

# 12kW<sup>1</sup> Fortress™ Standby Generator



## FORTRESS™ The Smart Choice

Introducing our dealer exclusive line.  
Available at your local Briggs & Stratton  
Dealer with these great features:

6  
YEAR

10  
YEAR

Parts • Labor • Travel  
Limited  
Warranty<sup>4</sup>

### Space Saving Design

- 50% smaller than our previous 12kW generator

### 60% Quieter

- 60% quieter than our previous 12kW

### Designed for Easy Installation & Maintenance

- Easy to move into installation location with two-wheel dolly
- Approved for installation as close as 18" to a building<sup>2</sup>
- Removable roof and side panels provide better service access to the engine and alternator

### Symphony® II Power Management System

- Customizable to your home's needs
- Automatically balances the power of your home's electrical load including high wattage items like air conditioning units and electric ovens
- Offers whole house power with a more affordable home generator

### Commercial-Grade Vanguard® Engine

- Powerful V-Twin OHV engine
- Easy conversion between natural gas (NG) and liquid propane vapor (LPV) during installation

### Quality Clean Power

- Ensures your electronics are safely powered

### Corrosion Resistant Enclosure & Base

- Made with automotive grade galvanized steel to resist rust
- Powder-coated paint for years of protection against chips and abrasions
- Certified to withstand hurricane-force winds up to 175mph<sup>5</sup>

### Briggs & Stratton® Full Synthetic Generator Oil

- Shields the engine from low temperature sludge buildup and high temperature deposits
- Reduces engine wear, scuffing and abrasion
- Enhanced cold weather start-up protection to -20°F

### Generator Set Rating

Model	Enclosure Type	Voltage	Phase <sup>3</sup>	Hz	Circuit Breaker Amps	Liquid Propane Vapor		Natural Gas		Limited Warranty <sup>4</sup>
						LPV kW <sup>1</sup>	LPV Amps	NG kW <sup>1</sup>	NG Amps	Parts, Labor, Travel
040546	Galvanneal	120/240	1	60	60	12	50	10.8	45.8	6 Year
040579	Galvanneal	120/240	1	60	60	12	50	10.8	45.8	10 Year

<sup>1</sup> This generator is certified in accordance with UL (Underwriters Laboratories) 2200 (stationary engine generator assemblies) and CSA (Canadian Standards Association) standard C22.2 No. 100-14 (motors and generators).

<sup>2</sup> The installation manual contains specific instructions related to generator placement in addition to NFPA 37, including the requirement that carbon monoxide detectors be installed and maintained in your home.

<sup>3</sup> Single phase units are rated at 1.0 power factor and three phase units are rated at 0.8 power factor.

<sup>4</sup> See operator's manual or BRIGGSandSTRATTON.com for complete warranty details.

<sup>5</sup> When installed in accordance with the installation manual.



**Engine Specifications**

Engine	
<b>Engine Brand</b>	Vanguard®
<b>Engine Speed (RPM)</b>	3600
<b>Engine Fuel</b>	Liquid Propane Vapor (LPV) or Natural Gas (NG)
<b>Engine Cylinder Configuration</b>	OHV
<b>Number of Cylinders</b>	2
<b>Displacement (cc)</b>	627
<b>Compression Ratio</b>	8.3:1
<b>Governor Type</b>	Electronic
<b>Frequency Regulation</b>	+/- 1 Hz
<b>Valves</b>	OHV with Hardened Seats
<b>Ignition System</b>	Fixed Timing Magnetron Electric Ignition
<b>Starter Motor Rating Voltage</b>	12 Volt
<b>Battery Required</b>	12 Volt, Group BCI 26 or 51, 540 CCA Minimum

Lubrication	
<b>Oil Capacity (oz)</b>	42-45
<b>Lubrication System</b>	Full Pressure
<b>Recommended Oil</b>	5W30 Full Synthetic
Alternator Specs	
<b>Manufacturer</b>	Mecc Alte
<b>Type</b>	Self-Excited, Rotation Field
<b>Voltage Regulator</b>	Brushless
<b>Insulation</b>	Class H
Controller Features	
<b>Hour Meter</b>	Yes
<b>LED Digital Display</b>	Yes
<b>Fault Code Display</b>	Yes
<b>Weekly Exerciser</b>	Yes
<b>Low Oil Pressure Shutdown</b>	Yes
<b>High Temperature Shutdown</b>	Yes

**Operations**

Fuel Consumption <sup>2</sup>				Sound Rating At 7 Meters
	Full Load	1/2 Load	No Load	69 dBA <sup>4</sup>
<b>BTU/hr</b>	NG - 172,000 LPV - 209,000	NG - 117,000 LPV - 155,000	NG - 66,000 LPV - 57,000	
<b>ft<sup>3</sup>/hr</b>	NG - 171.6 LPV - 83.3	NG - 116.9 LPV - 61.8	NG - 66 LPV - 22.6	
<b>m<sup>3</sup>/hr</b>	NG - 4.87 LPV - 2.37	NG - 3.31 LPV - 1.76	NG - 1.87 LPV - 0.65	



Parts • Labor • Travel  
Limited  
Warranty<sup>3</sup>

Unlike other standby generator manufacturers, our warranty covers **parts, labor AND travel for the full length of the warranty** with no start-up costs!

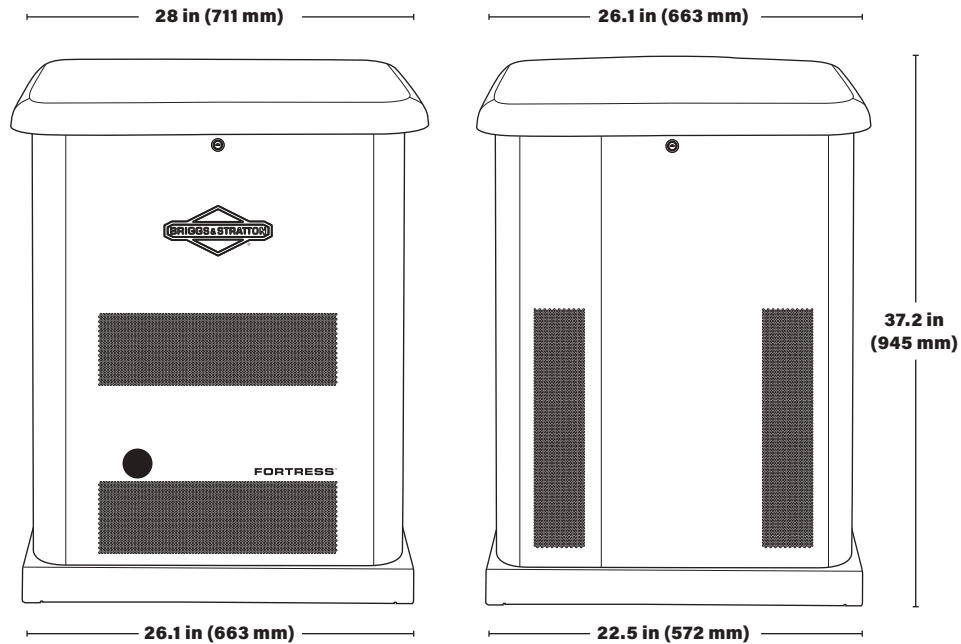
<sup>1</sup> This generator is certified in accordance with UL (Underwriters Laboratories) 2200 (stationary engine generator assemblies) and CSA (Canadian Standards Association) standard C22.2 No. 100-14 (motors and generators).  
<sup>2</sup> Fuel consumption rates are estimated based on normal operating conditions at 1/2 load. Generator operation may be greatly affected by elevation and the cycling operation of multiple electrical appliances – fuel flow rates may vary depending on these factors.  
<sup>3</sup> See operator's manual or BRIGGSandSTRATTON.com for complete warranty details.  
<sup>4</sup> Lowest no-load measurement per ISO 3744. Sound level measurement at other locations around generator may be different depending upon installation configuration.



**Additional Information**

Other Features	
<b>Enclosure Material</b>	Galvanneal Steel with Corrosion Resistant Pint
<b>Overcrank Protection</b>	Yes
<b>Engine Warm Up (sec)</b>	20 or 50 Automatic Transfer Switch Controlled
<b>Engine Cool Down (min)</b>	1
<b>Response Time (sec)</b>	26 or 56 Automatic Transfer Switch Controlled
<b>Monitoring Options</b>	Basic Wireless Monitor InfoHub™ Monitor
<b>Continuous Battery Charging</b>	Yes
Weight and Dimensions	
<b>Assembled Weight (lbs / kg)</b>	319 / 145
<b>Overall Dimensions (in / mm)</b>	28 x 26.1 x 37.2 / 711 x 663 x 945
<b>Packaged Weight (lbs / kg)</b>	381 / 173
<b>Packaged Dimensions (in / mm)</b>	39 x 33.5 x 45 / 991 x 851 x 1143

Certification	
<b>CARB Compliant</b>	Yes*
<b>cUL Listed to CSA 22.2 No. 100-14</b>	Yes
<b>UL 2200 Listed</b>	Yes
<b>EPA Certified Fuel System</b>	Yes
Available Accessories	
<b>Maintenance Kit</b>	6035
<b>Cold Weather Kit</b>	6404
<b>Basic Wireless Monitor</b>	6264
<b>InfoHub</b>	6517
<b>Remote Status Monitor</b>	6144



\* CARB does not regulate emergency standby generators outputting less than 50 HP. Only the EPA standards apply.

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**Fuel Pipe Size Recommendation Chart (Capacity in Thousands of BTU/Hour)**

**Natural Gas / Inlet Pressure less than 2 PSI / Pressure Drop 1/2" Water Column / Specific Gravity 0.60**

	1/2" pipe capacity	3/4" pipe capacity	1" pipe capacity	1-1/4" pipe capacity	1-1/2" pipe capacity	2" pipe capacity
<b>20' Length<sup>2</sup></b>	118	247	466	957	1,430	2,760
<b>40' Length<sup>2</sup></b>	81	170	320	657	985	1,900
<b>60' Length<sup>2</sup></b>	65	137	257	528	791	1,520
<b>80' Length<sup>2</sup></b>	56	117	220	452	677	1,300
<b>100' Length<sup>2</sup></b>	50	104	195	400	600	1,160

**Liquid Propane Vapor / Inlet Pressure 11" Water Column / Pressure Drop 1/2" Water Column / Specific Gravity 1.50**

	1/2" pipe capacity	3/4" pipe capacity	1" pipe capacity	1-1/4" pipe capacity	1-1/2" pipe capacity	2" pipe capacity
<b>20' Length<sup>2</sup></b>	200	418	788	1,617	2,423	4,666
<b>40' Length<sup>2</sup></b>	137	287	541	1,111	1,665	3,207
<b>60' Length<sup>2</sup></b>	110	231	435	892	1,337	2,575
<b>80' Length<sup>2</sup></b>	101	212	400	821	1,230	2,370
<b>100' Length<sup>2</sup></b>	101	212	400	821	1,230	2,370



**Support every step of the way**

Need help? Visit [BRIGGSandSTRATTON.com](http://BRIGGSandSTRATTON.com)

Complete the web form and a local dealer will contact you to answer questions on our generators, transfer switches and accessories.

**Call today for a FREE  
in-home estimate!  
800-743-4115**

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<sup>2</sup> Total length of piping from outlet of regulator to appliance farthest away.

Briggs & Stratton has a policy of continuous product improvement and reserves the right to modify its specifications at any time and without prior notice.

Not for Prime Power or use where standby systems are legally required, for serious life safety or health hazards, or where lack of power hampers rescue of fire-fighting operations.

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