

## Output Ratings

Generating Set Model	P180P2	P200E2
380 – 415V, 50 Hz	180.0 kVA 144.0 kW	200.0 kVA 160.0 kW
480V, 60 Hz	200.0 kVA 160.0 kW	218.8 kVA 175.0 kW

Ratings at 0.8 pf

## Ratings Definitions

### Prime Power – Model P180P2

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 P200E2

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 on this model is peak continuous rated (as defined in ISO 8528-3).

## Technical Data

<b>Engine Model:</b>	Perkins 1106C-E66TAG4	
<b>Alternator Model:</b>	LL5014F	
<b>Number of Cylinders:</b>	6 / in line	
<b>Displacement:</b> Litres (cu.in)	6.6 (402.8)	
<b>Bore/Stroke:</b> mm (in)	105.0 (4.1)/127.0 (5.00)	
<b>Compression ratio:</b>	16.2:1	
<b>Induction:</b>	Turbocharged	
<b>Frequency:</b>	<b>50 Hz</b>	<b>60 Hz</b>
<b>Engine Speed:</b>	1500 RPM	1800 RPM
<b>Gross Engine Power:</b> kW (hp)	180.5 (242.0)	204.3 (274.0)
<b>BMEP:</b> kPA (psi)	2188.0 (317.4)	2064.0 (299.4)
<b>Piston Speed:</b> m/sec (ft/sec)	6.4 (21.0)	7.6 (24.9)
<b>Fuel Tank Capacity:</b> Litres (US Gal)	279 (73.7)	279 (73.7)
<b>Fuel Consump, P180P2:</b> 1/hr (USg/hr)	40.0 (10.6)	44.3 (11.7)
<b>Fuel Consump, P200E2:</b> 1/hr (USg/hr)	43.9 (11.6)	47.8 (12.6)
<b>Heat Rejection to Exhaust System:</b> kW (Btu/min)	151.0 (8587)	161 (9156)
<b>Heat Rejection to Water &amp; Lube Oil:</b> kW (Btu/min)	83.0 (4720)	91.0 (5175)
<b>Heat Radiated to Room:</b> kW (Btu/min)	15.0 (853)	17.0 (967)
<b>Exhaust Temperature:</b> °C (°F)	453 (847)	466 (871)
<b>Radiator Cooling</b>		
<b>Air Flow:</b> m3/min (cfm)	327.6 (11569)	403.2 (14239)
<b>Combustion Air Flow:</b> m3/min (cfm)	11.8 (417)	13.4 (473)
<b>Exhaust Gas Flow:</b> m3/min (cfm)	19.4 (685)	24.4 (862)

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, ClassA2.

## Dimensions and Weights

Length: mm(in)	Width: mm(in)	Height: mm(in)	Dry: kg (lb)	Wet: kg (lb)
2817 (110.9)	900 (35.4)	1637 (64.4)	1660 (3660)	1688 (3721)

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

Generating set pictured may include optional accessories



YOUR PARTNER IN POWER

# P180P2 / P200E2

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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.



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