

Output Ratings		
Generating Set Model	P350P1	P380E1
380 – 415V, 50 Hz	350 kVA	380 kVA
	280 kW	304 kW
480V, 60 Hz	400 kVA	419 kVA
	320 kW	335 kW

Ratings at 0.8 pf

Ratings Definitions

Prime Power – Model P350P1

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 P380E1

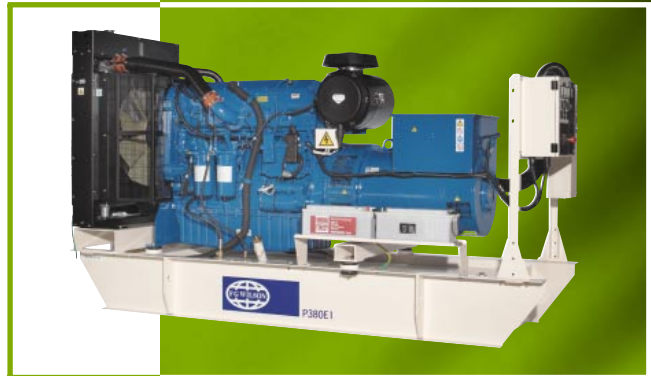
These ratings are applicable for supplying continuous electrical power (at variable load) in event of a utility power failure. No overload is permitted on these ratings. The alternator on this model is peak continuous rated (as defined in ISO8528-3).

Technical Data		
Engine Model:	Perkins 2306C-E14TAG2	
Alternator Model:	LL6014B	
Number of Cylinders:	6 in-line	
Cubic Capacity: Litres (cu.in)	14.6 (891)	
Bore/Stroke: mm (in)	137 (5.4) / 165 (6.5)	
Compression ratio:	15.9:1	
Aspiration:	Turbocharged, AA Charge Cooled	
Frequency:	50 Hz	60 Hz
Engine Speed:	1500 RPM	1800 RPM
Gross Engine Power: kW (hp)	353 (473)	393 (527)
BMEP: kPA (psi)	1930 (280)	1790 (260)
Piston Speed: m/sec (ft/sec)	8.28 (27.2)	9.91 (32.5)
Fuel Tank Capacity: Litres (US Gal)	782.3 (207)	782.3 (207)
Fuel Consump, P350P1: 1/hr (USg/hr)	75.2 (19.9)	81.5 (21.5)
Fuel Consump, P380E1: 1/hr (USg/hr)	81.8 (21.6)	88.7 (23.4)
Heat Rejection to Exhaust System: kW (Btu/min)	291 (16552)	304 (17292)
Heat Rejection to Cooling System: kW (Btu/min)	135 (7678)	146 (8304)
Total Radiated Heat: kW (Btu/min)	39 (2218)	42 (2389)
Exhaust Temperature: °C (°F)	461 (862)	430 (806)
Radiator Cooling Air Flow: m ³ /min (cfm)	438 (15465)	530 (18714)
Combustion Air Flow: m ³ /min (cfm)	32.2 (1137)	35.8 (1264)
Exhaust Gas Flow: m ³ /min (cfm)	79.1 (2793)	84.2 (2973)

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)
3601 (142)	1110 (43.7)	2065 (81.3)	3160 (6967)	3210 (7078)
Dry = With Lube Oil		Wet = With Lube Oil and Coolant		

Generating set pictured may include optional accessories



P350P1–P380E1



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