

**Standard Features**
**Engine**

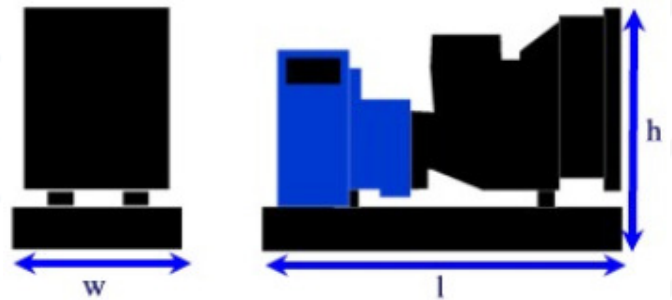
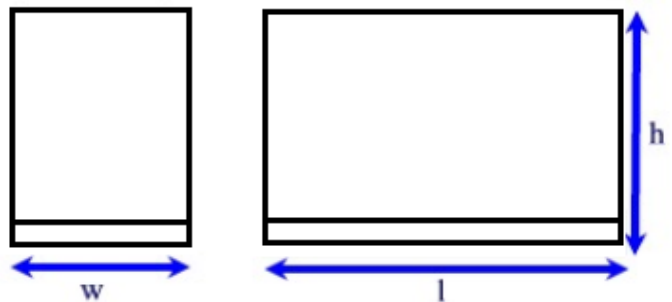
Make / Model: Volvo Penta / TWD1643GE  
 Charging Alternator: 24V  
 Governor: Electronic  
 Radiator: Tropical  
 Air Filter: w/ rain cover

**Generator**

Make / Model: Leroy Somer / LSA 49.1 S4  
 Coupling: Single Bearing  
 IP Rating: IP23  
 Insulation Class: H  
 AVR: R250

**Generating Set**

AC-DC Control Panel  
 Silencer w/ Flexible  
 Anti Vibration Mounting  
 Daily Fuel Tank  
 Battery  
 Manual Book  
 Test Report

**Open Type**

**Silent Type**

**Weight and Dimension**

Generating Set Type	Dimension (l x w x h)	Weight
Open Type	360 x 140 x 200 cm	4263 kg
Silent Type	525 x 180 x 230 cm	5482 kg

**Engine Data**

Make / Model	Volvo Penta / TWD1643GE
Cylinder / Arrangement	6 / Inline
Displacement	16.12 L
Bore and Stroke	144 mm x 165 mm
Compression Ratio	16.5 : 1
Rated Prime KWe	504
Rated RPM	1500 RPM
Frequency Regulation, Steady State	≤1%
Governor	Electronic



**Engine Data (Cont'd)**

Exhaust Gas Flow	101.6 m <sup>3</sup> /min
Exhaust Temperature	450 °C
Max Allowable Back Pressure	10 kPa
Fuel Consumption 100% of Prime Rating	125.37 L / H
Total Oil Capacity w/ Filters	48 L
Engine Air Flow	1541 cfm
Radiator and Engine Water Capacity	60 L
Max Water Temperature	103 °C

**Generator Data**

Make / Model	Leroy Somer / LSA 49.1 S4
Number of Phase	3
Cos Phi	0.8
Pole	4
Coupling	Single Bearing
Exciter Type	Brushless
Insulation Class / Temperature Rise	H / H
IP Rating	IP23
AVR Type	R250

**Control Panel**

Make / Model	Deep Sea Electronics / DSE4520
Engine Parameters	Oil Pressure, Water Temperature, RPM (MPU-derived)
Generator Parameters	Frequency, Voltage, Ampere, Cos Phi
Protection	Low Oil Pressure, High Water Temperature, Over-Under Speed, Over-Under Frequency, Over-Under Voltage, Over Current
Other Features	Emergency Stop, Hour Counter, AMF



\*Due to continuous product improvements, specifications might change without prior notice  
\*\*For best results, please contact your nearest PRIME® Generating Set dealer for consultations