

## DIESEL GENERATOR SET LG125P6

### SPECIFICATION

| MODEL   | Power rating | Voltage available              |                                  |          |          |                   |
|---------|--------------|--------------------------------|----------------------------------|----------|----------|-------------------|
|         |              | PRIME <input type="checkbox"/> | STANDBY <input type="checkbox"/> |          |          |                   |
| LG125P6 | 220V/60Hz    | 90KW                           | 100KW                            | 208/120v | 220/127v | 240/139v          |
|         | PF:0.8       | 113KVA                         | 125KVA                           | 380/220v | 440/254v | 480/277v 600/347v |

### GENERAL INFORMATION

#### DIESEL GENERATOR SET

|                     |                              |
|---------------------|------------------------------|
| Model               | LG125P6                      |
| Motor               | Perkins 1104D-E44TAG2        |
| Alternator          | Stamford UCI274C             |
| Speed Control Type  | Electronic                   |
| Phase               | Three                        |
| Fuel Tank Capacity  |                              |
| System Voltage      | 12V                          |
| Frequency           | 60HZ                         |
| Engine Coolant Flow | 169L/min                     |
| Combustion Air Flow | 8.5m <sup>3</sup> /min       |
| Exhaust Air Flow    | 20m <sup>3</sup> /min        |
| Exhaust Temperature | 506 <input type="checkbox"/> |

#### ENGINE

|                      |                    |
|----------------------|--------------------|
| Maximum Output(kw)   | 117KW              |
| Number Of Cylinders  | 4                  |
| Aspiration           | Turbocharged       |
| Cycle                | 4                  |
| Fuel Type            | Diesel             |
| Combustion Type      | Indirect Injection |
| Cooling Type         | Water cooled       |
| Bore                 | 105mm              |
| Stroke               | 127mm              |
| Displacement         | 4.4 L              |
| Compression Ratio    | 16.2:1             |
| Lubrication Capacity | 8.0 liter          |
| Coolant Capacity     | 17 liter           |

| FUEL CONSUMPTION                         | 1800 RPM  |
|--|-----------|
| Standby Power <input type="checkbox"/>   | 30.0 L/hr |
| Prime Power <input type="checkbox"/>     | 27.8      |
| 75% Prime Power <input type="checkbox"/> | 22.0      |
| 50% Prime Power <input type="checkbox"/> | 16.1      |

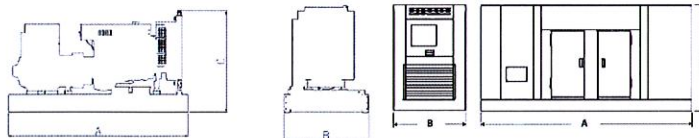
| DIMENSION  |  | OPEN   | SILENT |
|------------|--|--------|--------|
| Length (A) |  | 2220mm | 2670mm |
| Width (B)  |  | 750mm  | 1080mm |
| Height (C) |  | 1530mm | 1865mm |
| Net Weight |  | 1200kg | 1890kg |

#### Alternator

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

#### Certificates

|               |                            |
|---------------|----------------------------|
| Engine        | ISO 3046, BS 5514, DIN 627 |
| 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 maximum 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 300m will cause additional de-rating 4%.

#### Certification ISO 9001:2000

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**STANDBY GENERATOR SERVICES**