

# 26 kW

## GUARDIAN® SERIES Residential Standby Generators Air-Cooled Gas Engine

### INCLUDES:

- True Power™ Electrical Technology
- Two-line multilingual digital LCD Evolution™ controller (English/Spanish/French/Portuguese)
- 200 amp service rated transfer switch available
- Electronic governor
- Standard Wi-Fi® connectivity
- System status & maintenance interval LED indicators
- Sound attenuated enclosure
- Flexible fuel line connector
- Natural gas or LP gas operation
- 5Year limited warranty
- Base fascia
- 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.

### STANDBY POWER RATING

G007290-0; G007291-0 (Aluminum-Bisque) – 26 kW 60 Hz



NOTE: Generator is certified for use in the US and Canada. See Transfer Switch section for the transfer switch certification details.

## 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.
- **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.
- **TEST CRITERIA:**
  - ✓ PROTOTYPE TESTED
  - ✓ SYSTEM TORSIONAL TESTED
  - ✓ NEMA MG1-22 EVALUATION
  - ✓ MOTOR STARTING ABILITY
- **MOBILE LINK® CONNECTIVITY:** FREE with select Guardian Series standby generators, Mobile Link Wi-Fi allows users to monitor the status of the generator from anywhere 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.
- **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. Digital voltage regulation at ±1%.
- **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.

THE GENERAC  
PROMISE



GENERAC  
Mobile Link™

**Engine**

- Generac G-Force design Maximizes engine “breathing” for increased fuel efficiency. Plateau honed cylinder walls and plasma moly rings help the engine run cooler, reducing oil consumption and supporting longer engine life.
- “Spiny-lok” cast iron cylinder walls Rigid construction and added durability help prolong engine life.
- Electronic ignition/spark advance These features combine to assure smooth, quick starting every time.
- Full pressure lubrication system Pressurized lubrication to all vital bearings facilitates better performance, less maintenance, and longer engine life. Featuring up to a 2 year/200 hour oil change interval.
- Low oil pressure shutdown system Shutdown protection helps to prevent catastrophic engine damage due to low oil.
- EPA Certified for non-emergency applications Allows unit to be used for demand response applications.
- High temperature shutdown Helps prevent damage due to overheating.

**Generator**

- Revolving field Allows for a smaller, light weight unit which operates 25% more efficiently than a revolving armature generator.
- Displaced phase excitation Maximizes motor starting capability.
- Automatic voltage regulation Regulating output voltage to ±1% prevents damaging voltage spikes.

**Transfer Switch (if applicable)**

- Fully automatic Transfers vital electrical loads to the energized source of power.
- NEMA & UL type 3R Can be installed inside or outside for maximum flexibility.
- Integrated load management technology Capability to manage additional loads for efficient power management.
- Remote mounting Mounts near an existing distribution panel for simple, low-cost installation.

**Evolution™ Controls**

- AUTO/MANUAL/OFF illuminated buttons Selects the operating mode and provides easy, at-a-glance status indication in any condition.
- Two-line multilingual LCD Provides homeowners easily visible logs of history, maintenance, and events up to 50 occurrences.
- Sealed, raised buttons Smooth, weather-resistant user interface for programming and operations.
- Utility voltage sensing Monitors utility voltage, setpoints 65% dropout, 80% pick-up, of standard voltage.
- Generator voltage sensing Monitors generator voltage to verify the cleanest power delivered to the home.
- Utility interrupt delay Prevents nuisance start-ups of the engine, adjustable 2–1,500 seconds from the factory default setting of 5 seconds by a qualified dealer.
- Engine warm-up Verifies 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 exercise Operates engine to prevent oil seal drying and damage between power outages by running the generator for 5 minutes every week. Also offers a selectable setting for weekly or monthly operation providing flexibility and potentially lower fuel costs to the owner.
- Smart battery charger Delivers charge to the battery only when needed at varying rates depending on outdoor air temperature. Compatible with AGM-style batteries.
- Electronic governor Maintains constant 60 Hz frequency.

**Unit**

- SAE weather protective enclosure  
Sound attenuated enclosure provides quiet operation and weather protection, 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.
- Enclosed muffler  
Quiet, critical grade muffler is mounted inside the unit.
- Small, compact, attractive  
Makes for an easy, aesthetically pleasing installation, as close as 18 in (457 mm) away from a structure. Must be located away from doors, windows, and fresh air intakes and in accordance with local codes.
- Main line circuit breaker  
Protects generator from overload.
- Listed to UL 2200  
For your safety.

**Installation System**

- 14 in (35.6 cm) flexible fuel line connector  
Listed ANSI Z21.75/CSA 6.27 outdoor appliance connector for the required connection to the gas supply piping.
- Integral sediment trap  
Meets IFGC and NFPA 54 installation requirements.

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

- Generator status  
Monitor the generator with a smartphone, tablet, or computer at any time via the Mobile Link application for complete peace of mind.
- Exercise/Run and Total Hours  
Review the generator's complete protection profile for exercise hours and total hours.
- Maintenance information  
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.
- Battery information  
Built in battery diagnostics displaying current state of the battery.
- Weather information  
Provides detailed local ambient weather conditions for generator location.

**Generator**

Model	G007290-0, G007291-0 (26 kW)
Maximum continuous power capacity (LP)	26,000 Watts*
Maximum continuous power capacity (NG)	22,500 Watts*
Rated voltage	240
Rated maximum continuous load current – LP / NG	108.3 / 93.8
Total Harmonic Distortion	Less than 5%
Main line circuit breaker	110 amp
Phase	1
Number of rotor poles	2
Rated AC frequency	60 Hz
Power factor	1.0
Battery requirement (not included)	12 volts, Group 26R 540 CCA minimum or Group 35AGM 650 CCA minimum
Unit weight (lb / kg)	518 / 235
Dimensions (L x W x H) in / cm	48 x 25 x 29 / 121.9 x 63.5 x 73.7
Sound output in dB(A) at 23 ft (7 m) with generator operating at normal load**	67
Sound output in dB(A) at 23 ft (7 m) with generator in Quiet-Test™ low-speed exercise mode **	57
Exercise duration	5 min

**Engine**

Engine type	GENERAC G-Force 1000 Series	
Number of cylinders	2	
Displacement	999cc	
Cylinder block	Aluminum w/ cast iron sleeve	
Valve arrangement	Overhead valve	
Ignition system	Solid-state w/ magneto	
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	ft <sup>3</sup> /hr (m <sup>3</sup> /hr)	
	1/2 Load	188 (5.32)
	Full Load	333 (9.43)
Liquid Propane	ft <sup>3</sup> /hr (gal/hr) [L/hr]	
	1/2 Load	75 (2.06) [7.78]
	Full Load	132 (3.63) [13.73]

Note: **Fuel pipe must be sized for full load.** Required fuel pressure to generator fuel inlet at all load ranges - 3.5–7 in water column (0.87–1.74 kPa) for NG, 10–12 in water column (2.49–2.99 kPa) for LP gas. For BTU content, multiply ft<sup>3</sup>/hr x 2,500 (LP) or ft<sup>3</sup>/hr x 1,000 (NG). For Megajoule content, multiply m<sup>3</sup>/hr x 93.15 (LP) or m<sup>3</sup>/hr x 37.26 (NG).  
 \*\*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. 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 kilovolt amps and current are subject to and limited by such factors as fuel BTU/megajoule content, ambient temperature, humidity, barometric pressure, 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).

**Controls**

Two-line plain text multilingual LCD	Simple user interface for ease of operation.
Mode buttons: AUTO	Automatic start on utility failure. Weekly, bi-weekly, or monthly selectable exerciser.
MANUAL	Start with starter control, unit stays on. If utility fails, transfer to load takes place.
OFF	Stops unit. Power is removed. Control and charger still operate.
Ready to Run/Maintenance messages	Standard
Engine Run Hours indication	Standard
Programmable start delay between 2–1,500 seconds	Standard (programmable by dealer only).
Utility Voltage Loss/Return to Utility adjustable (brownout setting)	From 140-171 V / 190-216 V
Future Set Capable Exerciser/Exercise Set Error warning	Standard
Run/Alarm/Maintenance logs	50 events each.
Engine start sequence	Cyclic cranking: 16 sec on, 7 rest (90 sec maximum duration).
Starter lock-out	Starter cannot re-engage until 5 sec after engine has stopped.
Smart battery charger	Standard
Charger Fault/Missing AC warning	Standard
Low Battery/Battery Problem Protection and Battery Condition indication	Standard
Automatic Voltage Regulation with Over and Under Voltage protection	Standard
Under-Frequency/Overload/Stepper Overcurrent protection	Standard
Safety Fused/Fuse Problem protection	Standard
Automatic Low Oil Pressure/High Oil Temperature shutdown	Standard
Overcrank/Overspeed (@ 72 Hz)/RPM Sense Loss shutdown	Standard
High Engine Temperature shutdown	Standard
Internal Fault/Incorrect Wiring protection	Standard
Common external fault capability	Standard
Field upgradable firmware	Standard

# Transfer Switch Specifications

## 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 type 3R aluminum outdoor enclosure allows for indoor or outdoor mounting flexibility.

## Dimensions

	Height		Width		Depth
	H1	H2	W1	W2	
in	26.8	30.1	10.5	13.5	6.9
cm	67.95	76.43	26.67	34.18	17.5

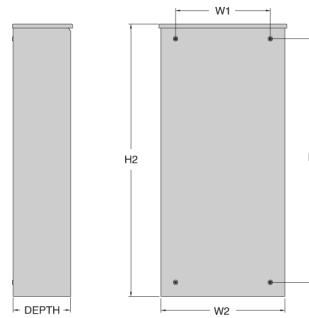
Wire Ranges		
Conductor Lug	Neutral Lug	Ground Lug
250 MCM - #6	350 MCM - #6	2/0 - #14

Model	G007291-0 (26 kW)
Part number	10000011659
No. of poles	2
Current rating (amps)	200
Voltage rating (VAC)	120/240, 1Ø
Utility voltage monitor (fixed)*	
-Pick-up	80%
-Dropout	65%
ETL certification	ETLus
Enclosure type	NEMA & UL type 3R
Circuit breaker protected	22,000 AIC
Lug range	250 MCM - #6 AWG

\*Function of Evolution controller

Exercise can be set to weekly, bi-weekly, or monthly

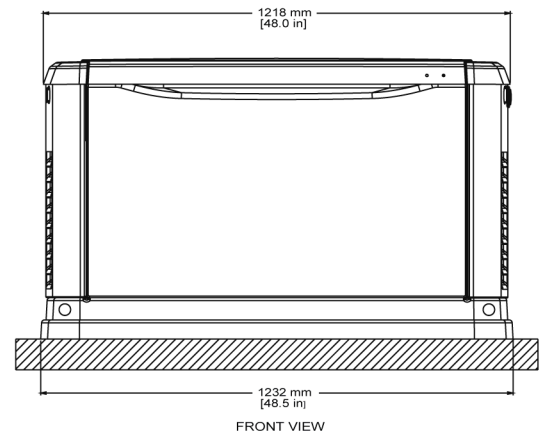
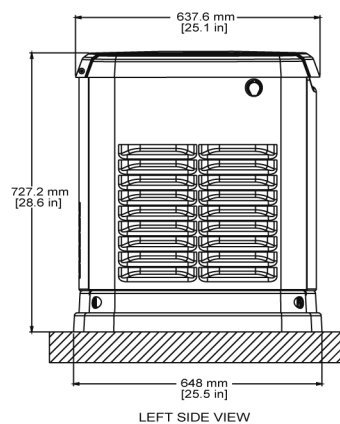
NOTE: The 200 amp service entrance rated transfer switches are certified for use in US only.



Model #	Product	Description
G007101-0	Battery Pad Heater	Battery pad heater rests under the battery. Recommended for use if temperature regularly falls below 0 °F (-18 °C). (Not necessary for use with AGM-style batteries).
G007102-0	Oil Heater	Oil heater slips directly over the oil filter. Recommended for use if temperature regularly falls below 0 °F (-18 °C).
G007103-1	Breather Heater	Breather heater is for use in extreme cold weather applications where heavy icing occurs. For use with Evolution controllers only in climates where heavy icing occurs.
G005621-0	Auxiliary Transfer Switch Contact Kit	The auxiliary transfer switch contact kit allows the transfer switch to lock out a single large electrical load which 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. 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 an air-cooled standby generator (oil not included).
G007009-0	LTE LP Tank Fuel Level 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) G007006-0 (100 amp)	Generac Load Manager	Generac Load Managers (LMs) are used to optimize the performance of a standby generator. They manage large electrical loads upon startup, and shed them to aid in recovery when overloaded. In many cases, using LMs can reduce the overall size and cost of the system.
G007215-0	Standby Generator Connectivity Accessories	The Generator Connectivity Accessory allows users to monitor generator status from anywhere with Mobile Link®. It also allows for a local Bluetooth® connection to Field Pro for local installation and service of the Next Generation Standby Generator. The accessory can connect through cellular or Wi-Fi for flexible, reliable monitoring, and dealer-connected support.
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.
G007301-0	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**

Model	UPC
G007290-0	696471087307
G007291-0	696471087314



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