

| Output Ratings | | |
|----------------------|---------------------|---------------------|
| Generating Set Model | UHG30E1 | |
| | LPG | Nat Gas |
| | Standby | Standby |
| 380 – 415V, 50 Hz | 30.0 kVA 24.0 kW | 30.0 kVA 24.0 kW |
| 480V, 60 Hz | 31.3 kVA 25.0 kW | 31.3 kVA 25.0 kW |

Ratings at 0.8 pf

Ratings Definitions

Standby Power – Model UHG30E1

These ratings are applicable for supplying continuous electrical power (at variable load) in event of a utility power failure. No overload is permitted on these ratings. The alternator on this model is peak continuous rated (as defined in ISO 8528-3).

Technical Data

| | | |
|--|-------------------------|--------------|
| Engine Model: | HM 1.8L | |
| Alternator Model: | LUA1012NX | |
| Number of Cylinders: | 4 in line | |
| Cubic Capacity: Litres (cu.in) | 1.8 (111.1) | |
| Bore/Stroke: mm (in) | 84.0 (3.3) / 82.0 (3.2) | |
| Compression ratio: | 8.5:1 | |
| Aspiration: | Natural aspirated | |
| Frequency: | 50 Hz | 60 Hz |
| Engine Speed: | 3000 RPM | 3600 RPM |
| Gross Engine Power: kW (hp) | 33.0 (44) | 36.4 (49) |
| BMEP: kPA (psi) | 1453 (210.7) | 1335 (193.6) |
| Piston Speed: m/sec (ft/sec) | 4.1 (13.5) | 4.9 (16.1) |
| Fuel Consump, UHG30E1: LPG m ³ /hr (cfh) | 5.1 (180.1) | 5.7 (201.3) |
| Fuel Consump, UHG30E1: NG m ³ /hr (cfh) | 13.0 (459.1) | 14.8 (522.7) |
| Heat Rejection to Exhaust System: kW (Btu/min) | TBA | TBA |
| Heat Rejection to Cooling System: kW (Btu/min) | 28.4 (1616) | 30.8 (1750) |
| Total Radiated Heat: kW (Btu/min) | 15.0 (853) | 16.3 (927) |
| Exhaust Temperature: °C (°F) | 625 (1157) | 668 (1234) |
| Radiator Cooling Air Flow: m ³ /min (cfm) | 102 (3602) | 124 (4379) |
| Combustion Air Flow: m ³ /min (cfm) | 2.6 (92) | 3.2 (113) |
| Exhaust Gas Flow: m ³ /min (cfm) | 8.3 (293) | 10.4 (367) |

Note: Ratings in accordance with ISO 8528. All engine performance data based on the above mentioned maximum continuous ratings. Fuel Consumption data assumes complete combustion of LPG fuel with a calorific value of 95 MJ/m³ and of Natural gas with a calorific value of 37 MJ/m³.

Dimensions and Weights

| Length: mm (in) | Width: mm (in) | Height: mm (in) | Net (+lube oil & coolant): kg (lb) |
|-----------------|----------------|-----------------|------------------------------------|
| 1350 (53.1) | 715 (28.1) | 1004 (39.5) | 405 (893) |

Net = With Lube Oil and Coolant

Generating set pictured may include optional accessories



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UHG30E1



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