

## 17 & 20kW<sup>1</sup> Standby Generator



## Briggs & Stratton® The Smart Choice

Durable back-up power for businesses and luxury homes. Guard against losses due to power outages with a Briggs & Stratton Standby Generator.



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



### Unique Airflow Technology

- Making these models 50% quieter than most portable generators
- The unique design pushes engine exhaust out the front, directly away from your home

### Flexible Placement

- Approved for installation as close as 18" to a building<sup>2</sup>

### 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 and Base Options:

- Automotive grade galvanized steel enclosure and base
- Certified to withstand hurricane-force winds up to 175 mph<sup>5</sup>
- Powder-coated paint for years of protection against chips and abrasions

### 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

							Liquid Propane Vapor		Natural Gas	Limited Warranty <sup>4</sup>	
	Model	Enclosure Type	Voltage	Phase <sup>3</sup>	Hz	Circuit Breaker Amps	LPV kW <sup>1</sup>	LPV Amps	NG kW <sup>1</sup>	NG Amps	Parts, Labor, Travel
17kW	040549	Galvanneal	120/240	1	60	80	17	70.8	15.3	63.8	5 Year
20kW	040336	Galvanneal	120/240	1	60	100	20	83.3	18	75	5 Year
20kW	040574	Aluminum	120/240	1	60	100	20	83.3	18	75	5 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		Lubrication	
Engine Brand	Vanguard®	Oil Capacity (oz)	78
Engine Speed (RPM)	3600	Lubrication System	Full Pressure
Engine Fuel	Liquid Propane Vapor (LPV) or Natural Gas (NG)	Recommended Oil	5W30 Full Synthetic
Engine Cylinder Configuration	OHV	Alternator Specs	
Number of Cylinders	2	Manufacturer	Briggs & Stratton
Displacement (cc)	993	Type	Self-Excited, Rotation Field
Compression Ratio	8.5:1	Voltage Regulator	Brushed/Electronic
Governor Type	Electronic	Insulation	Class F
Frequency Regulation	+/- 1 Hz	Controller Features	
Valves	OHV with Hardened Seats	Hour Meter	Yes
Ignition System	Fixed Timing Magnetron Electric Ignition	LED Digital Display	Yes
Starter Motor Rating Voltage	12 Volt	Fault Code Display	Yes
Battery Required	12 Volt, Group BCI 26 or 51, 540 CCA Minimum	Weekly Exerciser	Yes
		Low Oil Pressure Shutdown	Yes
		High Temperature Shutdown	Yes

## Operations

Fuel Consumption <sup>2</sup>				Sound Rating At 7 Meters	
17kW		Full Load	1/2 Load	No Load	64 dBA <sup>4</sup>
	BTU/hr	NG - 248,000 LPV - 295,000	NG - 170,000 LPV - 185,000	NG - 99,000 LPV - 100,000	
	ft <sup>3</sup> /hr	NG - 248 LPV - 118	NG - 170 LPV - 74	NG - 99 LPV - 40	
20kW	m <sup>3</sup> /hr	NG - 7.02 LPV - 3.34	NG - 4.81 LPV - 2.10	NG - 2.80 LPV - 1.13	
		Full Load	1/2 Load	No Load	
	BTU/hr	NG - 260,000 LPV - 337,500	NG - 187,000 LPV - 207,500	NG - 99,000 LPV - 100,000	
	ft <sup>3</sup> /hr	NG - 260 LPV - 135	NG - 187 LPV - 83	NG - 99 LPV - 40	
	m <sup>3</sup> /hr	NG - 7.36 LPV - 3.82	NG - 5.30 LPV - 2.35	NG - 2.80 LPV - 1.13	



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 ½ 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 or Aluminum
<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**

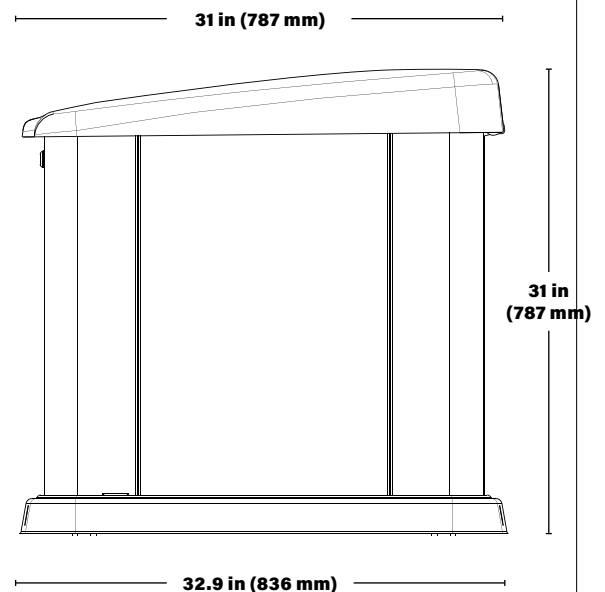
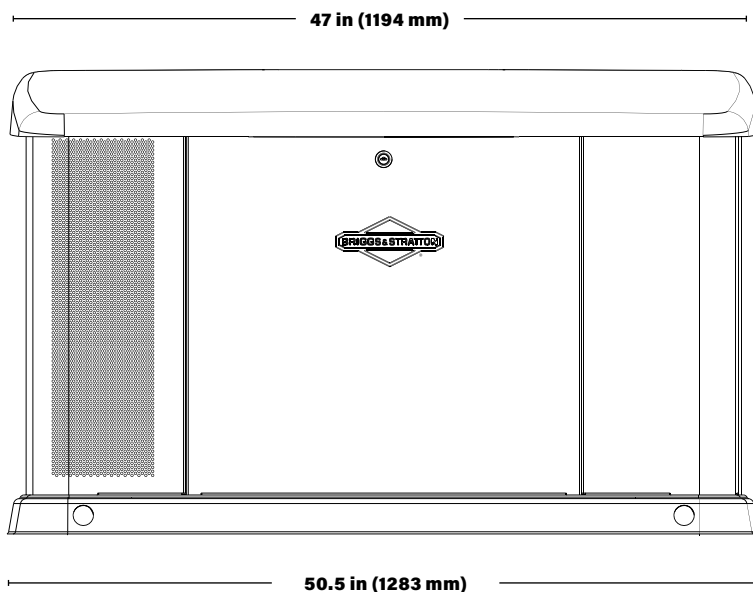
	<b>17kW<sup>1</sup></b>	<b>20kW<sup>1</sup></b>
<b>Assembled Weight (lbs / kg)</b>	484 / 220	Galvanneal - 601 / 273 Aluminum - 440 / 200
<b>Overall Dimensions (in / mm)</b>	50.5 x 32.9 x 31 / 1283 x 836 x 787	50.5 x 32.9 x 31 / 1283 x 836 x 787
<b>Packaged Weight (lbs / kg)</b>	610 / 277	Galvanneal - 626 / 284 Aluminum - 575 / 261
<b>Packaged Dimensions (in / mm)</b>	68.1 x 41 x 39.5 / 1730 x 1041 x 1003	68.1 x 41 x 39.5 / 1730 x 1041 x 1003

**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>	6231
<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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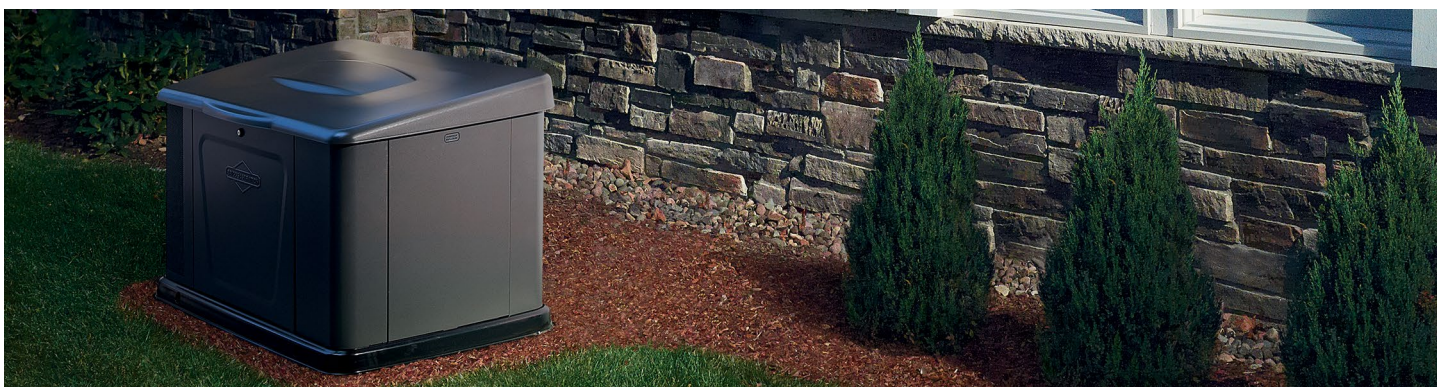
### Fuel Pipe Size Recommendation Chart (Capacity in Thousands of BTU/Hour)

#### 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.

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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.

BS1154 - 8/18

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