

## 50kW<sup>1</sup> Standby Generator



## Briggs & Stratton<sup>®</sup> 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.



4 Years or  
1200 Hours  
Limited Warranty<sup>3</sup>



### 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 easy access to the engine; no more taking apart the bolted finger guards, saving you precious time and the hassle of disassembly

### Quality Clean Power

- Ensures that electronics are safely powered

### Block Heater

- Ships with pre-installed block heater ensuring smooth start-ups any time an outage occurs when the temperature dips below freezing

### Durable Industrial Engine

- Found in industrial applications, the premium industrial 1500 RPM engine provides strong, reliable power without giving up quiet operation or durability

### Generator Set Rating

Model	Enclosure Type	Voltage	Phase <sup>2</sup>	Hz	Circuit Breaker Amps	Liquid Propane Vapor			Natural Gas		
						kW <sup>1</sup> / kVA	Extended Use <sup>4</sup> kW <sup>1</sup> / kVA	Amps	kW <sup>1</sup> / kVA	Extended Use <sup>4</sup> kW <sup>1</sup> / kVA	Amps
076167	Galvanneal	220 / 380	3	50	100	50 / 62.5	40 / 50	95	50 / 62.5	40 / 50	95
076168	Galvanneal	230	1	50	225	50 / 50	40 / 40	217	50 / 50	40 / 40	217

<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> Single phase units are rated at 1.0 power factor and three phase units are rated 0.87 power factor.

<sup>3</sup> See operator's manual or BRIGGSandSTRATTON.com for complete warranty details.

<sup>4</sup> Operation of generator without connection to a primary source is classified as "Extended Use". "Extended Use" application is only valid in International markets outside of the United States and Canada. "Proof of maintenance" per the Operator's Manual is required to qualify for warranty service and repairs. Warranty applies only if the product is purchased through a Briggs & Stratton authorized dealer.



## Engine Specifications

Engine	
Manufacturer	PSI
Type	5.7L Industrial Powertrain 4 Cycle, Naturally Aspirated
Speed (RPM)	1500
Cylinder Arrangement	V8
Displacement (L)	5.7
Bore & Stroke (mm / in)	101.6 x 88.4 / 4 x 3.48
Compression Ratio	9.4:1
Governor Type	Electronic
Frequency Regulation Steady State	+/- 0.5%
Frequency Regulation No-load to Full-load	Isochronous
Air Filter Type	Dry
Limited Warranty <sup>2</sup>	4 Year / 1200 Hours
Lubrication System	
Type	Full Pressure
Oil Capacity (L / qt)	4.7 / 5.0
Oil Filter (Quantity / Type)	1 / Spin-On
Cooling System	
Heat Rejected to Cooling Water at Rated Load (kcal/sec / BTU/min)	12.8 / 2600
Water Pump Type	Centrifugal
Sound Rating at 7 Meters, Lowest Side	
No Load	67 dB(A) <sup>3</sup>
Air Induction System	
Combustion Air (m <sup>3</sup> /min / cfm)	4.1 / 146

Electrical System	
Ignition System	HVS Distributor
Battery Quantity <sup>*</sup>	1
Battery Voltage (VDC)	12
Battery CCA (A)	775
Battery Charging Alternator	
Ground (Negative / Positive)	Negative
Voltage (VDC)	12
Amperage (A)	70
Starter Motor Voltage (VDC)	12

Exhaust System	
Exhaust Manifold Type	Dry
Exhaust Flow at Rated Load (m <sup>3</sup> /min / cfm)	13.3 / 471
Exhaust Temperature at Rated Load (°C / °F)	732 / 1350
Maximum Allowable Back Pressure (in kPa / Hg)	10.2 / 3

Fuel System	
Fuel Type	LPV or NG
Fuel Supply Line Inlet	1 NPT
Recommended Fuel, Lower Heating Value Minimum (MJ/m <sup>3</sup> / BTU/ft <sup>3</sup> )	NG - 34.3 / 904 LPV - 87.1 / 2338
Fuel Supply Pressure (in H <sub>2</sub> O / mbar)	7-11 / 17-28

Fuel Consumption <sup>4</sup>			
	Full Load	1/2 Load	No Load
MJ / hr	NG - 710 LP - 770	NG - 490 LP - 530	NG - 230 LP - 210
L / hr	NG -- LP - 30.2	NG -- LP - 20.7	NG -- LP - 8.2
m <sup>3</sup> / hr	NG - 19.0 LP - 8.3	NG - 13.1 LP - 5.7	NG - 6.1 LP - 2.3

Engine Output Deratings	
Rated Temperature (°C / °F)	25 / 77
Rated Altitude	366 m (1200 ft) Above Sea Level
Temperature Derate	1.5% for Each 5.6°C (10°F) Above Rated Temperature
Altitude Derate	2.5% for Each 305 m (1000 ft) Above Rated Altitude

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

<sup>3</sup> Lowest no-load measurement per ISO 3744. Sound level measurement at other locations around generator may be different depending upon installation configuration.

<sup>4</sup> 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.

\* Battery sold separately.



## Additional Standard Features

### Weight & Dimensions

<b>Assembled Weight (kg / lbs)</b>	916 / 2020
<b>Overall Dimensions (mm / in)</b>	2489 x 1001 x 1092 / 98 x 39.4 x 43
<b>Packaged Weight (kg / lbs)</b>	1097 / 2419
<b>Packaged Dimensions (mm / in)</b>	2638 x 1143 x 1280 / 103.9 x 45 x 50.4

### Available Accessories

<b>6343</b>	Battery Warmer
<b>6144</b>	Remote LED Kit
<b>6471</b>	Retrofit Module
<b>6491</b>	Local Emergency Stop Switch

## Controllers



### Briggs & Stratton® AMF Controller for Single-Phase

- User-friendly control panel for troubleshooting
- Conveniently monitors diagnostic conditions, displays system fault codes and sets weekly exercise cycle
- Easy-to-read alpha-numeric scrolling display
- UL recognized

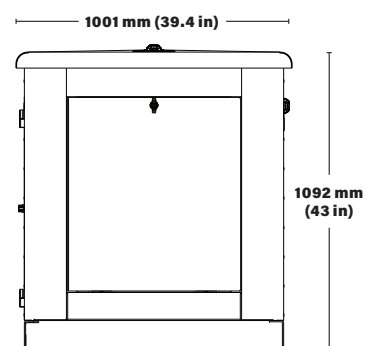
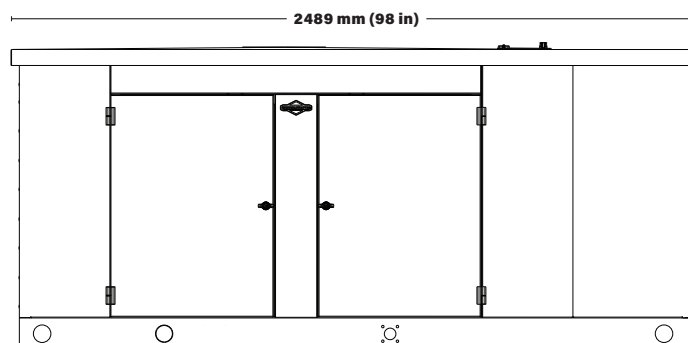


### IntelliNano (NT) Controller for 3-Phase

- 3-Phase generator application only
- Large graphical display
- 3-Phase voltage sensing
- "Zero" power consumption mode
- Easy installation and 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

### Other Features

- Battery rack and cables
- Electronic, isochronous governor
- Gas fuel system (includes fuel mixer, electronic secondary gas regulator, gas solenoid valve, and flexible fuel line between the engine and the skid-mounted fuel system components)
- Integral vibration isolation
- Oil drain extension



<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).



## 50kW<sup>1</sup> Standby Generator

Alternator Specifications		
	3 Phase	1 Phase
Model	076167	076168
Alternator Model	60TBSPP-2	60BSPP-0
Manufacturer	Coliseum	Coliseum
Type	Brushless, 12-Lead	Brushless, 4-Lead
Frequency (Hz)	50	50
Phase	3	1
Alternator Configuration	Wye	-
Exciter Type	Self-Excited	Self-Excited
Number of Poles	4	4
Voltage Regulator	Analog, 1-Phase Sensing	Analog, 1-Phase Sensing
Insulation Rating	Class H	Class H
Designed Temperature Rise Limit	125°C	125°C
Bearing (Quantity / Type)	1 / Sealed	1 / Sealed
Coupling	Flexible Disk	Flexible Disk
Amortisseur Windings	Full	Full
Voltage Regulation, NL to FL	+/- 1.0%	+/- 1.0%
One Step Load Acceptance	100% of Rating	100% of Rating
Total Harmonic Distortion (THD), NL to FL	< 5.0	< 5.0
<ul style="list-style-type: none"><li>▪ Windings are insulated using the latest vacuum pressure impregnation technologies</li><li>▪ Superior voltage waveform from a two-thirds pitch stator and skewed main stator</li><li>▪ Manufactured according to the following standards: UL1004, NEMA MG1, IEC 60034-1</li></ul>		

### Support every step of the way

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

Complete the web form and we will contact you to answer your questions regarding our generators, transfer switches, and accessories.

**Continue life uninterrupted,  
no matter the weather  
conditions outside.**

<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).

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

This standby is Not for Prime Power applications.

BS1183 - 6/19

**BRIGGS & STRATTON CORPORATION**  
POST OFFICE BOX 702  
MILWAUKEE, WI 53201 USA

Copyright ©2019. All rights reserved.



**YOU.POWERED.**