20kW[1] 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[4]

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Corrosion Resistant Enclosure & Base

- Rust resistant aluminum and a stainless steel base to protect the generator from the elements. Robust protection against damage from the elements caused by strong winds, high humidity and salt air
- Powder-coated paint for years of protection against chips and abrasions
- Certified to withstand hurricane-force winds up to 175 mph[5]

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

Commercial-Grade Vanguard® Engine

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

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

Quality Clean Power

- Ensures your electronics are safely powered

Flexible Placement

- Approved for installation as close as 18" to a building[2]

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[4]
Model	**Enclosure Type**	**Voltage**	**Phase[3]**	**Hz**	**Circuit Breaker Amps**	**LPV kW[1]**	**LPV Amps**	**NG kW[1]**	**NG Amps**	**Parts, Labor, Travel**
040547	Galvanneal	120/240	1	60	100	20	83.3	18	75	6 Year
040573	Aluminum	120/240	1	60	100	20	83.3	18	75	6 Year
040592	Aluminum	120/240	1	60	100	20	83.3	18	75	10 Year

[1] 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).
[2] 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.
[3] Single phase units are rated at 1.0 power factor and three phase units are rated at 0.8 power factor.
[4] See operator's manual or BRIGGSandSTRATTON.com for complete warranty details.
[5] When installed in accordance with the installation manual

Engine Specifications

Engine	
Engine Brand	Vanguard®
Engine Speed (RPM)	3600
Engine Fuel	Liquid Propane Vapor (LPV) or Natural Gas (NG)
Engine Cylinder Configuration	OHV
Number of Cylinders	2
Displacement (cc)	993
Compression Ratio	8.5:1
Governor Type	Electronic
Frequency Regulation	+/- 1%
Valves	OHV with Hardened Seats
Ignition System	Fixed Timing Magnetron®
Starter Motor Rating Voltage	12 Volt
Battery Required	12 Volt, Group 26R, 540 CCA Minimum

Lubrication	
Oil Capacity (oz)	79
Lubrication System	Full Pressure
Recommended Oil	5W30 Full Synthetic
Low Oil Pressure Sensor	Yes
Alternator Specs	
Manufacturer	Briggs & Stratton
Type	Self-Excited, Rotation Field
Voltage Regulator	Automatic
Insulation	Class F
Controller Features	
Hour Meter	Yes
LED Digital Display	Yes
Fault Code Display	Yes
Weekly Exerciser	Yes

Operations

Fuel Consumption[2]

	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
ft³/hr	NG - 260 LPV - 135	NG - 187 LPV - 83	NG - 99 LPV - 40
m³/hr	NG - 7.36 LPV - 3.82	NG - 5.30 LPV - 2.35	NG - 2.80 LPV - 1.13

Sound Rating At 7 Meters

64 dBA[4]

6 YEAR 10 YEAR

Parts ▪ Labor ▪ Travel Limited Warranty[3]

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

[1] 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).
[2] 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.
[3] See operator's manual or BRIGGSandSTRATTON.com for complete warranty details.
[4] Lowest no-load measurement per ISO 3744. Sound level measurement at other locations around generator may be different depending upon installation configuration.

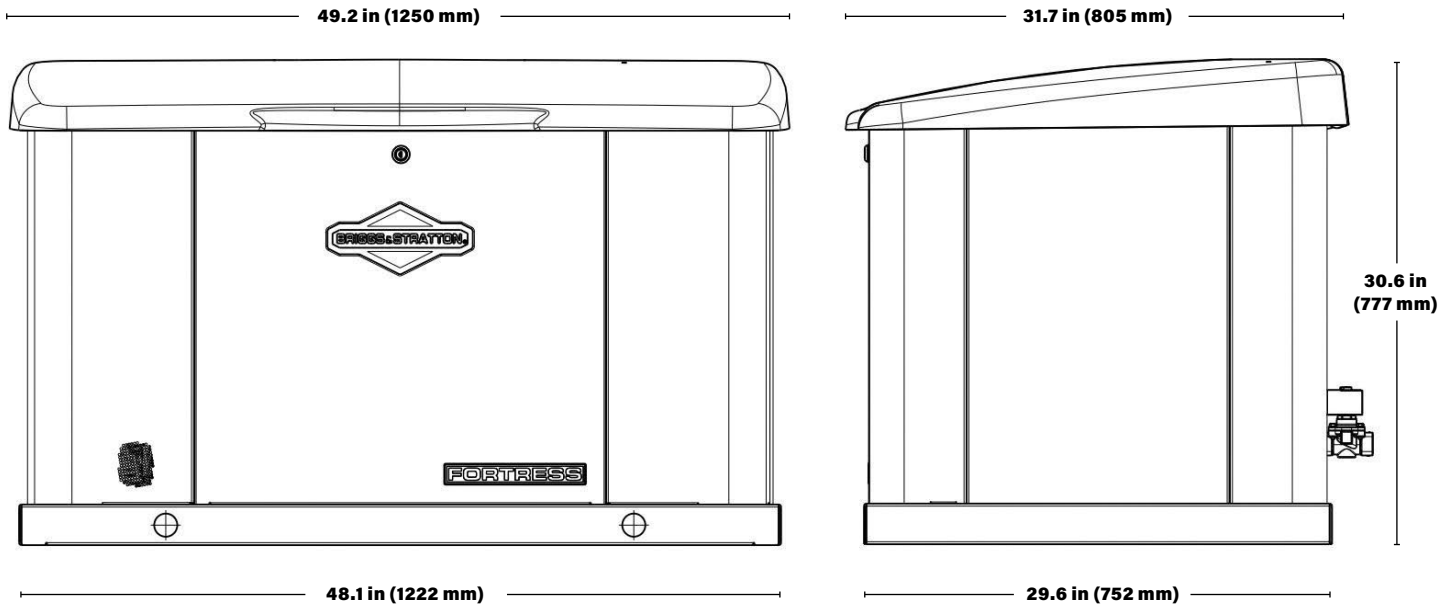
Additional Information

Other Features	
Enclosure Material	Galvanneal Steel or Aluminum with Corrosion Resistant Paint
Overcrank Protection	Yes
Engine Warm Up (sec)	20 or 50 Automatic Transfer Switch Controlled
Engine Cool Down (min)	1
Response Time (sec)	26 or 56 Automatic Transfer Switch Controlled
Monitoring Options	Basic Wireless Monitor InfoHub™ Monitor
Continuous Battery Charging	Yes

Weight and Dimensions	
Assembled Weight (lbs / kg)	Galvanneal - 601 / 273 Aluminum - 440 / 200
Overall Dimensions (in / mm)	49.2 x 31.7 x 30.6 / 1250 x 805 x 777
Packaged Weight (lbs / kg)	Galvanneal - 626 / 284 Aluminum - 575 / 261
Packaged Dimensions (in / mm)	68.1 x 41 x 39.5 / 1730 x 1041 x 1003

Certification	
CARB Compliant	Yes*
NFPA Approved	Yes
cUL Listed to CSA 22.2 No. 100-04	Yes
NEMA Compliant	Yes
EPA Certified Fuel System	Yes

Available Accessories	
Maintenance Kit	6035
Cold Weather Kit	6404
Basic Wireless Monitor	6176
InfoHub	6517
Remote Status Monitor	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
20' Length[2]	118	247	466	957	1,430	2,760
40' Length[2]	81	170	320	657	985	1,900
60' Length[2]	65	137	257	528	791	1,520
80' Length[2]	56	117	220	452	677	1,300
100' Length[2]	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
20' Length[2]	200	418	788	1,617	2,423	4,666
40' Length[2]	137	287	541	1,111	1,665	3,207
60' Length[2]	110	231	435	892	1,337	2,575
80' Length[2]	94	198	372	764	1,144	2,204
100' Length[2]	84	175	330	677	1,014	1,954

Support every step of the way

Need help? Visit 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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[2] 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.

BS1155 - 8/18

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