

Output Ratings

Generating Set Model	LH40
380 – 415V, 50 Hz	40.0 kVA
	32.0 kW

Ratings at 0.8 pf



Ratings Definition

Standby Power – LH40

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:	LPWT4	
Alternator Model:	LA1012P	
Number of Cylinders:	4 in line	
Cubic Capacity: Litres (cu.in)	1.86 (114)	
Bore/Stroke: mm (in)	86.0 (3.4) / 80.0 (3.2)	
Compression ratio:	16.2:1	
Aspiration:	Turbocharged	
Frequency:	50 Hz	60 Hz
Engine Speed:	3000 RPM	3600 RPM
Gross Engine Power: kW (hp)	41.3 (55.4)	n/a
BMEP: kPA (psi)	880 (129)	n/a
Piston Speed: m/sec (ft/sec)	8.0 (26.3)	n/a
Fuel Tank Capacity: Litres (US Gal)	44.0 (11.6)	n/a
Fuel Consump, LH40: 1/hr (USg/hr)	11.0 (2.9)	n/a
Heat Rejection to Exhaust System: kW (Btu/min)	31.6 (1797)	n/a
Heat Rejection to Cooling System: kW (Btu/min)	35.5 (2019)	n/a
Total Radiated Heat: kW (Btu/min)	17.4 (990)	n/a
Exhaust Temperature: °C (°F)	528 (982)	n/a
Radiator Cooling Air Flow: m³/min (cfm)	140 (4936)	n/a
Combustion Air Flow: m³/min (cfm)	3.70 (131)	n/a
Exhaust Gas Flow: m³/min (cfm)	13.1 (462)	n/a



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)
1355 (53.3)	616 (24.3)	1198 (47.2)	458 (1010)	466 (1028)

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

Generating set pictured may include optional accessories

LH40



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