



STANDBY GENERATORS

# SYNERGY ELECTRIC INC.

## 10kW<sup>1</sup> STANDBY GENERATOR



### BRIGGS & STRATTON® THE SMART CHOICE

For the discerning homeowner that is looking for the smartest, most reliable permanent backup power solution.



#### Designed for Easy Installation & Maintenance

- Easy to move into installation location with two-wheel dolly
- Approved for installation as close as 18" to a building<sup>2</sup>
- Removable roof and side panels provide better service access to the engine and alternator

#### Compact Size

- The smallest generator footprint in its class
- Perfect for small properties

#### 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

#### Commercial-Grade Briggs & Stratton Vanguard™ Engine

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

#### Quality Clean Power

- Ensures your electronics are safely powered

#### Corrosion Resistant Enclosure & Base

- Made with automotive grade galvanized steel to resist rust
- Powder-coated paint for years of protection against chips and abrasions



### GENERATOR SET RATINGS

MODEL	VOLTAGE	PHASE	HZ	BREAKER	LIQUID PROPANE		NATURAL GAS		LIMITED WARRANTY <sup>4</sup>
					LP kW	LP AMPS	NG kW	NG AMPS	PARTS, LABOR, TRAVEL
Briggs & Stratton 040375	120/240	1	60	50	10	41.7	9	37.5	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. 100-04 (motors 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.

<sup>3</sup> Warranty details available at [www.briggsandstratton.com](http://www.briggsandstratton.com)



**ENGINE SPECIFICATIONS**

ENGINE		LUBRICATION	
Engine Model	Briggs & Stratton Vanguard™	Oil Capacity (oz)	48
Engine Model Type Trim Number	359775-0003E1	Lubrication System	Full Pressure
Engine Speed (RPM)	3600	Recommended Oil	5W30 Full Synthetic
Engine Fuel	Liquid Propane (LP) or Natural Gas (NG)	Low Oil Pressure Sensor	Yes
Engine Cylinder Configuration	OHV	<b>ALTERNATOR SPECS</b>	
Number of Cylinders	2	Manufacturer	Briggs & Stratton
Displacement (cc)	35 / 570	Type	Self-Excited, Rotation Field
Bore & Stroke (in)	2.83 / 2.76	Voltage Regulator	Automatic
Compression Ratio	8.3:1	Insulation	Class F
Governor Type	Mechanical	<b>CONTROLLER FEATURES</b>	
Frequency Regulation	+/- 2.5 Hz	Hour Meter	Yes
Valves	OHV with Hardened Seats	LED Digital Display	Yes
Ignition System	Fixed Timing	Fault Code Display	Yes
Starter Motor Rating Voltage	12 Volt	Weekly Exerciser	Yes
Battery	12 Volt		

**OPERATIONS**

FUEL CONSUMPTION <sup>1</sup>				SOUND RATING AT 7 METERS	
	50% Load		100% Load		
Liquid Propane	42.8 ft <sup>3</sup> / hr	1.19 gal / hr	65.6 ft <sup>3</sup> / hr	1.82 gal / hr	67 dBA
Natural Gas	111 ft <sup>3</sup> / hr	—	169 ft <sup>3</sup> / hr	—	

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

<sup>1</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.



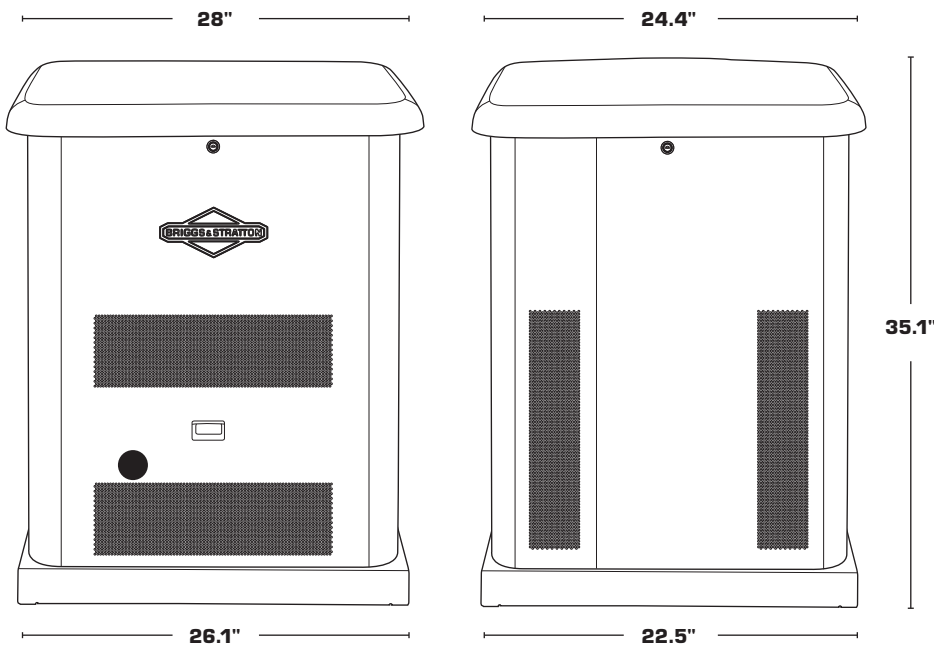
ADDITIONAL INFORMATION

OTHER FEATURES	
Enclosure Material	Galvanneal Steel 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

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

WEIGHT AND DIMENSIONS	
Assembled Weight (lbs)	272
Overall Dimensions (in)	28 x 24.4 x 35.1
Packaged Weight (lbs)	330
Packaged Dimensions (in)	39 x 35.5 x 42

AVAILABLE ACCESSORIES	
Maintenance Kit	6035
Cold Weather Kit	6030A
Basic Wireless Monitor	6264
InfoHub	6260
Remote Status Monitor	6144





FUEL PIPE SIZE RECOMMENDATION CHART (CAPACITY IN THOUSANDS OF BTU/HOUR)

Table with 7 columns: Natural Gas / Inlet Pressure less than 2 PSI / Pressure Drop 1/2" Water Column / Specific Gravity 0.60. Rows include pipe capacities for 1/2", 3/4", 1", 1-1/4", 1-1/2", and 2" pipes at lengths of 20', 40', 60', 80', and 100'.

Table with 7 columns: Liquid Propane / Inlet Pressure 11" Water Column / Pressure Drop 1/2" Water Column / Specific Gravity 1.50. Rows include pipe capacities for 1/2", 3/4", 1", 1-1/4", 1-1/2", and 2" pipes at lengths of 20', 40', 60', 80', and 100'.

\*Total length of piping from outlet of regulator to appliance furthest away.

ADDITIONAL INFORMATION

TRANSFER SWITCH SPECIFICATIONS table with columns for circuit type (Prewired 16 Circuit, Standard 16 Circuit, Symphony II), voltage rating (100 AMP, 150 AMP, 200 AMP), model numbers, and other specifications like UL Approved and NEMA 3R Rated.



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Disclaimer: 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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