

Output Ratings

Generating Set Model	P1700P1	P1875E1
380-415V, 50Hz	1700.0 kVA 1360.0 kW	1875.0 kVA 1500.0 kW
220/127V, 60 Hz	-	-

Ratings at 0.8 power factor.

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 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

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 Air To Air Charge Cooled	
Frequency:	50 Hz	60 Hz
Engine Speed:	1500 RPM	-
Gross Engine Power: kW (hp)	1643.0 (2203.0)	-
BMEP: kPa (psi)	2868.0 (415.9)	-
Piston Speed: m/sec (ft/sec)	9.5 (31.2)	-
Fuel Tank Capacity: litres (US gal)	-	-
Fuel Consump, l/hr (USg/hr)	P1700P1	350.4 (92.6)
Fuel Consump, l/hr (USg/hr)	P1875E1	391.0 (103.3)
Heat Rejected to Exhaust System: kW (Btu/min)	1219.0 (69323)	-
Heat Rejected to Water & Lube Oil: kW (Btu/min)	625.0 (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)	-

* Contact your local FG Wilson 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)
5215 (205.3)	2205 (86.8)	2490 (98.0)	10890 (24008)	11115 (24504)

Dry = With Lube Oil Wet = With Lube Oil and coolant

Ratings in accordance with ISO 8528, ISO 3046, IEC 60034, BS5000 and NEMA MG-1/22.
Generating set pictured may include optional accessories.



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P1700P1 / P1875E1



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