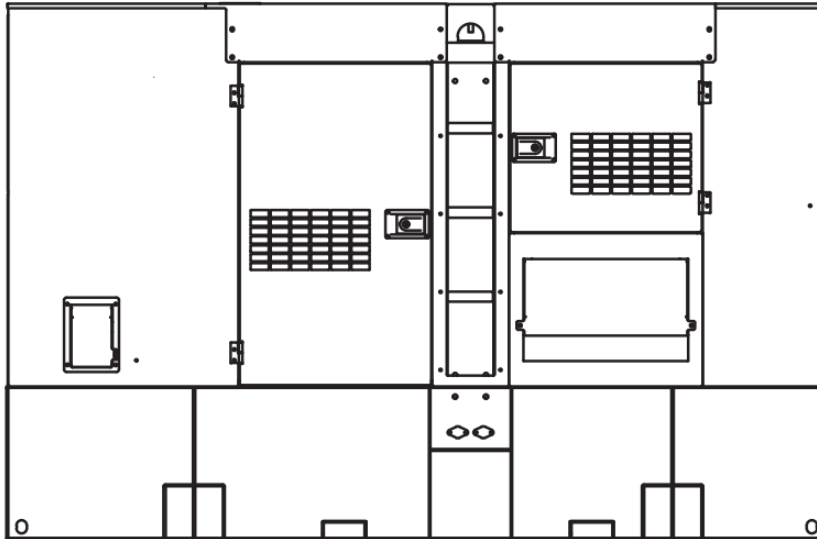


POWER OUTPUT

Prime Rating — 135 kW (170 kVA)
 Standby Rating — 143 kW (178 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 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 cleaningcycle 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.

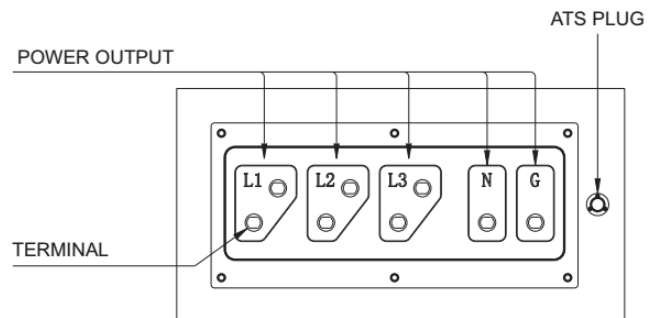
Normal conversation allows substantially lower operating noise levels than competitive designs. UNIVGensets are at home on construction sites, in residential neighborhoods, and at hospitals just about anywhere.

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



Generator Specifications	
Model	Revolving field, self-ventilated weatherproof
Armature Connection	Star with Neutral
Phase	3
Standby Output	143 KW (178 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	65

Engine Specifications	
Make / Model	Perkins / 1206F-E70TTAG3
Emissions	EPA Tier4F
Starting System	Electric
Design	4-cycle, water cooled, direct injection, natural intake air cooled
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	
Battery	24V 100Ah x 1

Amperage	
Rated Voltage	Maximum Amps
3Ø Volt 480/277	202.9 Amps
3Ø Volt 460/266	211.8 Amps
3Ø Volt 400/230	243.5 Amps
3Ø Volt 127/220	442.8 Amps
Main Line Circuit Breaker Rating	630 Amps
Over Current Relay Trip Set Point 220V Mode	700 Amps

Alternator	
Alternator Brand	Stamford / Meccalte
Alternator Model	UCI274E/ ECP34 2L4A
Excitation	Brushless, Self-Excited system
Capacity(KVA)	167.5kva
Power(KW)	134kw
Efficiency(%)	88%
Insulation class	Class H
Protection class	Ip23
Steady state voltage regulation	±1%
Voltage control	AVR

Fuel System	
w (per hour)	153.2 gallons (580 liters)
Fuel Tank Capacity	230 gallons (870 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

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

WARRANTY*

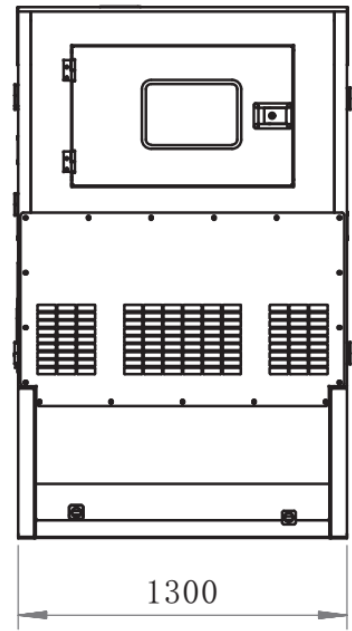
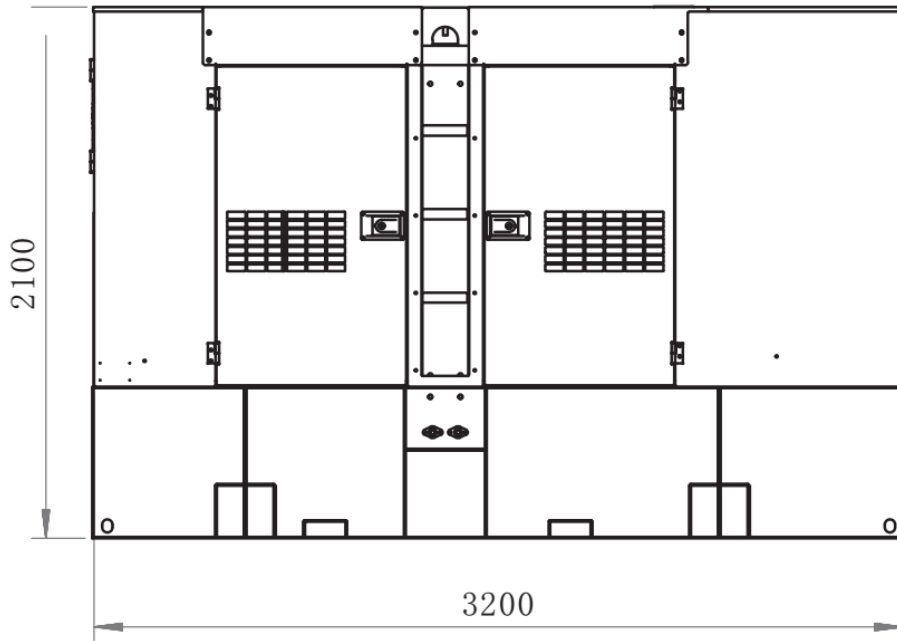
Generator

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.

EPA TIER4F APPROVED



Weight

Dry Weight	2,520 kg
Wet Weight	3,220 kg
Max. Lifting Point capacity	4,640 kg

