



## DIESEL GENERATOR SET LG27.5YD SPECIFICATION

MODEL	Power rating		Voltage available		
	PRIME(1)	STANDBY(2)			
LG27.5YD PF:0.8	20KW	22KW	208/120v	220/127v	240/139v
	25KVA	27.5KVA	380/220v	440/254v	480/277v

### GENERAL INFORMATION

#### DIESEL GENERATOR SET

Model	LG27.5YD
Motor	YSD490D
Alternator	LEEGA
Speed Control type	M
Phase	Three
Fuel Tank Capacity	70 L(Slient) 160 L(Open)
System Voltage	12V
Frequency	50HZ                      60HZ

### ENGINE

Maximum output(kw)	21KW(50Hz)	25KW(60HZ)
Number of Cylinders	4	
Aspiration	Naturally aspirated	
Cycle	4	
Fuel Type	Diesel	
Combustion Type	Indirect Injection	
Cooling Type	Water cooled	
Bore	90mm	
Stroke	100mm	
Displacement	2.54 L	
Compression Ratio	18.9:1	
Lubrication Capacity	7.4 liter	
Coolant Capacity	2.7 liter	

FUEL CONSUMPTION	1500 RPM	1800RPM
	L/hr	L/hr
Standby Power(2)	5.08	6.48
Prime Power(1)	4.62	5.89
75% Prime Power(1)	3.47	4.42
50% Prime Power(1)	2.31	2.95

DIMENSION	OPEN	SILENT
Length (A)	1700mm	2250mm
Width (B)	760 mm	850mm
Height (C)	1250mm	1140mm
Net Weight	570 kq	750kq

### 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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