

### Output Ratings

Generating Set Model	LH30
380 – 415V, 50 Hz	30.0 kVA 24.0 kW
220/127V, 60 Hz	31.1 kVA 24.9 kW

Ratings at 0.8 pf



### Ratings Definition

Standby Power – LH30

These ratings are applicable for supplying continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings.

### Technical Data

Engine Model:	LPW4	
Alternator Model:	LA1012N	
Number of Cylinders:	4 in line	
Cubic Capacity: Litres (cu.in)	1.86 (114)	
Bore/Stroke: mm (in)	86.0 (3.39) / 80.0 (3.15)	
Compression ratio:	18.5:1	
Aspiration:	Natural	
Frequency:	50 Hz	60 Hz
Engine Speed:	3000 RPM	3600 RPM
Gross Engine Power: kW (hp)	29.5 (39.6)	30.8 (41.3)
BMEP: kPA (psi)	635 (92.1)	559 (81.1)
Piston Speed: m/sec (ft/sec)	8.0 (26.3)	9.6 (31.5)
Fuel Tank Capacity: Litres (US Gal)	44.0 (11.6)	44.0 (11.6)
Fuel Consump, LH30: 1/hr (USg/hr)	8.5 (2.3)	9.8 (2.6)
Heat Rejection to Exhaust System: kW (Btu/min)	22.5 (1280)	26.8 (1524)
Heat Rejection to Cooling System: kW (Btu/min)	25.4 (1445)	30.1 (1712)
Total Radiated Heat: kW (Btu/min)	13.0 (739)	16.5 (939)
Exhaust Temperature: °C (°F)	572 (1062)	638 (1180)
Radiator Cooling		
Air Flow: m <sup>3</sup> /min (cfm)	122 (4301)	146 (5155)
Combustion Air Flow: m <sup>3</sup> /min (cfm)	2.60 (91.8)	3.10 (109)
Exhaust Gas Flow: m <sup>3</sup> /min (cfm)	7.3 (257)	8.8 (309)

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)
1357 (53.4)	576 (22.7)	1198 (47.2)	428 (945)	436 (961)

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

Generating set pictured may include optional accessories



# LH30



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