

# UDE100KS

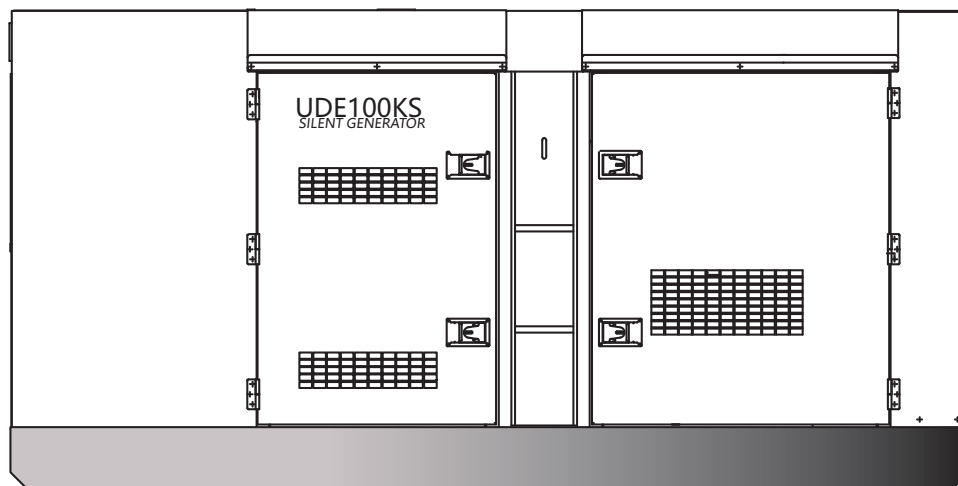
## GENNEV GENERATORS SILENT SERIES

### POWER OUTPUT

Prime Rating — 70 kW (87.5 kVA)

Standby Rating — 80 kW (100 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 75dB (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.

### GG POWER SILENT SERIES

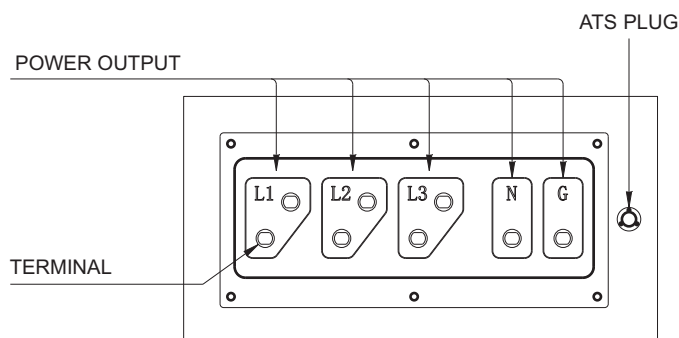
#### GGPOWER DECIBEL LEVEL

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

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

**75.0**  
DECIBELS

### GENERATOR OUTPUT PANEL



# UDE100KS

## GENNEV GENERATORS SILENT SERIES

### SPECIFICATIONS

Generator Specifications	
Model	Revolving field, self-ventilated weatherproof
Armature Connection	Star with Neutral
Phase	3
Standby Output	80KW (100 KVA)
Prime Output	70 KW (87.5 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	75

Amperage	
Rated Voltage	Maximum Amps
3Ø Volt 127/220	263.2 Amps
/	/
/	/
/	/
Main Line Circuit Breaker Rating	400 Amps
Over Current Relay Trip Set Point 127/220V Mode Only	440 Amps

Fuel System	
Maximum Fuel Flow (per hour)	7.9 gallons (30 liters)
Fuel Tank Capacity	38.3 gallons (145 liters)
Fuel Consumption	L / h
At full load	19.5
At 3/4 load	14.8
At 1/2 load	11.1
At 1/4 load	6.05

Control system	
Controller Brand	Deepsea
Model	DSE4520
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	Cummins / 4BTA3.9-G11
Emissions	/
Starting System	Electrical start
Design	4-cycle, water cooled, direct injection Turbocharged and aftercooled
Displacement	3.9 liters
No. cylinders	4
Bore x Stroke	102 x 120 mm
Gross Engine Power Output	120.6 hp (90 kW)
Compression Ratio	17.5 : 1
Engine Speed	1800 rpm
Overspeed Limit	2070 rpm
Oil Capacity	2.88 gallons (10.9 liters)
Coolant Capacity	5.55 gallons (21 liters)
Battery	24V 80Ah x 2

Alternator	
Alternator Brand	Stamford
Alternator Model	UC1224F
Excitation	Brushless, Self-Excited system
Capacity(KVA)	100kva
Power(KW)	80kw
Efficiency(%)	90%
Insulation class	Class H
Protection class	Ip23
Steady state voltage regulation	±1%
Voltage control	AVR

### WARRANTY\*

#### Generator

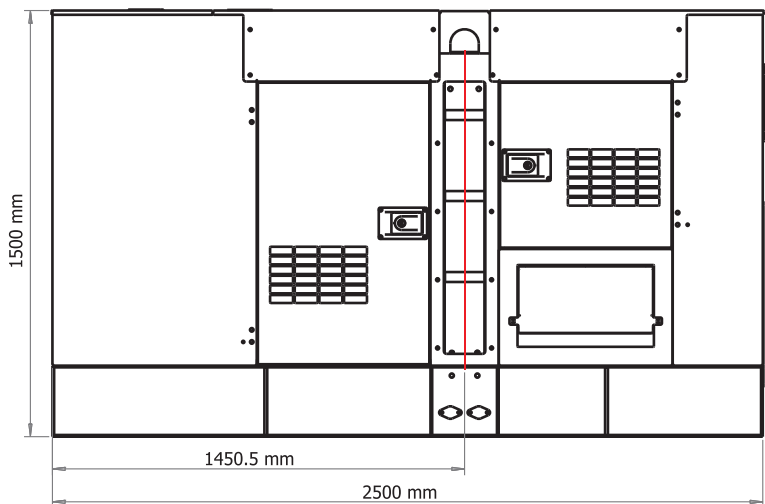
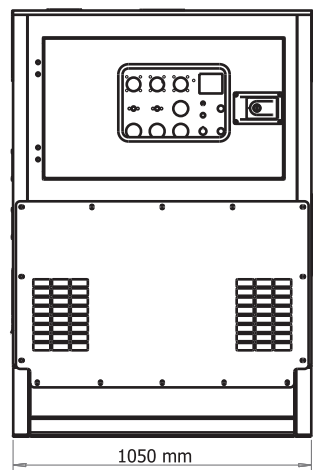
12 months from date of purchase or 1000 hours (whichever occurs first).

#### NOTICE

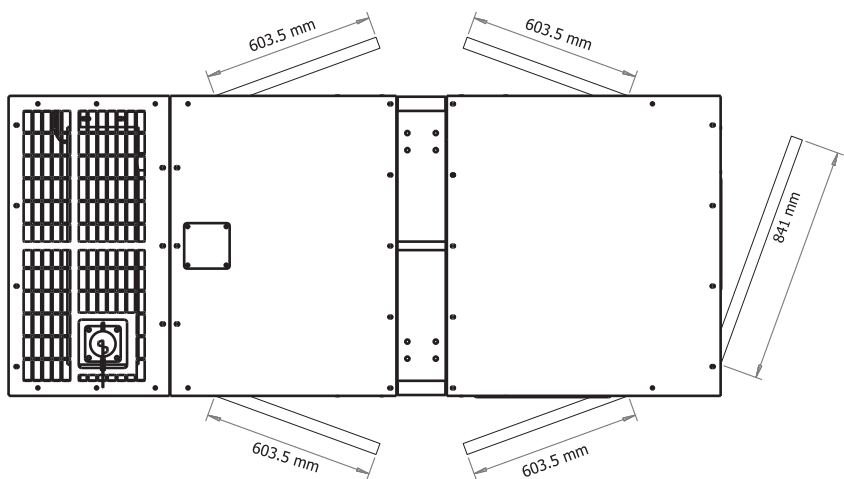
Enough Air flow is extremely important to Generator operation.  
Improper connection can cause electrocution and/or property damage.  
Do not connect to any electrical system except through an approved device.  
Specifications are subject to change without notice.

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GENNEV GENERATORS SILENT SERIES



Weight	
Dry Weight	1,600 kg
Wet Weight	1,740 kg
Max. Lifting Point Capacity	4,000 kg



Manufactured for  
**DEEPER DISCOUNTS LLC**  
Email: [sales@gennevgenerators.com](mailto:sales@gennevgenerators.com)