

# GENERAC POWER SYSTEM 1020kw



## Standard Features:

- \* Rating 1020kW, 1110kVA
- \* Diesel Fuel
- \* 480 Volt
- \* 3 Phase
- \* 1800 RPM
- \* Permanent Magnet Exciter
- \* Battery Charge Alternator
- \* Water Pump
- \* Coolant Heater
- \* Oil Pump
- \* Turbocharger/Aftercooled
- \* Electronic/Isochronous Governor
- \* Valve Train
- \* Automatic Shutdown Safety Features
- \* Full service history and manuals

## Generac Power Systems - 1 MW Diesel Generators

Walters Power International purchased one (1) Generac Power Modules from Atmos Energy. Atmos Energy was a utility distributor for Generac and in 2001 purchased this one (1) power module. The units were to be used in an Industrial peak shaving application in Tennessee. The unit has 68 hours as they were started for test hours only.

This Generac Power Module are built with the Mitsubishi S12H engine which is used in many applications around the world. The S12H is a trend-setting engine that employs mechanical unit injectors in the fuel injection system to make the engine compact, and features increased BMEP. Owing to various technical advancements, a specific fuel consumption of 197 g/(kWh) and an NOx emission of 840 ppm have been achieved. Furthermore, overload endurance tests, low cyclic endurance tests, and generator set tests have been carried out to prove its high reliability.



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## Engine

Manufacturer	.Mitsubishi	
Engine	.S12H-PTA	
Rating	.1020 kW , 1110 kVA	
Cylinders.	.12	
Displacement	.37 liters	
Bore	.5.91 in. (150 mm)	
Stroke	.6.89 in. (175 mm)	
RPM	.1800 rpm	
Phase	.3 Phase	
Voltage	.480	
Fuel	.Diesel	
Frequency	.60 hz	
Aspiration	.Turbocharged/Aftercooled	
Governor.	.Electronic / Isochronous	
Fuel Consumption.	Gal / hr.	Liters / hr
	100%	63.03 . . . . . 238.56
	75%	47.27 . . . . . 178.92
	50%	31.51 . . . . . 119.28



## Generator

Manufacturer	.Generac / Marathon	
Model.	.575RSL4044	
Amps	.1535	
Type.	.Four-pole, revolving field	
Load Capacity	.100% Standby , 110% Prime	
Rotor & Stator Insulation	.Class H	

## Cooling System

Coolant Heater.	.2 x 240v (2500 W)	
Type.	.Pres. Closed Recovery	
Water Pump.	.Pre-Lubed, Self Sealing	

## Standard Safety Features

Automatic Shutdown.	.High Coolant
	Low Coolant
	Low Oil Pressure
	Overspeed

## Miscellaneous

Battery Charge Alternator
Vibration Isolation
Fuel Injection System
Fuel Tank