



PROTELEC

GRUPOS ELECTRÓGENOS

- Grupos Electrógenos
- Servicio Técnico Multima
- Arriendos
- Automatización y Sincror

DIESEL GENERATOR SET GD100100 SPECIFICATION

| MODEL | Power rating | | Voltage available | |
|------------------------------|---------------|-----------------|-------------------|----------|
| | PRIME(1) | STANDBY(2) | 380/220v | 400/230v |
| GD100100 400V/50Hz PF:0.8 | 80KW 88KVA | 100KW 110KVA | | |

GENERAL INFORMATION

DIESEL GENERATOR SET

| | | |
|---------------------|-------------------------------------|----------|
| Model | GD100100 | |
| Motor | Cummins 6BT5.9G2 | |
| Alternator | STAMFORD OR LEROY SOMER | |
| Speed Control type | Electronically | |
| Phase | Three | |
| Fuel Tank Capacity | 260L (Open Type) 280L (SILENT TYPE) | |
| System Voltage | 24V | |
| Frequency | 50HZ | 60HZ |
| Engine coolant flow | 2.0L/sec | 2.4L/sec |
| Air intake flow | 110L/sec | 137L/sec |
| Exhaust air flow | 395L/sec | 305L/sec |
| Exhaust Temperature | 580°C | 540°C |

ENGINE

| | | |
|----------------------|------------------|-------------|
| Maximum output(kw) | 106KW(50Hz) | 127KW(60HZ) |
| Number of Cylinders | 6 | |
| Aspiration | Turbocharged | |
| Cycle | 4 | |
| Fuel Type | Diesel | |
| Combustion Type | Direct Injection | |
| Cooling Type | Water cooled | |
| Bore | 102mm | |
| Stroke | 120mm | |
| Displacement | 5.9 L | |
| Compression Ratio | 17.3:1 | |
| Lubrication Capacity | 14.2 liter | |
| Coolant Capacity | 7.9 liter | |

| FUEL CONSUMPTION | 1500 RPM | 1800RPM |
|--------------------|----------|---------|
| | L/hr | L/hr |
| Standby Power(2) | 26.9 | 33.6 |
| Prime Power(1) | 24.2 | 29.7 |
| 75% Prime Power(1) | 18.2 | 22.2 |
| 50% Prime Power(1) | 12.5 | 15.6 |

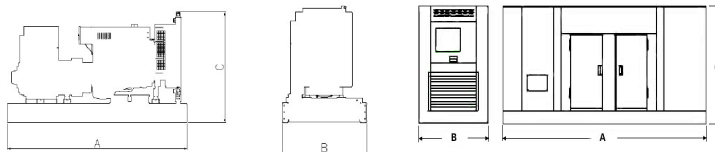
Alternator

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

| DIMENSION | OPEN | SILENT |
|------------|--------|--------|
| Length (A) | 2140mm | 2920mm |
| Width (B) | 950mm | 1100mm |
| Height (C) | 1530mm | 1920mm |
| Net Weight | 1250KG | 1800KG |

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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