

# PROTELEC

## GRUPOS ELECTRÓGENOS

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

### DIESEL GENERATOR SET LG44C5-1 / GD100040 SPECIFICATION

MODEL		Power rating		Voltage available	
		PRIME(1)	STANDBY(2)		
GD100040	400V/50Hz PF:0.8	32KW 40KVA	35KW 44KVA	380/220v	400/230v

#### GENERAL INFORMATION

##### DIESEL GENERATOR SET

Model	GD100040	
Motor	Cummins 4BT3.9G1	
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	45L/sec	50L/sec
Exhaust air flow	108L/sec	120L/sec
Exhaust Temperature	487°C	487°C

#### ENGINE

Maximum output(kw)	40KW(50Hz)	45KW(60HZ)
Number of Cylinders	4	
Aspiration	Turbocharged	
Cycle	4	
Fuel Type	Diesel	
Combustion Type	Direct Injection	
Cooling Type	Water cooled	
Bore	102mm	
Stroke	120mm	
Displacement	3.9 L	
Compression Ratio	17.3:1	
Lubrication Capacity	9.5 liter	
Coolant Capacity	7.2 liter	

FUEL CONSUMPTION	1500 RPM	1800RPM
	L/hr	L/hr
Standby Power(2)	11.1	12.5
Prime Power(1)	10.0	11.5
75% Prime Power(1)	7.9	9.4
50% Prime Power(1)	5.9	7.4

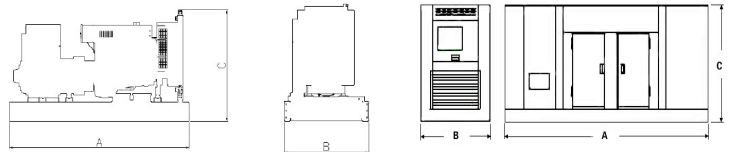
DIMENSION	OPEN	SILENT
Length (A)	1725mm	2260mm
Width (B)	950mm	1070mm
Height (C)	1500mm	1780mm
Net Weight	1100KG	12100KG

#### 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

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