

## 20 kW Air-Cooled Generator Sets

### Standby Power Rating

G007063-0 (Steel – Dark Gray) – 20 kW 60 Hz (US)\*\*

G007063-1, G007063-2 (Aluminum – Dark Gray) – 20 kW 60 Hz (US)\*\*

G007064-0 (Steel – Dark Gray) – 20 kW 60 Hz (Canada)

G007064-1, G007064-2 (Aluminum – Dark Gray) – 20 kW 60 Hz (Canada)

### INCLUDES

- **Innovative engine design and rigorous testing:** Honeywell generators use Generac's industry leading G-Force engine lineup for added peace of mind and reliability for when you need it most. The G-Force series of engines are purpose built and designed to handle the rigors of extended run times in high temperatures and extreme operating conditions.
- **PrecisionPower™ 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 and microchip based appliances, such as variable speed HVAC.
- **Solid-State, Frequency Compensated Voltage Regulation:** This state-of-the-art, power maximizing regulation system is the standard on all Honeywell 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  $\pm 1\%$ .
- **Mobile Link® Wi-Fi Connectivity:** Honeywell standby generators are Wi-Fi enabled. Now users can remotely connect and monitor status on a smartphone, tablet, or PC from anywhere in the world using Mobile Link's free service.
- **Honeywell Transfer Switches:** The Honeywell generator line is offered with its own transfer systems and controls for total system compatibility.
- **18 in (457 mm) Offset:** 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.



## FEATURES & BENEFITS

- |   |  |  |   |  |
|---|--|--|---|--|
| <ul style="list-style-type: none"><li>• PrecisionPower™ Electrical Technology</li><li>• Two-line multilingual digital LCD controller (English, Spanish, French, Portuguese)</li><li>• Wi-Fi™ connectivity available on ~1/-2 models</li></ul> | <ul style="list-style-type: none"><li>• Electronic governor</li><li>• 200 amp service rated Sync™ switch</li><li>• System and status &amp; maintenance interval LED indicators</li></ul> | <ul style="list-style-type: none"><li>• Flexible fuel line connector</li><li>• WhisperCheck™ exercise</li><li>• Sound attenuated enclosure</li></ul> | <ul style="list-style-type: none"><li>• Natural Gas or LP Gas operation</li><li>• 3 Year premium limited warranty</li><li>• Capability to be installed within 18 in (457 mm) of a building*</li></ul> | <p>* Only if located away from doors, windows, and fresh air intakes, unless otherwise directed by local codes.</p> <p>** US version is ETL or UL listed only.</p> |
|---|--|--|---|--|

# 20 kW Standby Generator Technical Specifications

## ENGINE

**WhisperCheck™ Exercise:** Greatly reduces sound output and fuel consumption during selectable exercise.

**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 resulting in longer engine life.

**"Spiny-lok" cast iron cylinder walls:** Rigid construction and added durability provide long engine life.

**Electronic ignition/spark advance:** These features combine to assure smooth, quick starting every time.

**Full pressure lubrication system:** 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.

**Low oil pressure shutdown system:** Shutdown protection prevents catastrophic engine damage due to low oil.

**High temperature shutdown:** Prevents damage due to overheating.

## GENERATOR

**Test criteria:** Prototype tested; system torsional tested; NEMA MG1-22 evaluation; motor starting ability.

**Revolving field:** Allows for a smaller, light weight unit that operates 25% more efficiently than a revolving armature generator.

**Skewed stator:** Produces a smooth output waveform for compatibility with electronic equipment.

**Displaced phase excitation:** Maximizes motor starting capability.

**Automatic voltage regulation:** Regulating output voltage to  $\pm 1\%$  prevents damaging voltage spikes.

**UL 2200 listed:** For your safety.

## TRANSFER SWITCH

**Fully automatic:** Transfers vital electrical loads to the energized source of power.

**NEMA 3R:** Can be installed inside or outside for maximum flexibility.

**Remote mounting:** Mounts near an existing distribution panel for simple, low-cost installation.

## MOBILE LINK® WI-FI CONNECTIVITY

**Ability to view generator status:** Monitor the 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.

**Ability to view generator 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.

**Ability to view generator battery information:**

Built-in battery diagnostics display current state of the battery.

**Weather information:** Provides detailed local ambient weather conditions for the generator's location.

## SYNC™ 3.0 CONTROLS

**AUTO/MANUAL/OFF illuminated buttons:** Select the operating mode and provide easy, at-a-glance status indication of any condition.

**Two-line plain text multilingual LCD:** Provides homeowners with 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:** Constantly monitors utility voltage, setpoints 65% dropout, 80% pick-up of standard voltage.

**Generator voltage sensing:** Constantly monitors generator voltage to verify the cleanest power is delivered to the home.

**Utility interrupt delay:** Prevents nuisance start-ups of the engine. Adjustable 2–1500 seconds by a qualified dealer (five second factory default).

**Engine warm-up:** Verifies engine is ready to assume load; setpoint approximately one minute.

**Programmable exerciser:** Operates engine to prevent oil seal drying and damage between power outages by running the generator for five minutes every other week. Also offers a selectable setting for weekly or monthly operation, providing flexibility and 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 lead acid and AGM-style batteries.

**Electronic governor:** Maintains constant 60 Hz frequency.

## UNIT

### SAE aluminum weather protective enclosure

**(-1/-2 models only):** Sound attenuated enclosure provides quiet operation and weather protection, able to withstand winds up to 150 mph (241 km/h). Hinged key locking roof panel for security. Lift-out front panel for easy access to all routine maintenance items. Electrostatically applied textured epoxy paint for added durability.

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

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

# 20 kW Standby Generator Technical Specifications

## 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.

## 20 KW GENERATOR

**Rated maximum continuous power capacity (LP):** 20,000 watts

**Rated maximum continuous power capacity (NG):** 18,000 watts

**Rated voltage:** 240

**Rated maximum continuous load current – 240V (LP/NG):** 83.3/75

**Total Harmonic Distortion:** Less than 5%

**Main line circuit breaker:** 90 amp

**Phase:** 1

**Number of rotor poles:** 2

**Rated AC frequency:** 60 Hz

**Power factor:** 1.0

**Battery requirement (not included):** 12V, Group 26R 540 CCA Minimum, or Group 35AGM 650 CCA

**Unit weight (aluminum) (lb/kg):** 448/203

**Unit weight (steel) (lb/kg):** 474/215

**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 operating in WhisperCheck™ Low-Speed Exercise Mode\*\*:** 55

**Exercise duration:** 5 minutes

\*\* 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 definition—Standby: Applicable for supplying emergency power for the duration of the utility power outage. No overload capacity is available for this rating. (All ratings in accordance with BS5514, ISO3046, and DIN6271). \*Maximum wattage and current are subject to and limited by factors such 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).

## ENGINE

**Engine type:** Generac G-Force 1000 Series

**Number of cylinders:** 2

**Displacement:** 999 cc

**Cylinder block:** Aluminum with cast iron sleeve

**Valve arrangement:** Overhead valve

**Ignition state:** Solid-state with 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)

**Half load:** 204 (5.78)

**Full load:** 301 (8.52)

**Fuel consumption – Liquid Propane:** ft<sup>3</sup>/hr (gal/hr) [L/hr]

**Half load:** 87 (2.37) [8.99]

**Full load:** 130 (3.56) [13.48]

Note: Fuel pipe must be sized for full load. Required fuel pressure to generator fuel inlet – 3.5–7.0 in water column (0.87–1.74 kPa) for NG, and 10–12 in water column (2.49–2.99 kPa) for LP gas. For BTU content, multiply ft<sup>3</sup>/hr x 2500 (LP) or ft<sup>3</sup>/hr x 1000 (NG). For Megajoule content, multiply m<sup>3</sup>/hr x 93.15 (LP) or m<sup>3</sup>/hr x 37.26 (NG).

## CONTROLS

**Two-line plain text multilingual LCD:** Simple user interface for ease of operation.

**Mode buttons:**

**AUTO:** Automatic start on utility failure. Programmable exercise.

**MANUAL:** Start with starter control, unit stays on. If utility fails, transfer of load takes place.

**OFF:** Stops unit. Power is removed, but controller and charger still operate.

**Ready to Run/Maintenance messages:** Standard

**Engine Run Hours indication:** Standard

**Programmable start delay between 2–1500 seconds:** Standard (dealer programmable 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 seconds on, 7 seconds rest (90 seconds maximum duration).

**Starter Lock-out:** Starter cannot engage until five seconds 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

**Safety Fused/Fuse Problem protection:** Standard

**Under-Frequency/Overload/Stepper Overcurrent protection:** Standard

**Automatic Low Oil Pressure/High Oil**

**Temperature shutdown:** Standard

**Overcrank/Overspeed (at 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

# 20 kW Standby Generator Technical Specifications

## SERVICE RATED SMART SWITCH FEATURES (US)

- Includes Digital Power Management Technology standard (DPM).
- Intelligently manages up to four air condition loads with no additional hardware.
- Up to eight more 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.
- 2-pole, 250 VAC contactors.
- Service equipment rated, dual coil design.
- Rated for both aluminum and copper conductors.
- NEMA/UL 3R (indoor/outdoor rated) aluminum enclosure standard.
- Main contacts are silver plated or silver alloy to resist welding and sticking.

G007063-0/-1/-2	
NO. OF POLES	2
CURRENT RATING (AMPS)	200
VOLTAGE RATING (VAC)	120/240, 1Ø
UTILITY VOLTAGE MONITOR (FIXED)* -Pick-up -Dropout	80% 65%
RETURN TO UTILITY*	Approx. 15 seconds
EXERCISE WEEKLY FOR 5 MINUTES**	Standard
ETL OR UL LISTED	Standard
ENCLOSURE TYPE	NEMA/UL 3R
WITHSTAND RATING (AMPS)	22,000
LUG RANGE	250 MCM – #6

\*Function of Sync controller  
Exercise can be set to weekly or monthly

## CSA SWITCH FEATURES (CANADA)

- 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.
- 160 millisecond transfer time.
- Dual coil design.
- Main contacts are silver plated or silver alloy to resist welding and sticking.
- NEMA/UL 3R (indoor/outdoor rated) aluminum enclosure is standard.

G007064-0/-1/-2	
NO. OF POLES	2
CURRENT RATING (AMPS)	200
VOLTAGE RATING (VAC)	250
UTILITY VOLTAGE MONITOR (FIXED)* -Pick-up -Dropout	80% 65%
RETURN TO UTILITY*	Approx. 15 seconds
EXERCISE WEEKLY FOR 5 MINUTES**	Standard
ETL OR UL LISTED	Standard
ENCLOSURE TYPE	NEMA/UL 3R
WITHSTAND RATING (AMPS)	22,000
LUG RANGE	250 MCM – #6

\*Function of Sync controller  
Exercise can be set to weekly or monthly

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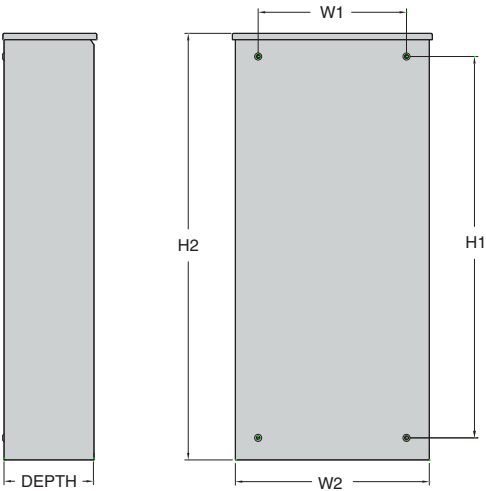
## Transfer Switch Dimensions

### G007063-0/-1/-2

200 Amps 120/240, 1ø Open Transition Service Rated					
	HEIGHT		WIDTH		DEPTH
	H1	H2	W1	W2	
in	27.24	30.0	11.4	13.5	7.09
cm	69.19	76.2	28.96	34.3	18.0

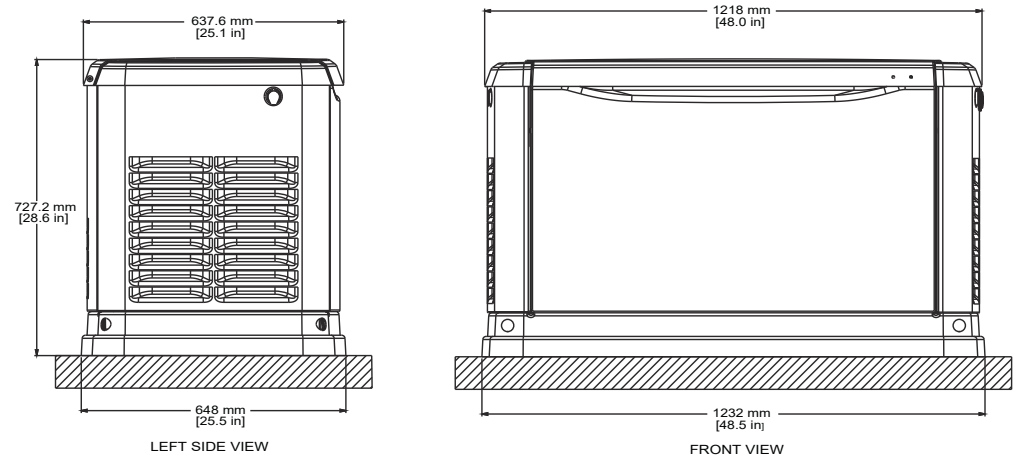
### G007064-0/-1/-2

200 Amps 120/240, 1ø Open Transition Service Rated					
	HEIGHT		WIDTH		DEPTH
	H1	H2	W1	W2	
in	26.0	30.0	12.5	16.0	7.1
cm	66.0	76.2	31.8	40.6	18.0



## Dimensions and UPCs

MODEL	UPC
G007063-0, G007063-1	696471070637
G007063-2	696471074260
G007064-0, G007064-1	696471070644
G007064-2	696471074277



## 20 kW Standby Generator Available Accessories

MODEL #	PRODUCT	DESCRIPTION
G005819-0	26R Wet Cell Battery	Every standby generator requires a battery to start the system. The recommended 26R wet cell battery is for use with all air-cooled standby products.
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	The 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 Sync™ 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 that may not be needed.
G006160-0	Touch-Up Paint Kit	If the generator enclosure is scratched or damaged, it is important to touch-up the paint to protect it from future corrosion. The touch-up paint kit includes the necessary paint to correctly maintain or touch-up a generator enclosure.
G007216-0	Scheduled Maintenance Kit	Scheduled maintenance kits provide all the items necessary to perform complete routine maintenance on a Honeywell automatic standby generator (oil not included).
G007001-0 (50 AMP) G007006-0 (100 AMP)	Smart Management Module	Smart Management Modules (SMM) 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 SMM's can reduce the overall size and cost of the system.
G007005-0	Wi-Fi™ LP Tank Fuel Level Monitor	The Wi-Fi enabled LP tank fuel level monitor provides constant monitoring of the connected LP fuel tank. Monitoring the LP tank 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 fuel tank is in need of a refill.
G007169-0	Mobile Link® 4G LTE Cellular Accessory	Mobile Link 4G LTE Cellular Accessory 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 with an authorized service dealer for fast, friendly, and proactive service. With Mobile Link, users are taken care of before the next power outage.

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