

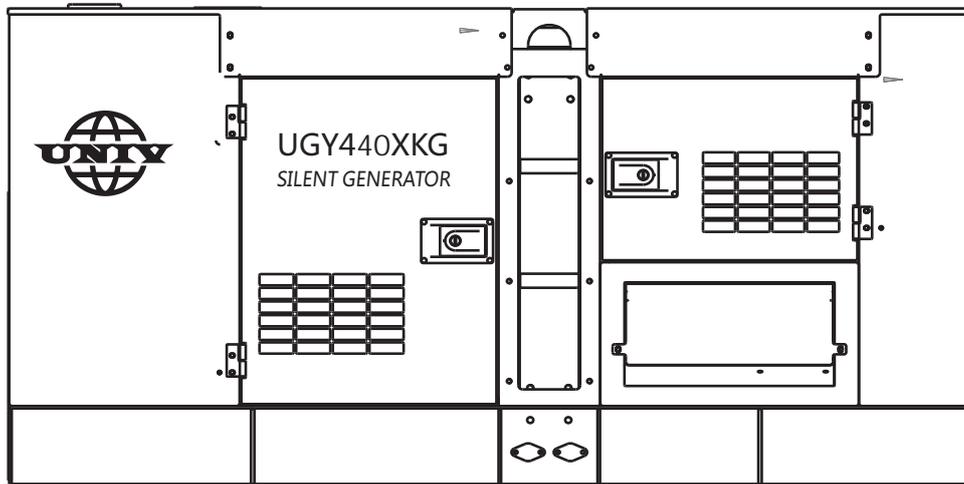


# UGY440XKG

## UNIVPOWER SILENT SERIES

### POWER OUTPUT

Prime Rating — 300 kW (375kVA)  
 Standby Rating — 350kW (440kVA)  
 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 72dB (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.

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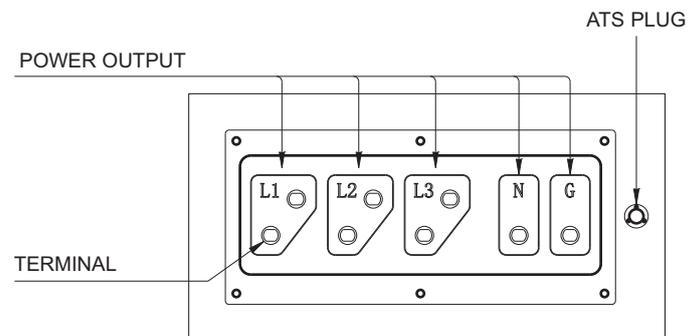
#### UNIV POWER DECIBEL LEVELS

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

- 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

**72.0**  
DECIBELS

### GENERATOR OUTPUT PANEL





# UGY440XKG

## UNIVPOWER SILENT SERIES

### SPECIFICATIONS

| Generator Specifications                   |  |
|--|--|
| Model                                      | Revolving field, self-ventilated weatherproof                      |
| Armature Connection                        | Star with Neutral  |
| Phase                                      | 3  |
| Standby Output                             | 350KW (440KVA)   |
| Prime Output                               | 300KW (375KVA)   |
| 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          | 72   |

| Amperage                                    |              |
|---|--------------|
| Rated Voltage                               | Maximum Amps |
| 3Ø Volt 127/220                             | 1148.2 Amps  |
| Main Line Circuit Breaker Rating            | 1250 Amps    |
| Over Current Relay Trip Set Point 220V Mode | 1375 Amps    |

| Fuel System                  |                            |
|------------------------------|----------------------------|
| Maximum Fuel Flow (per hour) | 39.7 gallons (150 liters)  |
| Fuel Tank Capacity           | 134.9 gallons (510 liters) |
| Fuel Consumption             | L / h                      |
| At full load                 | 92                         |
| At 3/4 load                  | 75                         |
| At 1/2 load                  | 55                         |
| At 1/4 load                  | 42                         |

| Control system     |                                     |
|--------------------|-------------------------------------|
| Controller Brand   | SmartGen                            |
| Model              | HGM420N                             |
| 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 | USB                                 |

| Engine Specifications     |   |
|---------------------------|---|
| Make / Model              | FAW/ CA6DN1J-46D  |
| Emissions                 | /   |
| Starting System           | Electrical start  |
| Design                    | 6 cylinder, 4-cycle, water cooled, direct injection, Turcharged innercooled |
| Displacement              | 12.53Liters   |
| No. cylinders             | 6   |
| Bore x Stroke             | 131*135mm   |
| Gross Engine Power Output | 494.5hp (369kW)   |
| Compression Ratio         | 18:1  |
| Engine Speed              | 1800 rpm  |
| Overspeed Limit           | 2070 rpm  |
| Oil Capacity              | 11.1gallons (42 liters)   |
| Coolant Capacity          | 12.7gallons (48 liters)   |
| Battery                   | 24V 120Ah x 2   |

| Alternator                      |                                |
|---------------------------------|--------------------------------|
| Alternator Brand                | KWISE                          |
| Alternator Model                | S314G280D6                     |
| Excitation                      | Brushless, Self-Excited system |
| Capacity(KVA)                   | 462 kva                        |
| Power(KW)                       | 370 kw                         |
| Efficiency(%)                   | 89.6%                          |
| 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)

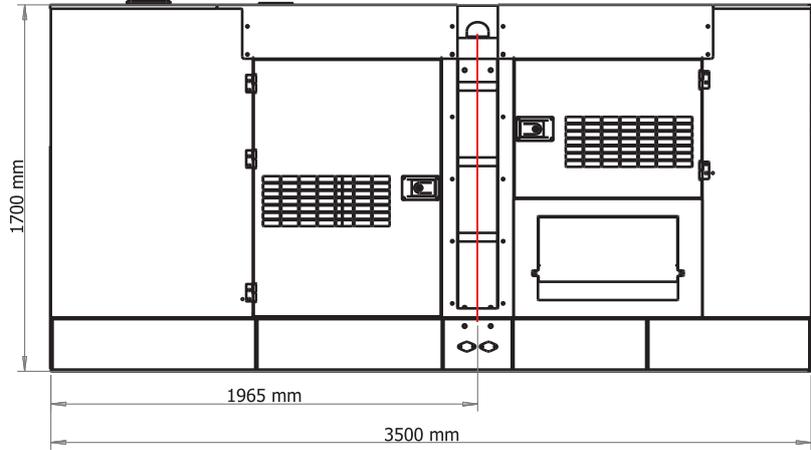
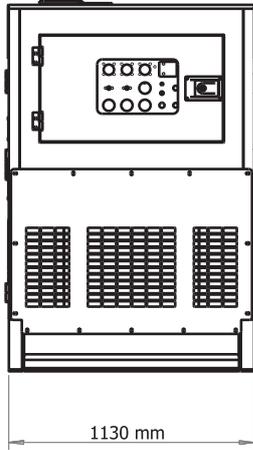
#### NOTICE

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.

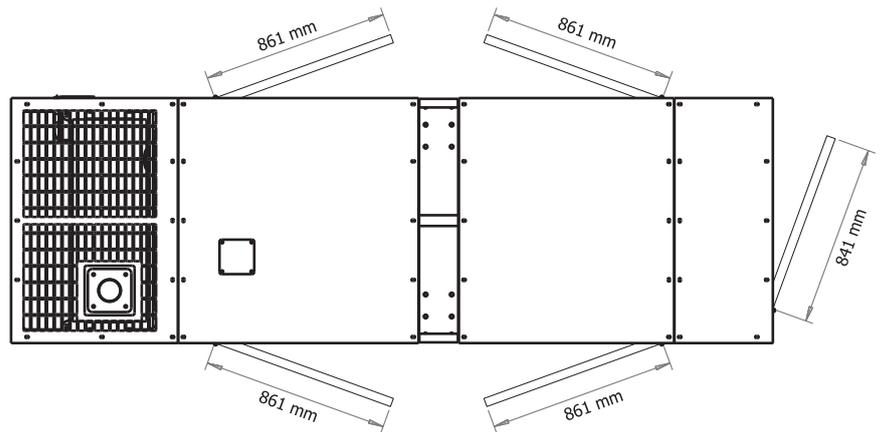


# UGY440XKG

## UNIVPOWER SILENT SERIES



| Weight                      |          |
|-----------------------------|----------|
| Dry Weight                  | 3,800 kg |
| Wet Weight                  | 4,310 kg |
| Max. Lifting Point Capacity | 8,620 kg |



Manufactured by  
**Zhejiang Universal Machinery Co.,Ltd**  
Add:No 18-9 Nanshan Road, Qujiang Zone,  
Quzhou city, Zhejiang Province, CN  
Tel:0086-570-3377085  
Fax:0086-570-3377086  
Website:www.univpower.com