

# PG1250B

## Gas Powered Generating Sets



### Output Ratings

<b>Generating Set Model</b>	<b>PG1250B</b>
	<b>Natural Gas</b>
	<b>Baseload</b>
<b>415 - 380V, 50 Hz</b>	1250 kVA
	1000 kW

Ratings at 0.8 pf

### Ratings Definitions

Baseload Model:

These ratings are applicable for supplying continuous electrical power for full load operations. There is no overload available. The ratings represent the engine performance in accordance with ISO 3046 at reference conditions equivalent to those specified in ISO 3046/1 based on the use of natural gas having a lower calorific value of 34.71MJ/m<sup>3</sup>.



### Technical Data

<b>Engine Model:</b>	Perkins 4016-E61TRS
<b>Alternator Model:</b>	LL8124P
<b>Number of Cylinders:</b>	16V
<b>Cubic Capacity:</b> litres (cu.in)	61.12 (3736)
<b>Bore/Stroke:</b> mm (in)	160 (6.3) / 190 (7.5)
<b>Compression ratio:</b>	12.0:1
<b>Aspiration:</b>	Turbocharged
<b>Frequency:</b>	50 Hz
<b>Engine Speed:</b>	1500 RPM
<b>Gross Engine Power:</b> kW (hp)	1042 (1397)
<b>BMEP:</b> kPa (psi)	1360 (199)
<b>Piston Speed:</b> m <sup>3</sup> /hr (ft <sup>3</sup> /hr)	9.5 (31,2)
<b>Fuel Consumption</b> m <sup>3</sup> /hr (cfh)	273 (9599)
<b>Heat Rejection to Exhaust System:</b> kW (Btu/min)	673 (38280)
<b>Heat Rejection to Cooling System:</b> kW (Btu/min)	548 (31170)
<b>Total Radiated Heat:</b> kW (Btu/min)	49 (2787)
<b>Exhaust Temperature:</b> °C (°F)	497 (927)
<b>Radiator Cooling</b>	
<b>Air Flow:</b> m <sup>3</sup> /min (cfm)	1260 (44490)
<b>Combustion Air Flow:</b> m <sup>3</sup> /min (cfm)	79.8 (2818)
<b>Exhaust Gas Flow:</b> m <sup>3</sup> /min (cfm)	212 (7486)

Note: Ratings in accordance with ISO 8528. Standard reference conditions 25°C (77°F) Air Inlet Temp, 100m (328ft) A.S.L. 30% relative humidity. All engine performance data based on the above mentioned maximum continuous ratings. Fuel consumption data at full load using gas fuel with a lower calorific value of 34.71MJ/m<sup>3</sup>.

Special FG Wilson warranty terms apply.

### Dimensions and Weights

<b>Length:</b> mm (in)	6767 (266)
<b>Width:</b> mm (in)	2100 (86.6)
<b>Height:</b> mm (in)	2750 (108)
<b>Weight +lube oil &amp; coolant</b> kg (lb)	13000 (28665)



**FG Wilson has manufacturing facilities in the following locations:**

**Northern Ireland • Brazil • China • India • USA**

With headquarters in Northern Ireland, FG Wilson operates through a Global Dealer Network. To contact your local Sales Office please visit the FG Wilson website at [www.FGWilson.com](http://www.FGWilson.com)