

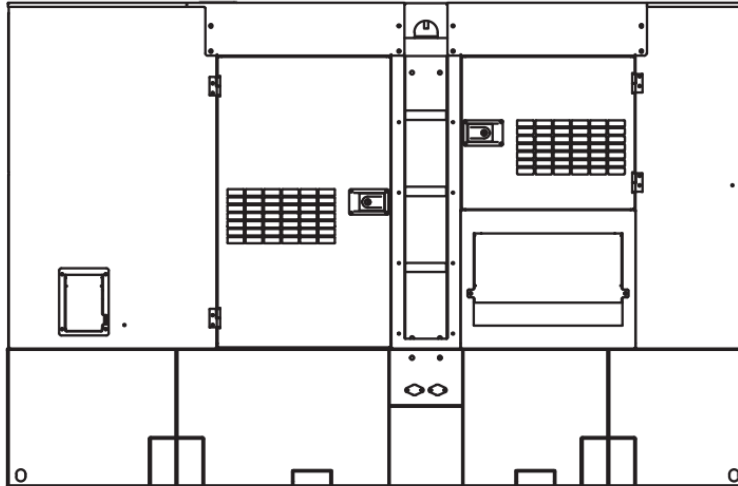


PREMIUM DIESEL GENERATOR SETS

EPA TIER4F APPROVED

POWER OUTPUT

Prime Rating — 135 kW (170 kVA)
Standby Rating — 150 kW (188 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 70dB (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

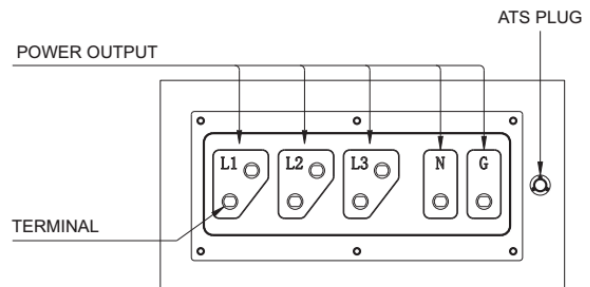
DECIBEL LEVELS

Revolving field, self ventilated weatherproof
Normal conversation allows substantially lower operating noise levels than competitive designs. UNIV Gensets good for home, construction sites, residential, hospital, etc.

- 90 — Subway / truck traffic
- 80 — Average city traffic
- 70 — Inside car at 60 mph
→ Genset at 7m
- 60 — Air conditioner at 6m
- 50 — Normal conversation

70.0
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	150 KW (188 KVA)
Prime Output	135 KW (170 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	70

Engine Specifications	
Make / Model	Perkins / 1206F-E70TTAG3
Emissions	EPA Tier4F
Starting System	Electric
Design	4-cycle, water cooled, direct injection, Turbo charged air cooled
Displacement	7.01 liters
No. cylinders	6
Bore x Stroke	105 x 135 mm
Gross Engine Power Output	217.5 kW
Compression Ratio	16.5 : 1
Engine Speed	1800 rpm
Overspeed Limit	2070 rpm
Oil Capacity	4.35 US gallons (16.5 liters)
Coolant Capacity	6.40 US gallons (24.25 liters)
Battery	12V 120Ah x 1

Fuel System	
Maximum Fuel Flow (per hour)	153.2 gallons (580 liters)
Fuel Tank Capacity	200 gallons (760 liters)
Fuel Consumption	L / h
At full load	42
At 3/4 load	32
At 1/2 load	22
At 1/4 load	10.5

Alternator	
Alternator Brand	Stamford
Alternator Model	UCI274F
Excitation	Brushless, Self-Excited system
Capacity(KVA)	181.3kva
Power(KW)	145kw
Efficiency(%)	88%
Insulation class	Class H
Protection class	Ip23
Steady state voltage regulation	±1%
Voltage control	AVR

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

WARRANTY*

Generator

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

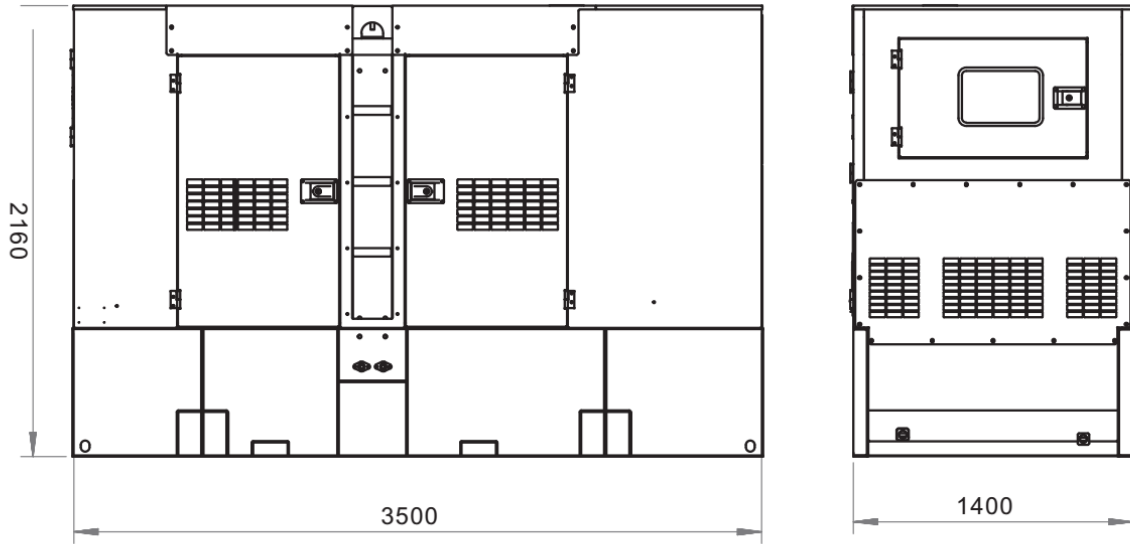
NOTICE

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.

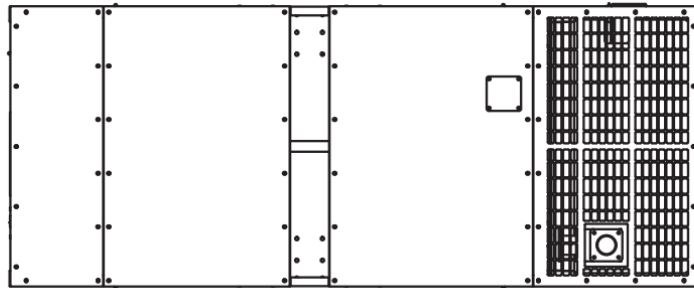


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Weight	
Dry Weight	3,600 kg
Wet Weight	4,400 kg
Max. Lifting Point capacity	5,000 kg



Specs, Design and Distribution by
Specialized Power Systems Inc

Manufactured for Specialized Power by
Universal Machinery Co., Ltd