



DIESEL GENERATOR SET LG500C SPECIFICATION

MODEL		Power rating		Voltage available			
		PRIME(1)	STANDBY(2)				
LG500C	220V/60Hz	360KW	400KW	208/120v	220/127v	240/139v	
	PF:0.8	450KVA	500KVA	380/220v	440/254v	480/277v	600/347v

GENERAL INFORMATION

DIESEL GENERATOR SET

Model	LG500C
Motor	Cummins KTA19G2
Alternator	Stamford HCI444F
Speed Control Type	Electronical
Phase	Three
Fuel Tank Capacity	
System Voltage	24V
Frequency	60HZ
Engine Coolant Flow	12.4L/sec
Air Intake Flow	623L/sec
Exhaust Air Flow	16991L/sec
Exhaust Temperature	513°C

ENGINE

Maximum output(kw)	448KW
Number of Cylinders	12
Aspiration	Turbocharged & Charge Air Cooled
Cycle	4
Fuel Type	Diesel
Combustion Type	Direct Injection
Cooling Type	Water Cooled
Bore	159mm
Stroke	159mm
Displacement	18.9 L
Compression Ratio	13.9:1
Lubrication Capacity	38L
Coolant Capacity	30L

Alternator

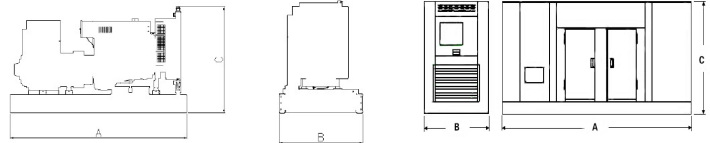
Insulation	Clase"H"
Excitation Type	Self-excitation or PMG
Protection class	IP23

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)	91
Prime Power(1)	83
75% Prime Power(1)	64
50% Prime Power(1)	46

DIMENSION	OPEN	SILENT
Length (A)	3380mm	4650mm
Width (B)	1400mm	1600mm
Height (C)	2050mm	2260mm
Net Weight	3900KG	4670KG



(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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