

### Output Ratings

Generating Set Model	L16P1S	L17.5E1S
220 – 240V, 50 Hz	16 kVA	17.5 kVA
	16 kW	17.5 kW

Ratings at Unity pf



### Ratings Definitions

Prime Power – Model L16P1S

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 and this model can supply 10% overload power for 1 hour in 12 hours.

Standby Power – Model L17.5E1S

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 ISO8528-3).



### Technical Data

Engine Model:	4X90
Alternator Model:	LLB1014N
Number of Cylinders:	4
Cubic Capacity: Litres (cu.in)	2.29 (140)
Bore/Stroke: mm (in)	90 (3.54) / 90 (3.54)
Compression ratio:	18:1
Aspiration:	Natural
Frequency:	50 Hz
Engine Speed:	1500 RPM
Gross Engine Power: kW (hp)	21.1 (28.4)
BMEP: kPA (psi)	747 (108)
Piston Speed: m/sec (ft/sec)	4.5 (14.8)
Fuel Tank Capacity: Litres (US Gal)	45.0 (11.9)
Fuel Consump, L16P1S: 1/hr (USg/hr)	5.0 (1.32)
Fuel Consump, L17.5E1S:1/hr (USg/hr)	5.6 (1.48)
Heat Rejection to Exhaust System: kW (Btu/min)	14.1 (804)
Heat Rejection to Cooling System: kW (Btu/min)	15.9 (904)
Total Radiated Heat: kW (Btu/min)	5.30 (301)
Exhaust Temperature: °C (°F)	450 (842)
Radiator Cooling	
Air Flow: m <sup>3</sup> /min (cfm)	48.6 (1716)
Combustion Air Flow: m <sup>3</sup> /min (cfm)	1.53 (54.0)
Exhaust Gas Flow: m <sup>3</sup> /min (cfm)	4.1 (144)

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)
1450 (57.1)	860 (33.9)	1210 (47.6)	519 (1142)	526 (1157)

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

Generating set pictured may include optional accessories

## L16P1S - L17.5E1S



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