



## DIESEL GENERATOR SET LG55C SPECIFICATION

Model	Power Rating	Voltage Available				
		PRIME(1)	STANDBY(2)			
LG55C	220V/60Hz	40KW	44KW	208/120v	220/127v	240/139v
	PF:0.8	50KVA	55KVA	380/220v	440/254v	480/277v 600/347v

### GENERAL INFORMATION

#### DIESEL GENERATOR SET

Model	LG55C
Motor	Cummins 4BT3.9G2
Alternator	Stamford PI144J
Speed Control Type	Electronical
Phase	Three
Fuel Tank Capacity	
System Voltage	24V
Frequency	60HZ
Engine Coolant Flow	0.132m <sup>3</sup> /m
Air Intake Flow	3m <sup>3</sup> /m
Exhaust Air Flow	7.2m <sup>3</sup> /m
Exhaust Temperature	487°C

#### ENGINE

Maximum Output(kw)	45KW
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	7.2liter

Fuel consumption	1800rpm
	L/hr
Standby Power(2)	12.5
Prime Power(1)	11.5
75% Prime Power(1)	9.4
50% Prime Power(1)	7.4

Dimension	Open	Silent
Length (A)	1750mm	2450mm
Width (B)	970mm	1080mm
Height (C)	1500mm	1865mm
Net Weight	1100KG	1400KG

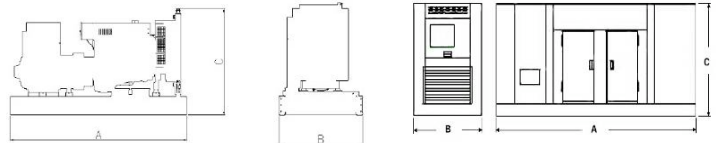
#### Alternator

Insulation	Clase"H"
Excitation Type	Self-excitation (PMG for optional)
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 ISO 8528 CSA

#### Generator Set



(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%.

#### Certification ISO 9001:2000

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