

50kW¹ Standby Generator



Briggs & Stratton® The Smart Choice

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



Parts • Labor • Travel
Limited
Warranty

Corrosion Resistant Aluminum Enclosure

- Durable enclosures are built to last, protecting against extreme weather conditions and corrosion

Easy to Service

- Convenient internal swing open doors allow you to easily access the engine; no more taking apart the bolted finger guards, saving you precious time and the hassle of disassembly

Quality Clean Power

- Ensures your electronics are safely powered

Durable Industrial Engine

- Found in industrial applications, the premium industrial 1,500 RPM engine provides strong, reliable power without giving up quiet operation or durability



Generator Set Ratings

Model	Voltage	Power Factor	Phase ²	Hz	Breaker	Liquid Propane Vapor 125°C Standby Rating		Natural Gas 125°C Standby Rating		Controller	Limited Warranty ³
						kW ¹ / kVA	Amps	kW ¹ / kVA	Amps		Parts, Labor, Travel
076167	220/380	0.8	3	50	100	50 / 62	95	50 / 62	95	IntelliNano	4 Year

¹ This generator is rated 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 Single phase units are rated at 1.0 power factor and three phase units are rated 0.8 power factor

³ Warranty details available at www.briggsandstratton.com



Engine Specifications

Engine		Lubrication	
Engine Model	5.7L Industrial Powertrain	Oil Capacity (qt / L)	4.5 / 4.3
Engine Type	8 Cylinder, 4-Cycle	Oil Capacity with Filter (qt / L)	5.0 / 4.7
Engine Speed (RPM)	1500	Oil Filter (Quantity / Type)	1 / Spin-on
Engine Fuel	Liquid Propane Vapor (LPV) or Natural Gas (NG)	Lubrication System	Full Pressure
Induction System	Naturally Aspirated	Recommended Oil	API GF-4 10W30
Air Filter Type	Dry	Alternator Specs	
Displacement (ci / L)	350 / 5.7	Type	4-Pole, Rotating Field
Compression Ratio	9.4:1	Voltage Regulator	Solid State, Volts / Hz
Freq Reg NL to FL	Isochronous	Insulation (Rating)	Class H
Block Heater	Included	Designed Temperature Rise Limit	257°F / 125°C
Governor Type	Electronic	Bearing (Quantity / Type)	1 / Sealed
Frequency Regulation	+ / - 0.5%	Voltage Reg NL to FL	+ / - 1.0%
Starter Motor Rated Voltage	12 Volt	Frequency Compensation	8V / Hz Voltage Drop Below 45 Hz
Battery (VDC / CCA)	12 Volt / 775	Engine Fuel System Specifications	
Engine Output Deratings		Recommended Fuel	
Rated Temperature	77°F / 25°C	LP min LHV (BTU/ft ³ / MJ/m ³)	2338 / 87
Temperature Derate	1.5% for Every 10°F (5.6°C) Above Rated Temperature	NG min LHV (BTU/ft ³ / MJ/m ³)	904 / 34
Rated Altitude	1200 ft (366 m) Above Sea Level	Fuel Supply Pressure at full load (in H ₂ O / kPa)	7-11 / 1.75-2.74
Altitude Derate	2.5% for Every 1000 ft (305 m) Above Rated Altitude	Fuel Supply Line at Engine (NPT)	1 in

Operations

Fuel Consumption ²							Sound Rating at 7 Meters per ISO3744
	No-Load		50% Load		100% Load		
Liquid Propane Vapor	184000 BTU / hr	194 MJ / hr	470000 BTU / hr	496 MJ / hr	683000 BTU / hr	720 MJ / hr	67 dB(A) Lowest measurement of 12 microphones around generator. Sound level measurement at other locations around generator may be different depending upon installation configuration.
	74 ft ³ / hr	2.1 m ³ / hr	188 ft ³ / hr	5.4 m ³ / hr	273 ft ³ / hr	7.8 m ³ / hr	
	2.1 gal / hr	7.6 L / hr	5.3 gal / hr	19.5 L / hr	7.5 gal / hr	28.3 L / hr	
Natural Gas	195000 BTU / hr	206 MJ / hr	425000 BTU / hr	449 MJ / hr	615000 BTU / hr	649 MJ / hr	
	195 ft ³ / hr	5.6 m ³ / hr	425 ft ³ / hr	12.1 m ³ / hr	615 ft ³ / hr	17.5 m ³ / hr	

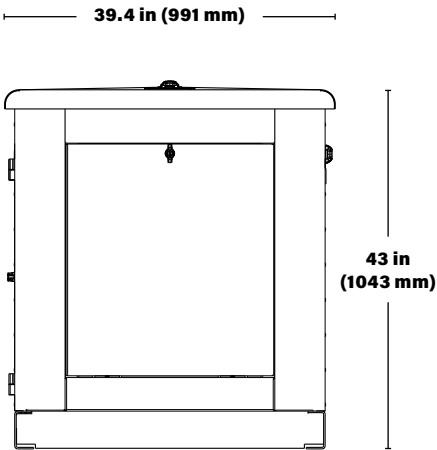
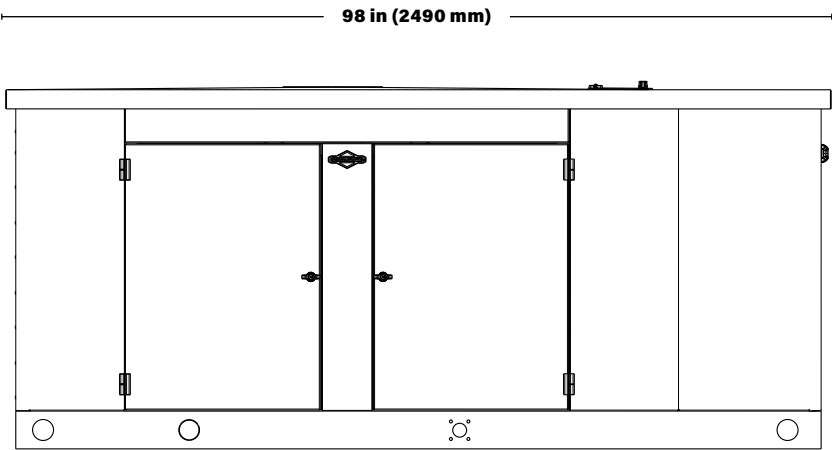
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² Fuel consumption rates are estimated based on normal operating conditions. Generator operation may be greatly affected by elevation and the cycling operation of multiple electrical appliances - fuel flow rates may vary depending on these factors.



Additional Information

Other Features		Certification	
Enclosure Material	Corrosion-Resistant Aluminum	CARB Compliant ²	Conditions Apply
Weight and Dimensions		UL Listed to 2200	Yes
Assembled Weight (lbs / kg)	2020 / 915	cUL Listed to CSA 22.2 NO 100-14	Yes
Overall Dimensions (in / mm)	98 x 39.4 x 43 / 2490 x 991 x 1093	NEMA Compliant	Yes
Packaged Weight (lbs / kg)	2420 / 1100	EPA Certified Fuel System ²	Yes
Packaged Dimensions (in / mm)	104 x 51 x 48 / 2642 x 1296 x 1220	Available Accessories	
		Battery Warmer	6343



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² It is the responsibility of the owner / operator / installer to research and understand local code requirements where this unit will be installed and operated. This unit may require additional testing once it is installed. Contact local authorities to understand specific requirements.

**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' Length²	118	247	466	957	1,430	2,760
40' Length²	81	170	320	657	985	1,900
60' Length²	65	137	257	528	791	1,520
80' Length²	56	117	220	452	677	1,300
100' Length²	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' Length²	200	418	788	1,617	2,423	4,666
40' Length²	137	287	541	1,111	1,665	3,207
60' Length²	110	231	435	892	1,337	2,575
80' Length²	101	212	400	821	1,230	2,370
100' Length²	101	212	400	821	1,230	2,370

Controller**InteliNano (NT) Controller for 3-Phase**

- 3-phase generator application only
- Large graphical display
- 3-phase voltage sensing
- "Zero" power consumption mode
- User-friendly operation
- 10 event history log
- USB communication interface
- Six binary inputs, three analog inputs
- Two low-current and two high-current binary outputs
- UL recognized

**Support every step of the way****Need help? Just call 800-759-2744**

Our technical support team is trained 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.

