

Output Ratings	
Generating Set Model	L20
380 – 415V, 50 Hz	20.0 kVA 16.0 kW
220/127V, 60 Hz	25.0 kVA 20.0 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 and this model can supply 10% overload power for 1 hour in 12 hours.

Technical Data

Engine Model:	LPWT4	
Alternator Model:	LL1014N	
Number of Cylinders:	4 in line	
Cubic Capacity: Litres (cu.in)	1.9 (114)	
Bore/Stroke: mm (in)	8.6 (3.4) / 80.0 (3.2)	
Compression ratio:	16.2:1	
Aspiration:	Turbocharged	
Frequency:	50 Hz	60 Hz
Engine Speed:	1500 RPM	1800 RPM
Gross Engine Power: kW (hp)	21.1 (28.3)	26.2 (35.1)
BMEP: kPA (psi)	908 (132)	937 (136)
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, L20: 1/hr (USg/hr)	4.8 (1.3)	5.9 (1.6)
Heat Rejection to Exhaust System: kW (Btu/min)	14.6 (830)	17.5 (995)
Heat Rejection to Cooling System: kW (Btu/min)	16.4 (933)	19.7 (1121)
Total Radiated Heat: kW (Btu/min)	8.5 (483)	9.7 (552)
Exhaust Temperature: °C (°F)	418 (784)	418 (784)
Radiator Cooling Air Flow: m ³ /min (cfm)	54.6 (1928)	62.4 (2203)
Combustion Air Flow: m ³ /min (cfm)	1.8 (62.9)	2.3 (81.2)
Exhaust Gas Flow: m ³ /min (cfm)	5.2 (184)	7.0 (247)



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)	605 (23.8)	1198 (47.2)	453 (999)	461 (1017)

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

Generating set pictured may include optional accessories

L20



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