



PSS25 PACKAGED STANDBY GENERATOR

MODEL NUMBER	POWER OUTPUT (60hz)	KW	L.P. GAS			NATURAL GAS		
			KVA	AMPS	KW	KVA	AMPS	
PSS25	120/240V, 1-Phase, 1.0 p.f.	25.0	25.0	104	25.0	25.0	104	
PSS25-4	120/208V, 3-Phase, .8 p.f.	25.0	31.2	87	25.0	31.2	87	
PSS25-17	120/240V, 3-Phase, .8 p.f.	25.0	31.2	75	25.0	31.2	75	
PSS25-18	277/480V, 3-Phase, .8 p.f.	25.0	31.2	38	25.0	31.2	38	

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

Engine Specifications and Features

The 4 cylinder, overhead valve Ford 1.6 liter engine develops 52 hp at 3600 rpm with a displacement of 97.5 cu.in. The engine is controlled by an electronic governor, maintaining frequency at 60hz +/- .5%. DB rating is 71 dBA at 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	4.1 gal/hr	2.6 gal/hr
Natural Gas	375 ft ³ /hr	236 ft ³ /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 10 hp Code G. Mainline circuit breaker included for generator protection.

Engine/Generator Control System

- * A solid-state engine control module provides safe dependable engine operation and safety monitoring.
- * Run-Off-Auto is controlled by a panel-mounted toggle switch.
- * A panel-mounted four-light cluster provides the operator a visual reference in case of an engine safety shutdown.
- * A running time meter is provided to allow the operator to track and schedule engine maintenance.

Engine Control Standard Set Up Includes:

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

Options

- * Vapor fuel strainer.
- * LPG liquid withdrawal fuel system.
- * Optional automatic transfer switch sold separately. Contact factory for sizes and types available.

Size and Weight

L x W x H (in.)	80 x 34.25 x 43.4
Ship Weight (lbs.)	1494 lbs.

Warranty Information

Generator	1 year
Engine	5 yrs or 3000 hrs