



PROTELEC

GRUPOS ELECTRÓGENOS

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

DIESEL GENERATOR SET GD100500 SPECIFICATION

MODEL	Power rating	Voltage available		
		PRIME(1)	STANDBY(2)	
GD10050	400V/50Hz PF:0.8	400KW 500KVA	440KW 550KVA	380/220v 400/230v

GENERAL INFORMATION

DIESEL GENERATOR SET

Model	GD100500
Motor	Cummins KTA19G3A
Alternator	STAMFORD OR LEROY SOMER
Speed Control type	Electronically
Phase	Three
Fuel Tank Capacity	700L (Open Type) 700L (SILENT TYPE)
System Voltage	24V
Frequency	50HZ
Air intake flow	716L/sec
Exhaust air flow	1604L/sec
Exhaust Temperature	557°C

ENGINE

Maximum output(kw)	504KW(50HZ)
Number of Cylinders	6
Aspiration	Turbocharged & After Cooled
Cycle	4
Fuel Type	Diesel
Combustion Type	Direct Injection
Cooling Type	Water cooled
Bore	159mm
Stroke	159mm
Displacement	19 L
Compression Ratio	13.9:1
Lubrication Capacity	38liter
Coolant Capacity	30liter

FUEL CONSUMPTION 1500 RPM	
	L/hr
Standby Power(2)	121
Prime Power(1)	107
75% Prime Power(1)	82
50% Prime Power(1)	57

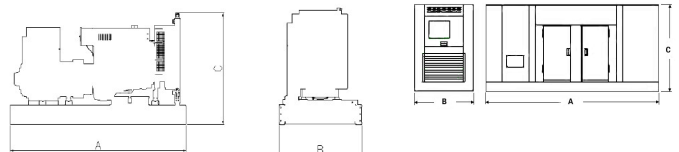
Alternator

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

DIMENSION	OPEN	SILENT
Length (A)	3370mm	470mm
Width (B)	1530mm	1355mm
Height (C)	2100mm	2260mm
Net Weight	3970KG	5200KG

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

PROTELEC S.A

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