

10  
kW

**POWERPROTECT**  
Standby Generators



**YOU. POWERED.**

# RESIDENTIAL

## Standby Generators



## SPECIFICATIONS

OVERVIEW	
Brand	Briggs & Stratton®
Series Name	Power Protect™
Model Name	PP10
Model Number	040684
Rated AC Voltage (Volts)	120 / 240
Frequency (Hz)	60
Generator Breaker (Amps)	50
Operating Ambient Temperature (°C / °F)	-28 - 40 / -20 - 104
Running Amperage, Standby (LP / NG) (Amps)	41.7 / 33.3
Running Watts, Standby (LP / NG) (kW)	10 <sup>1</sup> / 8
Power Factor	1.0
Exercise Duration	20 minutes
Engine	
Engine Brand/Manufacturer	Vanguard®
Model Type	M35
Aspiration	Naturally Aspirated
Speed (RPM)	3600
Displacement (ci/cc)	35 / 570
Compression Ratio	8.3:1
Governor Type	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	Optional
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	Fixed 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 H <sub>2</sub> O)	NG: 9-17 / 3.5-7 LPV: 28-34 / 11-14

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<b>Fuel Consumption<sup>3</sup></b>	
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)	1.2
Full Load, LP (BTU/hr)	164,000
Full Load, LP (ft <sup>3</sup> /hr)	66
Full Load, LP (gal/hr)	1.9
<b>Alternator Specifications</b>	
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
<b>Controls/Instrumentation</b>	
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>	6035
<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: Generator, International (Parts / Labor / Travel) – Years/Hours</b>	N/A
<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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## POWERPROTECT<sup>®</sup> Standby Generators RESIDENTIAL STANDBY GENERATORS SPECIFICATIONS



Weights & Dimensions	
Assembled Dimensions (Length x Width x Height) (in / mm)	28 x 24.5 x 34.8 / 712 x 622 x 883
Assembled Weight (lbs / kg)	272 / 123
Packaged Dimensions (Length x Width x Height) (in / mm)	39 x 35.5 x 42 / 991 x 851 x 1067
Packaged Weight (lbs / kg)	330 / 150
Outline and Pad Layout Drawing	80104458

