

Output Ratings

Generating Set Model	P350P3	P400E3
380 – 415V, 50 Hz	350 kVA 280 kW	400 kVA 320 kW
480V, 60 Hz	400.0 kVA 320.0 kW	438.0 kVA 350.4 kW

Ratings at 0.8 pf

Ratings Definitions

Prime Power – Model P350P3

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 P400E3

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-E14TAG2	
Alternator Model:	LL6114B	
No. of Cylinders/Alignment:	6 / In Line	
Displacement: Litres (cu.in)	14.6 (890.9)	
Bore/Stroke: mm (in)	137 (5.4) / 165 (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)	353.0 (473.0)	393.0 (527.0)
BMEP: kPA (psi)	1935 (280.7)	1795.0 (260.4)
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, P350P3 : 1/hr (USg/hr)	69.4 (18.3)	84.9 (22.4)
Fuel Consump, P400E3: 1/hr (USg/hr)	81.2 (21.5)	91.3 (24.1)
Heat Rejected to Exhaust System: kW (Btu/min)	297.0 (16890)	304 (17288)
Heat Rejected to Water & Lube Oil: kW (Btu/min)	131.0 (7450)	146.0 (8303)
Heat Radiated to Room: kW (Btu/min)	15.0 (853)	19.0 (1081)
Exhaust Temperature: °C (°F)	494 (921)	389 (731)
Radiator Cooling Air Flow: m3/min (cfm)	444 (15680)	600.0 (21189)
<small>Cooling system designed to operate in ambient conditions up to 50° C (122° F)</small>		
Combustion Air Flow: m3/min (cfm)	24.0 (848)	36.0 (1271)
Exhaust Gas Flow: m3/min (cfm)	66.6 (2352)	95.7 (3380)

* 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)	3316 (7311)	3366 (7421)
Dry = With Lube Oil		Wet = With Lube Oil and Coolant		

Generating set pictured may include optional accessories

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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.



YOUR PARTNER IN POWER

P350P3 / P400E3



Jan-08