

Standard Features
Engine

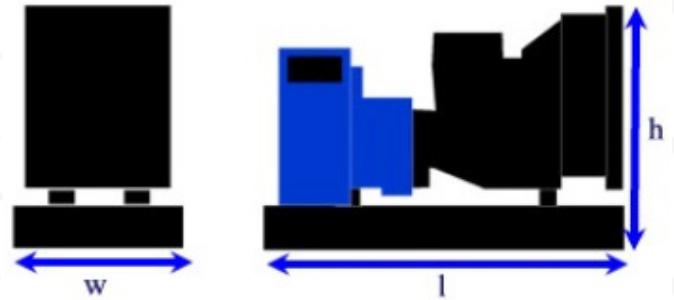
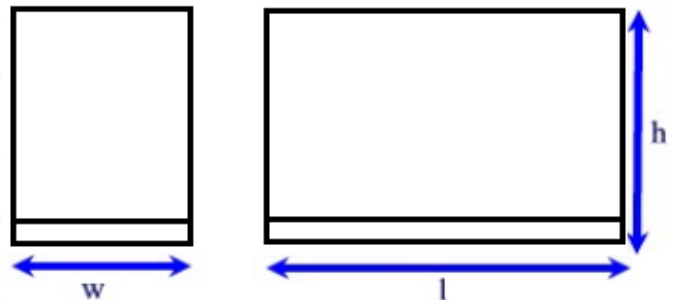
Make / Model: Perkins / 404A-22G1
 Charging Alternator: 12V
 Governor: Mechanical
 Radiator: 50 °C with coolant cap
 Air Filter: Dry Type

Generator

Make / Model: Stamford PI144D
 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	132 x 70 x 100 cm	534 Kg
Silent Type	180 x 90 x 115 cm	758 Kg

Engine Data

Make / Model	Perkins / 404A-22G1
Cylinder / Arrangement	4 / Inline
Displacement	2.216 L
Bore and Stroke	84 mm x 100mm
Compression Ratio	23.3 : 1
Rated Prime kWe	16
Rated RPM	1500 RPM
Frequency Regulation, Steady State	± 1 %
Governor	Mechanical



Data Sheet

Engine Data (Cont'd)

Exhaust Gas Flow	3.94 m ³ /min
Exhaust Temperature	505 °C
Max Allowable Back Pressure	10.2 kPa
Fuel Consumption 100% of Prime Rating	5.4 L / h
Total Oil Capacity w/ Filters	10.6 L
Engine Air Flow	1.45 m ³ /min
Radiator and Engine Water Capacity	7 L
Max Water Temperature	112 °C

Generator Data

Make / Model	Stamford / PI144D
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