



DIESEL GENERATOR SET LG44C5-2 / LG55C6-2 SPECIFICATION

MODEL	Power rating		Voltage available		
	PRIME(1)	STANDBY(2)			
LG44C5-2 400V/50Hz PF:0.8	32KW 40KVA	35KW 44KVA	380/220v	400/230v	415/240v
LG55C6-2 220V/60Hz PF:0.8	40KW 50KVA	44KW 55KVA	208/120v 380/220v	220/127v 440/254v	240/139v 480/277v

GENERAL INFORMATION

DIESEL GENERATOR SET

Model	LG44C5-2 / LG55C6-2	
Motor	Cummins 4BT3.9G2	
Alternator	STAMFORD OR LEROY SOMER	
Speed Control type	Electronically	
Phase	Three	
Fuel Tank Capacity	180LT / 48Galones	
System Voltage	24V	
Frequency	50HZ	60HZ
Engine coolant flow	1.6L/sec	2.2L/sec
Air intake flow	45L/sec	50L/sec
Exhaust air flow	108L/sec	120L/sec
Exhaust Temperature	487°C	487°C

ENGINE

Maximum output(kw)	40KW(50Hz)	45KW(60HZ)
Number of Cylinders	4	
Aspiration	Turbocharged	
Cycle	4	
Fuel Type	Diesel	
Combustion Type	Direct Injection	
Cooling Type	Water cooled	
Bore	102mm	
Stroke	120mm	
Displacement	3.9 L	
Compression Ratio	17.3:1	
Lubrication Capacity	9.5 liter	
Coolant Capacity	7.2 liter	

FUEL CONSUMPTION	1500 RPM	1800RPM
	L/hr	L/hr
Standby Power(2)	11.1	12.5
Prime Power(1)	10.0	11.5
75% Prime Power(1)	7.9	9.4
50% Prime Power(1)	5.9	7.4

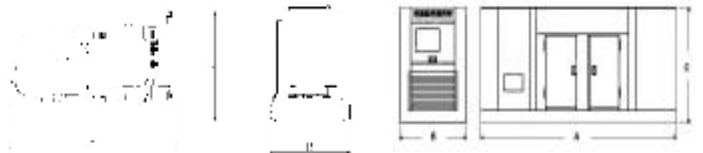
DIMENSION	OPEN	SILENT
Length (A)	1750mm	2450mm
Width (B)	970mm	1080mm
Height (C)	1530mm	1770mm
Net Weight	110KG	1400KG

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



(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 ≤1500m, Ambient temperature ≤ 40°C).If altitude higher than 1500m, each 100m will cause additional de-rating 1%.

Certificacion ISO 9001:2000

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