

Output Ratings

Generating Set Model	P188HE
480V, 60 Hz	188 kVA 150.4 kW

Ratings at 0.8 pf



Ratings Definitions

Standby Power – Model P188HE

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 1306-E87TA300
Alternator Model:	LL3014H
Number of Cylinders:	6 in line
Cubic Capacity: Litres (cu.in)	8.70 (531)
Bore/Stroke: mm (in)	117 (4.60) / 136 (5.40)
Compression ratio:	16.9:1
Aspiration:	Turbocharged
Frequency:	60 Hz
Engine Speed:	1800 RPM
Gross Engine Power: kW (hp)	243 (325)
BMEP: kPa (psi)	1857 (269)
Piston Speed: m/sec (ft/sec)	8.20 (26.9)
Fuel Tank Capacity: Litres (US Gal)	350 (92.5)
Fuel Consump, P188HE: 1/hr (USg/hr)	42.4 (11.2)
Heat Rejection to Exhaust System: kW (Btu/min)	75.5 (4294)
Heat Rejection to Cooling System: kW (Btu/min)	62.6 (3560)
Total Radiated Heat: kW (Btu/min)	50.4 (2866)
Exhaust Temperature: °C (°F)	TBA
Radiator Cooling	
Air Flow: m ³ /min (cfm)	414 (14620)
Combustion Air Flow: m ³ /min (cfm)	18.6 (657)
Exhaust Gas Flow: m ³ /min (cfm)	51.3 (1811)

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)
2960 (117)	1003 (39.5)	1718 (68.0)	1940 (4277)	1977 (4359)
Dry = With Lube Oil		Wet = With Lube Oil and Coolant		

Generating set pictured may include optional accessories



P188HE



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