

J75UC

DIESEL GENSET

MODEL	J75UC
Stand-by Power @ 60Hz	75kW / 94 kVA
Prime Power @ 60Hz	68 kW / 85 kVA

Standard Features

General features :

- Engine (JOHN DEERE , 4045TF275)
- Engine EPA Carb Charge alternator 12 V , Governor:Elec
- Alternator (LEROY SOMER , LSA432L8)
- Single bearing alternator IP 23 , insulation class H /H
- Radiator 50°C [122°F]°C max. T° air inlet with coolant cap
- Skid and vibration isolators
- Dry type air filter
- Main line circuit breaker
- Microprocessor control panel
- 12 V battery, rack and cable
- Industrial silencer (loose)
- User manual ^pCSA Certified (consult us)



Generator Ratings

Voltage	HZ	Phase	P.F	Standby Amps	Standby Ratings kW/kVA	Prime Ratings kW/kVA
480/277	60	3	0.8	113	75 / 94	68 / 85
440/254	60	3	0.8	123	75 / 94	68 / 85
230/115	60	3	0.8	221	70 / 88	64 / 80
220/127	60	3	0.8	247	75 / 94	68 / 85
208/120	60	3	0.8	258	74 / 93	68 / 85
600/347	60	3	0.8	90	75 / 94	68 / 85

PRP : Prime Power is available for an unlimited number of annual operating hours in variable load applications, in accordance with ISO 8528-1. A 10% overload capability is available for a period of 1 hour within 12-hour period of operation, in accordance with ISO 3046-1

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.

Conditions of sale

- SDMO provides a full line of products with high quality recognized engines and alternators.
- Service and parts are available from SDMO distributors as a single source of responsibility.
- Each and every units is factory tested. All generator sets are also prototype tested.
- Warranty according to our standard conditions. Five years extended also available

ENGINE DATA

Manufacturer / Model	JOHN DEERE 4045TF275 , 4-cycle, Turbo , N/A
Cylinder Arrangement	4 X L
Displacement	4.48L [273.4C.I.]
Bore and Stroke	106mm [4.2in.] X 127mm [5.0in.]
Compression ratio	17 : 1
Rated RPM	1800 Rpm
Piston Speed	7.62m/s [25.0ft./s]
Max. stand by Power at rated RPM	82kW [110BHP]
Frequency regulation, steady state	+/-0.5%
BMEP	11bar [159psi]
Governor : type	Elec

Exhaust System

Exhaust gas flow	292L/s [619cfm]
Exhaust temperature	560°C [1040°F]
Max back pressure	750mm CE [30in. WG]

Fuel System

110% (Stand By power)	21.5L/h [5.7gal/hr]
100% (of the Prime Power)	21.3L/h [5.6gal/hr]
75% (of the Prime Power)	16.2L/h [4.3gal/hr]
50% (of the Prime Power)	11L/h [2.9gal/hr]
Total fuel flow	112L/h [29.6gal/hr]

Oil System

Total oil capacity w/filters	13.5L [3.6gal]
Oil Pressure low idle	1bar [14.5psi]
Oil Pressure rated RPM	5bar [72.5psi]
Oil consumption 100% load	0.02L/h [0.0gal/hr]
Oil capacity carter	12.5L [3.3gal]

Thermal balance 100% load

Heat rejection to exhaust	69kW [3923Btu/mn]
Radiated heat to ambient	10kW [569Btu/mn]
Heat rejection to coolant	52kW [2957Btu/mn]

Air intake

Max. intake restriction	625mm CE [25in. WG]
Engine air flow	130L/s [275cfm]

Coolant System

Radiator & engine capacity	23.6L [6.2gal]
Max water temperature	105°C [221°F]
Outlet water temperature	93°C [199°F]
Fan power	2 kW
Fan air flow	3.5m ³ /s [7417cfm]
Available restriction on air flow	20mm CE [0.8in. WG]
Type of coolant	Gencool
Thermostat	82-94 °C

Emissions

HC	47.00 gr/bhp/h
CO	9.70 gr/bhp/h
Nox	47.00 gr/bhp/h
PM	19.40 gr/bhp/h

