

Output Ratings		
Generating Set Model	P550P5	P605E5
380 – 415V, 50 Hz	550.0 kVA 440.0 kW	605.0 kVA 484.0 kW
220/127V, 60 Hz	-	-

Ratings at 0.8 pf

Ratings Definitions

Prime Power – Model P550P5

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 P605E5

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 Make & Model:	Perkins 2806A-E18TAG1	
Alternator Model:	LL6114G	
No. of Cylinders/Alignment:	6 / In Line	
Displacement: Litres (cu.in)	18.1 (1104.5)	
Bore/Stroke: mm (in)	145.0 (5.7)/183.0 (7.2)	
Compression ratio:	14.5:1	
Induction:	Turbocharged Air To Air Charge Cooled	
Frequency:	50 Hz	60 Hz
Engine Speed:	1500 RPM	-
Gross Engine Power: kW (hp)	544.0 (730.0)	-
BMEP: kPA (psi)	2400.0 (348.1)	-
Piston Speed: m/sec (ft/sec)	9.0 (29.5)	-
Fuel Tank Capacity: Litres (US Gal)	1000 (264.2)	-
Fuel Consump, P550P5: 1/hr (USg/hr)	110.8 (29.3)	-
Fuel Consump, P605E5: 1/hr (USg/hr)	122.5 (32.4)	-
Heat Rejected to Exhaust System: kW (Btu/min)	393.8 (22395)	-
Heat Rejected to Water & Lube Oil: kW (Btu/min)	138.7 (7888)	-
Heat Radiated to Room: kW (Btu/min)	34.5 (1962)	-
Exhaust Gas Temperature: °C (°F)	550 (1022)	-
Radiator Cooling Air Flow: m ³ /min (cfm)		
Cooling system designed to operate in ambient conditions up to 50°C (122°F)*	660.0 (23308)	-
Combustion Air Flow: m ³ /min (cfm)	24.9 (879)	-
Exhaust Gas Flow: m ³ /min (cfm)	109.0 (3849)	-

* Contact your local Marapco dealer for power ratings at specific site conditions.

Dimensions and Weights

Length: mm(in)	Width: mm(in)	Height: mm(in)	Dry: kg (lb)	Wet: kg (lb)
4111 (161.9)	1536 (60.5)	2246 (88.4)	4655 (10263)	4725 (10417)
Dry = With Lube Oil		Wet = With Lube Oil and Coolant		

Marapco
GENERATORS



YOUR PARTNER IN POWER

P550P5 / P605E5

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Website:www.marapco.com

N. Ireland - UK

Made in UK

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



Jan-08