



DIESEL GENERATOR SET LG55C5 / LG66C6

SPECIFICATION

MODEL		Power rating		Voltage available		
		PRIME(1)	STANDBY(2)			
LG55C5	400V/50Hz	40KW	44KW	380/220v	400/230v	415/240v
	PF:0.8	50KVA	55KVA			
LG66C6	220V/60Hz	48KW	53KW	208/120v	220/127v	240/139v
	PF:0.8	60KVA	66KVA	380/220v	440/254v	480/277v

GENERAL INFORMATION

DIESEL GENERATOR SET

Model	LG55C5 / LG66C6	
Motor	Cummins 4BTA3.9G2	
Alternator	STAMFORD OR LEROY SOMER	
Speed Control type	Electronically	
Phase	Three	
Fuel Tank Capacity	220LT / 58Galones	
System Voltage	24V	
Frequency	50HZ	60HZ
Engine coolant flow	1.6L/sec	2.2L/sec
Air intake flow	59L/sec	83L/sec
Exhaust air flow	165L/sec	226L/sec
Exhaust Temperature	540℃	560℃

ENGINE

Maximum output(kw)	64KW(50Hz)	74KW(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	8.3 liter	

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

FUEL CONSUMPTION	1500 RPM	1800RPM
	L/hr	L/hr
Standby Power(2)	17	19
Prime Power(1)	15	17
75% Prime Power(1)	11	13
50% Prime Power(1)	8	9

DIMENSION	OPEN	SILENT
Length (A)	1850mm	2450mm
Width (B)	970mm	1080mm
Height (C)	1530mm	1770mm
Net Weight	1170KG	1490KG



(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 $\leq 1500\text{m}$, Ambient temperature $\leq 40^{\circ}\text{C}$).If altitude higher than 1500m, each 100m will cause additional de-rating 1%.

Certificacion ISO 9001:2000

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