



## DIESEL GENERATOR SET LG850C SPECIFICATION

MODEL		Power rating		Voltage available			
		PRIME(1)	STANDBY(2)				
LG850C	220V/60Hz	620KW	680KW	208/120v	220/127v	240/139v	
	PF:0.8	775KVA	850KVA	380/220v	440/254v	480/277v	600/347v

### GENERAL INFORMATION

#### DIESEL GENERATOR SET

Model	LG850C
Motor	Cummins KT38G
Alternator	Stamford HCI544F
Speed Control Type	Electronical
Phase	Three
Fuel Tank Capacity	
System Voltage	24V
Frequency	60HZ
Engine Coolant Flow	25.9L/sec
Air Intake Flow	991L/sec
Exhaust Air Flow	276L/sec
Exhaust Temperature	529°C

#### ENGINE

Maximum output(kw)	746KW
Number of Cylinders	12
Aspiration	Turbocharged
Cycle	4
Fuel Type	Diesel
Combustion Type	Direct Injection
Cooling Type	Water Cooled
Bore	159mm
Stroke	159mm
Displacement	37.8 L
Compression Ratio	15.5:1
Lubrication Capacity	114L
Coolant Capacity	111L

#### Alternator

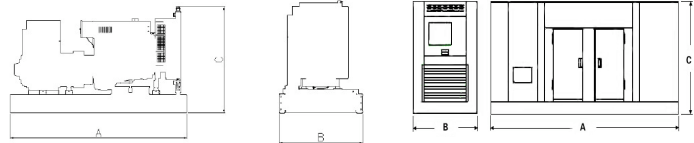
Insulation	Clase"H"
Excitation Type	Self-excitation or PMG
Protection class	IP23

#### Certificates

Engine	ISO 3046,BS 5514,DIN 6271
Alternator	UTE NFC 51-111-105-110 ICE34-1,BS 5000-4999 NEMA MG 21,VDE 0530
Generator Set	ISO 8528 CSA

FUEL CONSUMPTION	1800RPM
	L/hr
Standby Power(2)	173
Prime Power(1)	154
75% Prime Power(1)	118
50% Prime Power(1)	84

DIMENSION	OPEN	SILENT
Length (A)	4400mm	6058mm
Width (B)	1750mm	2438mm
Height (C)	2180mm	2591mm
Net Weight	6650KG	7820KG



(1)Prime Power: ratings are as per DIN 6271,BS55114 and ISO-3046 with 10% overload capacity

(2)Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.

(3)Operation at Altitude  $\leq$  1500m, Ambient temperature  $\leq$  40°C).If altitude higher than 1500m, each 100m will cause additional de-rating 1%.

#### Certification ISO 9001:2000

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