

17  
kW

**POWERPROTECT**  
Standby Generators



**YOU. POWERED.**

# RESIDENTIAL

## Standby Generators



## SPECIFICATIONS

OVERVIEW	
<b>Brand</b>	Briggs & Stratton®
<b>Series Name</b>	Power Protect™
<b>Model Name</b>	PP17
<b>Model Number</b>	040661
<b>Rated AC Voltage (Volts)</b>	120 / 240
<b>Frequency (Hz)</b>	60
<b>Generator Breaker (Amps)</b>	80
<b>Operating Ambient Temperature (°C / °F)</b>	-28 - 40 / -20 - 104
<b>Running Amperage, Standby (LP / NG) (Amps)</b>	70.8 / 70.8
<b>Running Watts, Standby (LP / NG) (kW)</b>	17 <sup>1</sup> / 17
<b>Power Factor</b>	1.0
<b>Exercise Duration</b>	16 seconds
Engine	
<b>Engine Brand/Manufacturer</b>	Vanguard®
<b>Model Type</b>	M61
<b>Aspiration</b>	Naturally Aspirated
<b>Speed (RPM)</b>	3600
<b>Displacement (ci/cc)</b>	61 / 993
<b>Compression Ratio</b>	9.7:1
<b>Governor Type</b>	Electronic

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Engine	
Bore & Stroke (mm / in)	85.5 x 86.5 / 3.37 x 3.41
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 (%)	+/- 1.0
Air Filter Type	Dry
Low Oil Pressure Switch	Yes
Engine Oil Heater	Optional
Rated Temperature (°C / °F)	25 / 77
Sound Rating <sup>2</sup>	
Low Idle Mode Sound dB(A)	65
Normal Operating Sound <sup>2</sup> dB(A)	68
Lubrication System	
Type	Full Pressure
Oil Capacity (oz / L)	78 / 2.31
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)	99,000
No Load, NG (ft <sup>3</sup> /hr)	99
Half Load, NG (BTU/hr)	170,000
Half Load, NG (ft <sup>3</sup> /hr)	170
Full Load, NG (BTU/hr)	248,000
Full Load, NG (ft <sup>3</sup> /hr)	248
No Load, LP (BTU/hr)	100,000
No Load, LP (ft <sup>3</sup> /hr)	40
No Load, LP (gal/hr)	1.10
Half Load, LP (BTU/hr)	185,000
Half Load, LP (ft <sup>3</sup> /hr)	74
Half Load, LP (gal/hr)	2.1
Full Load, LP (BTU/hr)	295,000
Full Load, LP (ft <sup>3</sup> /hr)	118
Full Load, LP (gal/hr)	3.3
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
Motor Starting Capability (kVA)	41 (35% Voltage Dip)
Total Harmonic Distortion (THD), NL to FL (%)	< 5
Controls/Instrumentation	
Controller	GC-1032
Charger	Stand Alone
Starting	AMF or 2-wire
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>Fuel Solenoid Valve</b>	Yes
<b>Integral Vibration Isolation</b>	Yes
<b>Oil Drain Extension</b>	Yes
<b>Operation and Installation Manual(s)</b>	Yes
<b>Enclosure</b>	Aluminum
<b>Wind Speed Rating (mph)</b>	186
<b>Accessories</b>	
<b>Maintenance Kit</b>	6872
<b>Oil Warmer</b>	6840
<b>Fuel Regulator Warmer</b>	6845
<b>Surge Protector</b>	6631
<b>Gateway</b>	6520
<b>UPS</b>	6581
<b>InfoHub™ Universal - Cellular</b>	6574
<b>Gateway Range Extender</b>	6839
<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>	3 / 1000
<b>Warranty: Enclosure, Surface Rust and Corrosion (Parts / Labor / Travel) – Years</b>	1
<b>Warranty: Enclosure, Rust Through (Parts / Labor / Travel) – Years</b>	3
<b>Certifications</b>	
<b>UL</b>	Yes
<b>cUL</b>	Yes
<b>Massachusetts Plumbers and Gasfitters Listing</b>	Yes

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### Standby Generators

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Weights & Dimensions	
Assembled Dimensions (Length x Width x Height) (in / mm)	46.5 x 26.8 x 28.4 / 1181 x 681 x 721
Assembled Weight (lbs / kg)	435 / 200
Packaged Dimensions (Length x Width x Height) (in / mm)	48.8 x 30.5 x 50.5 / 1240 x 775 x 1283
Packaged Weight (lbs / kg)	520 / 240
Outline and Pad Layout Drawing	80104066

