

Output Ratings		
Generating Set Model	P1250	P1375E
380 – 415V, 50 Hz	1250 kVA 1000 kW	1375 kVA 1100 kW

Ratings at 0.8 pf

Ratings Definitions

Prime Power – Model P1250

These ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. This model can supply 10% overload power for 1 hour in 12 hours.

Standby Power – Model P1375E

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:	Perkins 4012TWG2
Alternator Model:	LL8124L
Number of Cylinders:	12V
Cubic Capacity: Litres (cu.in)	45.8 (2797)
Bore/Stroke: mm (in)	160.0 (6.30)/190.0 (7.5)
Compression ratio:	13.6:1
Aspiration:	Turbocharged
Frequency:	50 Hz
Engine Speed:	1500 RPM
Gross Engine Power: kW (hp)	1207 (1619)
BMEP: kPA (psi)	2110 (306)
Piston Speed: m/sec (ft/sec)	9.50 (31.2)
Fuel Consump, P1250: 1/hr (USg/hr)	264 (70)
Fuel Consump, P1375E: 1/hr (USg/hr)	292 (77)
Heat Rejection to Exhaust System: kW (Btu/min)	1013 (57619)
Heat Rejection to Cooling System: kW (Btu/min)	365 (20761)
Total Radiated Heat: kW (Btu/min)	150 (8532)
Exhaust Temperature: °C (°F)	460 (860)
Radiator Cooling Air Flow: m ³ /min (cfm)	1380 (48728)
Combustion Air Flow: m ³ /min (cfm)	97.0 (3425)
Exhaust Gas Flow: m ³ /min (cfm)	245 (8637)

Note: Standard reference conditions 27°C (80°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)
4939 (194)	2040 (80.3)	2307 (90.8)	9336 (20586)	9500 (20948)

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

Generating set pictured may include optional accessories



P1250 – P1375E



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