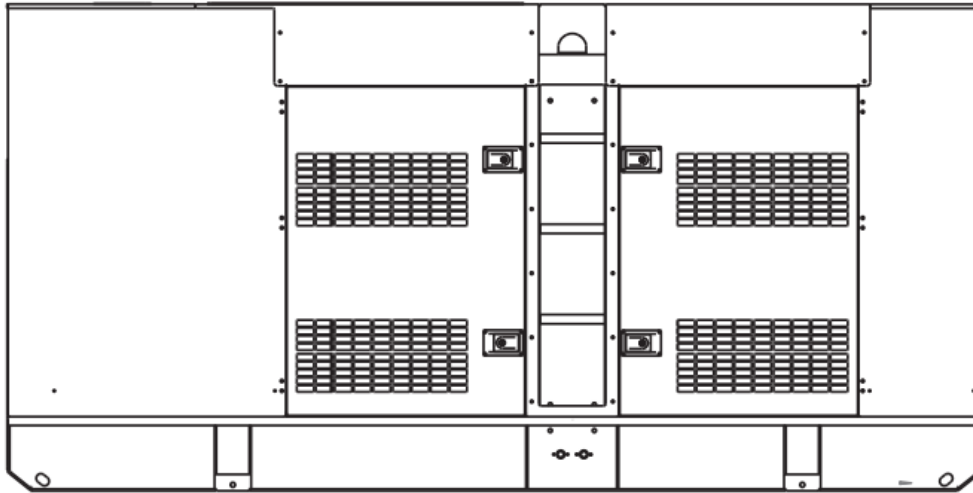


POWER OUTPUT

Prime Rating — 229 kW (286 kVA)
 Standby Rating — 254 kW (317 kVA)
 3-Phase, 60 Hertz, 0.8 PF



STANDARD FEATURES

- Heavy duty, 4-cycle, variable speed fan, diesel engine provides maximum reliability.
- Brushless alternator reduces service and maintenance requirements. Class H protection.
 - Open delta alternator design provides virtually unlimited excitation for maximum motor starting capability.
 - Automatic voltage regulator (AVR) provides precise regulation.
- Electronic governor system maintains frequency to $\pm 0.25\%$.
- Full load acceptance of standby nameplate rating in one step
- Soundproof, weather resistant, steel housing provides operation at 78dB (A) at 7meters. Fully lockable enclosure allows safety operation. Outdoor operation available.
- Internal fuel tank with direct observing glass, and fuel level meter display on control panel
 E-coat and powder coat paint provides durability and weather protection.
- Digital engine gauges including oil pressure, water temperature, battery volts, engine speed, and fuel level.
- Analog generator instrumentation including Ampere meter,
- Voltage meter, frequency meter, ammeter phase selector switch, voltmeter phase selector switch. Analog generator instrumentation and regulator adjustment.
- Deepsea/Comap professional generator controller.
 - High visibility LCD display with heated screen and alphanumeric readout.
 - IP65 Protection standard, operational temperature range of -40° to 85° C.
 - Modbus interface for gauge panel and expansion options.
 - DPF cleaning cycle indication.
 - Log record for inspection
- Automatic safety shutdown system monitors the water temperature, engine oil pressure, low coolant, low DEF, overspeed, and overcrank. Warning lights indicate abnormal conditions.
- Fuel/water separator. Removes condensation from fuel for extended engine life.
- Emergency stop switch — when manually activated, shuts down in any emergency.

SILENT SERIES

POWER DECIBEL LEVELS

Revolving field, self ventilated weatherproof Normal conversation allows substantially lower operating noise levels than competitive designs.

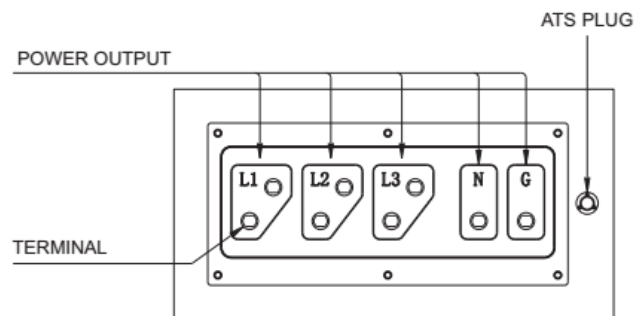
- 90 — Subway / truck traffic
- 80 — Average city traffic

Genset at 7m
- 70 — Inside car at 60 mph
- 60 — Air conditioner at 6m
- 50 — Normal conversation

78.0

DECIBELS

GENERATOR OUTPUT PANEL



SPECIFICATIONS

Generator Specifications	
Model	Revolving field, self-ventilated weatherproof
Armature Connection	Star with Neutral
Phase	3
Standby Output	254KW (317KVA)
Prime Output	229KW (286KVA)
Power Factor	0.8
Voltage Regulation (No load to full load)	±0.5%
Generator RPM	1800
Frequency	60 Hz
No. of Poles	4
Excitation	Brushless with AVR
Frequency Regulation: No Load to Full Load	Isochronous under varying loads from no load to 100% rated load
Frequency Regulation: Steady State	±0.25% of mean value for constant loads from no load to full load.
Insulation	Class H
Sound Level dB(A) Full load at 7M	78

Amperage	
Rated Voltage	Maximum Amps
3Ø Volt 127/220	826 Amps
3Ø Volt 254/440	413 Amps
Main Line Circuit Breaker Rating	630 Amps
Over Current Relay Trip Set Point 440V Mode Only	693 Amps

Fuel System	
Fuel Consumption	L / h
At full load	65.8
At 3/4 load	49.4
At 1/2 load	32.9
At 1/4 load	16.4

Control system	
Controller Brand	Deepsea
Model	DSE7320
Module	Manual/Auto start/stop module
Standard function	Engine control
	Generator monitoring
	Generator protection
	Specification
Display	Frequency
	Battery voltage
	Running hour
Warning/shutdown	under/over voltage
	under/over speed
	under/over frequency
	Low oil pressure
	High water temperature
Communication port	USB

Engine Specifications	
Make / Model	VOLVO / TAD1371VE
Emissions	Tier4F
Starting System	Electric
Design	4-cycle, water cooled, direct injection, Turbo charged,
Displacement	7.15 liters
No. cylinders	6
Bore x Stroke	123 x 152 mm
Gross Engine Power Output	388 hp (285 kW)
Compression Ratio	17.8 : 1
Engine Speed	1800 rpm, EMS2.3
Overspeed Limit	2070 rpm
Oil Capacity	9.52 gallons (36 liters)
Battery	24V 100Ah x 2

Alternator	
Alternator Brand	Stamford
Alternator Model	S4L1S-C4
Excitation	Brushless, Self-Excited, PMG
Capacity(KVA)	300kva
Power(KW)	240kw
Efficiency(%)	90%
Insulation class	Class H
Protection class	Ip23
Steady state voltage regulation	±1%
Voltage control	AVR

WARRANTY*

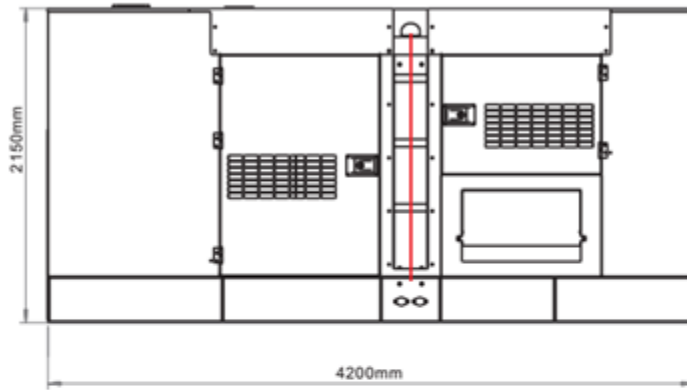
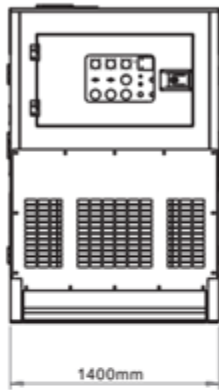
Generator

12 months from date of purchase or 1000 hours (whichever occurs first).

NOTICE

Enough Air flow is extremely important to Generator operation. Improper connection can cause electrocution and/or property damage. Do not connect to any electrical system except through an approved device. Specifications are subject to change without notice.

*Please Note: default configuration shown. Please refer to your quote for customization and packagin options.



Weight	
Dry Weight	3,550 kg
Max. Lifting Point capacity	5,860 kg

*considers 830L, double wall bundt tank. Smaller tank and tank delete will reduce weight.

