

PROTELEC

GRUPOS ELECTRÓGENOS

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

DIESEL GENERATOR SET GD100160 SPECIFICATION

MODEL	Power rating	Voltage available		
		PRIME(1)	STANDBY(2)	
GD100160	400V/50Hz PF:0.8	128KW 160KVA	140KW 175KVA	380/220v 400/230v

GENERAL INFORMATION

DIESEL GENERATOR SET

Model	GD100160	
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

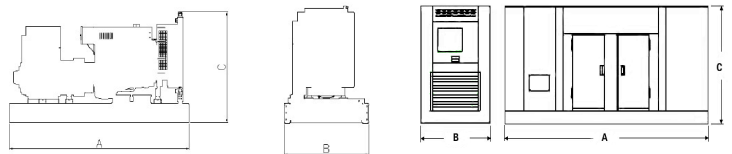
DIMENSION	OPEN	SILENT
Length (A)	2300mm	3500mm
Width (B)	950mm	1100mm
Height (C)	1690mm	2070mm
Net Weight	1710KG	2010KG

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

MAS QUE ENERGÍA, UN COMPROMISO DE CALIDAD

PROTELEC S.A
El Roble 1009, Recoleta, Santiago, Chile
Tel: 56 229633000
Tel: 56 229633007
Email: generadores@protelec.cl
Web: www.protelec.cl