | ft³/hr (m³/hr)  |  |  |  |  |  |
|  | 1/2 Load  | 204 (5.78)   | 228 (6.46)   | 164 (4.64)   |  | (5.75)                                       |
|  |   | 301 (8.52)   | 327 (9.26)   | 287 (8.13)   | 300  | (8.66)                                       |
| 1  | Full Load   | `` '   |  |  |  |  |
| Liquid propane   | ft <sup>3</sup> /hr (gal/hr) [L/hr]   | · ,  | 92 (2 53) [9 57]   | 86 (2,36) [8,95]   | 92 (2.5  | 3) [9.57]                                    |
| Liquid propane   | ft <sup>3</sup> /hr (gal/hr) [L/hr]<br>1/2 Load   | 87 (2.37) [8.99]   | 92 (2.53) [9.57]<br>142 (3.90) [14.77]   | 86 (2.36) [8.95]<br>136 (3.74) [14.15]   |  | 3) [9.57]<br>0) [14.77]                      |
|  | ft <sup>3</sup> /hr (gal/hr) [L/hr]<br>1/2 Load<br>Full Load  | 87 (2.37) [8.99]<br>130 (3.56) [13.48]   | 142 (3.90) [14.77]   | 136 (3.74) [14.15]   | 142 (3.9   | D) [14.77]                                   |
| Note: Fuel pipe must be sized f  | ft <sup>3</sup> /hr (gal/hr) [L/hr]<br>1/2 Load   | 87 (2.37) [8.99]<br>130 (3.56) [13.48]<br>load ranges - 3.5–7 ir   | 142 (3.90) [14.77]<br>1 water column (0.87–  | 136 (3.74) [14.15]<br>1.74 kPa) for NG, 10-  | 142 (3.9   | D) [14.77]                                   |
| Note: <b>Fuel pipe must be sized f</b><br>gas. For BTU content, multiply ft <sup>3</sup> /   | ft <sup>3</sup> /hr (gal/hr) [L/hr]<br>1/2 Load<br>Full Load<br>or full load. Required fuel pressure to generator fuel inlet at all   | 87 (2.37) [8.99]<br>130 (3.56) [13.48]<br>load ranges - 3.5–7 ir   | 142 (3.90) [14.77]<br>1 water column (0.87–  | 136 (3.74) [14.15]<br>1.74 kPa) for NG, 10-  | 142 (3.9   | D) [14.77]                                   |
| Note: <b>Fuel pipe must be sized f</b><br>gas. For BTU content, multiply ft <sup>3</sup> /<br><b>Controls</b>  | ft <sup>3</sup> /hr (gal/hr) [L/hr]<br>1/2 Load<br>Full Load<br>or full load. Required fuel pressure to generator fuel inlet at all<br>hr x 2500 (LP) or ft <sup>3</sup> /hr x 1000 (NG). For Megajoule content, mu   | 87 (2.37) [8.99]<br>130 (3.56) [13.48]<br>load ranges - 3.5–7 ir   | 142 (3.90) [14.77]<br>1 water column (0.87–<br>P) or m³/hr x 37.26 (N  | 136 (3.74) [14.15]<br>1.74 kPa) for NG, 10<br>G).  | 142 (3.9<br>–12 in water column (  | D) [14.77]                                   |
| Note: <b>Fuel pipe must be sized f</b><br>gas. For BTU content, multiply ft <sup>3</sup> /<br><b>Controls</b><br>Two-line plain text multilingual LC   | ft <sup>3</sup> /hr (gal/hr) [L/hr]<br>1/2 Load<br>Full Load<br>or full load. Required fuel pressure to generator fuel inlet at all<br>hr x 2500 (LP) or ft <sup>3</sup> /hr x 1000 (NG). For Megajoule content, mu   | 87 (2.37) [8.99]<br>130 (3.56) [13.48]<br>Ioad ranges - 3.5–7 ir<br>Itiply m <sup>3</sup> /hr x 93.15 (L | 142 (3.90) [14.77]<br>n water column (0.87–<br>P) or m³/hr x 37.26 (N<br>Simple us   | 136 (3.74) [14.15]<br>1.74 kPa) for NG, 10-<br>G).<br>er interface for ease of   | 142 (3.9<br>–12 in water column (<br>f operation.  | Dý [14.77]<br>2.49–2.99 kPa) f               |
| Note: <b>Fuel pipe must be sized f</b><br>gas. For BTU content, multiply ft <sup>3</sup> /<br><b>Controls</b><br>Two-line plain text multilingual LC<br>Mode buttons: AUTO   | ft <sup>3</sup> /hr (gal/hr) [L/hr]<br>1/2 Load<br>Full Load<br>or full load. Required fuel pressure to generator fuel inlet at all<br>hr x 2500 (LP) or ft <sup>3</sup> /hr x 1000 (NG). For Megajoule content, mu   | 87 (2.37) [8.99]<br>130 (3.56) [13.48]<br>Ioad ranges - 3.5–7 ir<br>Itiply m³/hr x 93.15 (L<br>Automati  | 142 (3.90) [14.77]<br>n water column (0.87–<br>P) or m³/hr x 37.26 (N<br>Simple us<br>c start on utility failure   | 136 (3.74) [14.15]<br>1.74 kPa) for NG, 10-<br>G).<br>er interface for ease o'<br>2. Weekly, Bi-weekly, 6  | 142 (3.9<br>–12 in water column (<br>f operation.<br>or Monthly selectable   | D) [14.77]<br>2.49–2.99 kPa) f<br>exerciser. |
| Note: <b>Fuel pipe must be sized f</b><br>gas. For BTU content, multiply ft <sup>3</sup> /<br><b>Controls</b><br>Two-line plain text multilingual LC<br>Mode buttons: AUTO<br>MANUAL   | ft <sup>3</sup> /hr (gal/hr) [L/hr]<br>1/2 Load<br>Full Load<br>or full load. Required fuel pressure to generator fuel inlet at all<br>hr x 2500 (LP) or ft <sup>3</sup> /hr x 1000 (NG). For Megajoule content, mu   | 87 (2.37) [8.99]<br>130 (3.56) [13.48]<br>Ioad ranges - 3.5–7 ir<br>Itiply m³/hr x 93.15 (L<br>Automati  | 142 (3.90) [14.77]<br>n water column (0.87–<br>P) or m³/hr x 37.26 (N<br>Simple us<br>c start on utility failure<br>ith starter control, unit  | 136 (3.74) [14.15]<br>1.74 kPa) for NG, 10-<br>G).<br>er interface for ease of<br>tweekly, Bi-weekly, of<br>stays on. If utility fail:   | 142 (3.9<br>–12 in water column (<br>f operation.<br>or Monthly selectable<br>s, transfer to load take:  | D) [14.77]<br>2.49–2.99 kPa) f<br>exerciser. |
| Note: <b>Fuel pipe must be sized f</b><br>gas. For BTU content, multiply ft <sup>3</sup> /<br><b>Controls</b><br>Two-line plain text multilingual LC<br>Mode buttons: AUTO<br>MANUAL<br>OFF  | ft <sup>3</sup> /hr (gal/hr) [L/hr]<br>1/2 Load<br>Full Load<br>or full load. Required fuel pressure to generator fuel inlet at all<br>hr x 2500 (LP) or ft <sup>3</sup> /hr x 1000 (NG). For Megajoule content, mu<br>D  | 87 (2.37) [8.99]<br>130 (3.56) [13.48]<br>Ioad ranges - 3.5–7 ir<br>Itiply m³/hr x 93.15 (L<br>Automati  | 142 (3.90) [14.77]<br>n water column (0.87–<br>P) or m³/hr x 37.26 (N<br>Simple us<br>c start on utility failure<br>ith starter control, unit  | 136 (3.74) [14.15]<br>1.74 kPa) for NG, 10-<br>G).<br>er interface for ease of<br>tweekly, Bi-weekly, of<br>stays on. If utility failt<br>removed. Control and   | 142 (3.9<br>–12 in water column (<br>f operation.<br>or Monthly selectable<br>s, transfer to load take:  | D) [14.77]<br>2.49–2.99 kPa) f<br>exerciser. |
| Note: <b>Fuel pipe must be sized f</b><br>gas. For BTU content, multiply ft <sup>3</sup> /<br><b>Controls</b><br>Two-line plain text multilingual LC<br>Mode buttons: AUTO<br>MANUAL<br>OFF<br>Ready to Run/Maintenance messa  | ft <sup>3</sup> /hr (gal/hr) [L/hr]<br>1/2 Load<br>Full Load<br>or full load. Required fuel pressure to generator fuel inlet at all<br>hr x 2500 (LP) or ft <sup>3</sup> /hr x 1000 (NG). For Megajoule content, mu<br>D  | 87 (2.37) [8.99]<br>130 (3.56) [13.48]<br>Ioad ranges - 3.5–7 ir<br>Itiply m³/hr x 93.15 (L<br>Automati  | 142 (3.90) [14.77]<br>n water column (0.87–<br>P) or m³/hr x 37.26 (N<br>Simple us<br>c start on utility failure<br>ith starter control, unit  | 136 (3.74) [14.15]<br>1.74 kPa) for NG, 10-<br>G).<br>er interface for ease of<br>tweekly, Bi-weekly, of<br>stays on. If utility failt<br>removed. Control and<br>Standard   | 142 (3.9<br>–12 in water column (<br>f operation.<br>or Monthly selectable<br>s, transfer to load take:  | D) [14.77]<br>2.49–2.99 kPa) f<br>exerciser. |
| Note: Fuel pipe must be sized f<br>gas. For BTU content, multiply ft <sup>3</sup> /<br><b>Controls</b><br>Two-line plain text multilingual LC<br>Mode buttons: AUTO<br>MANUAL<br>OFF<br>Ready to Run/Maintenance messa<br>Engine run hours indication  | ft <sup>3</sup> /hr (gal/hr) [L/hr]<br>1/2 Load<br>Full Load<br>or full load. Required fuel pressure to generator fuel inlet at all<br>hr x 2500 (LP) or ft <sup>3</sup> /hr x 1000 (NG). For Megajoule content, mu<br>D  | 87 (2.37) [8.99]<br>130 (3.56) [13.48]<br>Ioad ranges - 3.5–7 ir<br>Itiply m³/hr x 93.15 (L<br>Automati  | 142 (3.90) [14.77]<br>n water column (0.87–<br>P) or m³/hr x 37.26 (N<br>Simple us<br>c start on utility failure<br>ith starter control, unit  | 136 (3.74) [14.15]<br>1.74 kPa) for NG, 10-<br>G).<br>er interface for ease of<br>tweekly, Bi-weekly, of<br>stays on. If utility failt<br>removed. Control and   | 142 (3.9<br>–12 in water column (<br>f operation.<br>or Monthly selectable<br>s, transfer to load take:  | D) [14.77]<br>2.49–2.99 kPa) f<br>exerciser. |
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| Note: <b>Fuel pipe must be sized f</b><br>gas. For BTU content, multiply ft <sup>3</sup> /<br><b>Controls</b><br>Two-line plain text multilingual LC<br>Mode buttons: AUTO<br>MANUAL<br>OFF<br>Ready to Run/Maintenance messa<br>Engine run hours indication<br>Programmable start delay betweer   | ft <sup>3</sup> /hr (gal/hr) [L/hr]<br>1/2 Load<br>Full Load<br>or full load. Required fuel pressure to generator fuel inlet at all<br>hr x 2500 (LP) or ft <sup>3</sup> /hr x 1000 (NG). For Megajoule content, mu<br>D<br>ges<br>ges  | 87 (2.37) [8.99]<br>130 (3.56) [13.48]<br>Ioad ranges - 3.5–7 ir<br>Itiply m³/hr x 93.15 (L<br>Automati  | 142 (3.90) [14.77]<br>n water column (0.87–<br>P) or m³/hr x 37.26 (N<br>Simple us<br>c start on utility failure<br>ith starter control, unit<br>Stops unit. Power is<br>Standard                                | 136 (3.74) [14.15]<br>1.74 kPa) for NG, 10-<br>G).<br>er interface for ease of<br>tweekly, Bi-weekly, of<br>stays on. If utility failt<br>removed. Control and<br>Standard<br>Standard   | 142 (3.9<br>-12 in water column (<br>f operation.<br>or Monthly selectable<br>s, transfer to load take:<br>charger still operate.<br>saler only)                                 | D) [14.77]<br>2.49–2.99 kPa) f<br>exerciser. |
| Note: <b>Fuel pipe must be sized f</b><br>gas. For BTU content, multiply ft <sup>3</sup> /<br><b>Controls</b><br>Two-line plain text multilingual LC<br>Mode buttons: AUTO<br>MANUAL<br>OFF<br>Ready to Run/Maintenance messa<br>Engine run hours indication<br>Programmable start delay betweer<br>Utility Voltage Loss/Return to Utili   | ft <sup>3</sup> /hr (gal/hr) [L/hr]<br>1/2 Load<br>Full Load<br>or full load. Required fuel pressure to generator fuel inlet at all<br>hr x 2500 (LP) or ft <sup>3</sup> /hr x 1000 (NG). For Megajoule content, mu<br>D<br>ges<br>1 2–1500 seconds<br>ty adjustable (brownout setting)   | 87 (2.37) [8.99]<br>130 (3.56) [13.48]<br>Ioad ranges - 3.5–7 ir<br>Itiply m³/hr x 93.15 (L<br>Automati  | 142 (3.90) [14.77]<br>n water column (0.87–<br>P) or m³/hr x 37.26 (N<br>Simple us<br>c start on utility failure<br>ith starter control, unit<br>Stops unit. Power is<br>Standard                                | 136 (3.74) [14.15]<br>1.74 kPa) for NG, 10-<br>G).<br>er interface for ease of<br>tweekly, Bi-weekly,<br>stays on. If utility fail-<br>removed. Control and<br>Standard<br>Standard<br>(programmable by de   | 142 (3.9<br>-12 in water column (<br>f operation.<br>or Monthly selectable<br>s, transfer to load take:<br>charger still operate.<br>saler only)                                 | D) [14.77]<br>2.49–2.99 kPa) f<br>exerciser. |
| Note: <b>Fuel pipe must be sized f</b><br>gas. For BTU content, multiply ft <sup>3</sup> /<br><b>Controls</b><br>Two-line plain text multilingual LC<br>Mode buttons: AUTO<br>MANUAL   | ft <sup>3</sup> /hr (gal/hr) [L/hr]<br>1/2 Load<br>Full Load<br>or full load. Required fuel pressure to generator fuel inlet at all<br>hr x 2500 (LP) or ft <sup>3</sup> /hr x 1000 (NG). For Megajoule content, mu<br>D<br>ges<br>1 2–1500 seconds<br>ty adjustable (brownout setting)   | 87 (2.37) [8.99]<br>130 (3.56) [13.48]<br>Ioad ranges - 3.5–7 ir<br>Itiply m³/hr x 93.15 (L<br>Automati  | 142 (3.90) [14.77]<br>n water column (0.87–<br>P) or m³/hr x 37.26 (N<br>Simple us<br>c start on utility failure<br>ith starter control, unit<br>Stops unit. Power is<br>Standard                                | 136 (3.74) [14.15]<br>1.74 kPa) for NG, 10-<br>G).<br>er interface for ease of<br>Weekly, Bi-weekly, 4<br>stays on. If utility fails<br>removed. Control and<br>Standard<br>Standard<br>(programmable by de<br>m 140-171 V / 190-2   | 142 (3.9<br>-12 in water column (<br>f operation.<br>or Monthly selectable<br>s, transfer to load take:<br>charger still operate.<br>saler only)                                 | D) [14.77]<br>2.49–2.99 kPa) f<br>exerciser. |
| Note: Fuel pipe must be sized f<br>gas. For BTU content, multiply ft <sup>3</sup> /<br>Controls<br>Two-line plain text multilingual LC<br>Mode buttons: AUTO<br>MANUAL<br>OFF<br>Ready to Run/Maintenance messa<br>Engine run hours indication<br>Programmable start delay betweer<br>Utility Voltage Loss/Return to Utili<br>Future Set Capable Exerciser/Exerr<br>Run/Alarm/Maintenance logs   | ft <sup>3</sup> /hr (gal/hr) [L/hr]<br>1/2 Load<br>Full Load<br>or full load. Required fuel pressure to generator fuel inlet at all<br>hr x 2500 (LP) or ft <sup>3</sup> /hr x 1000 (NG). For Megajoule content, mu<br>D<br>ges<br>1 2–1500 seconds<br>ty adjustable (brownout setting)   | 87 (2.37) [8.99]<br>130 (3.56) [13.48]<br>Ioad ranges - 3.5–7 ir<br>Itiply m³/hr x 93.15 (L<br>Automati  | 142 (3.90) [14.77]<br>n water column (0.87-<br>P) or m³/hr x 37.26 (N<br>Simple us<br>c start on utility failure<br>ith starter control, unit<br>Stops unit. Power is<br>Standard<br>From                        | 136 (3.74) [14.15]<br>1.74 kPa) for NG, 10-<br>G).<br>er interface for ease of<br>Weekly, Bi-weekly,<br>stays on. If utility fail:<br>removed. Control and<br>Standard<br>Standard<br>(programmable by de<br>m 140-171 V / 190-2<br>Standard   | 142 (3.9<br>-12 in water column (<br>f operation.<br>or Monthly selectable<br>s, transfer to load take:<br>charger still operate.<br>ealer only)<br>16 V                         | D) [14.77]<br>2.49–2.99 kPa) f<br>exerciser. |
| Note: Fuel pipe must be sized f<br>gas. For BTU content, multiply ft <sup>3</sup> /<br>Controls<br>Two-line plain text multilingual LC<br>Mode buttons: AUTO<br>MANUAL<br>OFF<br>Ready to Run/Maintenance messa<br>Engine run hours indication<br>Programmable start delay betweer<br>Utility Voltage Loss/Return to Utili<br>Future Set Capable Exerciser/Exer<br>Run/Alarm/Maintenance logs<br>Engine start sequence   | ft <sup>3</sup> /hr (gal/hr) [L/hr]<br>1/2 Load<br>Full Load<br>or full load. Required fuel pressure to generator fuel inlet at all<br>hr x 2500 (LP) or ft <sup>3</sup> /hr x 1000 (NG). For Megajoule content, mu<br>D<br>ges<br>1 2–1500 seconds<br>ty adjustable (brownout setting)   | 87 (2.37) [8.99]<br>130 (3.56) [13.48]<br>Ioad ranges - 3.5–7 ir<br>Itiply m³/hr x 93.15 (L<br>Automati  | 142 (3.90) [14.77]<br>h water column (0.87-<br>P) or m³/hr x 37.26 (N<br>Simple us<br>c start on utility failure<br>ith starter control, unit<br>Stops unit. Power is<br>Standard<br>From<br>Cyclic cranking: 16 | 136 (3.74) [14.15]<br>1.74 kPa) for NG, 10-<br>G).<br>er interface for ease of<br>Weekly, Bi-weekly, for<br>stays on. If utility fails<br>removed. Control and<br>Standard<br>Standard<br>(programmable by de<br>n 140-171 V / 190-2<br>Standard<br>50 events each<br>sec on, 7 rest (90 sec   | 142 (3.9<br>-12 in water column (<br>f operation.<br>or Monthly selectable<br>s, transfer to load takes<br>charger still operate.<br>saler only)<br>16 V<br>r maximum duration). | D) [14.77]<br>2.49–2.99 kPa) f<br>exerciser. |
| Note: Fuel pipe must be sized f<br>gas. For BTU content, multiply ft <sup>3</sup> /<br>Controls<br>Two-line plain text multilingual LC<br>Mode buttons: AUTO<br>MANUAL<br>OFF<br>Ready to Run/Maintenance messa<br>Engine run hours indication<br>Programmable start delay betweer<br>Utility Voltage Loss/Return to Utili<br>Future Set Capable Exerciser/Exer<br>Run/Alarm/Maintenance logs<br>Engine start sequence<br>Starter lock-out   | ft <sup>3</sup> /hr (gal/hr) [L/hr]<br>1/2 Load<br>Full Load<br>or full load. Required fuel pressure to generator fuel inlet at all<br>hr x 2500 (LP) or ft <sup>3</sup> /hr x 1000 (NG). For Megajoule content, mu<br>D<br>ges<br>1 2–1500 seconds<br>ty adjustable (brownout setting)   | 87 (2.37) [8.99]<br>130 (3.56) [13.48]<br>Ioad ranges - 3.5–7 ir<br>Itiply m³/hr x 93.15 (L<br>Automati  | 142 (3.90) [14.77]<br>h water column (0.87-<br>P) or m³/hr x 37.26 (N<br>Simple us<br>c start on utility failure<br>ith starter control, unit<br>Stops unit. Power is<br>Standard<br>From<br>Cyclic cranking: 16 | 136 (3.74) [14.15]<br>1.74 kPa) for NG, 10-<br>G).<br>er interface for ease of<br>Weekly, Bi-weekly,<br>stays on. If utility fail-<br>removed. Control and<br>Standard<br>(programmable by de<br>n 140-171 V / 190-2<br>Standard<br>50 events each   | 142 (3.9<br>-12 in water column (<br>f operation.<br>or Monthly selectable<br>s, transfer to load takes<br>charger still operate.<br>saler only)<br>16 V<br>r maximum duration). | D) [14.77]<br>2.49–2.99 kPa) f<br>exerciser. |
| Note: Fuel pipe must be sized f<br>gas. For BTU content, multiply ft <sup>3</sup> /<br>Controls<br>Two-line plain text multilingual LC<br>Mode buttons: AUTO<br>MANUAL<br>OFF<br>Ready to Run/Maintenance messa<br>Engine run hours indication<br>Programmable start delay betweer<br>Utility Voltage Loss/Return to Utili<br>Future Set Capable Exerciser/Exerc<br>Run/Alarm/Maintenance logs<br>Engine start sequence<br>Starter lock-out<br>Smart Battery Charger   | ft <sup>3</sup> /hr (gal/hr) [L/hr]<br>1/2 Load<br>Full Load<br>or full load. Required fuel pressure to generator fuel inlet at all<br>hr x 2500 (LP) or ft <sup>3</sup> /hr x 1000 (NG). For Megajoule content, mu<br>D<br>ges<br>12–1500 seconds<br>ty adjustable (brownout setting)<br>cise Set Error warning  | 87 (2.37) [8.99]<br>130 (3.56) [13.48]<br>Ioad ranges - 3.5–7 ir<br>Itiply m³/hr x 93.15 (L<br>Automati  | 142 (3.90) [14.77]<br>h water column (0.87-<br>P) or m³/hr x 37.26 (N<br>Simple us<br>c start on utility failure<br>ith starter control, unit<br>Stops unit. Power is<br>Standard<br>From<br>Cyclic cranking: 16 | 136 (3.74) [14.15]<br>1.74 kPa) for NG, 10-<br>G).<br>er interface for ease of<br>Weekly, Bi-weekly, f<br>stays on. If utility fails<br>removed. Control and<br>Standard<br>Standard<br>(programmable by de<br>n 140-171 V / 190-2<br>Standard<br>50 events each<br>sec on, 7 rest (90 sec<br>gage until 5 sec after   | 142 (3.9<br>-12 in water column (<br>f operation.<br>or Monthly selectable<br>s, transfer to load takes<br>charger still operate.<br>saler only)<br>16 V<br>r maximum duration). | D) [14.77]<br>2.49–2.99 kPa) f<br>exerciser. |
| Note: Fuel pipe must be sized f<br>gas. For BTU content, multiply ft <sup>3</sup> /<br>Controls<br>Two-line plain text multilingual LC<br>Mode buttons: AUTO<br>MANUAL<br>OFF<br>Ready to Run/Maintenance messa<br>Engine run hours indication<br>Programmable start delay betweer<br>Utility Voltage Loss/Return to Utili<br>Future Set Capable Exerciser/Exerc<br>Run/Alarm/Maintenance logs<br>Engine start sequence<br>Starter lock-out<br>Smart Battery Charger<br>Charger Fault/Missing AC warning   | ft <sup>3</sup> /hr (gal/hr) [L/hr]<br>1/2 Load<br>Full Load<br>or full load. Required fuel pressure to generator fuel inlet at all<br>hr x 2500 (LP) or ft <sup>3</sup> /hr x 1000 (NG). For Megajoule content, mu<br>D<br>ges<br>12–1500 seconds<br>ty adjustable (brownout setting)<br>cise Set Error warning  | 87 (2.37) [8.99]<br>130 (3.56) [13.48]<br>Ioad ranges - 3.5–7 ir<br>Itiply m³/hr x 93.15 (L<br>Automati  | 142 (3.90) [14.77]<br>h water column (0.87-<br>P) or m³/hr x 37.26 (N<br>Simple us<br>c start on utility failure<br>ith starter control, unit<br>Stops unit. Power is<br>Standard<br>From<br>Cyclic cranking: 16 | 136 (3.74) [14.15]<br>1.74 kPa) for NG, 10-<br>G).<br>er interface for ease of<br>tweekly, Bi-weekly, 6<br>stays on. If utility fail:<br>removed. Control and<br>Standard<br>Standard<br>(programmable by de<br>m 140-171 V / 190-2<br>Standard<br>50 events each<br>sec on, 7 rest (90 sec<br>gage until 5 sec after<br>Standard<br>Standard<br>Standard  | 142 (3.9<br>-12 in water column (<br>f operation.<br>or Monthly selectable<br>s, transfer to load takes<br>charger still operate.<br>saler only)<br>16 V<br>r maximum duration). | D) [14.77]<br>2.49–2.99 kPa) f<br>exerciser. |
| Note: Fuel pipe must be sized f<br>gas. For BTU content, multiply ft <sup>3</sup> /<br>Controls<br>Two-line plain text multilingual LC<br>Mode buttons: AUTO<br>MANUAL<br>OFF<br>Ready to Run/Maintenance messa<br>Engine run hours indication<br>Programmable start delay betweer<br>Utility Voltage Loss/Return to Utili<br>Future Set Capable Exerciser/Exerc<br>Run/Alarm/Maintenance logs<br>Engine start sequence<br>Starter lock-out<br>Smart Battery Charger<br>Charger Fault/Missing AC warning<br>Low Battery/Battery Problem Prote  | ft <sup>3</sup> /hr (gal/hr) [L/hr]<br>1/2 Load<br>Full Load<br>or full load. Required fuel pressure to generator fuel inlet at all<br>hr x 2500 (LP) or ft <sup>3</sup> /hr x 1000 (NG). For Megajoule content, mu<br>D<br>ges<br>12–1500 seconds<br>ty adjustable (brownout setting)<br>cise Set Error warning<br>cise Set Error warning  | 87 (2.37) [8.99]<br>130 (3.56) [13.48]<br>Ioad ranges - 3.5–7 ir<br>Itiply m³/hr x 93.15 (L<br>Automati  | 142 (3.90) [14.77]<br>h water column (0.87-<br>P) or m³/hr x 37.26 (N<br>Simple us<br>c start on utility failure<br>ith starter control, unit<br>Stops unit. Power is<br>Standard<br>From<br>Cyclic cranking: 16 | 136 (3.74) [14.15]<br>1.74 kPa) for NG, 10-<br>G).<br>er interface for ease of<br>the Weekly, Bi-weekly, of<br>stays on. If utility fail:<br>removed. Control and<br>Standard<br>Standard<br>(programmable by defined<br>in 140-171 V / 190-2<br>Standard<br>50 events each<br>sec on, 7 rest (90 sec<br>gage until 5 sec after<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard  | 142 (3.9<br>-12 in water column (<br>f operation.<br>or Monthly selectable<br>s, transfer to load takes<br>charger still operate.<br>saler only)<br>16 V<br>r maximum duration). | D) [14.77]<br>2.49–2.99 kPa) f<br>exerciser. |
| Note: Fuel pipe must be sized f<br>gas. For BTU content, multiply ft <sup>3</sup> /<br>Controls<br>Two-line plain text multilingual LC<br>Mode buttons: AUTO<br>MANUAL<br>OFF<br>Ready to Run/Maintenance messa<br>Engine run hours indication<br>Programmable start delay betweer<br>Utility Voltage Loss/Return to Utili<br>Future Set Capable Exerciser/Exerc<br>Run/Alarm/Maintenance logs<br>Engine start sequence<br>Starter lock-out<br>Smart Battery Charger<br>Charger Fault/Missing AC warning<br>Low Battery/Battery Problem Prote<br>Automatic Voltage Regulation with   | ft <sup>3</sup> /hr (gal/hr) [L/hr]<br>1/2 Load<br>Full Load<br>or full load. Required fuel pressure to generator fuel inlet at all<br>hr x 2500 (LP) or ft <sup>3</sup> /hr x 1000 (NG). For Megajoule content, mi<br>D<br>ges<br>12–1500 seconds<br>ty adjustable (brownout setting)<br>cise Set Error warning<br>ction and Battery Condition indication<br>Over and Under Voltage Protection   | 87 (2.37) [8.99]<br>130 (3.56) [13.48]<br>Ioad ranges - 3.5–7 ir<br>Itiply m³/hr x 93.15 (L<br>Automati  | 142 (3.90) [14.77]<br>h water column (0.87-<br>P) or m³/hr x 37.26 (N<br>Simple us<br>c start on utility failure<br>ith starter control, unit<br>Stops unit. Power is<br>Standard<br>From<br>Cyclic cranking: 16 | 136 (3.74) [14.15]<br>1.74 kPa) for NG, 10-<br>G).<br>er interface for ease of<br>the Weekly, Bi-weekly, of<br>stays on. If utility fails<br>removed. Control and<br>Standard<br>Standard<br>(programmable by def<br>m 140-171 V / 190-2<br>Standard<br>50 events each<br>sec on, 7 rest (90 sec<br>gage until 5 sec after<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard   | 142 (3.9<br>-12 in water column (<br>f operation.<br>or Monthly selectable<br>s, transfer to load takes<br>charger still operate.<br>saler only)<br>16 V<br>r maximum duration). | D) [14.77]<br>2.49–2.99 kPa) f<br>exerciser. |
| Note: Fuel pipe must be sized f<br>gas. For BTU content, multiply ft <sup>3</sup> /<br>Controls<br>Two-line plain text multilingual LC<br>Mode buttons: AUTO<br>MANUAL<br>OFF<br>Ready to Run/Maintenance messa<br>Engine run hours indication<br>Programmable start delay betweer<br>Utility Voltage Loss/Return to Utili<br>Future Set Capable Exerciser/Exerc<br>Run/Alarm/Maintenance logs<br>Engine start sequence<br>Starter lock-out<br>Starter lock-out<br>Smart Battery Charger<br>Charger Fault/Missing AC warning<br>Low Battery/Battery Problem Prote<br>Automatic Voltage Regulation with<br>Under-Frequency/Overload/Stepped   | ft <sup>3</sup> /hr (gal/hr) [L/hr]<br>1/2 Load<br>Full Load<br>or full load. Required fuel pressure to generator fuel inlet at all<br>hr x 2500 (LP) or ft <sup>3</sup> /hr x 1000 (NG). For Megajoule content, m<br>D<br>ges<br>12–1500 seconds<br>ty adjustable (brownout setting)<br>cise Set Error warning<br>cise Set Error warning<br>ction and Battery Condition indication<br>Over and Under Voltage Protection<br>er Overcurrent Protection   | 87 (2.37) [8.99]<br>130 (3.56) [13.48]<br>Ioad ranges - 3.5–7 ir<br>Itiply m³/hr x 93.15 (L<br>Automati  | 142 (3.90) [14.77]<br>h water column (0.87-<br>P) or m³/hr x 37.26 (N<br>Simple us<br>c start on utility failure<br>ith starter control, unit<br>Stops unit. Power is<br>Standard<br>From<br>Cyclic cranking: 16 | 136 (3.74) [14.15]<br>1.74 kPa) for NG, 10-<br>G).<br>er interface for ease of<br>the Weekly, Bi-weekly, of<br>stays on. If utility fails<br>removed. Control and<br>Standard<br>Standard<br>(programmable by def<br>m 140-171 V / 190-2<br>Standard<br>50 events each<br>sec on, 7 rest (90 sec<br>gage until 5 sec after<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard   | 142 (3.9<br>-12 in water column (<br>f operation.<br>or Monthly selectable<br>s, transfer to load takes<br>charger still operate.<br>saler only)<br>16 V<br>r maximum duration). | D) [14.77]<br>2.49–2.99 kPa) f<br>exerciser. |
| Note: Fuel pipe must be sized f<br>gas. For BTU content, multiply ft <sup>3</sup> /<br>Controls<br>Two-line plain text multilingual LC<br>Mode buttons: AUTO<br>MANUAL<br>OFF<br>Ready to Run/Maintenance messa<br>Engine run hours indication<br>Programmable start delay betweer<br>Utility Voltage Loss/Return to Utili<br>Future Set Capable Exerciser/Exer<br>Run/Alarm/Maintenance logs<br>Engine start sequence<br>Starter lock-out<br>Smart Battery Charger<br>Charger Fault/Missing AC warning<br>Low Battery/Battery Problem Prote<br>Automatic Voltage Regulation with<br>Under-Frequency/Overload/Steppe<br>Safety Fused/Fuse Problem Protect  | ft <sup>3</sup> /hr (gal/hr) [L/hr]<br>1/2 Load<br>Full Load<br>or full load. Required fuel pressure to generator fuel inlet at all<br>hr x 2500 (LP) or ft <sup>3</sup> /hr x 1000 (NG). For Megajoule content, mt<br>D<br>ges<br>12–1500 seconds<br>ty adjustable (brownout setting)<br>cise Set Error warning<br>cise Set Error warning<br>cise Set Error warning<br>cition and Battery Condition indication<br>Over and Under Voltage Protection<br>er Overcurrent Protection<br>stion  | 87 (2.37) [8.99]<br>130 (3.56) [13.48]<br>Ioad ranges - 3.5–7 ir<br>Itiply m³/hr x 93.15 (L<br>Automati  | 142 (3.90) [14.77]<br>h water column (0.87-<br>P) or m³/hr x 37.26 (N<br>Simple us<br>c start on utility failure<br>ith starter control, unit<br>Stops unit. Power is<br>Standard<br>From<br>Cyclic cranking: 16 | 136 (3.74) [14.15]<br>1.74 kPa) for NG, 10-<br>G).<br>er interface for ease of<br>the Weekly, Bi-weekly, of<br>stays on. If utility fails<br>removed. Control and<br>Standard<br>Standard<br>(programmable by defined<br>m 140-171 V / 190-2<br>Standard<br>50 events each<br>sec on, 7 rest (90 sec<br>gage until 5 sec after<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Stan   | 142 (3.9<br>-12 in water column (<br>f operation.<br>or Monthly selectable<br>s, transfer to load takes<br>charger still operate.<br>saler only)<br>16 V<br>r maximum duration). | D) [14.77]<br>2.49–2.99 kPa) f<br>exerciser. |
| Note: Fuel pipe must be sized f<br>gas. For BTU content, multiply ft <sup>3</sup> /<br>Controls<br>Two-line plain text multilingual LC<br>Mode buttons: AUTO<br>MANUAL<br>OFF<br>Ready to Run/Maintenance messa<br>Engine run hours indication<br>Programmable start delay betweer<br>Utility Voltage Loss/Return to Utili<br>Future Set Capable Exerciser/Exer<br>Run/Alarm/Maintenance logs<br>Engine start sequence<br>Starter lock-out<br>Smart Battery Charger<br>Charger Fault/Missing AC warning<br>Low Battery/Battery Problem Prote<br>Automatic Voltage Regulation with<br>Under-Frequency/Overload/Stepp<br>Safety Fused/Fuse Problem Protec<br>Automatic Low Oil Pressure/High   | ft <sup>3</sup> /hr (gal/hr) [L/hr]<br>1/2 Load<br>Full Load<br>or full load. Required fuel pressure to generator fuel inlet at all<br>hr x 2500 (LP) or ft <sup>3</sup> /hr x 1000 (NG). For Megajoule content, mt<br>D<br>ges<br>a 2–1500 seconds<br>ty adjustable (brownout setting)<br>cise Set Error warning<br>cise Set Error warning<br>cise Set Error warning<br>cition and Battery Condition indication<br>Over and Under Voltage Protection<br>er Overcurrent Protection<br>stion<br>Dil Temperature Shutdown               | 87 (2.37) [8.99]<br>130 (3.56) [13.48]<br>Ioad ranges - 3.5–7 ir<br>Itiply m³/hr x 93.15 (L<br>Automati  | 142 (3.90) [14.77]<br>h water column (0.87-<br>P) or m³/hr x 37.26 (N<br>Simple us<br>c start on utility failure<br>ith starter control, unit<br>Stops unit. Power is<br>Standard<br>From<br>Cyclic cranking: 16 | 136 (3.74) [14.15]<br>1.74 kPa) for NG, 10-<br>G).<br>er interface for ease of<br>the Weekly, Bi-weekly, of<br>stays on. If utility fails<br>removed. Control and<br>Standard<br>Standard<br>(programmable by definition of the standard<br>Standard<br>50 events each<br>sec on, 7 rest (90 sec<br>gage until 5 sec after<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standa     | 142 (3.9<br>-12 in water column (<br>f operation.<br>or Monthly selectable<br>s, transfer to load takes<br>charger still operate.<br>saler only)<br>16 V<br>r maximum duration). | D) [14.77]<br>2.49–2.99 kPa) f<br>exerciser. |
| Note: Fuel pipe must be sized f<br>gas. For BTU content, multiply ft <sup>3</sup> /<br>Controls<br>Two-line plain text multilingual LC<br>Mode buttons: AUTO<br>MANUAL<br>OFF<br>Ready to Run/Maintenance messa<br>Engine run hours indication<br>Programmable start delay betweer<br>Utility Voltage Loss/Return to Utili<br>Future Set Capable Exerciser/Exer<br>Run/Alarm/Maintenance logs<br>Engine start sequence<br>Starter lock-out<br>Smart Battery Charger<br>Charger Fault/Missing AC warning<br>Low Battery/Battery Problem Prote<br>Automatic Voltage Regulation with<br>Under-Frequency/Overload/Stepp<br>Safety Fused/Fuse Problem Protee<br>Automatic Low Oil Pressure/High<br>Overcrank/Overspeed (@ 72 Hz)/i                                      | ft <sup>3</sup> /hr (gal/hr) [L/hr]<br>1/2 Load<br>Full Load<br>or full load. Required fuel pressure to generator fuel inlet at all<br>hr x 2500 (LP) or ft <sup>3</sup> /hr x 1000 (NG). For Megajoule content, mt<br>D<br>ges<br>ges<br>1 2–1500 seconds<br>ty adjustable (brownout setting)<br>cise Set Error warning<br>cise Set Error warning<br>cition and Battery Condition indication<br>Over and Under Voltage Protection<br>er Overcurrent Protection<br>stion<br>Dil Temperature Shutdown<br>rpm Sense Loss Shutdown       | 87 (2.37) [8.99]<br>130 (3.56) [13.48]<br>Ioad ranges - 3.5–7 ir<br>Itiply m³/hr x 93.15 (L<br>Automati  | 142 (3.90) [14.77]<br>h water column (0.87-<br>P) or m³/hr x 37.26 (N<br>Simple us<br>c start on utility failure<br>ith starter control, unit<br>Stops unit. Power is<br>Standard<br>From<br>Cyclic cranking: 16 | 136 (3.74) [14.15]<br>1.74 kPa) for NG, 10-<br>G).<br>er interface for ease of<br>the Weekly, Bi-weekly, of<br>stays on. If utility fails<br>removed. Control and<br>Standard<br>Standard<br>(programmable by de<br>n 140-171 V / 190-2<br>Standard<br>50 events each<br>sec on, 7 rest (90 sec<br>gage until 5 sec after<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard    | 142 (3.9<br>-12 in water column (<br>f operation.<br>or Monthly selectable<br>s, transfer to load takes<br>charger still operate.<br>saler only)<br>16 V<br>r maximum duration). | D) [14.77]<br>2.49–2.99 kPa) f<br>exerciser. |
| Note: Fuel pipe must be sized f<br>gas. For BTU content, multiply ft <sup>3</sup> /<br>Controls<br>Two-line plain text multilingual LC<br>Mode buttons: AUTO<br>MANUAL<br>OFF<br>Ready to Run/Maintenance messa<br>Engine run hours indication<br>Programmable start delay betweer<br>Utility Voltage Loss/Return to Utili<br>Future Set Capable Exerciser/Exer<br>Run/Alarm/Maintenance logs<br>Engine start sequence<br>Starter lock-out<br>Smart Battery Charger<br>Charger Fault/Missing AC warning<br>Low Battery/Battery Problem Protee<br>Automatic Voltage Regulation with<br>Under-Frequency/Overload/Steppe<br>Safety Fused/Fuse Problem Protee<br>Automatic Low Oil Pressure/High<br>Overcrank/Overspeed (@ 72 Hz)//<br>High Engine Temperature Shutdow | ft <sup>3</sup> /hr (gal/hr) [L/hr]<br>1/2 Load<br>Full Load<br>or full load. Required fuel pressure to generator fuel inlet at all<br>hr x 2500 (LP) or ft <sup>3</sup> /hr x 1000 (NG). For Megajoule content, mt<br>D<br>ges<br>ges<br>1 2–1500 seconds<br>ty adjustable (brownout setting)<br>cise Set Error warning<br>cise Set Error warning<br>cition and Battery Condition indication<br>Over and Under Voltage Protection<br>er Overcurrent Protection<br>etion<br>Dil Temperature Shutdown<br>rpm Sense Loss Shutdown<br>rn | 87 (2.37) [8.99]<br>130 (3.56) [13.48]<br>Ioad ranges - 3.5–7 ir<br>Itiply m³/hr x 93.15 (L<br>Automati  | 142 (3.90) [14.77]<br>h water column (0.87-<br>P) or m³/hr x 37.26 (N<br>Simple us<br>c start on utility failure<br>ith starter control, unit<br>Stops unit. Power is<br>Standard<br>From<br>Cyclic cranking: 16 | 136 (3.74) [14.15]<br>1.74 kPa) for NG, 10-<br>G).<br>er interface for ease of<br>tweekly, Bi-weekly, of<br>stays on. If utility fails<br>removed. Control and<br>Standard<br>(programmable by de<br>n 140-171 V / 190-2<br>Standard<br>50 events each<br>sec on, 7 rest (90 sec<br>gage until 5 sec after<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard   | 142 (3.9<br>-12 in water column (<br>f operation.<br>or Monthly selectable<br>s, transfer to load takes<br>charger still operate.<br>saler only)<br>16 V<br>r maximum duration). | D) [14.77]<br>2.49–2.99 kPa) f<br>exerciser. |
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| Note: Fuel pipe must be sized f<br>gas. For BTU content, multiply ft <sup>3</sup> /<br>Controls<br>Two-line plain text multilingual LC<br>Mode buttons: AUTO<br>MANUAL<br>OFF<br>Ready to Run/Maintenance messa<br>Engine run hours indication<br>Programmable start delay betweer<br>Utility Voltage Loss/Return to Utili<br>Future Set Capable Exerciser/Exer<br>Run/Alarm/Maintenance logs<br>Engine start sequence<br>Starter lock-out<br>Smart Battery Charger<br>Charger Fault/Missing AC warning<br>Low Battery/Battery Problem Protee<br>Automatic Voltage Regulation with<br>Under-Frequency/Overload/Steppe<br>Safety Fused/Fuse Problem Protee<br>Automatic Low Oil Pressure/High<br>Overcrank/Overspeed (@ 72 Hz)//<br>High Engine Temperature Shutdow | ft <sup>3</sup> /hr (gal/hr) [L/hr]<br>1/2 Load<br>Full Load<br>or full load. Required fuel pressure to generator fuel inlet at all<br>hr x 2500 (LP) or ft <sup>3</sup> /hr x 1000 (NG). For Megajoule content, mt<br>D<br>ges<br>ges<br>1 2–1500 seconds<br>ty adjustable (brownout setting)<br>cise Set Error warning<br>cise Set Error warning<br>cition and Battery Condition indication<br>Over and Under Voltage Protection<br>er Overcurrent Protection<br>etion<br>Dil Temperature Shutdown<br>rpm Sense Loss Shutdown<br>rn | 87 (2.37) [8.99]<br>130 (3.56) [13.48]<br>Ioad ranges - 3.5–7 ir<br>Itiply m³/hr x 93.15 (L<br>Automati  | 142 (3.90) [14.77]<br>h water column (0.87-<br>P) or m³/hr x 37.26 (N<br>Simple us<br>c start on utility failure<br>ith starter control, unit<br>Stops unit. Power is<br>Standard<br>From<br>Cyclic cranking: 16 | 136 (3.74) [14.15]<br>1.74 kPa) for NG, 10-<br>G).<br>er interface for ease of<br>tweekly, Bi-weekly, of<br>stays on. If utility fails<br>removed. Control and<br>Standard<br>(programmable by de<br>n 140-171 V / 190-2<br>Standard<br>50 events each<br>sec on, 7 rest (90 sec<br>gage until 5 sec after<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard<br>Standard   | 142 (3.9<br>-12 in water column (<br>f operation.<br>or Monthly selectable<br>s, transfer to load takes<br>charger still operate.<br>saler only)<br>16 V<br>r maximum duration). | D) [14.77]<br>2.49–2.99 kPa) f<br>exerciser. |

Rating definitions - Optional Standby: Applicable for supplying backup power for the duration of the utility power outage with correct maintenance performed. No overload capability is available for this rating. (All ratings in accordance with BS5514, ISO3046, UL2200, and DIN6271). \* Maximum kilovolt amps and current are subject to and limited by such factors as fuel BTU/megajoule content, ambient temperature, altitude, engine power and condition, etc. Maximum power decreases approximately 3.5% for each 1,000 ft (304.8 m) above sea level; and also will decrease approximately 1% for each 10 °F (6 °C) above 60 °F (16 °C). \*\*Sound levels are taken from the front of the generator. Sound levels taken from other sides of the generator may be higher depending on installation parameters.

### 20/22/24 kW

#### **Service Rated Automatic Transfer Switch Features**

- Intelligently manages up to four air conditioner loads with no additional hardware.
- Up to eight additional large (240 VAC) loads can be managed when used in conjunction with Smart Management Modules (SMMs).
- Electrically operated, mechanically-held contacts for fast, clean connections.
- Main breakers are rated for 80% continuous load.
- 2-pole, 250 VAC contactors.
- Service equipment rated, dual coil design.
- Rated for both aluminum and copper conductors.
- Main contacts are silver plated or silver alloy to resist welding and sticking.
- NEMA/UL 3R aluminum outdoor enclosure allows for indoor or outdoor mounting flexibility.

#### Dimensions

|    | 200 Amps 120/240, 1ø<br>Open Transition Service Rated |       |       |       |       |
|----|---|-------|-------|-------|-------|
|    | He  | ight  | Wi    | Depth |       |
|    | H1  | H2    | W1    | W2    | Depui |
| in | 26.8  | 30.1  | 10.5  | 13.5  | 6.9   |
| cm | 67.95   | 76.43 | 26.67 | 34.18 | 17.5  |

| Wire Ranges   |              |            |
|---------------|--------------|------------|
| Conductor Lug | Neutral Lug  | Ground Lug |
| 250 MCM - #6  | 350 MCM - #6 | 2/0 - #14  |

#### G007039-1, G007039-3 (20 kW) Model G007043-10, G007043-11 (22 kW) G007210-10 (24 kW) No. of poles 2 200 Current rating (amps) 120/240, 1Ø Voltage rating (VAC) Utility voltage monitor (fixed)\* -Pick-up 80% -Dropout 65% Return to Utility\* Approx. 13 sec ETL or UL listed Standard Enclosure type NEMA/UL 3R Circuit breaker protected 22,000

GENERAC

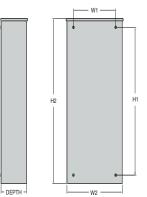
250 MCM - #6

**Switch Options** 

Lug range

\*Function of Evolution controller





# GENERAC

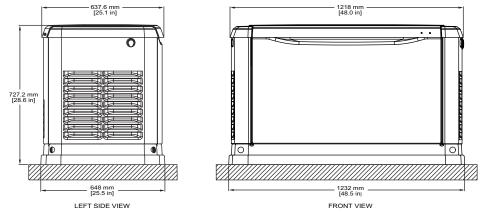
### 20/22/24 kW

6 of 6

| Model #  | Product  | Description   |
|--|--|---|
| G007101-0  | Battery Pad Warmer                               | Pad warmer rests under the battery. Recommended for use if temperature regularly falls below 0 $^{\circ}$ F (-18 $^{\circ}$ C). (Not necessary for use with AGM-style batteries).   |
| G007102-0  | Oil Warmer                                       | Oil warmer slips directly over the oil filter. Recommended for use if temperature regularly falls below 0 °F (-18 °C).  |
| G007103-1  | Breather Warmer                                  | Breather warmer is for use in extreme cold weather applications. For use with Evolution controllers only in climates where heavy icing occurs.  |
| G005621-0  | Auxiliary Transfer Switch<br>Contact Kit         | The auxiliary transfer switch contact kit allows the transfer switch to lock out a single large electrical load that may not be needed. Not compatible with 50 amp pre-wired switches.  |
| G007027-0 - Bisque                                   | Fascia Base Wrap Kit                             | The fascia base wrap snaps together around the bottom of 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.  |
| G005703-0 - Bisque                                   | Touch-Up Paint Kit                               | If the generator enclosure is scratched or damaged, it is important to touch up the paint to protect from future corrosion.<br>The touch-up paint kit includes the necessary paint to correctly maintain or touch up a generator enclosure.   |
| G006485-0  | Scheduled Maintenance Kit                        | Generac's scheduled maintenance kit provides all the items necessary to perform complete routine maintenance on a Generac automatic standby generator (oil not included).   |
| G007009-0  | LTE LP Tank Fuel Level<br>Monitor                | The LTE enabled LP tank fuel level monitor provides constant monitoring of the connected LP fuel tank. Monitoring the LP tank's fuel level is an important step in verifying the generator is ready to run during an unexpected power failure. Status alerts are available through a free application to notify users when the LP tank is in need of a refill.  |
| G007000-0 (50 amp)<br>G007006-0<br>(100 amp)         | Smart Management Module                          | Smart Management Modules (SMM) are used to optimize the performance of a standby generator. It manages large elec-<br>trical loads upon startup and sheds them to aid in recovery when overloaded. In many cases, using SMM's can reduce<br>the overall size and cost of the system.  |
| G007169-0 - 4G LTE<br>G007170-0 - Wi-Fi/<br>Ethernet | Mobile Link <sup>®</sup> Cellular<br>Accessories | The Mobile Link family of Cellular Accessories allow users to monitor generator status from anywhere in the world, using a smart phone, tablet, or PC. Easily access information such as the current operating status and maintenance alerts. Users can connect an account with an authorized service dealer for fast, friendly, and proactive service. With Mobile Link, users are taken care of before the next power outage. |
| G007220-0 - Bisque                                   | Base Plug Kit                                    | Base plugs snap into the lifting holes on the base of air-cooled home standby generators. This offers a sleek, contoured appearance, as well as offers protection from rodents and insects by covering the lifting holes located in the base. Kit contains four plugs, sufficient for use on a single air-cooled home standby generator.  |
| G007303-0 (20 kW)                                    | High Altitude Kit                                | A high altitude kit may be required when operating over 2,000 ft (610 m) above sea level per U.S. EPA regulations. Operating the engine with the incorrect engine configuration at a given altitude may increase emissions and decrease fuel efficiency and performance.  |

### **Dimensions & UPCs**

|         | 1150         |
|---------|--------------|
| Model   | UPC          |
| G007038 | 696471074185 |
| G007039 | 696471074192 |
| G007042 | 696471074208 |
| G007043 | 696471074215 |
| G007209 | 696471071511 |
| G007210 | 696471084801 |



Dimensions shown are approximate. See installation manual for exact dimensions. DO NOT USE THESE DIMENSIONS FOR INSTALLATION PURPOSES.

