

Output Ratings		
Generating Set Model	P400P3	P450E3
380 – 415V, 50 Hz	400.0 kVA	450 kVA
	320 kW	360 kW
480V, 60 Hz	438.0 kVA	500.0 kVA
	350.4 kW	400.0 kW

Ratings at 0.8 pf

Ratings Definitions

Prime Power – Model P400P3

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 P450E3

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 2306A-E14TAG3	
Alternator Model:	LL6114D	
No. of Cylinders/Alignment:	6 / In Line	
Displacement: Litres (cu.in)	14.6 (890.9)	
Bore/Stroke: mm (in)	137.0 (5.4)/165.0 (6.5)	
Compression ratio:	15.9:1	
Induction:	Turbocharged Air To Air Charge Cooled	
Frequency:	50 Hz	60 Hz
Engine Speed:	1500 RPM	1800 RPM
Gross Engine Power: kW (hp)	396.0 (531.0)	447.0 (599.0)
BMEP: kPA (psi)	2170.0 (314.8)	2042.0 (296.2)
Piston Speed: m/sec (ft/sec)	8.3 (27.2)	9.9 (32.5)
Fuel Tank Capacity: Litres (US Gal)	791 (209.0)	791 (209.0)
Fuel Consump, P400P3 : 1/hr (USg/hr)	79.2 (20.9)	93.2 (24.6)
Fuel Consump, P450E3: 1/hr (USg/hr)	87.9 (23.2)	103.8 (27.4)
Heat Rejected to Exhaust System: kW (Btu/min)	297.0 (16890)	340 (19335)
Heat Rejected to Water & Lube Oil: kW (Btu/min)	150.0 (8530)	163.0 (9270)
Heat Radiated to Room: kW (Btu/min)	16.0 (910)	21.0 (1194)
Exhaust Temperature: °C (°F)	514 (957)	434 (814)
Radiator Cooling Air Flow: m3/min (cfm)	444.0 (15680)	600.0 (21189)
Cooling system designed to operate in ambient conditions up to 50° C (122° F)		
Combustion Air Flow: m3/min (cfm)	26.0 (918)	38.0 (1342)
Exhaust Gas Flow: m3/min (cfm)	69.3 (2447)	98.4 (3475)

* 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)
3601 (141.8)	1110 (43.7)	2070 (81.5)	3453 (7613)	3503 (7723)
Dry = With Lube Oil		Wet = With Lube Oil and Coolant		

Generating set pictured may include optional accessories



YOUR PARTNER IN POWER

P400P3 / P450E3

TEL./ FAX. : 0044 2893 355674

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.



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