

12kW¹ 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
Warranty⁴



New Upgraded Control System

- New AVR optimizes generator performance with tighter voltage control
- LCD display that displays multi-line text and graphics
- Default exercise cycle setting of 16 seconds
- Low speed exercise available to save fuel and reduce noise
- Monitors cold temperatures to avoid moisture buildup in engine oil
- Cleaner power with improved frequency regulation
- More efficient alternator capable of starting a 5-ton air conditioner

Designed for Easy Installation & Maintenance

- Easy to move into installation location using a two-wheel dolly
- Approved for installation as close as 18" to a building²
- Removable roof and side panels provide better service access to the engine and alternator
- Controller, battery charger, and AVR can be replaced separately
- External on/off switch located on back of enclosure

Commercial Vanguard® Engine

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

Charging System

- Independent battery charger
- Optimizes battery life with a 3-stage battery charger (bulk, absorption, and float stage)

Corrosion Resistant Enclosure & Base

- Made with automotive grade galvalume steel to resist rust
- Powder-coated paint for years of protection against chips and abrasions
- Certified to withstand hurricane-force winds up to 175mph⁵

Briggs & Stratton® Full Synthetic Generator Oil

- Shields the engine from low temperature sludge buildup and high temperature deposits
- Reduces engine wear, scoring and abrasion

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
- Compatible transfer switches sold separately

Generator Set Rating

Model	Enclosure Type	Voltage	Phase ³	Hz	Circuit Breaker Amps	Liquid Propane Vapor		Natural Gas		Limited Warranty ⁴
						LPV kW ¹	LPV Amps	NG kW ¹	NG Amps	Parts, Labor, Travel
040590	Steel	120/240	1	60	60	12	50	10.8	45	5 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 Up to 175 mph, 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 (L / Ci)	0.627 / 38.26
Compression Ratio	8.3:1
Governor Type	Electronic
Frequency Regulation	+/- 0.3 Hz (0.5%)
Valves	OHV with Hardened Seats
Ignition System	Fixed Timing Magnetron® Electric Ignition
Starter Motor Rating Voltage	12 Volt
Battery Required	12 Volt, Group BCI 24, 500 CCA Minimum
Peak Motor Starting kVA	37

Lubrication	
Oil Capacity (L / qt)	1.3 / 1.37
Lubrication System	Full Pressure
Recommended Oil	5W30 Full Synthetic
Alternator Specs	
Manufacturer	Mecc Alte
Type	Self-Excited, 4-Lead
Voltage Regulator	Automatic
Insulation	Class H
Controller Features	
Generator Sensing	Single phase voltage monitoring
LCD Display	Displays multi-line text and graphics
Fault Display	Provides additional data regarding fault
Exercise Cycle	Default: Start and run for 16 seconds; Abort exercise below 40° F (internal temperature)
Power Save Mode	Reduces power consumption

Operations

Fuel Consumption ²			
	Full Load	1/2 Load	No Load
BTU / hr	NG - 133,000 LPV - 175,000	NG - 87,000 LPV - 102,000	NG - 54,000 LPV - 44,000
ft ³ / hr	NG - 133 LPV - 70	NG - 87 LPV - 41	NG - 54 LPV - 18
m ³ / hr	NG - 3.8 LPV - 2.0	NG - 2.5 LPV - 1.2	NG - 1.6 LPV - 0.5
g / hr	LPV - 2.0	LPV - 1.2	LPV - 0.5

Sound Rating At 7 Meters

64 dBA⁴

Parts • Labor • Travel
Limited
Warranty³

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

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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 with Corrosion Resistant Paint
Engine Warm Up (sec)	20 seconds after all settable delays
Engine Cool Down (min)	5
Response Time (sec)	Immediate after engine warm up

Weight and Dimensions

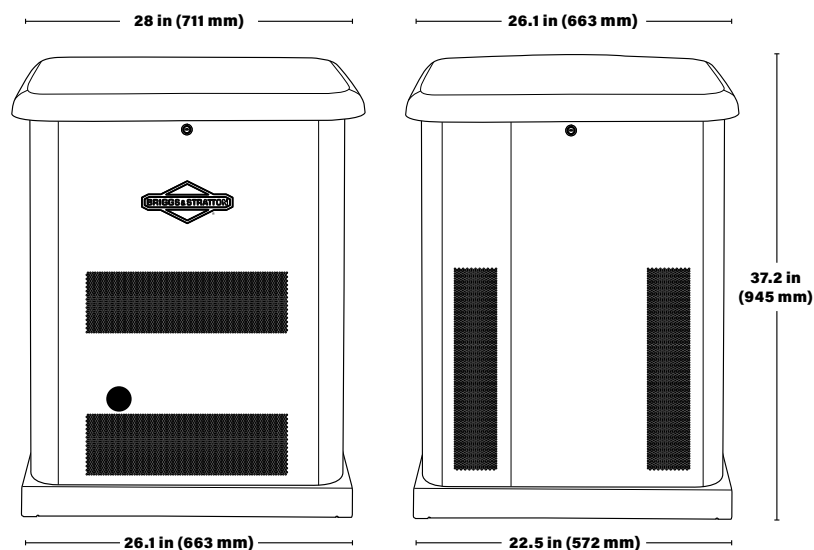
Assembled Weight (lbs / kg)	361 / 164
Overall Dimensions (in / mm)	28 x 26.1 x 37.2 / 711 x 663 x 945
Packaged Weight (lbs / kg)	423 / 192
Packaged Dimensions (in / mm)	39 x 33.5 x 45 / 991 x 851 x 1143

Available Transfer Switches

071100	100 Amp
071150	150 Amp
071200	200 Amp
071071	Symphony® II 100 Amp
071070	Symphony® II 150 Amp
071068	Symphony® II 200 Amp
071057	Symphony® II Dual 200 Amp

Available Certifications**CARB Compliant*****cUL Listed to CSA 22.2 No. 100-14****UL 2200 Listed****EPA Certified Fuel System****Available Accessories**

Maintenance Kit	6035
Cold Weather Kit	6578
E-Stop Kit	6360
Power Management Low Voltage Module	6536
Power Management High Voltage Module	6537
Generator Status LED Kit	6535
Uninterruptible Power Supply	6581
Dual Twisted Wire Spool (100 ft)	6541
Dual Twisted Wire Spool (200 ft)	6540
Dual Twisted Wire Spool (500 ft)	6539
Dual Twisted Wire Spool (1,000 ft)	6542



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

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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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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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