



# PROTELEC

## GRUPOS ELECTRÓGENOS

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

### DIESEL GENERATOR SET GD100180 SPECIFICATION

MODEL		Power rating		Voltage available	
		PRIME(1)	STANDBY(2)		
GD100180	400V/50Hz PF:0.8	144KW 180KVA	160KW 200KVA	380/220v	400/230v

#### DIESEL GENERATOR SET

Model	GD100180	
Motor	Cummins 6CTA8.3G2	
Alternator	STAMFORD OR LEROY SOMER	
Speed Control type	Electronically	
Phase	Three	
Fuel Tank Capacity	380LT / 100Galones	
System Voltage	24V	
Frequency	50HZ	60HZ
Engine coolant flow	3.3L/sec	4L/sec
Air intake flow	206L/sec	237L/sec
Exhaust air flow	578L/sec	654L/sec
Exhaust Temperature	550°C	563°C

#### ENGINE

Maximum output(kw)	180KW(50Hz)	187KW(60HZ)
Number of Cylinders	6	
Aspiration	Turbocharged & Aftercooled	
Cycle	4	
Fuel Type	Diesel	
Combustion Type	Direct Injection	
Cooling Type	Water cooled	
Bore	114mm	
Stroke	135mm	
Displacement	8.3 L	
Compression Ratio	17.3:1	
Lubrication Capacity	27.6 liter	
Coolant Capacity	12.3liter	

FUEL CONSUMPTION	1500 RPM	1800RPM
	L/hr	L/hr
Standby Power(2)	48	49
Prime Power(1)	42	44
75% Prime Power(1)	31	33
50% Prime Power(1)	21	23

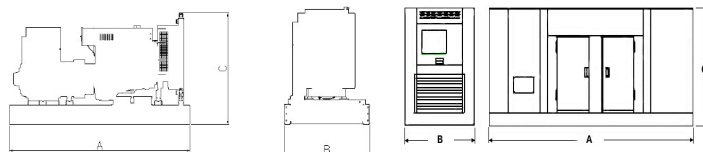
DIMENSION	OPEN	SILENT
Length (A)	2450mm	3510mm
Width (B)	950mm	1100mm
Height (C)	1690mm	2050mm
Net Weight	1710KG	2010KG

#### 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

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