



# PSS27LS PACKAGED STANDBY GENERATOR

MODEL NUMBER	POWER OUTPUT (60hz)	KW	L.P.GAS		NATURAL GAS		
			KVA	AMPS	KW	KVA	AMPS
PSS27LS	120/240V, 1-Phase, 1.0 p.f.	27.0	27.0	112	24.0	24.0	100
PSS27LS-4	120/208V, 3-Phase, .8 p.f.	27.0	33.7	94	24.0	30.0	83
PSS27LS-17	120/240V, 3-Phase, .8 p.f.	27.0	33.7	81	24.0	30.0	72
PSS27LS-18	277/480V, 3-Phase, .8 p.f.	27.0	33.7	40	24.0	30.0	36

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

### Engine Specifications and Features

The 4 cylinder, overhead valve GM 3.0 engine develops 48 hp at 1800 rpm with a displacement of 181 cu.in. The engine is controlled by an electronic governor, maintaining frequency at 60hz +/- .5%.

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	3.3 gal/hr	2.4 gal/hr
Natural Gas	320 ft <sup>3</sup> /hr	197 ft <sup>3</sup> /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 12 hp Code G.

### Size and Weight

L x W x H (in.)	88 x 35.3 x 48.5
Ship Weight (lbs.)	1544 lbs.

### 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

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