



# PROTELEC

## GRUPOS ELECTRÓGENOS

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

### DIESEL GENERATOR GD100300 SPECIFICATION

MODEL		Power rating		Voltage available	
		PRIME(1)	STANDBY(2)		
GD100300	400V/50Hz	280KW	310KW	380/220v	400/230v
	PF:0.8	350KVA	388KVA		

### GENERAL INFORMATION

#### DIESEL GENERATOR SET

Model	GD100300
Motor	Cummins NTA855G2A
Alternator	STAMFORD OR LEROY SOMER
Speed Control type	Electronically
Phase	Three
Fuel Tank Capacity	500L (Silent Type)
System Voltage	24V
Frequency	50HZ
Engine coolant flow	5L/min
Air intake flow	401L/min
Exhaust air flow	1095L/min
Exhaust Temperature	558°C

#### ENGINE

Maximum output(kw)	343KW(50HZ)
Number of Cylinders	6
Aspiration	Turbocharged & Charge Air Cooled
Cycle	4
Fuel Type	Diesel
Combustion Type	Direct Injection
Cooling Type	Water cooled
Bore	140mm
Stroke	152mm
Displacement	14L
Compression Ratio	14.0:1
Lubrication Capacity	36liter
Coolant Capacity	20.8liter

FUEL CONSUMPTION	1500 RPM
	L/hr
Standby Power(2)	79.5
Prime Power(1)	71.9
75% Prime Power(1)	54.9
50% Prime Power(1)	38.9

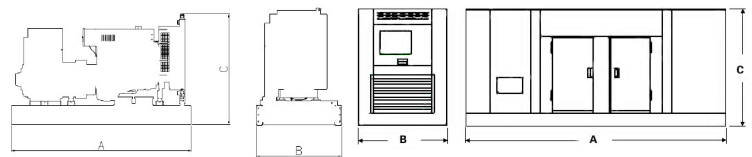
DIMENSION	OPEN	SILENT
Length (A)	2890mm	4480mm
Width (B)	1100mm	1130mm
Height (C)	1650mm	2270mm
Net Weight	3380KG	4060KG

#### 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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