

## Output Ratings

Generating Set Model	P1700P1	P1875E1
380 - 415V, 50Hz	1700.0 kVA 1360.0 kW	1875.0 kVA 1500.0 kW

Ratings at 0.8 pf

## Ratings Definitions:

### Prime Power – Model P1700P1

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 P1875E1

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 Make & Model:	Perkins 4012-46TAG3A
Alternator Model:	LL9124H
No. of Cylinders/Alignment:	12 / Vee
Displacement: litres (cu.in)	45.8 (2794.9)
Bore/Stroke: mm (in)	160.0 (6.3)/190.0 (7.5)
Compression ratio:	13.0:1
Induction:	Turbocharged, AA Charge Cooled
Frequency:	50 Hz
Engine Speed:	1500 RPM
Gross Engine Power: kW (hp)	1643 (2203)
BMEP: kPA (psi)	2868 (415.9)
Piston Speed: m/sec (ft/sec)	9.5 (31.2)
Fuel Consump, P1700P1: 1/hr (USg/hr)	350.4 (92.6)
Fuel Consump, P1875E1: 1/hr (USg/hr)	391.0 (103.3)
Heat Rejection to Exhaust System: kW (Btu/min)	1219 (69323)
Heat Rejected to Water & Lube Oil: kW (Btu/min)	625 (35543)
Heat Radiation to Room: kW (Btu/min)	123.0 (6995)
Exhaust Gas Temperature: °C (°F)	480 (896)
Radiator Cooling Air Flow: m3/min (cfm)	1920.0 (67804)
Combustion Air Flow: m3/min (cfm)	135.0 (4767)
Exhaust Gas Flow: m3/min (cfm)	350.0 (12360)

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)
5215 (205.3)	2205 (86.8)	2490 (98)	10890 (24008)	11115 (24504)
Dry = With Lube Oil		Wet = With Lube Oil and Coolant		

Generating set pictured may include optional accessories

TEL./ FAX. : 0044 2893 355674

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



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P1700P1 / P1875E1



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