



DIESEL GENERATOR SET LG143C SPECIFICATION

| Model | Power Rating | | Voltage Available | | | | |
|--------|--------------|------------|-------------------|----------|----------|----------|----------|
| | PRIME(1) | STANDBY(2) | | | | | |
| LG143C | 220V/60Hz | 104KW | 114KW | 208/120v | 220/127v | 240/139v | |
| | PF:0.8 | 130KVA | 143KVA | 380/220v | 440/254v | 480/277v | 600/347v |

GENERAL INFORMATION

DIESEL GENERATOR SET

| | |
|---------------------|-------------------|
| Model | LG143C |
| Motor | Cummins 6BTA5.9G2 |
| Alternator | Stamford UCI274D |
| Speed Control Type | Electronical |
| Phase | Three |
| Fuel Tank Capacity | |
| System Voltage | 24V |
| Frequency | 60HZ |
| Engine Coolant Flow | 0.144m³/m |
| Air Intake Flow | 8.52m³/m |
| Exhaust Air Flow | 24.36m³/m |
| Exhaust Temperature | 580°C |

ENGINE

| | |
|----------------------|----------------------------|
| Maximum Output(kw) | 127KW |
| Number of Cylinders | 6 |
| Aspiration | Turbocharged & Aftercooled |
| 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 | 10liter |

| | |
|--------------------|---------|
| Fuel consumption | 1800rpm |
| | L/hr |
| Standby Power(2) | 34 |
| Prime Power(1) | 31 |
| 75% Prime Power(1) | 23 |
| 50% Prime Power(1) | 16 |

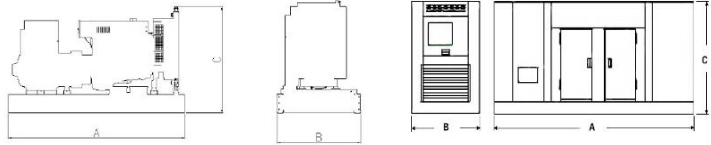
Alternator

| | |
|------------------|------------------------------------|
| Insulation | Class "H" |
| Excitation Type | Self-excitation (PMG for optional) |
| Protection Class | IP23 |

| Dimension | Open | Silent |
|------------|--------|--------|
| Length (A) | 2160mm | 3200mm |
| Width (B) | 980mm | 1080mm |
| Height (C) | 1550mm | 2000mm |
| Net Weight | 1450KG | 1870KG |

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 CSA |



(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%.

Certification ISO 9001:2000

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