

#### POWERPROTECT: Standby Generators



#### RESIDENTIAL

**Standby Generators** 



#### **SPECIFICATIONS**

OVERVIEW	
Brand	Briggs & Stratton®
Series Name	Power Protect <sup>™</sup>
Model Name	PP17
Model Number	040661
Rated AC Voltage (Volts)	120 / 240
Frequency (Hz)	60
Generator Breaker (Amps)	80
Operating Ambient Temperature (°C / °F)	-28 - 40 / -20 - 104
Running Amperage, Standby (LP / NG) (Amps)	70.8 / 70.8
Running Watts, Standby (LP / NG) (kW)	171 / 17
Power Factor	1.0
Exercise Duration	16 seconds
Engine	
Engine Brand/Manufacturer	Vanguard®
Model Type	M61
Aspiration	Naturally Aspirated
Speed (RPM)	3600
Displacement (ci/cc)	61 / 993
Compression Ratio	9.7:1
Governor Type	Electronic



# POWERPROTECT. Standby Generators RESIDENTIAL STANDBY GENERATORS SPECIFICATIONS



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	
Туре	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/m³ / BTU/ft³)	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



## POWERPROTECT. Standby Generators RESIDENTIAL STANDBY GENERATORS SPECIFICATIONS



Fuel Consumption <sup>3</sup>	
No Load, NG (BTU/hr)	99,000
No Load, NG (ft³/hr)	99
Half Load, NG (BTU/hr)	170,000
Half Load, NG (ft³/hr)	170
Full Load, NG (BTU/hr)	248,000
Full Load, NG (ft³/hr)	248
No Load, LP (BTU/hr)	100,000
No Load, LP (ft³/hr)	40
No Load, LP (gal/hr)	1.10
Half Load, LP (BTU/hr)	185,000
Half Load, LP (ft³/hr)	74
Half Load, LP (gal/hr)	2.1
Full Load, LP (BTU/hr)	295,000
Full Load, LP (ft³/hr)	118
Full Load, LP (gal/hr)	3.3
<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
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



### POWERPROTECT: Standby Generators



RESIDENTIAL STANDBY GENERATORS SPECIFICATIONS

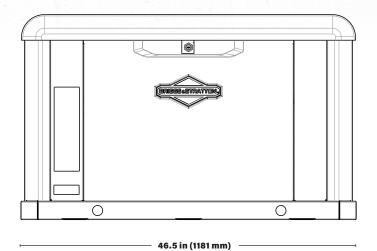
Control   Pressure Shutdown   Yes   Pressu		주의 (2004) (2015) (2015) (2015) (2016) (2016) (2016) (2016) (2016) (2016) (2016) (2016) (2016) (2016) (2016) (2
High Temperature Shutdown Fault Code Display Ves  Chief Factures  Battery Rack and Cables Fuel Sciencial Valve Integral Vibraction Isolation Oil Drain Extension Operation and Installation Manual(s) Enclosure Minds Speed Rating (mph) Rose Recessories  Maintonanco Kit Oil Warmer Bellegulator Warmer Surge Protector Gateway Gateway Gateway Gateway Gateway Range Extender Gateway Range Extender Gateway Range Extender  Battery Rack and Cables  Limited Warranty: Generator, Domestic & Canada (Parts / Labor / Travel) — Years Warranty: Generator, Domestic & Canada (Parts / Labor / Travel) — Years Warranty: Generator, Domestic & Canada (Parts / Labor / Travel) — Years Warranty: Generator, Damestic & Canada (Parts / Labor / Travel) — Years Warranty: Generator, Damestic & Canada (Parts / Labor / Travel) — Years Warranty: Generator, Damestic & Canada (Parts / Labor / Travel) — Years Warranty: Generator, Damestic & Canada (Parts / Labor / Travel) — Years Warranty: Generator, Damestic & Canada (Parts / Labor / Travel) — Years Warranty: Generator, Damestic & Canada (Parts / Labor / Travel) — Years Warranty: Generator, Damestic & Canada (Parts / Labor / Travel) — Years Warranty: Generator, Damestic & Canada (Parts / Labor / Travel) — Years Warranty: Generator, Butt Truoph Corrosion (Parts / Labor / Travel) — Years Warranty: Generator, Butt Truoph (Parts / Labor / Travel) — Years Warranty: Generator, Butt Truoph (Parts / Labor / Travel) — Years  Warranty: Generator, Gen	Controls/Instrumentation	
Fault Code Display Other Fastures  Battery Rack and Cables Fuel Solonoid Valve Integral Vibration Isolation Oil Drain Extension Operation and Installation Manual(s) Enclosure Aluminum Wind Speed Rating (mph) Accessories  Warranty:  Maintenance Kit Oil Warmer Bulled Regulator Warmer Surge Protector Gatoway UPS Gatoway	Low Oil Pressure Shutdown	Yes
Battery Rack and Cables Yes Fuel Solenoid Valve Yes Integral Vibration Isolation Yes Oil Drain Extension Yes Operation and Installation Manual(s) Yes Enclosure Aluminum Wind Speed Rating (mph) 198 Accessories  Maintenance Kit 6872 Oil Warmer 8840 Fuel Regulator Warmer 8845 Surge Protector 6845 Surge Protector 6851 InfoHub" Universal - Cellular 6574 Gateway 86581 InfoHub" Universal - Cellular 6574 Gateway Range Extender 8839 Limited Warranty* Warranty; Generator, International (Perts / Labor / Travel) — Years Hours (Perts / Labor / Travel) — Years (Perts /	High Temperature Shutdown	Yes
Feel Solenoid Valve Feel Solenoid Valve Integral Vibration Isolation Oli Drain Extension Operation and installation Manual(s) Feel Cosure Aluminum Wind Speed Rating (mph) Accessories Maintenance Kit Oli Warmer Feel Regulator Warmer Surge Protector Gateway Gateway Gateway UPS Gateway Gateway Gateway Cosure Cos	Fault Code Display	Yes
Fuel Salenoid Valve Integral Vibration Isolation Ves Oil Drain Extension Operation and Installation Manual(s) Fuel Course  Maintenance Kit Oil Warmer Surge Protector Gateway  UPS Gateway Gateway Gateway Gateway Coursel  UPS Gateway Coursel  Warranty: Generator, Domestic & Canada (Parts / Labor / Travel)   - Years   Coursel / Carranty / Car	Other Features	
Integral Vibration Isolation  OID Drain Extension  Operation and Installation Manual(s)  Enclosure  Mind Speed Rating (mph)  Wind Speed Rating (mph)  Maintenance Kit  OID Warmer  Maintenance Kit  OID Warmer  Fuel Regulator Warmer  Surge Protector  Gateway  UPS  Gateway  GS20  UPS  Gateway GS20  UPS  Gateway GS20  UPS  Gateway Fange Extender  GS40  GS40	Battery Rack and Cables	Yes
Ol Drain Extension Operation and Installation Manual(s) Enclosure Mind Speed Rating (mph) Accessories Maintenance Kit Oil Warmer Bela Regulator Warmer Surge Protector Gateway	Fuel Solenoid Valve	Yes
Poperation and Installation Manual(s)  Enclosure  Aluminum  Wind Speed Rating (mph)  Accessories  Waintenance Kit  Oil Warmer  Ballo Regulator Warmer  Surge Protector  Gateway  Gateway  UPS  Gateway G520  UPS  Gateway G520  UPS  Gateway Range Extender  Gateway G574  Gateway Range Extender  Warranty: Generator, Domestic & Canada (Parts / Labor / Travel) — years Mustand (Parts / Labor / Travel) — years Mustand (Parts / Labor / Travel) — years  Warranty: Enclosure, Surface Rust and Corrosion (Parts / Labor / Travel) — years  UL  Cuttle Cattle Ca	Integral Vibration Isolation	Yes
Enclosure Aluminum  Wind Speed Rating (mph) 185  Accessories  Maintenance Kit 6872  Oil Warmer 6840  Fuel Regulator Warmer 6845  Surge Protector 6631  Gateway 6520  UPS 6581  InfoHub* Universal - Cellular 6574  Gateway Range Extender 8839  Limited Warranty*  Warranty: Generator, Domestic & Canada (Parts / Labor / Travel) - Years  Warranty: Generator, International (Parts / Labor / Travel) - Years  Warranty: Enclosure, Rust and Corrosion (Parts / Labor / Travel) - Years  Certifications  UL Yes  Massachusetts Plumbers and Gasfitters  Massachusetts Plumbers and Gasfitters	Oil Drain Extension	Yes
Wind Speed Rating (mph)  Accessories  Maintenance Kit 6872  Oil Warmer 6840  Fuel Regulator Warmer 6845  Surge Protector 6631  Gateway 6520  UPS 6581  InfoHub" Universal - Cellular 6574  Gateway Range Extender 6839  Limited Warranty:  Warranty: Generator, Domestic & Canada (Parts / Labor / Travel) — Years  Warranty: Generator, International (Parts / Labor / Travel) — Years  Warranty: Enclosure, Surface Rust and Corrosion (Parts / Labor / Travel) — Years  UL Certifications  UL Ves Massachusetts Plumbers and Gasfitters	Operation and Installation Manual(s)	Yes
Maintenance Kit 6872 Oil Warmer 6840 Fuel Regulator Warmer 6845 Surge Protector 6631 Gateway 6520 UPS 6581 InfoHub" Universal - Cellular 6574 Gateway Range Extender 6839  Limited Warranty* Warranty: Generator, Domestic & Canada (Parts / Labor / Travel) — Years Warranty: Generator, International (Parts / Labor / Travel) — Years Warranty: Enclosure, Rust Through (Parts / Labor / Travel) — Years  Warranty: Enclosure, Rust Through (Parts / Labor / Travel) — Years  UL Yes Massachusetts Plumbers and Gasfitters	Enclosure	Aluminum
Maintenance Kit  Oil Warmer 6840  Fuel Regulator Warmer 6845  Surge Protector 6631  Gateway 6520  UPS 6581  InfoHub" Universal - Cellular 6574  Gateway Range Extender 6839  Limited Warranty*  Warranty: Generator, Domestic & Canada (Parts / Labor / Travel) — Years  Warranty: Generator, International (Parts / Labor / Travel) — Years  Warranty: Enclosure, Surface Rust and Corrosion (Parts / Labor / Travel) — Years  Warranty: Enclosure, Rust Through (Parts / Labor / Travel) — Years  UL  Cettifications  UL  Yes  Massachusetts Plumbers and Gasfitters	Wind Speed Rating (mph)	186
Coll Warmer  Fuel Regulator Warmer  6845  Surge Protector  6631  Gateway  6520  UPS  6581  InfoHub** Universal - Cellular  6574  Gateway Range Extender  6839  Limited Warranty*  Warranty: Generator, Domestic & Canada (Parts / Labor / Travel) — Years  Warranty: Enclosure, Surface Rust and Corrosion (Parts / Labor / Travel) — Years  Warranty: Enclosure, Surface Rust and Corrosion (Parts / Labor / Travel) — Years  Warranty: Enclosure, Rust Through (Parts / Labor / Travel) — Years  Warranty: Enclosure, Rust Through (Parts / Labor / Travel) — Years  Warranty: Enclosure, Rust Through (Parts / Labor / Travel) — Years  Certifications  UL  Ves  Massachusetts Plumbers and Gasfitters	Accessories	
Fuel Regulator Warmer  Surge Protector  Gateway  G631  Gateway  G6520  UPS  G6581  InfoHub" Universal - Cellular  Gateway Range Extender  G8839  Limited Warranty'  Warranty: Generator, Domestic & Canada (Parts / Labor / Travel) — Years  Warranty: Enclosure, Surface Rust and Corrosion (Parts / Labor / Travel) — Years  Warranty: Enclosure, Rust Through (Parts / Labor / Travel) — Years  Warranty: Enclosure, Rust Through (Parts / Labor / Travel) — Years  UL  Ves  Massachusetts Plumbers and Gasfitters	Maintenance Kit	6872
Surge Protector  Gateway  Gateway  Gateway  Gateway  Gateway Range Extender  G	Oil Warmer	6840
Gateway  UPS 6581  InfoHub" Universal - Cellular 6574  Gateway Range Extender 6839  Limited Warranty*  Warranty: Generator, Domestic & Canada (Parts / Labor / Travel) — Years  Warranty: Generator, International (Parts / Labor / Travel) — Years / Hours  Warranty: Enclosure, Surface Rust and Corrosion (Parts / Labor / Travel) — Years  Warranty: Enclosure, Rust Through (Parts / Labor / Travel) — Years  UL Yes  Massachusetts Plumbers and Gasfitters	Fuel Regulator Warmer	6845
UPS  InfoHub" Universal - Cellular  Gateway Range Extender  Gateway Range Extender  Elimited Warranty:  Warranty: Generator, Domestic & Canada (Parts / Labor / Travel) – Years  Warranty: Generator, International (Parts / Labor / Travel) – Years/Hours  Warranty: Enclosure, Surface Rust and Corrosion (Parts / Labor / Travel) – Years  Warranty: Enclosure, Rust Through (Parts / Labor / Travel) – Years  UL  Certifications  UL  Yes  Massachusetts Plumbers and Gasfitters	Surge Protector	6631
InfoHub" Universal - Cellular  Gateway Range Extender  Elimited Warranty*  Warranty: Generator, Domestic & Canada (Parts / Labor / Travel) - Years  Warranty: Generator, International (Parts / Labor / Travel) - Years  Warranty: Enclosure, Surface Rust and Corrosion (Parts / Labor / Travel) - Years  Warranty: Enclosure, Rust Through (Parts / Labor / Travel) - Years  UL  Certifications  UL  Yes  Massachusetts Plumbers and Gasfitters	Gateway	6520
Gateway Range Extender  Limited Warranty*  Warranty: Generator, Domestic & Canada (Parts / Labor / Travel) – Years  Warranty: Generator, International (Parts / Labor / Travel) – Years/Hours  Warranty: Enclosure, Surface Rust and Corrosion (Parts / Labor / Travel) – Years  Warranty: Enclosure, Rust Through (Parts / Labor / Travel) – Years  UL  Certifications  UL  Yes  Massachusetts Plumbers and Gasfitters	UPS	6581
Warranty: Generator, Domestic & Canada (Parts / Labor / Travel) — Years  Warranty: Generator, International (Parts / Labor / Travel) — Years/Hours  Warranty: Enclosure, Surface Rust and Corrosion (Parts / Labor / Travel) — Years  Warranty: Enclosure, Rust Through (Parts / Labor / Travel) — Years  UL Yes  Massachusetts Plumbers and Gasfitters	InfoHub™ Universal - Cellular	6574
Warranty: Generator, Domestic & Canada (Parts / Labor / Travel) — Years  Warranty: Generator, International (Parts / Labor / Travel) — Years/Hours  Warranty: Enclosure, Surface Rust and Corrosion (Parts / Labor / Travel) — Years  Warranty: Enclosure, Rust Through (Parts / Labor / Travel) — Years  UL  Yes  Massachusetts Plumbers and Gasfitters  6  7 / 1000  7 / 100	Gateway Range Extender	6839
Warranty: Generator, International (Parts / Labor / Travel) — Years/Hours  Warranty: Enclosure, Surface Rust and Corrosion (Parts / Labor / Travel) — Years  Warranty: Enclosure, Rust Through (Parts / Labor / Travel) — Years  Certifications  UL  Yes  Massachusetts Plumbers and Gasfitters	Limited Warranty <sup>4</sup>	
(Parts / Labor / Travel) — Years/Hours  Warranty: Enclosure, Surface Rust and Corrosion (Parts / Labor / Travel) — Years  Warranty: Enclosure, Rust Through (Parts / Labor / Travel) — Years  3  Certifications  UL Yes  CUL Yes  Massachusetts Plumbers and Gasfitters		6
Corrosion (Parts / Labor / Travel) — Years  Warranty: Enclosure, Rust Through (Parts / Labor / Travel) — Years  Certifications  UL Yes  CUL Yes  Massachusetts Plumbers and Gasfitters		3 / 1000
(Parts / Labor / Travel) — Years  Certifications  UL Yes  CUL Yes  Massachusetts Plumbers and Gasfitters	Warranty: Enclosure, Surface Rust and Corrosion (Parts / Labor / Travel) — Years	1
UL Yes  CUL Yes  Massachusetts Plumbers and Gasfitters  Ves		3
cUL Yes  Massachusetts Plumbers and Gasfitters  Ves	Certifications	
Massachusetts Plumbers and Gasfitters	UL	Yes
VAC	cUL	Yes
		Yes

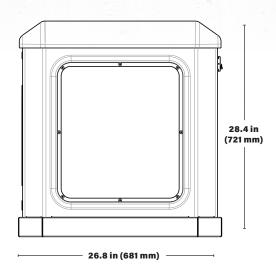


## POWERPROTECT Standby Generators RESIDENTIAL STANDBY GENERATORS SPECIFICATIONS



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









<sup>&</sup>lt;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 POST OFFICE BOX 702 MILWAUKEE, WI 53201 USA

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