

# Standard Generator Technical Data

## BG/500/P

Length (mm)	3700
Width (mm)	1500
Height (mm)	2200
Weight (kg)	4300
Engine Model:	Perkins 2806C-E16TAG2
Alternator Model:	Newage HCI5C
Number Of Cylinders:	6 In Line
Cubic Capacity: Litres	15.8
Bore /Stroke: Mm	140mm x 171mm
Compression Ratio:	15.9:1
Aspiration:	Turbocharged
Frequency:	50Hz
Engine Speed:	1500
Maximum Continuous Power At Flywheel: Kw	445
BMEP: Kpa	22.6
Piston Speed: M/S	8.55
Fuel Tank Capacity: Litres	N/A
Fuel Consumption: Litres/Hr @ 100%	116
Heat Rejection To Exhaust System: Kw	387.6
Heat Rejection To Cooling System: Kw	165.3
Total Radiated Heat: Kw	22.5
Exhaust Temperature: °C	457
Cooling Air Flow: M <sub>3</sub> /Min	540
Combustion Air Flow: M <sub>3</sub> /Min	38.1
Exhaust Gas Flow: M <sub>3</sub> /Min	83

**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.