

Output Ratings		
Generating Set Model	P150P1	P165E1
380 – 415V, 50 Hz	150 kVA	165 kVA
	120 kW	132 kW

Ratings at 0.8 pf

Ratings Definitions

Prime Power – Model P150P1

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 P165E1

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 1006TAG2
Alternator Model:	LL3014H
Number of Cylinders:	6 in line
Cubic Capacity: Litres (cu.in)	5.99 (366)
Bore/Stroke: mm (in)	100.0 (3.9)/127.0 (5.0)
Compression ratio:	17.0:1
Aspiration:	Turbocharged
Frequency:	50 Hz
Engine Speed:	1500 RPM
Gross Engine Power: kW (hp)	150 (202)
BMEP: kPA (psi)	2015 (292)
Piston Speed: m/sec (ft/sec)	6.35 (20.8)
Fuel Tank Capacity: Litres (US Gal)	300 (79.3)
Fuel Consump, P150P1: 1/hr (USg/hr)	31.2 (8.2)
Fuel Consump, P165E1: 1/hr (USg/hr)	33.5 (8.8)
Heat Rejection to Exhaust System: kW (Btu/min)	140 (7979)
Heat Rejection to Cooling System: kW (Btu/min)	72.9 (4146)
Total Radiated Heat: kW (Btu/min)	42.9 (2440)
Exhaust Temperature: °C (°F)	540 (1004)
Radiator Cooling	
Air Flow: m ³ /min (cfm)	221 (7811)
Combustion Air Flow: m ³ /min (cfm)	10.6 (374)
Exhaust Gas Flow: m ³ /min (cfm)	29.9 (1056)

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)
2675 (105)	900 (35.4)	1564 (62.0)	1515 (3340)	1535 (3384)
Dry = With Lube Oil		Wet = With Lube Oil and Coolant		

Generating set pictured may include optional accessories



P150P1 – P165E1



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