

### Output Ratings

Generating Set Model	P1700	P1875E
380 – 415V, 50 Hz	1700 kVA 1360 kW	1875 kVA 1500 kW

Ratings at 0.8 pf

### Ratings Definitions

#### Prime Power – Model P1700

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 P1875E

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 4016TWG2
Alternator Model:	LL9124H
Number of Cylinders:	16V
Cubic Capacity: Litres (cu.in)	61.1 (3730)
Bore/Stroke: mm (in)	160 (6.30) / 190 (7.50)
Compression ratio:	13.6:1
Aspiration:	Turbocharged
Frequency:	50 Hz
Engine Speed:	1500 RPM
Gross Engine Power: kW (hp)	1598 (2143)
BMEP: kPA (psi)	2092 (303)
Piston Speed: m/sec (ft/sec)	9.50 (31.2)
Fuel Consump, P1700: 1/hr (USg/hr)	354 (93.5)
Fuel Consump, P1875E: 1/hr (USg/hr)	392 (104)
Heat Rejection to Exhaust System: kW (Btu/min)	1274 (72451)
Heat Rejection to Cooling System: kW (Btu/min)	675 (38387)
Total Radiated Heat: kW (Btu/min)	213 (12113)
Exhaust Temperature: °C (°F)	495 (923)
Radiator Cooling	
Air Flow: m <sup>3</sup> /min (cfm)	2094 (73939)
Combustion Air Flow: m <sup>3</sup> /min (cfm)	126 (4450)
Exhaust Gas Flow: m <sup>3</sup> /min (cfm)	340 (12007)

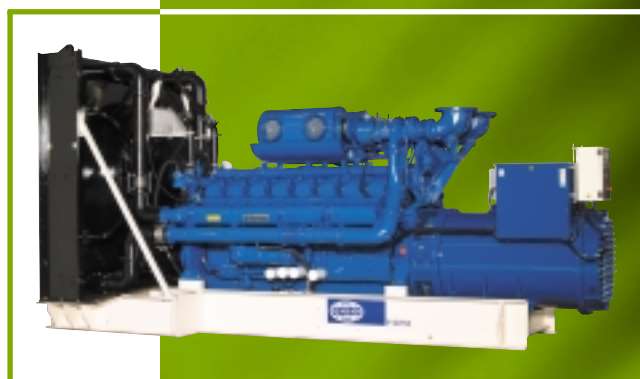
Note: Standard reference conditions 27 °C (80 °F) Air Inlet Temp, 152.4m (500ft) A.S.L. 60% relative humidity. All engine performance data based on the above mentioned maximum continuous ratings. Fuel consumption data at full load with diesel fuel with specific gravity of 0.85 and conforming to BS2869: 1998, Class A2.

### Dimensions and Weights

Length: mm (in)	Width: mm (in)	Height: mm (in)	Dry: kg (lb)	Wet: kg (lb)
5815 (229)	2070 (81.5)	2550 (100)	14470 (31901)	14700 (32408)

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

Generating set pictured may include optional accessories



# P1700 – P1875E



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