



Output Ratings

Generating Set Model	J500	J550E
380 - 415V, 50 Hz	500.0 kVA 400.0 kW	550.0 kVA 440.0 kW

Ratings at 0.8 pf

Ratings Definitions

Prime Power - Model J500

These ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation to the annual hours of operation and this model can supply 10% overload power for 1 hour in 12 hours.

Standby Power - Model J550E

These ratings are applicable for supplying continuous electrical power (at variable load) in event of a utility power failure. No overload is permitted on these ratings. The alternator on this model is peak continuous rated (as defined in ISO8528-3).

Technical Data

Model:	J500 / J550E
Engine Model:	2806C-E 16TAG2
Alternator Model: FGW (Le Roy Somer)	LL6014H (LSA 47.1L10)
Number of Cylinders:	6 in line
Displacement: Litres (Cu.in)	15.8 (964.0)
Bore/Stroke: mm (in)	140.0 (5.5) / 171 (6.7)
Compression Ratio:	15.9:1
Induction:	Turbocharged, AA Charge Cooled
Frequency:	50Hz
Engine Speed:	1500 RPM
Maximum continuous Power at Flywheel: kW (hp)	483.0 (648.0)
BMEP: KPA (psi)	2446.0 (354.8)
Piston Speed: m/sec (ft/sec)	8.55 (28.1)
Fuel Tank Capacity: Litres (US Gal)	863.0 (228.0)
Fuel Consump, J500: L/hr (Usg/hr)	107.9 (28.0)
Fuel Consump, J550E: L/hr (Usg/hr)	118.2 (31.2)
Heat Rejected to Exhaust System: kW (Btu/min)	376.0 (21383.0)
Heat Rejected to Water & Lube Oil: kW (Btu/min)	176.9 (10060.0)
Heat Radiated to Room: kW (Btu/min)	52.4 (2980)
Exhaust Gas Temperature: °C (°F)	457.7 (856.0)
Cooling Air Flow: m3/min (cfm)	564 (19917)
Combustion Air Flow: m3/min (cfm)	36.9 (1303)
Exhaust Gas Flow: m3/min (cfm)	93.9 (3316)

Note: Standard reference conditions 27°C (80°F) Air Inlet Temp, 152.4m (500ft) A.S.L. 60% relative humidity. All engine performance data based on the above mentioned maximum continuous ratings. Fuel consumption data at full load with diesel fuel with specific gravity of 0.85 and conforming to BS2869: 1998, class A2.

Dimensions and Weights

Length: mm (in)	Width: mm (in)	Height: mm (in)	Dry: kg (lb)	Wet: kg (lb)
3828 (152.6)	1150 (45.3)	2197 (86.5)	3760 (8289)	3810 (8400)

Dry = With Lube Oil

Wet = With Lube Oil and Coolant

Generating set pictured may include optional accessories



J500/J550E



ISO 9001:2000

In line with our policy of continuous product development, we reserve the right to change specification without notice.

BEIRUT Head Office Riad El Solh, Chaker & Oweini Bldg. Gr. Floor
Tel/Fax 01 985647 /48 /49 /50

Showroom Airport Bridge, Aldibi Center
Tel/Fax 01 840209 /224 /228

Maintenance 24hrs service. Tel 03 721684

Factory Bchamoun, Zouhour street,
previously Coca Cola Warehouses
Tel 05 806141 /2

SIDON Tel 03 721684

Website www.jubaili.com E-mail info@jubaili.com