



PROTELEC

GRUPOS ELECTRÓGENOS

- Grupos Electrógenos
- Servicio Técnico Multima
- Arriendos
- Automatización y Sincror

DIESEL GENERATOR SET GD100030 SPECIFICATION

MODEL	Power rating		Voltage available	
	PRIME(1)	STANDBY(2)		
GD100030	400V/50Hz PF:0.8	22KW 27KVA	24KW 30KVA	380/220v 400/230v

DIESEL GENERATOR SET

Model	GD100030	
Motor	Cummins 4B3.9G1	
Alternator	STAMFORD OR LEROY SOMER	
Speed Control type	Mechanical	
Phase	Three	
Fuel Tank Capacity	220LT / 58Galones	
System Voltage	24V	
Frequency	50HZ	60HZ
Engine coolant flow	1.6L/sec	2.2L/sec
Air intake flow	32.9L/sec	34L/sec
Exhaust air flow	71.1L/sec	72L/sec
Exhaust Temperature	410°C	410°C

ENGINE

Maximum output(kw)	27KW(50Hz)	30KW(60HZ)
Number of Cylinders	4	
Aspiration	Natural inspire	
Cycle	4	
Fuel Type	Diesel	
Combustion Type	Direct Injection	
Cooling Type	Water cooled	
Bore	102mm	
Stroke	120mm	
Displacement	3.9 L	
Compression Ratio	16.5:1	
Lubrication Capacity	9.5 liter	
Coolant Capacity	7.2liter	

FUEL CONSUMPTION	1500 RPM	1800RPM
	L/hr	L/hr
Standby Power(2)	7.5	7.8
Prime Power(1)	6.7	7.0
75% Prime Power(1)	5.2	5.5
50% Prime Power(1)	4.0	4.5

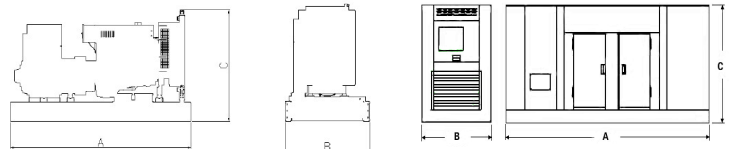
DIMENSION	OPEN	SILENT
Length (A)	1750mm	2270mm
Width (B)	950mm	1080mm
Height (C)	1500mm	1880mm
Net Weight	850KG	1300KG

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 ≤1500m, Ambient temperature ≤ 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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