



PROTELEC

GRUPOS ELECTRÓGENOS

- Grupos Electrógenos
- Servicio Técnico Multimarca
- Arriendos
- Automatización y Sincronismo

DIESEL GENERATOR SET GD100085 SPECIFICATION

MODEL	Power rating		Voltage available	
	PRIME(1)	STANDBY(2)		
GD100085	400V/50Hz PF:0.8	68KW 85KVA	75KW 94KVA	380/220v 400/230v

GENERAL INFORMATION

DIESEL GENERATOR SET

Model	GD100085	
Motor	Cummins 6BT5.9G2	
Alternator	STAMFORD OR LEROY SOMER	
Speed Control type	Electrical	
Phase	Three	
Fuel Tank Capacity	340LT / 90Galones	
System Voltage	24V	
Frequency	50HZ	60HZ
Engine coolant flow	2.0L/sec	2.4L/sec
Air intake flow	110L/sec	137L/sec
Exhaust air flow	395L/sec	305L/sec
Exhaust Temperature	580°C	540°C

ENGINE

Maximum output(kw)	106KW(50Hz)	127KW(60HZ)
Number of Cylinders	6	
Aspiration	Turbocharged	
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	7.9 liter	

FUEL CONSUMPTION	1500 RPM	1800RPM
	L/hr	L/hr
Standby Power(2)	25	33.6
Prime Power(1)	22	29.7
75% Prime Power(1)	17	22.2
50% Prime Power(1)	11	15.6

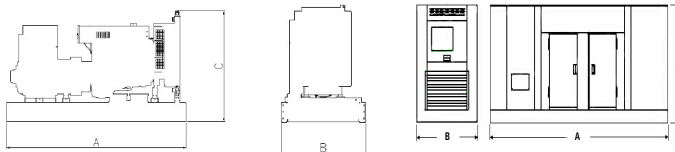
DIMENSION	OPEN	SILENT
Length (A)	2200mm	3300mm
Width (B)	1030mm	1080mm
Height (C)	1580mm	1970mm
Net Weight	1250KG	1780KG

Alternator

Insulation	Clase"H"
Excitation Type	Self-excitation or PMG
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 max. of 500 hours during one year of which 300 hours may be for continuous use.

(3)Operation at Altitude \leq 1500m, Ambient temperature \leq 40°C).If altitude higher than 1500m, each 100m will cause additional de-rating 1%.

Certificacion ISO 9001:2000

MAS QUE ENERGÍA, UN COMPROMISO DE CALIDAD

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