



R325UC

RENTAL POWER

| MODEL                 | R325UC           |
|-----------------------|------------------|
| Prime Power @ 60Hz    | 262kW / 327 kVA  |
| Stand by Power @ 60Hz | 288 kW / 360 kVA |



**Generator Ratings**

| Voltage           | HZ | Phase | Power Factor | Prime Power Amps | Prime Ratings Kw/kVA | Stand by Ratings kW/kVA |
|-------------------|----|-------|--------------|------------------|----------------------|-------------------------|
| 480/277 - 440/254 | 60 | 3     | 0.8          | 394              | 262 / 327            | 288 / 360               |
| 220/127 - 240/139 | 60 | 3     | 0.8          | 859              | 262 / 327            | 288 / 360               |
| 208/120           | 60 | 3     | 0.8          | 909              | 262 / 327            | 288 / 360               |

**FEATURES**

**SOUND ATTENUATED ENCLOSURE**

- Compact and very rugged 12 gauge zinc coated steel construction that is electrostatically painted for a durable finish.
- The sound level is a quiet 71.3 dB (A) at 23ft at full load.
- Three large lockable doors allow excellent access for maintenance.
- Emergency stop buttons on the control panel and on enclosure exterior for safety.
- Tested and certified single point lifting eye.

**MULTI-VOLTAGE DISTRIBUTION PANEL**

- A 12 leads alternator allows 120/208V 3ph or 277/480V 3ph.
- Main bus connection studs enclosed behind an easy access door and that is lockable for operator safety.

**DESIGNED FOR RENTAL**

- EPA Tiers II Off-highway compliant engine.
- Fuel tank for 18 hour operation
- Forklift pockets for easy handling
- 110% containment skid to prevent oil, coolant and fuel spills. Special access port on top of the fuel tank for easy cleaning of the tanks interior.
- Heavy duty two stage air filter, water/fuel separator, battery disconnect switch.





## ENGINE DATA

|                                    |                                    |
|------------------------------------|------------------------------------|
| Manufacturer / Model               | JOHN DEERE 6081HF070-318 , 4-cycle |
| Cylinder Arrangement               | In-line 6                          |
| Displacement                       | 494.3 C.I. (6.72L)                 |
| Bore and Stroke                    | 4.6in. (116mm) X 5.1in (129mm)     |
| Compression ratio                  | 15.7 : 1                           |
| Rated RPM                          | 1800 Rpm                           |
| Piston Speed                       | 25.4ft./s (7.74m/s)                |
| Max. stand by Power at rated RPM   | 399BHP (298kW)                     |
| Frequency regulation, steady state | +/-0. 5%                           |
| BMEP                               | 313psi (21.6bar)                   |
| Governor : type                    | Electronic                         |

### Fuel System

|                           |                      |
|---------------------------|----------------------|
| 110% (Stand By power )    | 19.6gal/hr (74.0L/h) |
| 100% (of the Prime Power) | 16.8gal/hr (63.6L/h) |
| 75% (of the Prime Power)  | 12.5gal/hr (47.4L/h) |
| 50% (of the Prime Power)  | 8.7gal/hr (32.8L/h)  |
| Fuel Tank Capacity        | 251 Gallons (950 L)) |

### Oil System

|                              |                      |
|------------------------------|----------------------|
| Total oil capacity w/filters | 8.5gal (32.0L)       |
| Oil Pressure low idle        | 30.4psi (2.1bar)     |
| Oil Pressure rated RPM       | 39.8psi (2.7bar)     |
| Oil consumption 100% load    | 0.03gal/hr (0.12L/h) |
| Oil capacity                 | 8.2gal (31.0L)       |

### Coolant System

|                                   |                       |
|-----------------------------------|-----------------------|
| Radiator & engine capacity        | 10.6gal (40.0L)       |
| Max water temperature             | 221°F (105°C)         |
| Outlet water temperature          | 199° F (93° C)        |
| Fan power                         | 10.0 kW               |
| Fan air flow                      | 14834cfm (7.0m3/s)    |
| Available restriction on air flow | 0.8in. WG (20mm CE)   |
| Thermostat                        | 180-202° F (82-94 °C) |

## ALTERNATOR SPECIFICATIONS

### GENERAL DATA

- Compliance with NEMA MG21, UTE NF C51.111, VDE 0530, BS 4999, CSA standards.
- Vacuum-impregnated windings with epoxy varnish.
- IP21 drip proof.

### ALTERNATOR DATA

|   |                         |
|---|-------------------------|
| Manufacturer / Model  | LERROY SOMER LSA462VL12 |
| Phase   | 3                       |
| Power factor (Cos Phi)  | 0.8                     |
| Altitude  | < 1000 m                |
| Overspeed   | 2250 rpm                |
| Pole  | 4                       |
| Exciter type  | AREP                    |
| Insulation : class/temperature rise                             | H / H                   |
| Voltage regulator   | R448                    |
| Motor starting capability PF=0.6 rotor blocked, 35% voltage dip | 1180 kVA                |
| Total harmonics (TGH/THC)                                       | < 4%                    |
| Wave form : NEMA = TIF – TGH/THC                                | < 50                    |
| Wave form : CEI = FHT – TGH/THC                                 | < 2%                    |
| Bearing : number  | 1                       |
| Coupling  | Direct                  |
| Voltage regulation 0 to 100% load                               | +/- 1%                  |
| Recovery time (20% Volt dip) ms                                 | 500 ms                  |



## Control Panel

### NEXYS



- Digital Control Panel with Manual Run/Off/Auto control switch
- Auto start, 2 wire.
- Red emergency stop pushbutton
- Display: Frequency meter, volt meter, ammeter, fuel level, oil pressure, water temperature, running hours
- Alarms: Fuel level, low battery
- Shutdowns: High water temperature, low oil pressure, overcrank, overspeed
- Voltage adjusting rheostat
- Printed circuit board control logic
- Panel light

## Distribution Panel

### BUS BAR CONNECTION



- Main bus connection studs enclosed behind a lockable access door for easy access and operator safety.

## Environmentally Friendly

### FUEL TANK



- 251 Gallons (950 Liters) fuel tank. 18 hour capacity.
- Complete containment of oil, coolant and fuel.
- "Port" allowing easy cleaning of the interior of the fuel tank.

## Options

### Engine

- 120V 1500W Block heater
- 120V 2250W Block heater
- Lube oil drain pump
- 
- 5 Amp Battery charger 120V or 240V
- Hot Part Protection

### Alternator

- Anti condensation heater
- Enforced impregnation

### Control panel

- Low coolant level
- Upgrade to Telys Panel
- NFPA 110 (Require Telys Panel)
- Software for remote monitoring

### Miscellaneous

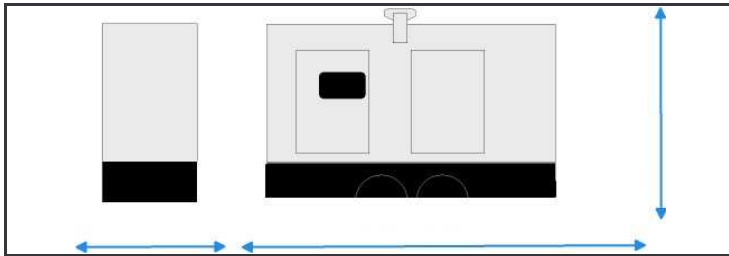
- Road trailer
- Deduct for standard tank (8 hours)

### Literature

- Parts
- Maintenance

## Weight and Dimensions

### Sound Attenuated Enclosure with Environmentally Friendly Design



Overall size l x w x h :

159.7in (4056mm) x 54.3in (1380mm) x 95.9in (2436mm)

Weight :

8527lbs (3876kg) Dry    10644lbs (4838kg) Wet

### Trailer (optional)

