



DIESEL GENERATOR SET LG163C SPECIFICATION

Model	Power Rating		Voltage Available			
	PRIME(1)	STANDBY(2)				
LG163C	220V/60Hz 118KW PF:0.8	130KW 163KVA	208/120v	220/127v	240/139v	480/277v 600/347v

GENERAL INFORMATION

DIESEL GENERATOR SET

Model	LG163C
Motor	Cummins 6BTAA5.9G2
Alternator	Stamford UCI274E
Speed Control Type	Electronical
Phase	Three
Fuel Tank Capacity	
System Voltage	24V
Frequency	60HZ
Engine Coolant Flow	0.144m³/m
Air Intake Flow	8.52m³/m
Exhaust Air Flow	24.06m³/m
Exhaust Temperature	570°C

ENGINE

Maximum Output(kw)	145KW
Number of Cylinders	6
Aspiration	Turbocharged & Charge Air Cooled
Cycle	4
Fuel Type	Diesel
Combustion Type	Direct Injection
Cooling Type	Water Cooled
Bore	102mm
Stroke	120mm
Displacement	5.9 L
Compression Ratio	17.3:1
Lubrication Capacity	14.2 liter
Coolant Capacity	10liter

Fuel consumption	1800rpm
	L/hr
Standby Power(2)	38
Prime Power(1)	34
75% Prime Power(1)	25
50% Prime Power(1)	18

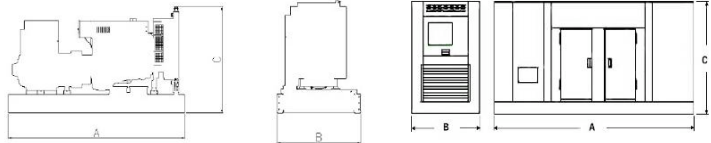
Alternator

Insulation	Class "H"
Excitation Type	Self-excitation (PMG for optional)
Protection Class	IP23

Dimension	Open	Silent
Length (A)	2320mm	3200mm
Width (B)	980mm	1080mm
Height (C)	1550mm	2000mm
Net Weight	1550KG	1930KG

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



(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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