



PSS50LS PACKAGED STANDBY GENERATOR

| MODEL NUMBER | POWER OUTPUT (60hz) | KW | L.P. GAS | | NATURAL GAS | | |
|--------------|-----------------------------|------|----------|------|-------------|------|------|
| | | | KVA | AMPS | KW | KVA | AMPS |
| PSS50LS | 120/240V, 1-Phase, 1.0 p.f. | 50.0 | 50.0 | 208 | 45.0 | 45.0 | 187 |
| PSS50LS-4 | 120/208V, 3-Phase, .8 p.f. | 50.0 | 62.5 | 173 | 45.0 | 56.2 | 156 |
| PSS50LS-17 | 120/240V, 3-Phase, .8 p.f. | 50.0 | 62.5 | 150 | 45.0 | 56.2 | 135 |
| PSS50LS-18 | 277/480V, 3-Phase, .8 p.f. | 50.0 | 62.5 | 75 | 45.0 | 56.2 | 67.5 |

Power Rating - Continuous Standby; Derate 3.5% per 1,000 feet elevation above sea level.

Engine Specifications and Features

The 8 cylinder, overhead valve GM 5.7L engine develops 102 hp at 1800 rpm with a displacement of 350 cu.in. The engine is controlled by an electronic governor, maintaining frequency at 60hz +/- .5%. DB rating is 74 dBA at standard 7 meters.

The engine features include electronic ignition, engine blockheater and a vapor fuel system as standard. A critical grade muffler is installed to reduce engine noise levels. Battery rack and cables, and a battery tender (charger) are also installed in the standard package. A BCI Group 24 650 CCA battery must be purchased separately.

Engine cooling is provided by a unit mount radiator. The engine is equipped with a belt driven pusher type fan.

| Fuel Consumption | Full Load | Half Load |
|------------------|-------------------------|-------------------------|
| LP Gas | 10 gal/hr | 6.5 gal/hr |
| Natural Gas | 725 ft ³ /hr | 500 ft ³ /hr |
| LP Gas | 915,572 BTU/hr | 595,034 BTU/hr |
| Natural Gas | 725,000 BTU/hr | 500,000 BTU/hr |

Generator

The generator is a single bearing rotating field generator mounted to the engine flywheel via dual flex drive discs. Three phase generators have 12 lead broad range reconnectable stators; single phase stators are 4 lead. An external voltage regulator maintains proper voltage output, accurate to +/- 1%. The generator features Class H insulation with harmonic distortion of less than 5% at full load.

Telephone interference; The THF (as defined by BS4999 Part 40) is better than 2%. The TIF (as defined by ASA C50.12) is better than 50.

The engine generator combination has the ability to start and operate motors up to 23 hp Code G. Mainline circuit breaker included for generator protection.

Engine/Generator Control System

- * Solid state digital control with LCD display
- * Run-Off-Auto function is controlled by three push buttons with indicator lights
- * LCD Displays: Engine Oil Pressure, Coolant Temperature, Battery Voltage Level and Frequency continuously, with the ability to toggle the voltage and amperage on each phase.
- * Three additional Indicator Lamps notify the user when the system is Not-In-Auto, in Alarm condition, or when the generator is supplying over 2% of its capacity to the loads.

Digital Engine Control Standard Set Up:

| | |
|-------------------------------------|------------|
| * Start Delay | 10 seconds |
| * Cool Down Delay | 5 minutes |
| * Cycle Cranking | 3 cycles |
| * Overcrank Protection | Standard |
| * Overspeed Protection | Standard |
| * Low Oil Pressure Protection | Standard |
| * High Water Temperature Protection | Standard |

Options:

- * NFPA 99 and NFPA 110 compatible Digital Controls available with pre-alarms.
- * Remote displays with 7 pre-alarms and 8 alarm indicators, switch off auto and unit supplying load lamps.
- * Vapor fuel strainer.
- * LPG liquid withdrawal fuel system.
- * Optional automatic transfer switch sold separately. Contact factory for sizes and types available.

Warranty Information

| | |
|-----------|-------------------|
| Generator | 2 yrs or 1000 hrs |
| Engine | 1 yr or 2000 hrs |

Size and Weight

| | |
|--------------------|----------------|
| L x W x H (in.) | 99.5 x 40 x 49 |
| Ship Weight (lbs.) | 2533 lbs. |

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