

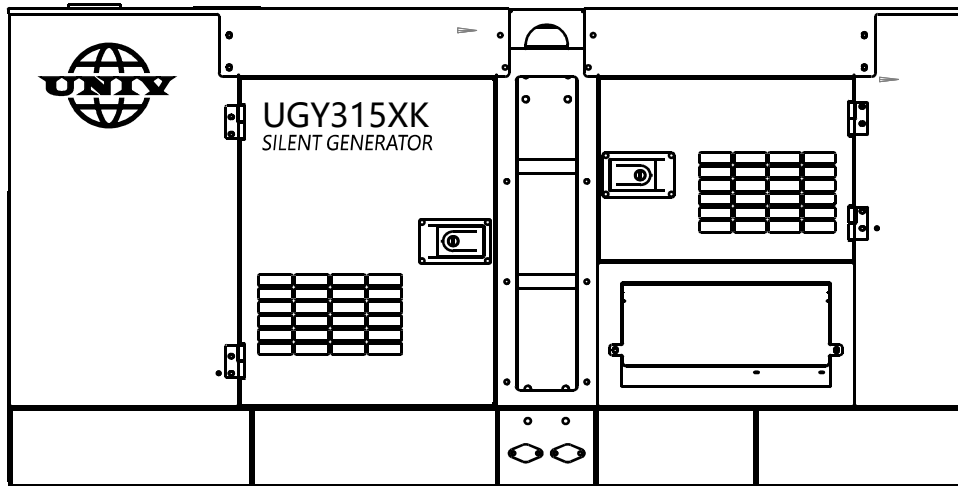


# UGY315XK

## UNIVPOWER SILENT SERIES

### POWER OUTPUT

Prime Rating — 250 kW (313kVA)  
 Standby Rating — 280kW (350kVA)  
 3-Phase, 50 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 76.8dB (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.

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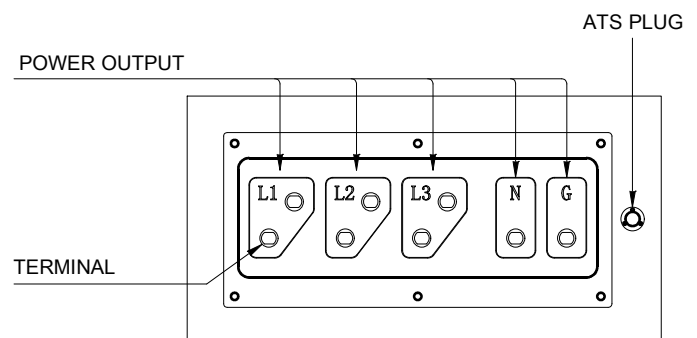
#### UNIV POWER DECIBELLEVELS

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
- UNIVGenset at 7m
- 60 — Air conditioner at 6m
- 50 — Normal conversation

**76.8**  
DECIBELS

### GENERATOR OUTPUT PANEL





# UGY315XK

## UNIVPOWER SILENT SERIES

### SPECIFICATIONS

Generator Specifications	
Model	Revolving field, self-ventilated weatherproof
Armature Connection	Star with Neutral
Phase	3
Standby Output	280KW (350KVA)
Prime Output	250KW (313KVA)
Power Factor	0.8
Voltage Regulation (No load to full load)	±0.5%
Generator RPM	1500
Frequency	50 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	76.8

Amperage	
Rated Voltage	Maximum Amps
3Ø Volt 480/277	375.9Amps
3Ø Volt 460/266	392.2Amps
3Ø Volt 400/230	451.3Amps
3Ø Volt 127/220	822.4Amps
Main Line Circuit Breaker Rating	1000 Amps
Over Current Relay Trip Set Point 400V Mode	1100Amps

Fuel System	
Maximum Fuel Flow (per hour)	39.6 gallons (150 liters)
Fuel Tank Capacity	142.1 gallons (500 liters)
Fuel Consumption	L / h
At full load	78.8
At 3/4 load	59.1
At 1/2 load	40.6
At 1/4 load	21

Control system	
Controller Brand	Smartgen
Model	HGM420
Module	Manual/Auto start/stop module
Standard function	Engine control
	Generator monitoring
	Generator protection
	Specification
Display	Voltage/Curret/Frequency
	Fuel level/oil pressure/rated power
	Running hour/Battery voltage
Warning/shutdown	under/over voltage
	under/over speed
	under/over frequency
	Low oil pressure
	High water temperature
Communication port	RS232, RS485, S-USB

Engine Specifications	
Make / Model	FAW/CA6DN2J-39D
Emissions	/
Starting System	Electrical start
Design	6 cylinder, 4-cycle, water cooled, direct injection, Turcharged innercooled
Displacement	11.04Liters
No. cylinders	6
Bore x Stroke	123*155mm
Gross Engine Power Output	423.3hp (316kW)
Compression Ratio	17.5:1
Engine Speed	1500 rpm
Overspeed Limit	1650 rpm
Oil Capacity	10.04gallons (38 liters)
Coolant Capacity	11.9gallons (45.4 liters)
Battery	24V 100Ah x 2

Alternator	
Alternator Brand	KWISE
Alternator Model	S314G250D4
Excitation	Brushless, Self-Excited system
Capacity(KVA)	313kva
Power(KW)	250kw
Efficiency(%)	90.3%
Insullation class	Class H
Protection class	Ip23
Steady state voltage regulation	±1%
Voltage control	AVR

### WARRANTY\*

#### Generator

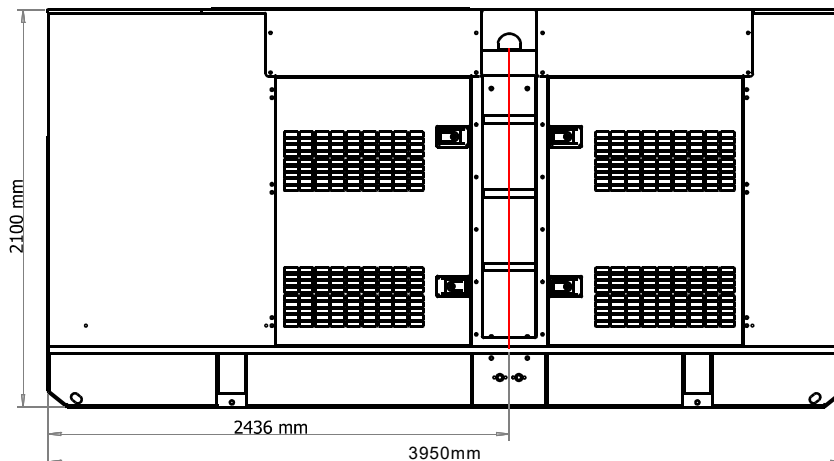
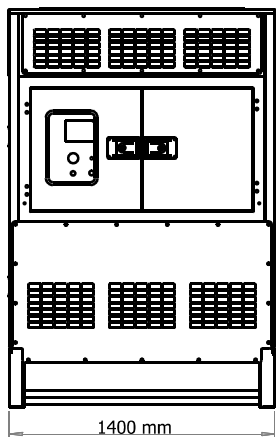
12 months from date of purchase or 1000 running hours (whichever occurs first)

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.

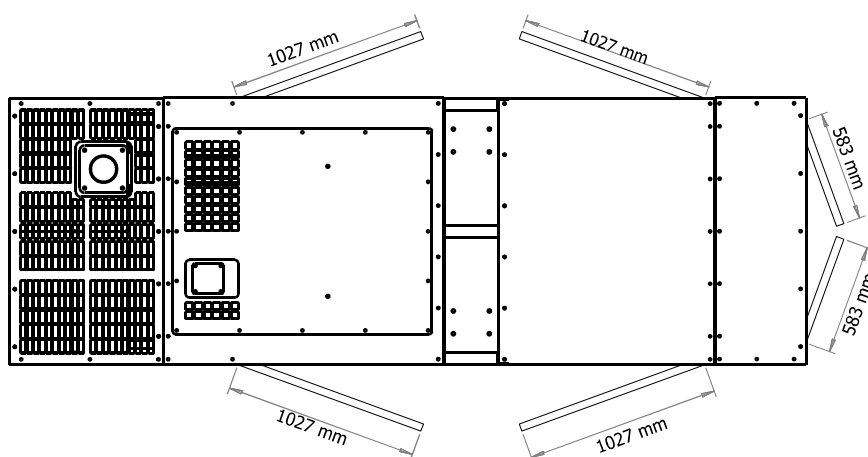


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## UNIVPOWER SILENT SERIES



Weight	
Dry Weight	3,450 kg
Wet Weight	3,950 kg
Max. Lifting Point capacity	8,600 kg



Manufactured by  
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