

# 35kW<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>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 allows easy access to the engine; no more taking apart the bolted finger guards, saving time and the hassle of disassembly

### Quality Clean Power

- Ensures that electronics are safely powered

### Block Heater

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

### Durable Industrial Engine

- Found in industrial applications, the premium industrial 1,800 RPM engine provides strong, reliable power without giving up quiet operation or durability

### NFPA-110

- May be used in NFPA-110, Level 2, applications with appropriate accessories<sup>4</sup>

### Generator Set Rating

Model	Voltage	Power Factor	Phase <sup>2</sup>	Hz	Circuit Breaker Amps	Liquid Propane Vapor		Natural Gas		Controller	Limited Warranty <sup>3</sup>
						kW / kVA	Amps	kW / kVA	Amps		
076330	120 / 240	1.0	1	60	150	35 / 35	145	35 / 35	145	IntelliLite	5 Year
076130	120 / 240	1.0	1	60	150	35 / 35	145	35 / 35	145	Briggs & Stratton®	5 Year
076131	120 / 208	0.8	3	60	125	35 / 44	121	35 / 44	121	IntelliNano	5 Year
076133	120 / 240	0.8	3	60	110	35 / 44	105	35 / 44	105	IntelliNano	5 Year
076135	277 / 480	0.8	3	60	60	35 / 44	52	35 / 44	52	IntelliNano	5 Year
076331	120 / 208	0.8	3	60	125	35 / 44	121	35 / 44	121	IntelliLite	5 Year
076333	120 / 240	0.8	3	60	110	35 / 44	105	35 / 44	105	IntelliLite	5 Year
076335	277 / 480	0.8	3	60	60	35 / 44	52	35 / 44	52	IntelliLite	5 Year

<sup>1</sup> 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).

<sup>2</sup> Single phase units are rated at 1.0 power factor and three phase units are rated 0.8 power factor.

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

<sup>4</sup> This unit must be installed, by licensed contractor, in accordance with requirements of NFPA-110 codes and standards as defined in NEC Article 701, in addition to local AHJ requirements. This generator set is not authorized by Briggs & Stratton for use in NFPA-110, Level 1 applications.



## Engine Specifications

Engine	
Manufacturer	PSI
Type	4.3L Industrial Powertrain 4 Cycle, Naturally Aspirated
Speed (RPM)	1800
Cylinder Arrangement	V6
Displacement (L)	4.3
Bore & Stroke (in / mm)	4 x 3.48 / 101.6 x 88
Compression Ratio	9.8:1
Governor Type	Electronic
Frequency Regulation Steady State	+/- 0.5%
Frequency Regulation No-load to Full-load	Isochronous
Air Filter Type	Dry
Limited Warranty <sup>3</sup>	3 Years Parts, Labor and Travel
Lubrication System	
Type	Full Pressure
Oil Capacity (qt / L)	4.5 / 4.3
Oil Filter (Quantity / Type)	1 / Spin-On
Cooling System	
Heat Rejected to Cooling Water at Rated Load (BTU/min / kcal/sec)	2300 / 9.7
Water Pump Type	Centrifugal
Sound Rating at 7 Meters, Lowest Side	
No Load	67 dB(A) <sup>2</sup>
Air Induction System	
Combustion Air (cfm / m <sup>3</sup> /min)	112 / 3.2

Electrical System			
Ignition System			HVS Distributor
Battery Quantity			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 (cfm / m³/min)			362 / 10.3
Exhaust Temperature at Rated Load (°F / °C)			1350 / 732
Maximum Allowable Back Pressure (in Hg / kPa)			3 / 10.2
Fuel System			
Fuel Type			LPV or NG
Fuel Supply Line Inlet			1 NPT
Recommended Fuel, Lower Heating Value Minimum (BTU/ft³ / MJ/m³)			NG - 904 / 34.3 LPV - 2338 / 87.1
Fuel Supply Pressure (in H₂O / mbar)			7-11 / 17-28
Fuel Consumption <sup>4</sup>			
	Full Load	1/2 Load	No Load
BTU/hr	NG - 393,844 LP - 399,116	NG - 253,217 LP - 257,844	NG - 144,718 LP - 136,087
ft³/hr	NG - 394 LP - 160	NG - 253 LP - 103	NG - 145 LP - 54
m³/hr	NG - 11.2 LP - 4.5	NG - 7.2 LP - 2.9	NG - 4.1 LP - 1.5

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

<sup>1</sup> 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).

<sup>2</sup> Lowest measurement of 12 microphones around generator. Sound level measurement at other locations around generator may be different depending upon installation configuration.

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

<sup>4</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.



## Additional Standard Features

### Weight & Dimensions

<b>Assembled Weight (lbs / kg)</b>	1634 / 741
<b>Overall Dimensions (in / mm)</b>	91 x 39.4 x 41 / 2311 x 1001 x 1041
<b>Packaged Weight (lbs / kg)</b>	2033 / 922
<b>Packaged Dimensions (in / mm)</b>	104 x 48 x 50.4 / 2639 x 1219 x 1280

## Standard 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



### InteliNano (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

## Optional Controller



### InteliLite (NT) Controller

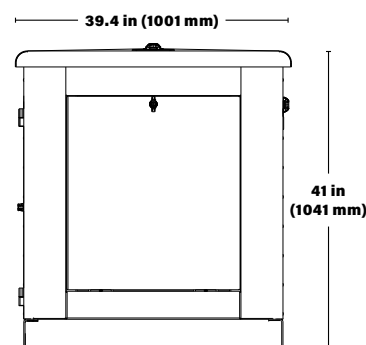
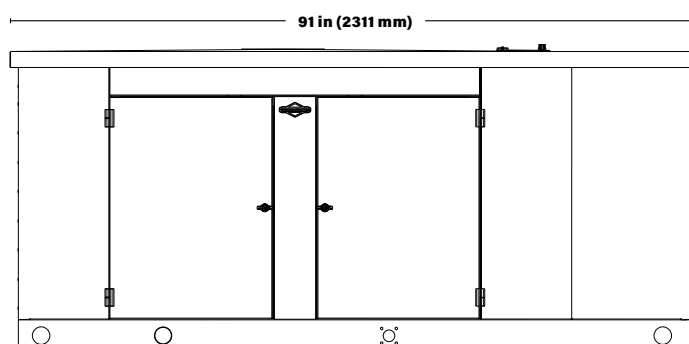
- 3-Phase and Single-Phase generator applications
- 3-Phase voltage sensing
- Current sensing
- Seven binary inputs, three analog inputs
- Seven binary outputs
- Additional input/output accessories available
- Various communication modules available
- Remote control and monitoring capabilities
- UL recognized

### Available Accessories

<b>6343</b>	Battery Warmer
<b>6517</b>	InfoHub™
<b>6144</b>	Remote LED Kit
<b>6471</b>	Retrofit Module
<b>6491</b>	Local Emergency Stop Switch

### 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
- Operation and installation literature<sup>2</sup>



<sup>1</sup> 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 (motor 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.



## Alternator Specifications

	1 Phase	1 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase
<b>Model</b>	076330	076130	076131	076133	076135	076331	076333	076335
<b>Alternator Model</b>	35BSPP-0	35BSPP-0	35TBSPP-2	35TBSPP-2	35TBSPP-2	35TBSPP-2	35TBSPP-2	35TBSPP-2
<b>Manufacturer</b>	Coliseum	Coliseum	Coliseum	Coliseum	Coliseum	Coliseum	Coliseum	Coliseum
<b>Type</b>	Brushless, 4-Lead	Brushless, 4-Lead	Brushless, 12-Lead	Brushless, 12-Lead	Brushless, 12-Lead	Brushless, 12-Lead	Brushless, 12-Lead	Brushless, 12-Lead
<b>Frequency (Hz)</b>	60	60	60	60	60	60	60	60
<b>Phase</b>	1	1	3	3	3	3	3	3
<b>Alternator Configuration</b>	-	-	Wye	Delta	Wye	Wye	Delta	Wye
<b>Exciter Type</b>	Self-Excited	Self-Excited	Self-Excited	Self-Excited	Self-Excited	Self-Excited	Self-Excited	Self-Excited
<b>Number of Poles</b>	4	4	4	4	4	4	4	4
<b>Voltage Regulator</b>	Analog, 1-Phase Sensing	Analog, 1-Phase Sensing	Analog, 1-Phase Sensing	Analog, 1-Phase Sensing	Analog, 1-Phase Sensing	Analog, 1-Phase Sensing	Analog, 1-Phase Sensing	Analog, 1-Phase Sensing
<b>Insulation Rating</b>	Class H	Class H	Class H	Class H	Class H	Class H	Class H	Class H
<b>Designed Temperature Rise Limit</b>	125°C	125°C	125°C	125°C	125°C	125°C	125°C	125°C
<b>Bearing (Quantity / Type)</b>	1 / Sealed	1 / Sealed	1 / Sealed	1 / Sealed	1 / Sealed	1 / Sealed	1 / Sealed	1 / Sealed
<b>Coupling</b>	Flexible Disk	Flexible Disk	Flexible Disk	Flexible Disk	Flexible Disk	Flexible Disk	Flexible Disk	Flexible Disk
<b>Amortisseur Windings</b>	Full	Full	Full	Full	Full	Full	Full	Full
<b>Voltage Regulation, NL to FL</b>	+/- 1.0%	+/- 1.0%	+/- 1.0%	+/- 1.0%	+/- 1.0%	+/- 1.0%	+/- 1.0%	+/- 1.0%
<b>One Step Load Acceptance</b>	100% of Rating	100% of Rating	100% of Rating	100% of Rating	100% of Rating	100% of Rating	100% of Rating	100% of Rating
<b>Total Harmonic Distortion (THD), NL to FL</b>	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

- Windings are insulated using the latest vacuum pressure impregnation technologies
- Superior voltage waveform from a two-thirds pitch stator and skewed main stator
- Manufactured according to the following standards: UL1004, NEMA MG1, IEC 60034-1

## 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.

<sup>1</sup> 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 (motor 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.

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