



## DIESEL GENERATOR SET LG55YD SPECIFICATION

MODEL		Power rating		Voltage available		
		PRIME(1)	STANDBY(2)			
LG55YD	220V/60Hz	40KW	44KW	208/120v	220/127v	240/139v
	PF:0.8	50KVA	55KVA	380/220v	440/254v	480/277v

### GENERAL INFORMATION

#### DIESEL GENERATOR SET

Model	LG55YD
Motor	Y4102ZD
Alternator	LEEGA
Speed Control type	M
Phase	Three
Fuel Tank Capacity	80 L(Slient) 160 L(Open)
System Voltage	12V
Frequency	50HZ                      60HZ

#### ENGINE

Maximum output(kw)	48KW(50Hz)	53KW(60HZ)
Number of Cylinders	4	
Aspiration	Turbo charged	
Cycle	4	
Fuel Type	Diesel	
Combustion Type	Indirect Injection	
Cooling Type	Water cooled	
Bore	102mm	
Stroke	118mm	
Displacement	4.1 L	
Compression Ratio	18.5:1	
Lubrication Capacity	10.5 liter	
Coolant Capacity	4.2 liter	

FUEL CONSUMPTION	1500 RPM	1800RPM
	L/hr	L/hr
Standby Power(2)	9.36	11.23
Prime Power(1)	8.51	10.21
75% Prime Power(1)	6.38	7.66
50% Prime Power(1)	4.26	5.11

DIMENSION	OPEN	SILENT
Length (A)	1880mm	2450mm
Width (B)	760 mm	850mm
Height (C)	1300mm	1290mm
Net Weight	810 kg	1000kg

#### Alternator

Insulation	Clase"H"
Excitation Type	Self-excitation
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 maximum of 500 hours during one year of which 300 hours may be for continuous t

(3)Operation at Altitude ≤1500m, Ambient temperature ≤ 40℃).If altitude higher than 1500m, each 300m will cause additional de-rating 4%.

#### Certificacion ISO 9001:2000

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