



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	LEROY 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
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- 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

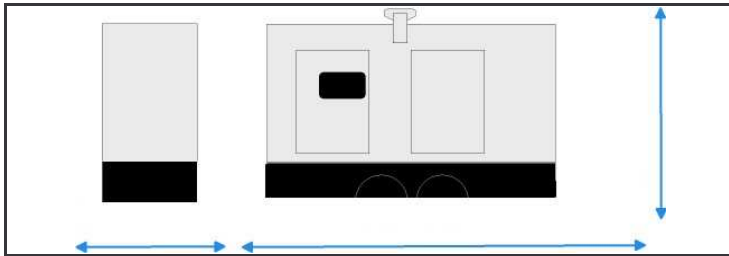
- Road trailer
- Deduct for standard tank (8 hours)

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)

