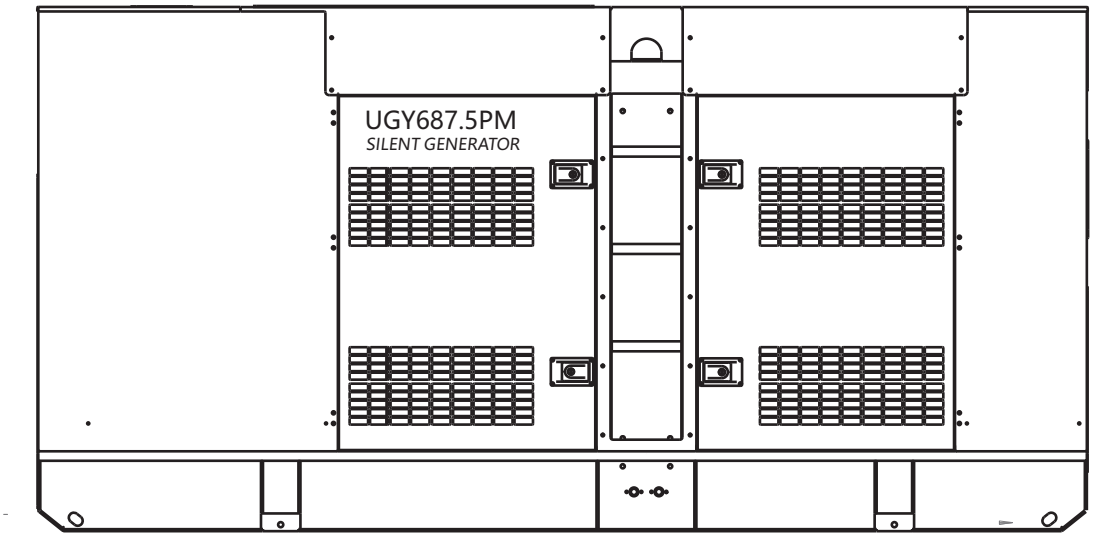
UDE687.5PM

GENNEV GENERATORS SILENT SERIES

POWER OUTPUT

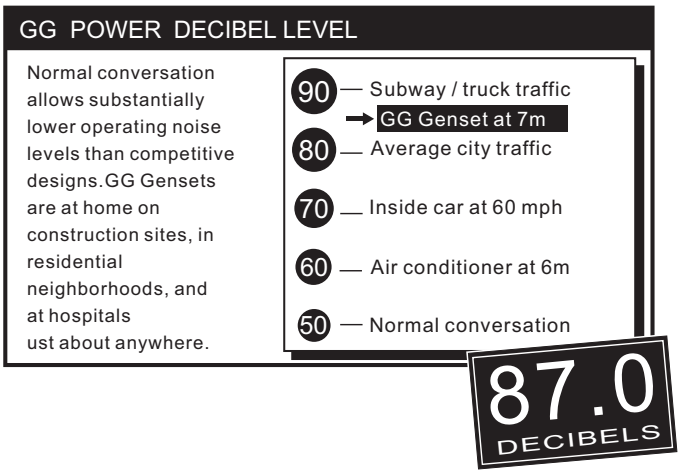
Prime Rating — 500 kW (625kVA)
Standby Rating — 550 kW (687.5kVA)
3-Phase, 60 Hertz, 0.8 PF



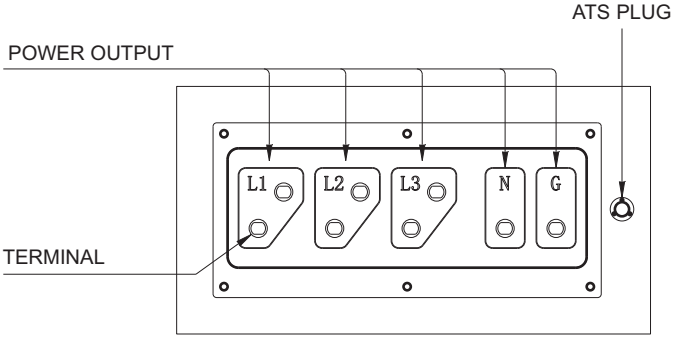
STANDARD FEATURES

- 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 ±0.25%.
- Full load acceptance of standby nameplate rating in one step
- Soundproof, weather resistant, steel housing provides operation at 82dB (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.

GG POWER SILENT SERIES



GENERATOR OUTPUT PANEL



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GENNEV GENERATORS SILENT SERIES

SPECIFICATIONS

Generator Specifications	
Model	Revolving field, self-ventilated weatherproof
Armature Connection	Star with Neutral
Phase	3
Standby Output	550KW (687.5KVA)
Prime Output	500KW (625KVA)
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% o f mean value for constant loads from no load to full load.
Insulation	Class H
Sound Level dB(A) Full load at 7M	87

Engine Specifications	
Make / Model	Perkins / 2506C-E15TAG4
Emissions	/
Starting System	Electrical start
Design	4-cycle, water cooled, direct injection Turbocharged and aftercooled
Displacement	15.2 liters
No. cylinders	6
Bore x Stroke	137 x 171 mm
Gross Engine Power Output	835 hp (623 kW)
Compression Ratio	16.0 : 1
Engine Speed	1800 rpm
Overspeed Limit	2070 rpm
Oil Capacity	15.8 gallons (60 liters)
Coolant Capacity	15.3 gallons (58 liters)
Battery	24V 120Ah x 2

Amperage	
Rated Voltage	Maximum Amps
3Ø Volt 127/220	1809.2 Amps
/	/
/	/
/	/
Main Line Circuit Breaker Rating	2000 Amps
Over Current Relay Trip Set Point 127/220V Mode Only	2200 Amps

Alternator	
Alternator Brand	Mecc alte
Alternator Model	Ec040 1L4B
Excitation	Brushless,Self-Excited system
Capacity(KVA)	687.5kva
Power(KW)	550kw
Efficiency(%)	90%
Insullation class	Class H
Protection class	Ip23
Steady state voltage regulation	±1%
Voltage control	AVR

Fuel System	
Maximum Fuel Flow (per hour)	52.8 gallons (200 liters)
Fuel Tank Capacity	219.3 gallons (830 liters)
Fuel Consumption	L / h
At full load	112
At 3/4 load	91
At 1/2 load	73
At 1/4 load	49

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	RS232,RS485

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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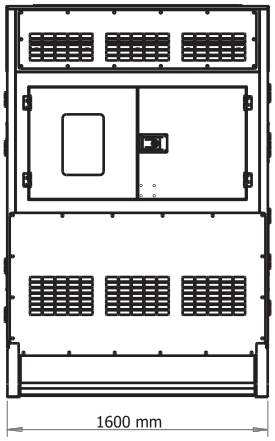
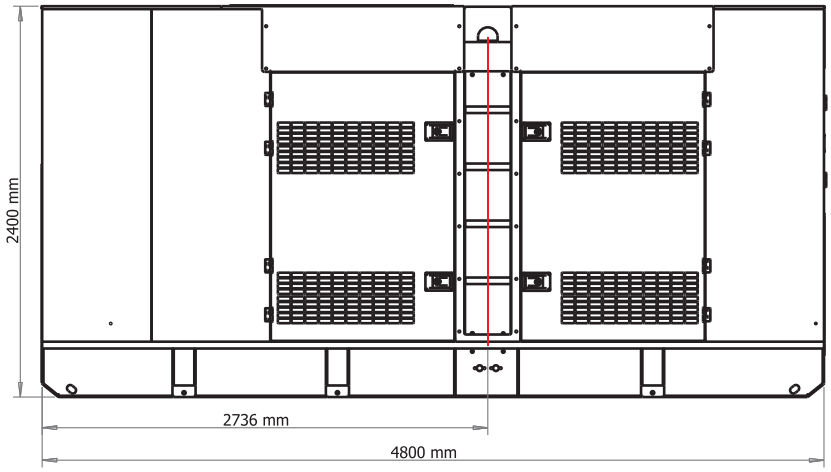
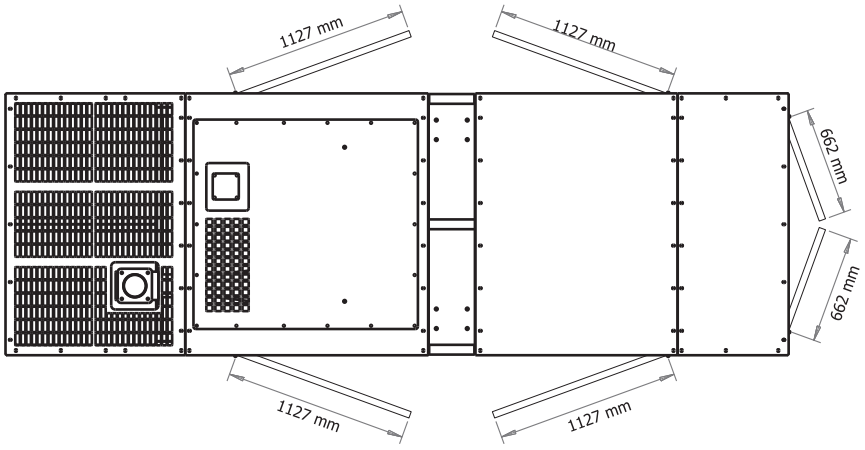




Weight	
Dry Weight	12,345 lbs. (5,600 kg)
Wet Weight	12,455 lbs. (5,650 kg)
Max. Lifting Point Capacity	24,691 lbs. (11,200 kg)



Manufactured for
DEEPER DISCOUNTS LLC
Email:sales@gennevgenerators.com