



M O D E L S E R I E S

**PM400911001**

*Gaseous Fueled Stationary Standby*

10kW\*

60Hz

Residential/Light Commercial Standby Generator

| Model<br>PM400911001 |       | Propane<br>Standby Rating** |     |     | Full Load<br>Current | Motor<br>Starting   | Alternator<br>Insulation | MLCB<br>Rating |
|----------------------|-------|-----------------------------|-----|-----|----------------------|---------------------|--------------------------|----------------|
| Voltage              | Phase | Hertz                       | kW  | kVA | Amps                 | SkVA <sup>(1)</sup> | Class                    | Amps           |
| 120/240              | 1     | 60                          | 9.2 | 9.2 | 76.6/38.3            | 17                  | H                        | 45             |

\* Rated for maximum intermittent standby on LPG gas.  
 \*\* Nameplate rating for continuous standby operation for the duration of the outage.  
 Derate 15% when using natural gas. Derate 4% per 1000 feet above 500 feet and 1% per 10°F temperature increase above 77°F.

<sup>(1)</sup> Rated @ 30% Voltage Dip

**Standard Features**

**Briggs & Stratton Vanguard Engine**

- Proven & Dependable V-Twin Engine
- Specially Designed For Use On LPG/Natural Gas
- CARB & EPA Certified

**2-Pole Alternator**

- 2/3 Pitch Winding For Reduced Harmonics (<5%)
- Low Waveform Distortion (<7%)
- Simple & Reliable Self Voltage Regulated Design (± 5%)
- Computer Safe Alternator

**Sound Attenuated Weather Enclosure**

- 16 Gauge Steel Enclosure With Sound Material Installed
- Composite Mounting Pad Included For Faster Installation
- Powder Painted Almond Color Finish
- Lockable Hinged Top Lid For Ease Of Service
- Critical Grade Muffler Integral To Enclosure

**Fuel System**

- Operates On Liquefied Petroleum Gas Or Natural Gas
- Simple Field Conversion Between Fuels
- 12v D.C. Positive Lock-off Valve For Added Safety

**Cooling System**

- Low Maintenance Air/Oil Cooling
- Rated For Operation In Temperatures Up To 104° F
- Factory Equipped With Oil Cooler For Added Protection
- High Temperature Shutdown Protection

**Main Line Circuit Breaker**

- UL 489 Listed Circuit Breaker Rated 10kA AC @ 240v
- Molded Case Design

**Digital Remote Start/Stop Controller**

- Automatic Remote Start (2-wire)
- Engine Over -Temperature Protection
- Overspeed Protection
- Overcrank Protection
- Battery Condition Monitoring
- Underspeed Protection
- On-Off-Auto Selector Switch
- Engine Oil Pressure Protection
- Engine Run Time Metering

**3-Year/1500 Hour Warranty**

- Best Standard Warranty In Its' Class

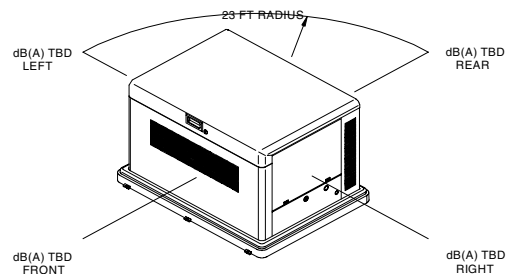
**Available Accessories:**

- Engine Block Heater Kit (P/N 165-0260)
- Transfer Switches



**Sound Data**

**Less than 70 dB(A) Average @ 23' (7m) @ Full Load**



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**Engine Data**

*General*

|                         |                                |
|-------------------------|--------------------------------|
| Manufacturer            | Briggs & Stratton              |
| Model                   | Vanguard                       |
| Type                    | 4-Cycle, 90° V, Overhead Valve |
| Horsepower              | 18 Maximum (LPG) @ 3600rpm     |
| Cylinder Block Material | Aluminum                       |
| Cylinders               | 2                              |
| Aspiration              | Natural                        |
| Air Cleaner             | Replaceable Dry Element        |
| Displacement            | 570 cc                         |
| Compression Ratio       | 8.25:1                         |
| Bore                    | 72 mm                          |
| Stroke                  | 72 mm                          |
| RPM                     | 3600                           |
| Engine Governing        | ± 5% - Mechanical              |

*Fuel System*

Fuel System Briggs & Stratton Dry Fuel Solenoid Shift Carburetor - Fuel Mixer Secondary Regulator, 12vdc Positive Locking Shut-off Solenoid

Fuel Type Liquefied Petroleum Gas(Vapor) Or Natural Gas  
 Injection Method Carburetor Induction

*Lubrication System*

Lube Oil System Centrifugal Pump, Spin-on-Full Flow Filter  
 Lube Oil Capacity 1.8 Quarts W/Filter  
 Engine Heater (Accessory) 120V, 75 Watt Thermostatically Controlled

*Electrical*

Starting Voltage 12v negative ground  
 Battery Size Required BCI Group 26, (Battery Rack & 4 Gauge Cables Included)  
 Cranking Current 450cca @ 0°F  
 Battery Charging Alternator 16 amps, Regulated  
 Battery Charger (120v AC) Bulk - 6A, 12vdc Absorption - 5.5A, Taper To 1.5A Between 13-14.4vdc  
 Float - 0.1 To 0.3A, 13.3vdc K 0.3vdc

**Fuel System**

Fuel Type Liquefied Petroleum Gas Vapor or Natural Gas  
 Fuel Supply Inlet 1/2" NPT  
 Fuel Supply Pressure 7-11 (In/H<sub>2</sub>O) / 4-6 (Oz/In<sup>2</sup>)

**Fuel Consumption**

| <b>Fuel Consumption @ % Load</b> | <b>LP Vapor (Cubic Feet/Hour)</b> | <b>LP Vapor (Gallons/Hour)</b> | <b>Natural Gas (Cubic Feet/Hour)</b> |
|----------------------------------|-----------------------------------|--------------------------------|--------------------------------------|
| 25%                              | 15                                | 0.4                            | 37                                   |
| 50%                              | 34                                | 0.9                            | 84                                   |
| 75%                              | 45                                | 1.2                            | 114                                  |
| 100%                             | 66                                | 1.8                            | 162                                  |

**Engine Generator Application/Installation Data**

|                              |         |
|------------------------------|---------|
| Engine Cooling Airflow       | 650 CFM |
| Alternator Airflow           | 200 CFM |
| Total Airflow                | 850 CFM |
| Maximum Exhaust Flow         | 87 CFM  |
| Maximum Exhaust Backpressure | 1.5 PSI |
| Exhaust Temperature          | 1300 °F |

**Weight: 455lbs.**

**Dimensions:**

