

# Standard Generator Technical Data

## BG/80/P

Length (mm)	2000
Width (mm)	1000
Height (mm)	1400
Weight (kg)	1400
Engine Model:	Perkins 1004TG2
Alternator Model:	Newage UCI224G
Number Of Cylinders:	4 In Line
Cubic Capacity: Litres	3.99
Bore /Stroke: Mm	100mm x 127mm
Compression Ratio:	16.0:1
Aspiration:	Turbocharged
Frequency:	50Hz
Engine Speed:	1500
Maximum Continuous Power At Flywheel: Kw	70.5
BMEP: Kpa	1413.3
Piston Speed: M/S	6.35
Fuel Tank Capacity: Litres	N/A
Fuel Consumption: Litres/Hr @ 100%	16.4
Heat Rejection To Exhaust System: Kw	53.7
Heat Rejection To Cooling System: Kw	43.7
Total Radiated Heat: Kw	14.2
Exhaust Temperature: °C	559
Cooling Air Flow: M_/Min	100
Combustion Air Flow: M_/Min	4.8
Exhaust Gas Flow: M_/Min	13.6

**Note:** standard reference conditions 25°C (77°F) Air inlet temperature, 152.4 (500ft) A.S.L. All engine performance data based on the above mentioned maximum continuous ratings. Fuel consumption data at full load with diesel fuel with a specific gravity of 0.85 and conforming to BS2869: 1988, Class A2.