



ITM

Groupes Electrogènes

**VENTE
INSTALLATION
LOCATION
MAINTENANCE**

(7/7 - 24/24)

MATERIEL D'OCCASION GROUPE ELECTROGENE SDMO - 300 KVA

INFORMATIONS GENERALES	
Marque	SDMO
Puissance	275 KVA ESP - 300 KVA ESP
Année	2007
Heures	7622
Version	CAPOTE INSONORISE
MOTEUR	
Marque	JOHN DEERE
Type	6081 HF 001
N° série	NC
Régime	1500 TR
Nombre de cylindres	6
Refroidissement	EAU PAR RADIATEUR ATTELÉ
ALTERNATEUR	
Marque	LEROY SOMER
Type	LSA462L9
N° de série	NC
Tension / fréquence	400 V / 50HZ
ACCESSOIRES	
CAPOTÉ INSONORISE – DEMARAGE AUTOMATE - RJ INTEGRÉ	
DIMENSIONS ET POIDS	
Dimensions (mm)	6500 x 1400
Poids (kg)	+/- 7000 kg
CONDITIONS DE VENTE	
Matériel vendu en l'état sans garantie	
Prix départ Dasle (25 - France) - EXW	
Paiement avant enlèvement	



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ALTERNATOR SPECIFICATIONS

GENERAL DATA

- Compliance with NEMA MG21, UTE NF C51.111, VDE 0530, BS 4999, CSA standards.
- Vacuum-impregnated windings with epoxy varnish.
- IP23 drip proof.

ALTERNATOR DATA

	LEROY SOMER LSA462L9
Manufacturer / Type	3
Number of phase	0.8
Power factor (Cos Phi)	< 1000 m
Altitude	2250 rpm
Overspeed	4
Pole : number	AREP
Exciter type	H / H
Insulation : class, temperature rise	R448
Voltage regulator	N/A
Sustained short circuit current	< 4%
Total harmonics (TGH/THC)	< 50
Wave form : NEMA = TIF - TGH/THC	< 2%
Wave form : CEI = FHT - TGH/THC	1
Bearing : number	Direct
Coupling	+/- 1%
Voltage regulation 0 to 100% load	< 500 ms
Recovery time (20% Volt dip) ms	N/A
SkVA with 90 % of nominal sustained voltage (at 0.4 PF)	

OTHER ALTERNATOR DATA

Continuous nominal rating @ 40°C	280 kVA
Standby rating @ 27°C	302 kVA
Efficiencies @ 4/4 load	93 %
Air flow	0.43m ³ /s [911.11cfm]
Short circuit ratio;50 (Ksc)	0.48
Direct axis synchro reactance unsaturated (Xd)	295 %
Quadrature axis synchro reactance unsaturated (Xq)	177 %
Open circuit time constant;50 (Tdo)	2170 ms
Direct axis transient reactance saturated (X'd)	13.5 %
Short circuit transient time constant (T'd)	105 ms
Direct axis subtransient reactance saturated (X''d)	8.1 %
Subtransient time constant (T''d)	10 ms
Quadrature axis subtransient reactance saturated (X''q)	10 %
Zero sequence reactance unsaturated (Xco)	0.7 %
Negative sequence reactance saturated (X2)	9.1 %
Armature time constant (Ta)	16 ms
No load excitation current (io)	1.2 A
Full load excitation current (ic)	4 A
Full load excitation voltage (uc)	35 V
Recovery time (Delta U = 20% transitoire)	< 500 ms
Motor start (Delta U = 20% perm. Or 50% transitoire)	580 kVA



ENGINE DATA

Manufacturer / Model	JOHN DEERE 6081HF001 , 4-cycle, Turbo , Air/Water SC
Cylinder Arrangement	6 X L
Displacement	8.1L [494.3C.I.]
Bore and Stroke	116mm [4.6in.] X 129mm [5.1in.]
Compression ratio	15.7 : 1
Rated RPM	1500 Rpm
Piston Speed	6.45m/s [21.2ft./s]
Max. stand by Power at rated RPM	261kW [350BHP]
Frequency regulation, steady state	+/- 2.5%
BMEP	27.2bar [394psi]
Governor : type	Meca
Exhaust System	
Exhaust gas flow	740L/s [1568cfm]
Exhaust temperature	640°C [1184°F]
Max back pressure	750mm CE [30in. WG]
Fuel System	
110% (Stand By power)	68L/h [18.0gal/hr]
100% (of the Prime Power)	56.9L/h [15.0gal/hr]
75% (of the Prime Power)	42.6L/h [11.3gal/hr]
50% (of the Prime Power)	28.4L/h [7.6gal/hr]
Total fuel flow	203L/h [53.6gal/hr]
Oil System	
Total oil capacity w/ filters	32L [8.5gal]
Oil Pressure low idle	2.1bar [30.4psi]
Oil Pressure rated RPM	2.75bar [39.8psi]
Oil consumption 100% load	0.08L/h [0.0gal/hr]
Oil capacity carter	31L [8.2gal]
Thermal balance 100% load	
Heat rejection to exhaust	213kW [1211Btu/mn]
Radiated heat to ambient	34kW [1933Btu/mn]
Heat rejection to coolant	N/A
Air intake	
Max. intake restriction	625mm CE [25in. WG]
Engine air flow	303L/s [642cfm]
Coolant System	
Radiator & engine capacity	40L [10.6gal]
Max water temperature	105°C [221°F]
Outlet water temperature	93°C [199°F]
Fan power	7 kW
Fan air flow	5.5m ³ /s [11655cfm]
Available restriction on air flow	20mm CE [0.8in. WG]
Type of coolant	Gencol
Thermostat	82-94 °C

SARL ITM | Usine de la Gare - Route de Dampierre les Bois - 25230 DASLE

Tél. : 03 81 37 36 93 - Fax : 03 81 37 37 73 - Mail : contact@groupes-electrogenes.eu

www.groupes-electrogenes.eu