

Standard Generator Technical Data

BG/40/P

Length (mm)	1800
Width (mm)	1000
Height (mm)	1300
Weight (kg)	1200
Engine Model:	Perkins 1004G
Alternator Model:	Newage UCI224C
Number Of Cylinders:	4 In Line
Cubic Capacity: Litres	3.99
Bore /Stroke: Mm	100mm x 127mm
Compression Ratio:	16.0:1
Aspiration:	Naturally aspirated
Frequency:	50Hz
Engine Speed:	1500
Maximum Continuous Power At Flywheel: Kw	41
BMEP: Kpa	822
Piston Speed: M/S	6.35
Fuel Tank Capacity: Litres	N/A
Fuel Consumption: Litres/Hr @ 100%	12.5
Heat Rejection To Exhaust System: Kw	33
Heat Rejection To Cooling System: Kw	32
Total Radiated Heat: Kw	4
Exhaust Temperature: °C	600
Cooling Air Flow: M_/Min	157
Combustion Air Flow: M_/Min	2.64
Exhaust Gas Flow: M_/Min	7.54

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.