





J60UC3

Engine JOHN DEERE, 4045HFS80, U.S. EPA Tier 3
Alternator LEROY SOMER, LSA432M45

STANDARD FEATURES

60 KW / 75 KVA DIESEL GENERATOR SET, FULLY PACKAGED:

- JOHN DEERE Heavy duty diesel engine, 4 stroke, 1800rpm, Turbo, EPA
- LEROY SOMER brushless alternator. IP23 protection, Insulation class H
- MERLIN GERIN, Main line circuit breaker, wired, maximum output rated
- Digital auto-start control panel. CE and UL compliant
- Incorporated metallic fuel tank for day use
- Auto Start control feature included for interoperation with ATS/AMF
- 12V charging alternator and 12V DC electric starter motor
- 12V charged DC starting battery with electrolyte and cables
- Dry type air filter, fuel filter and oil filter elements installed
- Mechanically welded chassis with vibration isolators
- Each unit prototype and individually factory load bank tested
- The generator accepts 100% rated load in one step as per NFPA110 and meets ISO8528-5 class G-3 for transient response
- Compliant with ISO3046, ISO8528, BS4999, BS5514, BS5000PT99, AS1359, IEC34, UTE5100, VDE0530 and ISO9001:2000



- Steel or Aluminum weather proof, sound attenuated enclosures
- UL142 listed, double wall fuel tanks from 50 to 10,000 Gal
- UL1008 listed, automatic transfer switches from 50 to 3000 Amp
- D.O.T. compliant heavy duty road trailers from 3000 to 30000 Lbs
- Automatic battery chargers, Engine preheaters, Remote annunciators and many more



| Voltage | Power ESP kWe/kVA | Power PRP kWe/kVA | Standby Amps | Dimensions – Open | Weight - Open |
|---------|----------------------|----------------------|--------------|---------------------|------------------------|
| 480/277 | 60 / 75 | 55 / 68 | 90 | | |
| 440/254 | 60 / 75 | 55 / 68 | 98 | Leng: 1950mm [77in] | 1110kg [2447lbs] Net |
| 380/220 | 60 / 75 | 55 / 68 | 114 | Widt: 1084mm [43in] | 1310kg [2888lbs] Gross |
| 240/120 | 60 / 75 | 55 / 68 | 180 | Heig: 1350mm [53in] | |
| 230/120 | 59 / 74 | 54 / 67 | 186 | | |
| 220/127 | 60 / 75 | 55 / 68 | 197 | | |
| 208/120 | 57 / 71 | 52 / 65 | 197 | | |
| 600/347 | 60 / 75 | 55 / 68 | 72 | | |

POWER DEFINITION

PRP: Prime Power is available for an unlimited number of annual operating hours in variable load applications, in accordance with ISO 8528-1.

ESP: The standby power rating is applicable for supplying emergency power in variable load applications in accordance with ISO 8528-1. Overload is not allowed.

TERM OF USE

Standard reference conditions ESP/PRP 25 C°/25 C° Air Intlet Temp, 1000 m/1000 m m A.S.L. 60 % relative humidity.

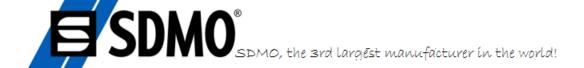
WEATHER / SOUND PROOF ENCLOSURES

| | Model | dB(A)@1m | dB(A)@7m | Dimensions - Enclosed | Weight – Enclosed | Tank |
|-----|---------|----------|----------|---|--------------------------------------|-------|
| - 6 | M129-DW | 79 | 69 | Leng : 2602mm [102in] Widt : 1150mm [45in] Heig : 1900mm [75in] | 1930kg [4255lbs] 2430kg [5357lbs] | 505 L |
| | M129 | 79 | 69 | Leng : 2554mm [101in] Widt : 1150mm [45in] Heig : 1680mm [66in] | 1530kg [3373lbs] 1730kg [3814lbs] | 190 L |



Phone (305) 471 9566, Phone (888) POWER 58, Fax (305) 471 9568, Fax (305) 675 8033 www.dieselgeneratorsmiami.com www.genpowerusa.com info@genpowerusa.com MIAMI, FLORIDA | TUSTIN, CALIFORNIA | PANAMA | FRANCE | COLOMBIA | U.K.







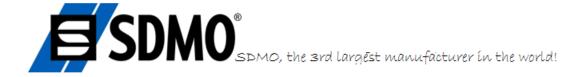
ENGINE SPECIFICATIONS

| | Carina madal | JOHN DEERE 4045HFS80 , 4-temps, TURBO , | | |
|-----------------|---|---|--|--|
| | Engine model | AIR/WATER 4 X, U.S. EPA | | |
| | Cylinder arrangement | L | | |
| | Displacement (C.I.) | 4.5 | | |
| | Bore (mm) X Stroke (mm) | 106 X 127 | | |
| | Compression ratio | 19 : 1 | | |
| DATA | Speed (RPM) | 1800 | | |
| | Pistons speed (m/s) | 7.62 | | |
| GENERAL DATA | Maximum stand-by power at rated RPM (kW) | 67 | | |
| | Frequency regulation (%) | 0.5% | | |
| | BMEP (bar) | 10 | | |
| | Governor type | MECA | | |
| | Exhaust gas temperature (°C) | 545 | | |
| EXHAUST SYSTEM | Exhaust gas flow (L/s) | 240 | | |
| | Max. exhaust back pressure (mm CE) | 750 | | |
| | Fuel consumption 110% load (gal/hr) | 19.2 [5.1gal/hr] | | |
| | Fuel consumption 100% load (gal/hr) | 17.6 [4.6gal/hr] | | |
| FUEL SYSTEM | Fuel consumption 75% (L/h) | 13.5 [3.6gal/hr] | | |
| | Fuel consumption 50% (L/h) | 9.5 [2.5gal/hr] | | |
| | Maximum fuel pump flow (L/hr) | 112 [29.6gal/hr] | | |
| | Oil capacity (L) | 13 | | |
| | Min. oil pressure (bar) | 1.05 | | |
| OIL | Max. oil pressure (bar) | 3.45 | | |
| | Oil consumption 100% load (L/h) | 0.5 | | |
| | Carter oil capacity (L) | 12 | | |
| THERMAL BALANCE | Heat rejection to exhaust (kW) | N/A | | |
| | Radiated heat to ambiant (kW) | N/A | | |
| | Haet rejection to coolant (kW) | 37 | | |
| AIR INTAKE | AIR INTAKE_entree_max% | 625 | | |
| | Intake air flow (L/s) | 90 | | |
| | Radiator & Engine capacity (L) | 8.5 | | |
| | Max water temperature (°C) | 105 | | |
| | Outlet water temperature (°C) | N/A | | |
| COOLANT SYSTEM | Fan power (kW) | N/A | | |
| | Fan air flow w/o restriction (m3/s) | N/A | | |
| | Available restriction on air flow (mm CE) | N/A | | |
| | Type of coolant | GENCOOL | | |
| | Thermostat (°C) | 82-94 | | |
| | Emissions PM (g/kWh) | N/A | | |
| EMISSIONS | Emission CO (g/kW.h) | N/A | | |
| | Emissions HCNOx (g/kWh) | N/A | | |
| | Emission HC (g/kW.h) | N/A | | |
| | Lillission fie (g/kw.ii) | 14/7 | | |







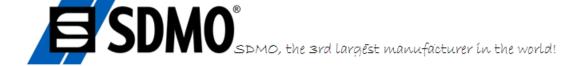




ALTERNATOR SPECIFICATIONS

| | Alternator brand | LEROY SOMER | | |
|--------------|--|-------------|--|--|
| | Alternator | LSA432M45 | | |
| | Number of phase | 3 | | |
| | Power factor (Cos Phi) | 0.8 | | |
| | Altitude (m) | <1000 | | |
| | Overspeed (rpm) | 2250 | | |
| | Number of pole | 4 | | |
| DATA | Excitation system | SHUNT | | |
| | Insulation class / Temperature class | H/H | | |
| GENERAL DATA | Regulation | R230 | | |
| | Total harmonics TGH/THC | <2 | | |
| | Wave form : NEMA=TIF-TGH/THC | <50 | | |
| | Wave form : CEI=FHT-TGH/THC | <2 | | |
| | Number of bearing | 1 | | |
| | Coupling | DIRECT | | |
| | Voltage regulation 0 to 100% | 0.5% | | |
| | Recovery time (Delta U = 20% transitoire) (ms) | 500 | | |
| | Continuous Nominal Rating 40°C (kVA) | 71 | | |
| | Standby Rating 27°C (kVA) | 78 | | |
| | Efficiencies 4/4 load (%) | 89.8 | | |
| | Air flow (cfm) | 0.32 | | |
| | Short circuit ratio (Kcc) | 0.39 | | |
| | Direct axis synchro reactance unsaturated (Xd) (%) | 300 | | |
| | Quadra axis synchro reactance unsaturated (Xq) (%) | 180 | | |
| | Open circuit time constant (T'do) (ms) | 1270 | | |
| | Direct axis transient reactance saturated (X'd) (%) | 12 | | |
| | Short circuit transient time constant (T'd) (ms) | 50 | | |
| OTHER | Direct axis subtransient reactance saturated (X"d) (%) | 6 | | |
| | Subtransient time constant (T"d) (ms) | 5 | | |
| DATA | Quadra axis subtransient reactance saturated (X"q) (%) | 7.3 | | |
| | Zero sequence reactance unsaturated (Xo) (%) | 0.1 | | |
| | Negative sequence reactance saturated (X2) (%) | 6.6 | | |
| | Armature time constant (Ta) (ms) | 8 | | |
| | No load excitation current (io) (ms) | 0.4 | | |
| | Full load excitation current (ic) (A) | 1.6 | | |
| | Full load excitation voltage (uc) (A) | 29 | | |
| | Recovery time (Delta U = 20% transitoire) (ms) | 500 | | |
| | Motor start (Delta U = 20% perm. or 50% trans.) (ms) | 198 | | |
| | Transient dip (4/4 charge) - PF: 0,8 AR (%) | 15.3 | | |
| | No load losses (kW) | 1.64 | | |
| | Heat rejection (kW) | 6.42 | | |







CONTROL PANELS

Standard

NEXYS

NEXYS

Specifications: Frequency meter, Ammeter, Voltmeter Alarms and faults: Oil pressure, water temperature, Overcrank, Overspeed (>60 kVA), Min/max alternator, Low fuel level, Emergency stop

Engine parameters: Hours counter, Engine speed, Battery voltage,

Fuel level, Alr preheating

Option

TELYS 2



TELYS

Specifications: Frequency meter, Ammeter, Voltmeter Alarms and faults: Oil pressure, water temperature, No start-up, Overspeed, Min/max alternator, Min/max battery voltage, Low fuel level, Emergency stop

Engine parameters: Hours counter, Oil pressure, Water temperature, Engine speed, Battery voltage, Fuel level,

Remote monitoring and control

ACCESSORIES AND OPTIONS

Option

50 to 3000 AMP Automatic Transfer Switches, UL1008 listed



With a Series 300 transfer switch, you get a product backed by ASCO Power Technologies, the industry leader

- •True double-throw operation: single solenoid design is inherently interlocked & prevents contacts from stopping between sources
- Easy-to-read flush-mounted control and display panel provides LED indicators for switch position and source availability
- •Standard engine exerciser for weekly automatic testing with or without load
- •UL 1008 listed for Transfer Equipment and CSA C22.2 listed
- •NFPA 110 for Emergency & Standby Power & the National Electrical (NEC) Articles 700, 701 and 702

Option

50 to 10000 GAL fuel tanks, UL142 listed

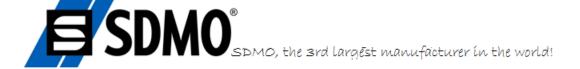


- •UL listed. Secondary containment tank meeting UL 142 tank requirements
- •NFPA compliant. Designed to comply with the installation standards of NFPA 30 and NFPA 37
- •Emergency pressure relief vents. Meets UL requirements; ensures adequate venting of inner and outer tank under extreme pressure and/or emergency conditions
- •Electrical stub-up area with removable end channel
- •Normal vent Inner tank emergency vent sized to UL 142 specs
- •Direct reading mechanical fuel gauge Fuel in basin switch
- Satin black paint finish

GENERAL POWER LIMITED, INC

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M129

Weather / Soundproof Enclosure

STANDARD FEATURES

- They protect stationary and mobile generator against the bad weather, against the theft and enables the reduction of the noise level.
- Enclosures are of 12 gauge steel. Steel sheet are electro zinc coated before painting (inside and outside) with a polyester powder rust inhibiting coat.
- High corrosion resistance: stainless covered with zinc and made in dichromate, bolts and rivets, anodized aluminium alloy hinges flexible seals between body sections.
- Soundfoam between 20 and 50 mm (1 to 2 in) acoustical sound treatment
- Lifting eye(s) on top of the enclosure fixed to the skid
- Large doors allow easy access to the generator set for service and monitoring purposes
- Window in "securit" glass mounted on enclosure door for control viewing .
- A critical silencer is mounted inside the enclosure
- Emergency stop button is accessible from outside enclosure.



| Model | Sound level | | | Dimensions | Weight | Tank |
|--------|-----------------------|----|-----|-----------------------|--------|------|
| | dB(A)@1m dB(A)@7m LWA | | | (mm) | (kgs) | (I) |
| J60UC3 | 79 | 69 | N/A | 2554 x 1150 x 1680 | 1530 | 190 |

