

Standard Features
Engine

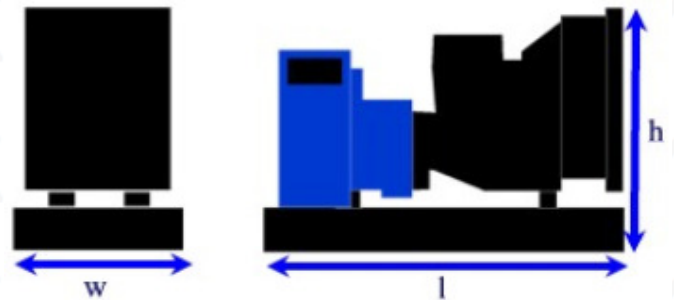
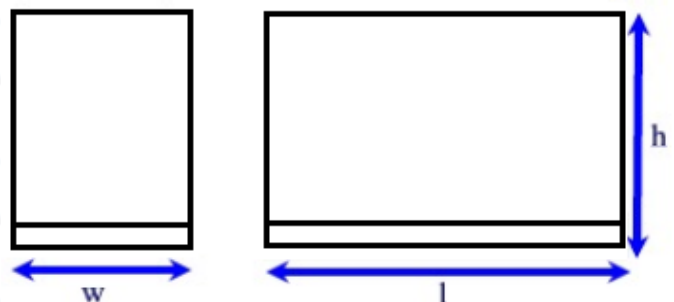
Make / Model: Perkins / 1103A-33G
 Charging Alternator: 12V
 Governor: Mechanical
 Radiator: 50 °C with coolant cap
 Air Filter: Dry Type

Generator

Make / Model: Stamford PI144G
 Coupling: Single Bearing
 IP Rating: IP23
 Insulation Class: H
 AVR: AS440

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	165 x 77 x 120 cm	729 Kg
Silent Type	200 x 100 x 125 cm	1095 Kg

Engine Data

Make / Model	Perkins / 1103A-33G
Cylinder / Arrangement	3 / Inline
Displacement	3.3 L
Bore and Stroke	105 mm x 127 mm
Compression Ratio	19.25 : 1
Rated Prime kWe	24
Rated RPM	1500 RPM
Frequency Regulation, Steady State	± 1 %
Governor	Mechanical



Data Sheet

Engine Data (Cont'd)

Exhaust Gas Flow	5.8 m ³ /min
Exhaust Temperature	520 °C
Max Allowable Back Pressure	8 kPa
Fuel Consumption 100% of Prime Rating	7.1 L / h
Total Oil Capacity w/ Filters	8.3 L
Engine Air Flow	2.15 m ³ /min
Radiator and Engine Water Capacity	10.2 L
Max Water Temperature	110 °C

Generator Data

Make / Model	Stamford / PI144G
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	AS440

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



THE HEART OF EVERY GREAT MACHINE



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