

# Standard Generator Technical Data

## BG/300/P

Length (mm)	3400
Wdith (mm)	1400
Height (mm)	2100
Weight (kg)	4000
Engine Model:	Perkins 2306C-E14TAG1
Alternator Model:	Newage HCI4E
Number Of Cylinders:	6 In Line
Cubic Capacity: Litres	14.6
Bore /Stroke: Mm	137mm x 165mm
Compression Ratio:	15.9:1
Aspiration:	Turbocharged
Frequency:	50Hz
Engine Speed:	1500
Maximum Continuous Power At Flywheel: Kw	270
BMEP: Kpa	14.8
Piston Speed: M/S	8.28
Fuel Tank Capacity: Litres	N/A
Fuel Consumption: Litres/Hr @ 100%	75.2
Heat Rejection To Exhaust System: Kw	215
Heat Rejection To Cooling System: Kw	110
Total Radiated Heat: Kw	15
Exhaust Temperature: °C	451
Cooling Air Flow: M_/Min	438
Combustion Air Flow: M_/Min	24.7
Exhaust Gas Flow: M_/Min	59.8

**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.