



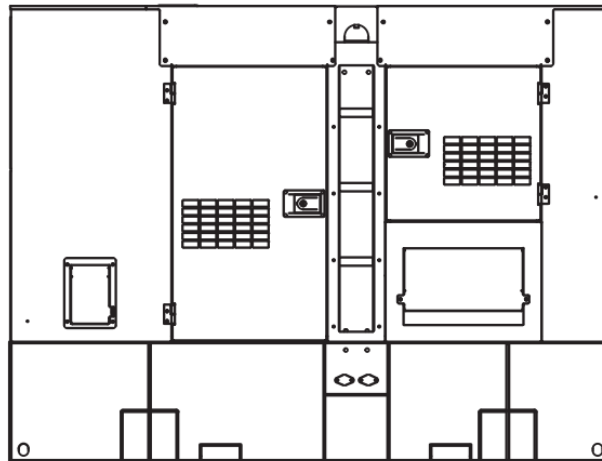
## PREMIUM DIESEL GENERATOR SETS

EPA TIER4F APPROVED

### POWER OUTPUT

Prime Rating — 90 kW (112 kVA)

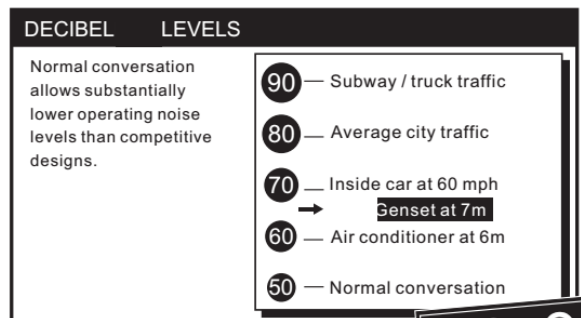
Standby Rating — 100 kW (125 kVA)



### STANDARD FEATURES

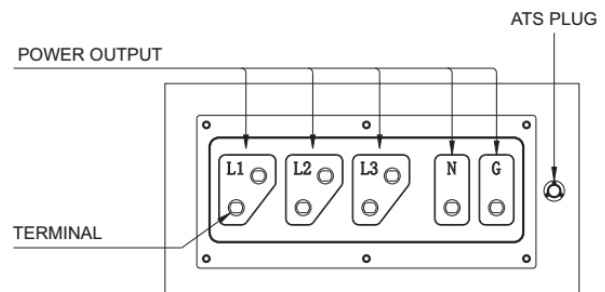
- Heavy duty, 4-cycle, variable speed fan, diesel engine provides maximum reliability.
- Brushless alternator reduces service and maintenance requirements. Class H protection.
  - Open delta alternator design provides virtually unlimited excitation for maximum motor starting capability.
  - Automatic 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 65dB (A) at 7 meters. 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.

### UNIVPOWER SILENT SERIES



**68.0**  
DECIBELS

### GENERATOR OUTPUT PANEL





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### SPECIFICATIONS

Generator Specifications	
Model	Revolving field, self-ventilated weatherproof
Armature Connection	Star with Neutral
Phase	3
Standby Output	100 KW (125 KVA)
Prime Output	90 KW (112 KVA)
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	68

Fuel System	
Maximum Fuel Flow (per hour)	34.3 gallons (130 liters)
Fuel Tank Capacity	100 gallons (380 liters)
Fuel Consumption	L / h
At full load	30.1
At 3/4 load	22.6
At 1/2 load	16.1
At 1/4 load	9.3

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	Perkins / 1204F-E44TTAG2
Emissions	EPA Tier4 Final
Starting System	Electric
Design	4-cycle, water cooled, direct injection, Turbo Charged air cooled
Displacement	4.4 liters
No. cylinders	4
Bore x Stroke	105 x 127 mm
Gross Engine Power Output	117.4 kW
Compression Ratio	16.5 : 1
Engine Speed	1800 rpm
Overspeed Limit	2070 rpm
Oil Capacity	2.48 US gallons (9.4 liters)
Coolant Capacity	4.83 US gallons (18.3 liters)
Battery	12V 100Ah x 1

Alternator	
Alternator Brand	Stamford
Alternator Model	UCI274C
Excitation	Brushless, Self-Excited system
Capacity(KVA)	112.5kva
Power(KW)	90kw
Efficiency(%)	88%
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).

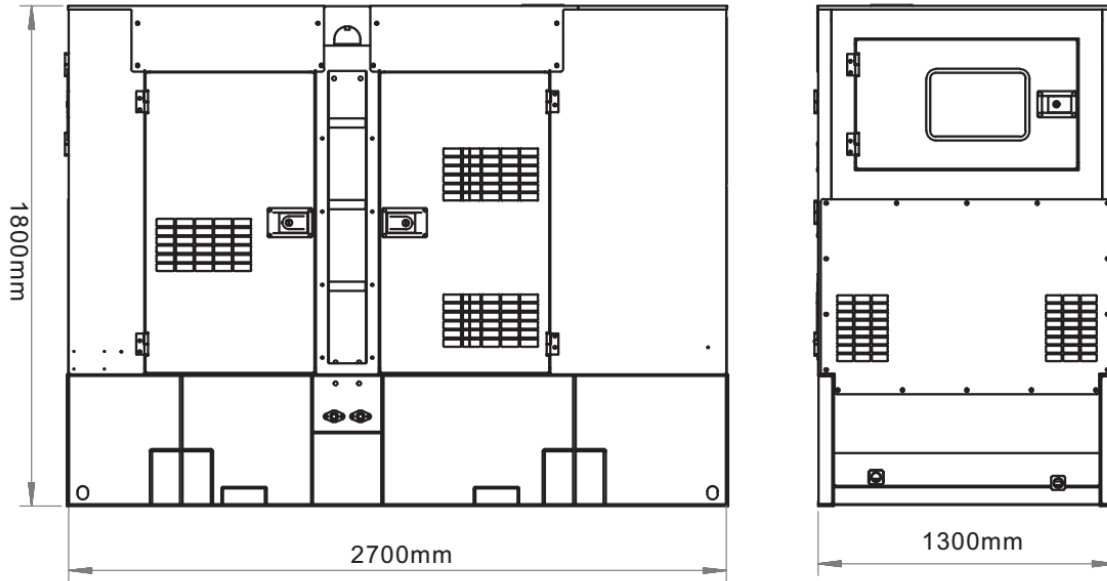
### NOTICE

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.

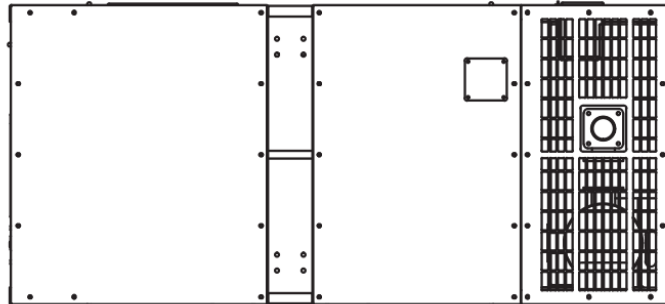


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EPA TIER4F APPROVED



Weight	
Dry Weight	3,000 kg
Wet Weight	3,400 kg
Max. Lifting Point capacity	4,000 kg



Specs, Design and Distrubtion by  
**Specialized Power Systems Inc**

Manufactured for Specialized Power by  
**Universal Machinery Co.,Ltd**