

Output Ratings

Generating Set Model	P250H2	P275HE2
380 – 415V, 50 Hz	250.0 kVA 200.0 kW	275.0 kVA 220.0 kW
220/127V, 60 Hz	-	-

Ratings at 0.8 pf

Ratings Definitions

Prime Power – Model P250H2

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 P275HE2

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. The alternator model is peak continuous rated (as defined in ISO 8528-3).

Technical Data

Engine Model:	Perkins 1306C-E87TAG6	
Alternator Model:	LL5014J	
No. of Cylinders/Alignment:	6 / In Line	
Displacement: Litres (cu.in)	8.7 (530.9)	
Bore/Stroke: mm (in)	116.6 (4.6)/135.9 (5.4)	
Compression ratio:	16.9:1	
Induction:	Turbocharged Air To Air Charge Cooled	
Frequency:	50 Hz	60 Hz
Engine Speed:	1500 RPM	-
Gross Engine Power: kW (hp)	250.9 (336.0)	-
BMEP: kPA (psi)	2306.0 (334.4)	-
Piston Speed: m/sec (ft/sec)	6.8 (22.3)	-
Fuel Tank Capacity: Litres (US Gal)	350 (92.5)	-
Fuel Consump, P250H2: 1/hr (USg/hr)	58.9 (15.6)	-
Fuel Consump, P275HE2: 1/hr (USg/hr)	63.3 (16.7)	-
Heat Rejected to Exhaust System: kW (Btu/min)	142.0 (8075)	-
Heat Rejected to Water & Lube Oil: kW (Btu/min)	110.0 (6256)	-
Heat Radiated to Room: kW (Btu/min)	44.0 (2502)	-
Exhaust Temperature: °C (°F)	528 (982)	-
Radiator Cooling Air Flow: m3/min (cfm)	424.2 (14980)	-
Combustion Air Flow: m3/min (cfm)	16.4 (579)	-
Exhaust Gas Flow: m3/min (cfm)	44.5 (1572)	-

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, ClassA2.

Dimensions and Weights

Length: mm(in)	Width: mm(in)	Height: mm(in)	Dry: kg (lb)	Wet: kg (lb)
2960 (116.5)	1003 (39.5)	1718 (67.6)	2215 (4883)	2252 (4965)

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

Generating set pictured may include optional accessories

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In line with our policy of continuous product development, we reserve the right to change specification without notice.

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P250H2 / P275HE2



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