

Mitsubishi S12R Engines & Ancillaries



Standard Features:

- * 2 Models - Rating 1500kW or 1400kW Standby
- * ISO Standard 40' container
- * Bi Fuel - 100% Diesel or up to 70% natural gas
- * Remote connections for day tanks and fuel lines
- * Block Heater
- * Battery charging alternator
- * Lube oil cooler
- * Siemens switch gear
- * Micro Pro controller
- * Turbocharger
- * Electronic Governor
- * Electric starter
- * Jacket Water Pump
- * Lube Oil Pump
- * Full service history and manuals

Mitsubishi S12R Bi Fuel Generator Sets

Originally installed in 2001 by SimPower for The Power Company utility at the Moses Lake Power Plant in the state of Washington to operate as a 62 MW peak shaving plant. The utility sold the assets to Sempra Energy in 2005 who began to market the plants assets.

The Mitsubishi S12R is one of the most widely used engines due to offering efficiency, reliability and durability. This plant includes two generator models, the SP1500 and the SP1400. The primary difference between these units is that the 1500 is equipped with an air cooled radiator which increases its output to 1500 kW, where the 1400 has a water cooled radiator.

Walters Power can also provide ammonia based SCR units for an additional cost if desired. The units can also be modified to run on bio fuel and can be converted to 50Hz.



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Generator Sets

Manufacturer	SimPower	
Model	SP1500	SP1400
Standby Rating	1500 kW	1400 kW
Prime Rating	1350 kW	1250 kW

Engine

Engine	S12R-PTAA	S12R-PTA
Cylinders	12	12
Displacement	49.03 liters	49.03 liters
Bore	6.69 in (170 mm)	
Stroke	7.09 in. (180 mm)	
RPM	1800 rpm	
Phase	3 Phase	
A/C Voltage	277 / 480V	
Fuel	Diesel/Natural Gas	
Type	Water Cooled, 4 cycle	
Frequency	60 hz	



Alternator Leroy Somer LS2000 MTG82, 1800 kW, 480v, 125 deg C over 40 deg C rise

Switching Gear Siemens SBS 2500

Control PanelMicro Pro,

Fuel Supply GTI BFS-G-1800, Bi Fuel 100% Diesel or up to 70% mixture Natural Gas

Governor..Barber Coleman DYNA-8000, Load Share Module DYNA2-80100

SCRClean Air Power 173WR22, Aqueous Ammonia solution, Sound attenuated