

10  
kW

**POWERPROTECT.**  
Standby Generators



# RESIDENTIAL

## Standby Generators



## SPECIFICATIONS

OVERVIEW	
<b>Brand</b>	Briggs & Stratton®
<b>Series Name</b>	Power Protect™
<b>Model Name</b>	PP10
<b>Model Number</b>	040684
<b>Rated AC Voltage (Volts)</b>	120 / 240
<b>Frequency (Hz)</b>	60
<b>Generator Breaker (Amps)</b>	50
<b>Operating Ambient Temperature (°C / °F)</b>	-28 - 40 / -20 - 104
<b>Running Amperage, Standby (LP / NG) (Amps)</b>	41.7 / 33.3
<b>Running Power, Standby (LP / NG) (kW)</b>	10 <sup>1</sup> / 8
<b>Power Factor</b>	1.0
<b>Exercise Duration</b>	20 minutes
Engine	
<b>Engine Brand/Manufacturer</b>	Vanguard®
<b>Model Type</b>	M35
<b>Aspiration</b>	Naturally Aspirated
<b>Speed (RPM)</b>	3600
<b>Displacement (ci/cc)</b>	35 / 570
<b>Compression Ratio</b>	8.3:1
<b>Governor Type</b>	Mechanical

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Engine	
Bore & Stroke (mm / in)	71.9 x 70.1 / 2.83 x 2.76
Cylinder Block	Aluminum with Cast Iron Sleeve
Valve Arrangement	OHV
Engine Cylinder Configuration	V
Number of Cylinders	2
Start Type	Automatic
Frequency Regulation Steady State, No Load to Full Load (%)	(+/-) 2.5
Air Filter Type	Dry
Low Oil Pressure Switch	Yes
Engine Oil Heater	Yes
Rated Temperature (°C / °F)	25 / 77
Sound Rating <sup>2</sup>	
Normal Operating Sound <sup>2</sup> dB(A)	67
Lubrication System	
Type	Full Pressure
Oil Capacity (oz / L)	48 / 1.42
Oil Filter (Quantity / Type)	1 / Cartridge
Oil Brand	Schaeffer
Recommended Oil	5W30 Full Synthetic
Electrical System	
Ignition System	Variable Timing
Battery Quantity	1
Battery Voltage (VDC)	12
Battery CCA (Amps)	540
Battery Grouping Size	26 or 51
Starter Motor Voltage (VDC)	12
Fuel System	
Fuel Type	NG / LPV
Fuel Supply Line Inlet	3/4" 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 (mbar / in H2O)	NG: 9-17 / 3.5-7 LPV: 28-34 / 11-14

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Fuel Consumption <sup>3</sup>	
No Load, NG (BTU/hr)	60,000
No Load, NG (ft <sup>3</sup> /hr)	60
Half Load, NG (BTU/hr)	111,000
Half Load, NG (ft <sup>3</sup> /hr)	111
Full Load, NG (BTU/hr)	169,000
Full Load, NG (ft <sup>3</sup> /hr)	169
No Load, LP (BTU/hr)	59,000
No Load, LP (ft <sup>3</sup> /hr)	24
No Load, LP (gal/hr)	0.70
Half Load, LP (BTU/hr)	107,000
Half Load, LP (ft <sup>3</sup> /hr)	43
Half Load, LP (gal/hr)	1.20
Full Load, LP (BTU/hr)	164,000
Full Load, LP (ft <sup>3</sup> /hr)	66
Full Load, LP (gal/hr)	1.90
Alternator Specifications	
Alternator Type	Self-Excited, Rotating Field
Alternator Manufacturer	Briggs & Stratton
Frequency (Hz)	60
Phase	1
Insulation Rating (Class)	F
Designed Temperature Rise (°C)	105
Bearing (Quantity / Type)	1 / Sealed
Number of Poles	2
Voltage Regulator	Brushed / Electronic
Controls/Instrumentation	
Controller	Briggs & Stratton
Charger	Integrated
Starting	AMF
LED Digital Display	Yes
Alternator Frequency	Yes
Real Time Clock	Yes
Engine Hour Counter	Yes
Engine Runtime Scheduler	Yes

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<b>Controls/Instrumentation</b>	
<b>Low Oil Pressure Shutdown</b>	Yes
<b>High Temperature Shutdown</b>	Yes
<b>Fault Code Display</b>	Yes
<b>Other Features</b>	
<b>Battery Rack and Cables</b>	Yes
<b>Integral Vibration Isolation</b>	Yes
<b>Oil Drain Extension</b>	Yes
<b>Operation and Installation Manual(s)</b>	Yes
<b>Accessories</b>	
<b>Battery Warmer</b>	6182
<b>Maintenance Kit</b>	6873
<b>Remote Status Monitor</b>	6144
<b>Fuel Regulator Warmer</b>	6845
<b>InfoHub™ Universal - Cellular</b>	6574
<b>Limited Warranty<sup>4</sup></b>	
<b>Warranty: Generator, Domestic &amp; Canada (Parts / Labor / Travel) – Years</b>	6
<b>Warranty: Enclosure, Surface Rust and Corrosion (Parts / Labor / Travel) – Years</b>	1
<b>Warranty: Enclosure, Rust Through (Parts / Labor / Travel) – Years</b>	2
<b>Certifications</b>	
<b>UL</b>	Yes
<b>cUL</b>	Yes
<b>Massachusetts Plumbers and Gasfitters Listing</b>	Yes

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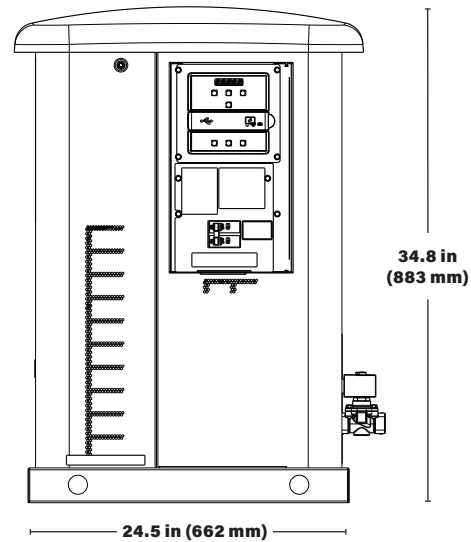
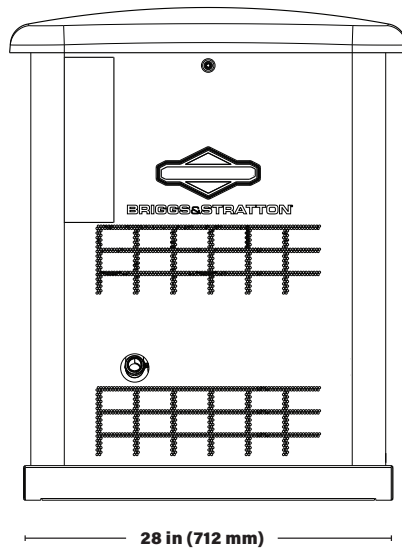
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BRIGGS & STRATTON

Weights & Dimensions	
<b>Assembled Dimensions (Length x Width x Height) (in / mm)</b>	28 x 24.5 x 34.8 / 712 x 622 x 883
<b>Assembled Weight (lbs / kg)</b>	272 / 123
<b>Packaged Dimensions (Length x Width x Height) (in / mm)</b>	39 x 33.5 x 42 / 991 x 851 x 1067
<b>Packaged Weight (lbs / kg)</b>	330 / 150
<b>Outline and Pad Layout Drawing</b>	80104458



<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> Per ISO 3744. Sound level measurement at other locations around generator may differ depending on installation, based on lowest microphone at 7m. Normal operation based on average household usage.

<sup>3</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.

<sup>4</sup> See operator's manual or BRIGGSandSTRATTON.com for complete warranty details.

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 generator is not for Prime Power applications.

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