

GUARDIAN[®] SERIES Residential Standby Generators Air-Cooled Gas Engine

G007171-0, G007172-0 (Aluminum - Bisque) - 10 kW 60 Hz

Standby Power Rating

1 of 6

INCLUDES:

True Power[™] Electrical Technology

10/14/18 kW

- Two-line multilingual digital LCD Evolution [™] controller (English/Spanish/French/Portuguese)
- Two transfer switch options available: 100 amp 16 circuit switch or 200 amp service rated smart switch
- 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
- 5 Year limited warranty
- Listed and labeled by the Southwest Research Institute allowing 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. https://assets.swri.org/library/DirectoryOfListedProducts/ ConstructionIndustry/973 DoC 204 13204-01-01 Rev9.pdf

G007223-0, G007224-0, G007225-0 (Aluminum - Bisque) – 14 kW 60 Hz G007226-0, G007228-0 (Aluminum - Bisque) – 18 kW 60 Hz



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 you need it 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.
- TEST CRITERIA:
 - PROTOTYPE TESTED
 - SYSTEM TORSIONAL TESTED
- ✓ NEMA MG1-22 EVALUATION ED ✓ MOTOR STARTING ABILITY
- MOBILE LINK[®] WI-FI CONNECTIVITY: FREE with select Guardian Series home 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 the GENERAC product line is offered with its own transfer systems and controls for total system compatibility.



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10/14/18 kW

Engine

- Generac G-Force design
- "Spiny-lok" cast iron cylinder walls
- Electronic ignition/spark advance
- Full pressure lubrication system
- Low oil pressure shutdown system
- High temperature shutdown

Generator

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

Transfer Switch (if applicable)

- Fully automatic
- NEMA 3R
- Remote mounting

Evolution™ Controls

- 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
- Main line circuit breaker
- Electronic governor

Unit

• SAE weather protective enclosure

Enclosed critical grade muffler

Small, compact, attractive

Can be installed inside or outside for maximum flexibility.

Transfers vital electrical loads to the energized source of power.

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

Select the operating mode and provide 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 is delivered to the home.

Prevents nuisance startups 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. 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.

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.

Features and Benefits

GENERAG

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.

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

Pressurized lubrication to all vital bearings means better performance, less maintenance, and longer

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

Maximizes motor starting capability.

Prevents damage due to overheating.

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

Rigid construction and added durability provide long engine life.

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

engine life. Now featuring up to a 2 year/200 hour oil change interval.

Shutdown protection prevents catastrophic engine damage due to low oil.

For your safety.

GENERAC

Features and Benefits

10/14/18 kW

Installation System

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

Connectivity

- Ability to view generator status
- Ability to view generator Exercise/Run and Total Hours
- Ability to view generator maintenance information
- Monthly report with previous month's activity
- Ability to view generator battery information
- Weather information

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.
- Monitor your generator with a smartphone, tablet, or computer at any time via the Mobile Link application for complete peace of mind.
- Review the generator's complete protection profile for exercise hours and total hours.
- Provides maintenance information for your specific model generator when scheduled maintenance is due.
- Detailed monthly reports provide historical generator information.
- Built in battery diagnostics displaying current state of the battery.
- Provides detailed local ambient weather conditions for generator location.

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10/14/18 kW

GENERAC

Specifications

Aodel	0007171 0 0007170 0	0007000 0 0007004 0	0007006 0 000700
	G007171-0, G007172-0	G007223-0, G007224-0,	G007226-0, G00722
	(10 kW)	G007225-0 (14 kW)	(18 kW)
Rated maximum continuous power capacity (LP)	10,000 Watts*	14,000 Watts*	18,000 Watts*
ated maximum continuous power capacity (NG)	9,000 Watts*	14,000 Watts*	17,000 Watts*
ated voltage		240	
tated maximum continuous load current – 240 volts (LP/NG)	41.7 / 37.5	58.3 / 58.3	75.0 / 70.8
otal Harmonic Distortion		Less than 5%	
Aain line circuit breaker	45 Amp	60 Amp	80 Amp
hase		1	
lumber of rotor poles		2	
lated AC frequency		60 Hz	
'ower factor		1.0	
lattery requirement (not included)	12 Volts Group 26B F	40 CCA Minimum or Group 35AGI	V 650 CCA Minimum
Init weight (Ib/kg)	338/153	385/175	420/191
5 (·		48 x 25 x 29 / 121.9 x 63.5 x 73.7	420/191
imensions (L x W x H) in / cm			05
ound output in dB(A) at 23 ft (7 m) with generator operating at normal load**	61	65	65
ound output in dB(A) at 23 ft (7 m) with generator in Quiet-Test™ low-speed exercise mode**	57	55	55
xercise duration		5 min	
Engine			
ingine type	GENERAC G-Force 400 Series	GENERAC G-E	orce 800 Series
lumber of cylinders	1		2
,	460 cc		2 5 cc
Visidae klaat	400 00		1.00
ylinder block		Aluminum w/ cast iron sleeve	
alve arrangement		Overhead valve	
ifter type	Solid	Hydr	aulic
gnition system		Solid-state w/ magneto	
Governor system		Electronic	
Compression ratio		9.5:1	
Starter		12 VDC	
Dil capacity including filter	Approx. 1.1 qt / 1.0 L	Approx. 2.1	2 at / 2 1 l
Derating rpm	Approx. III dt/ IIe 2	3.600	- 417 - 11 -
		5,000	
uel consumption Iatural Gas ft³/hr (m³/hr)			
1/2 Load	101 (2.86)	195 (5.52)	169 (4.79)
Full Load	127 (3.60)	256 (7.25)	247 (6.99)
	· · · ·	· · ·	. ,
iquid Propane ft ³ /hr (gal/hr) [L/hr]			
iquid Propane ft ³ /hr (gal/hr) [L/hr] 1/2 Load	36 (0.97) [3.66]	65 (1.81) [6.87]	62 (1.70) [6.45]
	36 (0.97) [3.66] 54 (1.48) [5.62]	65 (1.81) [6.87] 112 (3.07) [11.61]	62 (1.70) [6.45] 110 (3.02) [11.44]
1/2 Load	54 (1.48) [5.62]	112 (3.07) [11.61]	110 (3.02) [11.44]
1/2 Load Full Load Iote: Fuel pipe must be sized for full load. Required fuel pressure to generator fuel inlet at all loa	54 (1.48) [5.62] ad ranges - 3.5–7.0 in water column (0.8	112 (3.07) [11.61] 37–1.74 kPa) for NG, 10–12 in wat	110 (3.02) [11.44]
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1/2 Load Full Load Full Load Idee: Fuel pipe must be sized for full load. Required fuel pressure to generator fuel inlet at all load as. For BTU content, multiply ft ³ /hr x 2,500 (LP) or ft ³ /hr x 1,000 (NG). For Megajoule content, multiply Controls wo-line plain text multilingual LCD Mode buttons: AUTO MANUAL OFF eady to Run/Maintenance messages ngine run hours indication rogrammable start delay between 2–1500 seconds tility voltage loss/Return to utility adjustable (brownout setting) uture set capable exerciser/Exercise set error warning un/Alarm/Maintenance logs ngine start sequence tarter lock-out mart Battery Charger sharger Fault/Missing AC Warning ow Battery/Battery Problem Protection and Battery Condition Indication utomatic Voltage Regulation with Over and Under Voltage Protection Inder-Frequency/Overload/Stepper Overcurrent Protection afety Fused/Fuse Problem Protection utomatic Low Oil Pressure/High Oil Temperature Shutdown vercrank/Overspeed (@ 72 Hz)/rpm Sense Loss Shutdown ligh Engine Temperature Shutdown	54 (1.48) [5.62] ad ranges - 3.5–7.0 in water column (0.6 tiply m³/hr x 93.15 (LP) or m³/hr x 37.26 Sim Automatic start on utility Start with starter contro Stops unit. Pov Stap Sta	112 (3.07) [11.61] 37–1.74 kPa) for NG, 10–12 in wat 5 (NG). 20le user interface for ease of operat failure. Weekly, Bi-Weekly, or Mon I, unit stays on. If utility fails, trans wer is removed. Control and charge Standard Standard ndard (programmable by dealer on From 140-171 V / 190-216 V Standard 50 events each 16 sec on, 7 sec rest (90 sec max re-engage until 5 sec after engine Standard	110 (3.02) [11.44] er column (2.49–2.99 kPa ion. thly selectable exerciser. fer to load takes place. er still operate. ly)
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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, IS03046, 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 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.

10/14/18 kW

Limited Circuits Switch Features

- 16 space, 24 circuit. Breakers not included.
- Electrically operated, mechanically-held contacts for fast, positive connections.
- Rated for all classes of load, 100% equipment rated, both inductive and resistive.
- 2-pole, 250 VAC contactors.
- 30 millisecond transfer time.
- Dual coil design.
- Rated for both copper and aluminum 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.
- Multi listed for use with 1 in standard, tandem, GFCI, and AFCI breakers from Siemens, Murray, Eaton, and Square D for the most flexible and cost effective install.

Dimensions

	Heiç	Height Width		Depth	
	H1	H2	W1	W2	Depin
in	26.75	30.1	10.5	13.5	6.91
cm	67.94	76.43	26.67	34.18	17.54

Wire Ranges		
Conductor Lug	Neutral Lug	Ground Lug
2/0 - #14	2/0 - #14	2/0 - #14

Service Rated Smart Switch Features

- Includes Smart A/C Management (SACM) module standard.
- Intelligently manages up to four air conditioner loads with no additional hardware.
- Up to eight large (240 VAC) loads can be managed with Smart Management Modules (SMMs).
- Electrically operated, mechanically-held contacts for fast, clean connections.
- Rated for all classes of load, 100% equipment rated, both inductive and resistive.
- 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 Open Transition Service Rated				
	Height Width		Depth		
	H1	H2	W1	W2	Depui
in	26.75	30.1	10.5	13.5	6.3
cm	67.94	76.45	26.67	34.3	16.01

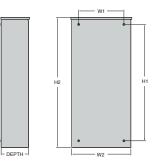
Wire Ranges		
Conductor Lug	Neutral Lug	Ground Lug
400 MCM - #4	350 MCM - #6	2/0 - #14

Model	G007172-0 (10 kW)	G007224-0 (14 kW)
No. of poles	2	
Current rating (amps)	100	
Voltage rating (VAC)	120 / 240	, 1Ø
Utility voltage monitor (fixed)* -Pick-up -Dropout	80% 65%	
Return to utility*	Approx. 15	i sec
Exercises bi-weekly for 5 minutes*	Standar	d
ETL or UL Listed	Standar	ď
Total circuits available	24	
Tandem breaker capabilities	8 tander	ns
Circuit breaker protected Available RMS Symmetrical	10,000)

*Function of Evolution controller

Fault Current @ 250 Volts

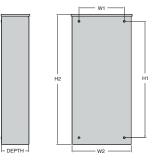
Exercise can be set to weekly or monthly



Model	G007225-0 (14 kw)	G007228-0 (18 kW)
No. of poles	2	2
Current rating (amps)	20	00
Voltage rating (VAC)	120/24	40, 1Ø
Utility voltage monitor (fixed)* <i>-Pick-up</i> -Dropout	80 65	-
Return to utility*	15	sec
Exercises bi-weekly for 5 minutes*	Standard	
ETL or UL Listed	Standard	
Enclosure type	NEMA	/UL 3R
Circuit breaker protected	22,	000
Lug range	250 MC	M - #6

*Function of Evolution Controller

Exercise can be set to weekly or monthly



GENERA

Switch Options

GENERAC

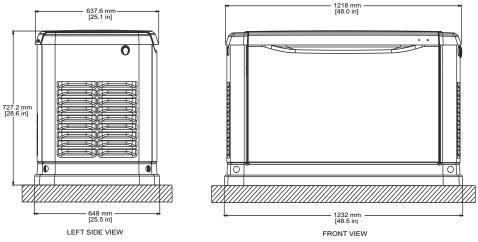
10/14/18 kW

Dimensions & UPCs

6 of 6

Model #	Product	Description
G005819-0	26R Wet Cell Battery	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 (excluding PowerPact [®]).
G007101-0	Battery Pad Warmer	The pad warmer rests under the battery. Recommended for use if the temperature regularly falls below 0 °F (-18 °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 the temperature regularly falls below 0 °F (-18 °C).
G007103-1	Breather Warmer	The 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 Contact Kit	The auxiliary transfer switch contact kit allows the transfer switch to lock out a single large electrical load you may not need. 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, con- toured 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.
G006482-0 – 10 kW G007216-0 – 14 / 18 kW	Scheduled Maintenance Kit	Generac's scheduled maintenance kits provide all the items necessary to perform complete routine maintenance on a Generac automatic standby generator (oil not included).
G007005-0	Wi-Fi LP Fuel Level Monitor	The Wi-Fi enabled LP 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 amps) G007006-0 (100 amps)	Smart Management Module	Smart Management Modules (SMM) are used to optimize the performance of a standby generator. It manages large electrical loads upon startup and sheds them to aid in recovery when overloaded. In many cases, using SMM's can reduce the overall size and cost of the system.
G007169-0 (4G LTE) G007170-0 (Wi-Fi/Ether- net)	Mobile Link [®] Cellular Accessories	The Mobile Link family of Cellular Accessories allow 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 with an authorized service dealer for fast, friendly, and proactive service. With Mobile Link, users are taken care of before the next power outage.

Model	UPC
G007171-0	696471074680
G007172-0	696471074673
G007223-0	696471082548
G007224-0	696471082555
G007225-0	696471082562
G007226-0	696471082579
G007228-0	696471082586



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





26R Wet Cell Battery

STANDBY GENERATOR ACCESSORIES

Model 5819-0



DESCRIPTION

Every standby generator requires a battery to start the system. In efforts to achieve the easiest generator installation, Generac offers the recommended 26R, wet cell battery applicable for virtually all residential Generac standby generators.

*For use with all air-cooled standby product and liquid-cooled standby product 60kW and below, excluding the QT4842.





QwikPad[®] for Generators Rated for 180 mph Hurricane Winds

a lightweight, easy-to-install generator pad that meets wind loading requirements of 180 MPH and Higher? Sto

QwikPad[®] for Generators

and other Patents Pending



Rated for winds in excess of 180 MPH and exceeds **Miami-Dade hurricane** requirements.

UV-resistant, highdurability construction is lightweight for shipping and 1-man handling but once filled, more than 50 lbs heavier than competitor's concrete pads.

Contains a unique gelling agent that forms a solidus gel and provides freeze protection.

Includes corrosion-resistant stainless steel mounting hardware specific to the mounted generator model.

Water Fill Plug



QwikPad[®] for Generators Rated for 180 mph Hurricane Winds

OwikPad[®] for Generators

The Florida Building Code compliant generator support pad is lightweight when purchased, but weighs enough to meet code requirements of **180 mph** + wind loading when filled with water and secured with stainless steel mounting bolts (supplied). Each pad includes a unique gelling agent that, once water is added, forms a solidus gel.

FLORIDA BUILDING CODE NOTICE

This product meets the following building code requirements:

- 1. Mechanical Vol., Sect. 304.10 Clearances from Grade This product provides 5" of clearance above adjoining grade.
- 2. Mechanical Vol., Sect. 301.15 Wind resistance Load combinations in accordance with the Florida Building Code, Building Vol. Ch. 16 and ASCE 7 – Ch. 2.

Wind pressure calculations performed per Florida Building Code- Ch. 16 and ASCE 7 - Ch. 29. For the most up-to-date documentation, visit our website, www.gwik.com/gwikpad4gen or call 1-800-866-3550.

Florida Product Approval #FL27646

This product has been tested by a nationally recognized, independent research and development laboratory and deemed compliant with Section 4.1.4 and Section A.4.1.4.1.2 of the Annex of NFPA 37 (2018), Standard for the Installation and Use of Stationary Combustion Engines and Gas Turbines.

Qwik Pad ® for Generators P/N	Description of Generator Model to be mounted
QT8200	Universal Pad (includes hardware for Generac/Honeywell, and Kohler)
QT8210	For Briggs and Stratton® 17/20 kW Steel Enclosure Generators (hardware included)
QT8220	For Briggs and Stratton [®] 20 kW Aluminum Enclosure Generators (hardware included)
QT8230	For Generac/Honeywell® 9-24 kW Generators (hardware included)
QT8240	For Kohler [®] 14/20 kW RES/RCA Generators (hardware included)

For more details or information about the Owik**Pad**[®] for **Generators** visit www.qwik.com/qwikpad4gen/ or email info@qwik.com

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