

Output Ratings

| | |
|----------------------|---------------------|
| Generating Set Model | L12.5 |
| 380 – 415V, 50 Hz | 12.5 kVA 10.0 kW |
| 220/127V, 60 Hz | 15.0 kVA 12.0 kW |

Ratings at 0.8 pf



Ratings Definition

These ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation to the annual hours of operation.

Technical Data

| | | |
|--|-------------------------|-------------|
| Engine Model: | LPW3 | |
| Alternator Model: | LA1014H | |
| Number of Cylinders: | 3 in line | |
| Cubic Capacity: Litres (cu.in) | 1.4 (85.4) | |
| Bore/Stroke: mm (in) | 86.0 (3.4) / 80.0 (3.2) | |
| Compression ratio: | 18.5:1 | |
| Aspiration: | Natural | |
| Frequency: | 50 Hz | 60 Hz |
| Engine Speed: | 1500 RPM | 1800 RPM |
| Gross Engine Power: kW (hp) | 12.4 (16.6) | 15.3 (20.5) |
| BMEP: kPA (psi) | 710 (103) | 728 (106) |
| Piston Speed: m/sec (ft/sec) | 4.0 (13.1) | 4.8 (15.8) |
| Fuel Tank Capacity: Litres (US Gal) | 44.0 (11.6) | 44.0 (11.6) |
| Fuel Consump, L12.5: 1/hr (USg/hr) | 3.4 (0.90) | 3.8 (1.00) |
| Heat Rejection to Exhaust System: kW (Btu/min) | 8.0 (455) | 9.6 (546) |
| Heat Rejection to Cooling System: kW (Btu/min) | 9.2 (523) | 10.8 (614) |
| Total Radiated Heat: kW (Btu/min) | 5.3 (301) | 7.8 (444) |
| Exhaust Temperature: °C (°F) | 462 (864) | 495 (923) |
| Radiator Cooling | | |
| Air Flow: m ³ /min (cfm) | 57.6 (2034) | 70.2 (2479) |
| Combustion Air Flow: m ³ /min (cfm) | 0.98 (34.6) | 1.21 (42.7) |
| Exhaust Gas Flow: m ³ /min (cfm) | 2.7 (96.2) | 3.3 (116) |



Note: Standard reference conditions 25°C (77°F) Air Inlet Temp, 152.4m (500ft) A.S.L. 60% relative humidity. All engine performance data based on the above mentioned maximum continuous ratings. Fuel consumption data at full load with diesel fuel with specific gravity of 0.85 and conforming to BS2869: 1998, Class A2.

Dimensions and Weights

| Length: mm (in) | Width: mm (in) | Height: mm (in) | Dry: kg (lb) | Wet: kg (lb) |
|-----------------|----------------|-----------------|--------------|--------------|
| 1193 (47.0) | 576 (22.7) | 1198 (47.2) | 386 (851) | 393 (867) |

Dry = With Lube Oil Wet = With Lube Oil and Coolant

Generating set pictured may include optional accessories

L12.5



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