

Output Ratings		
Generating Set Model	P550P1	P605E1
380 – 415V, 50 Hz	550 kVA 440 kW	605 kVA 484 kW

Ratings at 0.8 pf



#### Ratings Definitions

##### Prime Power – Model P550P1

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.

##### Standby Power – Model P605E1

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 2806C-E18TAG1
Alternator Model:	LL6114G
Number of Cylinders:	6 in-line
Cubic Capacity: Litres (cu.in)	18.1 (1106.4)
Bore/Stroke: mm (in)	145 (5.7) / 183 (7.2)
Compression ratio:	14.5:1
Aspiration:	Turbocharged
Frequency:	50 Hz
Engine Speed:	1500
Gross Engine Power: kW (hp)	561 (752)
BMEP: kPA (psi)	2475 (359)
Piston Speed: m/sec (ft/sec)	9.0 (29.5)
Fuel Tank Capacity: Litres (US Gal)	1350 (357)
Fuel Consump, P550P1: 1/hr (USg/hr)	106 (28.1)
Fuel Consump, P605E1: 1/hr (USg/hr)	118 (31.2)
Heat Rejection to Exhaust System: kW (Btu/min)	TBA
Heat Rejection to Cooling System: kW (Btu/min)	TBA
Total Radiated Heat: kW (Btu/min)	TBA
Exhaust Temperature: °C (°F)	525 (977)
Radiator Cooling	
Air Flow: m <sup>3</sup> /min (cfm)	660 (23308)
Combustion Air Flow: m <sup>3</sup> /min (cfm)	38.1 (1345)
Exhaust Gas Flow: m <sup>3</sup> /min (cfm)	92.0 (3249)

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)
4111 (162)	1536 (60.5)	2098 (83.0)	4664 (10284)	4734 (10438)

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

Generating set pictured may include optional accessories

## P550P1 – P605E1



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