



DIESEL GENERATOR SET LG1650C6

SPECIFICATION

MODEL	Power rating		Voltage available		
	PRIME(1)	STANDBY(2)			
LG1650C6 220V/60Hz	1200KW	1320KW	208/120v	220/127v	240/139v
PF:0.8	1500KVA	1650KVA	380/220v	440/254v	480/277v

GENERAL INFORMATION

DIESEL GENERATOR SET

Model	LG1650C6
Motor	Cummins KTA50G9
Alternator	STAMFORD OR LEROY SOMER
Speed Control type	Electronically
Phase	Three
Fuel Tank Capacity	N/A (Open Type) 600L (ISO40HC Containerized)
System Voltage	24V
Frequency	60HZ
Engine coolant flow	27.1L/sec
Air intake flow	2075L/sec
Exhaust air flow	5025L/sec
Exhaust Temperature	515°C

ENGINE

Maximum output(kw)	1656KW(60HZ)
Number of Cylinders	16
Aspiration	Turbocharged & Charge Air Cooled
Cycle	4
Fuel Type	Diesel
Combustion Type	Direct Injection
Cooling Type	Water cooled
Bore	159mm
Stroke	159mm
Displacement	50.3 L
Compression Ratio	13.9:1
Lubrication Capacity	178liter
Coolant Capacity	140liter

FUEL CONSUMPTION	1800RPM
	L/hr
Standby Power(2)	392
Prime Power(1)	330
75% Prime Power(1)	257
50% Prime Power(1)	180

Alternator

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

DIMENSION	OPEN	SILENT
Length (A)	5350mm	12192mm
Width (B)	2150mm	2438mm
Height (C)	2550mm	2896mm
Net Weight	9800kg	21400KG

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, BS5514 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 ≤ 1500 m, Ambient temperature $\leq 40^\circ\text{C}$. If altitude higher than 1500m, each 100m will cause additional de-rating 1%.

Certification ISO 9001:2000

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