

# 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.

# 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.

# Standard Generator Technical Data

## BG/100/P

Length (mm)	2300
Width (mm)	1000
Height (mm)	1600
Weight (kg)	1600
Engine Model:	Perkins 1006TG2A
Alternator Model:	Newage UCI274C
Number Of Cylinders:	6 In Line
Cubic Capacity: Litres	5.99
Bore /Stroke: Mm	100mm x 127mm
Compression Ratio:	16.0:1
Aspiration:	Turbocharged
Frequency:	50Hz
Engine Speed:	1500
Maximum Continuous Power At Flywheel: Kw	94.4
BMEP: Kpa	1263
Piston Speed: M/S	6.35
Fuel Tank Capacity: Litres	N/A
Fuel Consumption: Litres/Hr @ 100%	27.1
Heat Rejection To Exhaust System: Kw	66.5
Heat Rejection To Cooling System: Kw	63.0
Total Radiated Heat: Kw	30.0
Exhaust Temperature: °C	550
Cooling Air Flow: M_/Min	115
Combustion Air Flow: M_/Min	5.74
Exhaust Gas Flow: M_/Min	16.24

**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.

# Standard Generator Technical Data

## BG/200/P

Length (mm)	2700
Width (mm)	1200
Height (mm)	1800
Weight (kg)	2400
Engine Model:	Perkins 1306C- E87TAG3
Alternator Model:	Newage UCI274H
Number Of Cylinders:	6 In Line
Cubic Capacity: Litres	8.7
Bore /Stroke: Mm	116.6mm x 135.9mm
Compression Ratio:	16.9:1
Aspiration:	Air to air charged cooled, turbocharged
Frequency:	50Hz
Engine Speed:	1500
Maximum Continuous Power At Flywheel: Kw	169
BMEP: Kpa	1529
Piston Speed: M/S	6.8
Fuel Tank Capacity: Litres	N/A
Fuel Consumption: Litres/Hr @ 100%	49.1
Heat Rejection To Exhaust System: Kw	-
Heat Rejection To Cooling System: Kw	-
Total Radiated Heat: Kw	-
Exhaust Temperature: °C	-
Cooling Air Flow: M <sub>3</sub> /Min	375
Combustion Air Flow: M <sub>3</sub> /Min	-
Exhaust Gas Flow: M <sub>3</sub> /Min	-

**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.

# Standard Generator Technical Data

## BG/300/P

Length (mm)	3400
Width (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.

# Standard Generator Technical Data

## BG/400/P

Length (mm)	3500
Width (mm)	1500
Height (mm)	2100
Weight (kg)	4300
Engine Model:	Perkins 2306C-E14TAG3
Alternator Model:	Newage HCI5C
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	353
BMEP: Kpa	17.1
Piston Speed: M/S	8.28
Fuel Tank Capacity: Litres	N/A
Fuel Consumption: Litres/Hr @ 100%	96.5
Heat Rejection To Exhaust System: Kw	291
Heat Rejection To Cooling System: Kw	135
Total Radiated Heat: Kw	17
Exhaust Temperature: °C	462
Cooling Air Flow: M_/Min	438
Combustion Air Flow: M_/Min	32.4
Exhaust Gas Flow: M_/Min	79.7

**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.

# 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.

# Standard Generator Technical Data

## BG/600/P

Length (mm)	4000
Width (mm)	2000
Height (mm)	2500
Weight (kg)	6000
Engine Model:	Perkins 4006-23TAG1A
Alternator Model:	Newage HCI5E
Number Of Cylinders:	6 In Line
Cubic Capacity: Litres	22.921
Bore /Stroke: Mm	160mm x 190mm
Compression Ratio:	13.6:1
Aspiration:	Turbocharged
Frequency:	50Hz
Engine Speed:	1500
Maximum Continuous Power At Flywheel: Kw	581
BMEP: Kpa	2021
Piston Speed: M/S	9.5
Fuel Tank Capacity: Litres	N/A
Fuel Consumption: Litres/Hr @ 100%	-
Heat Rejection To Exhaust System: Kw	490
Heat Rejection To Cooling System: Kw	200
Total Radiated Heat: Kw	42
Exhaust Temperature: °C	410
Cooling Air Flow: M <sub>3</sub> /Min	20
Combustion Air Flow: M <sub>3</sub> /Min	60
Exhaust Gas Flow: M <sub>3</sub> /Min	171

**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.

# Standard Generator Technical Data

## BG/700/P

Length (mm)	4100
Wdith (mm)	2000
Height (mm)	2500
Weight (kg)	6100
Engine Model:	Perkins 4006-23TAG2A
Alternator Model:	Newage HCI6G
Number Of Cylinders:	6 In Line
Cubic Capacity: Litres	22.921
Bore /Stroke: Mm	160mm x 190mm
Compression Ratio:	13.6:1
Aspiration:	Turbocharged
Frequency:	50Hz
Engine Speed:	1500
Maximum Continuous Power At Flywheel: Kw	646
BMEP: Kpa	2247
Piston Speed: M/S	9.5
Fuel Tank Capacity: Litres	N/A
Fuel Consumption: Litres/Hr @ 100%	-
Heat Rejection To Exhaust System: Kw	540
Heat Rejection To Cooling System: Kw	191
Total Radiated Heat: Kw	48
Exhaust Temperature: °C	430
Cooling Air Flow: M_/Min	20
Combustion Air Flow: M_/Min	64
Exhaust Gas Flow: M_/Min	182

**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.

# Standard Generator Technical Data

## BG/800/P

Length (mm)	4100
Wdith (mm)	2000
Height (mm)	2500
Weight (kg)	6100
Engine Model:	Perkins 4006-23TAG3A
Alternator Model:	Newage HCI6G
Number Of Cylinders:	6 In Line
Cubic Capacity: Litres	22.921
Bore /Stroke: Mm	160mm x 190mm
Compression Ratio:	13.6:1
Aspiration:	Turbocharged
Frequency:	50Hz
Engine Speed:	1500
Maximum Continuous Power At Flywheel: Kw	705
BMEP: Kpa	2452
Piston Speed: M/S	9.5
Fuel Tank Capacity: Litres	N/A
Fuel Consumption: Litres/Hr @ 100%	-
Heat Rejection To Exhaust System: Kw	620
Heat Rejection To Cooling System: Kw	270
Total Radiated Heat: Kw	54
Exhaust Temperature: °C	500
Cooling Air Flow: M_/Min	20
Combustion Air Flow: M_/Min	69
Exhaust Gas Flow: M_/Min	193

**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.

# Standard Generator Technical Data

## BG/900/P

Length (mm)	5600
Width (mm)	2200
Height (mm)	2800
Weight (kg)	8500
Engine Model:	Perkins 4008TAG1A
Alternator Model:	Newage HCI6H
Number Of Cylinders:	8
Cubic Capacity: Litres	30.561
Bore /Stroke: Mm	160mm x 190mm
Compression Ratio:	13.6:1
Aspiration:	Turbocharged
Frequency:	50Hz
Engine Speed:	1500
Maximum Continuous Power At Flywheel: Kw	800
BMEP: Kpa	20.6
Piston Speed: M/S	9.5
Fuel Tank Capacity: Litres	N/A
Fuel Consumption: Litres/Hr @ 100%	217
Heat Rejection To Exhaust System: Kw	605
Heat Rejection To Cooling System: Kw	297
Total Radiated Heat: Kw	70
Exhaust Temperature: °C	422
Cooling Air Flow: M_/Min	1121
Combustion Air Flow: M_/Min	69
Exhaust Gas Flow: M_/Min	183

**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.

# Standard Generator Technical Data

## BG/1000/P

Length (mm)	5600
Wdith (mm)	2200
Height (mm)	2800
Weight (kg)	8700
Engine Model:	Perkins 4008 TAG2A
Alternator Model:	Newage HCI6J
Number Of Cylinders:	8 In Line
Cubic Capacity: Litres	30.561
Bore /Stroke: Mm	160mm x 190mm
Compression Ratio:	13.6:1
Aspiration:	Turbocharged
Frequency:	50Hz
Engine Speed:	1500
Maximum Continuous Power At Flywheel: Kw	899
BMEP: Kpa	23.2
Piston Speed: M/S	9.5
Fuel Tank Capacity: Litres	N/A
Fuel Consumption: Litres/Hr @ 100%	248
Heat Rejection To Exhaust System: Kw	698
Heat Rejection To Cooling System: Kw	332
Total Radiated Heat: Kw	80
Exhaust Temperature: °C	438
Cooling Air Flow: M_/Min	1200
Combustion Air Flow: M_/Min	75
Exhaust Gas Flow: M_/Min	200

**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.

# Standard Generator Technical Data

## BG/1500/P

Length (mm)	5700
Width (mm)	2600
Height (mm)	3300
Weight (kg)	11000
Engine Model:	Perkins 4012TAG2A
Alternator Model:	Newage HCI7F
Number Of Cylinders:	V12 60°
Cubic Capacity: Litres	45.842
Bore /Stroke: Mm	160mm x 190mm
Compression Ratio:	13.6:1
Aspiration:	Turbocharged
Frequency:	50Hz
Engine Speed:	1500
Maximum Continuous Power At Flywheel: Kw	1296
BMEP: Kpa	22.6
Piston Speed: M/S	9.5
Fuel Tank Capacity: Litres	N/A
Fuel Consumption: Litres/Hr @ 100%	345
Heat Rejection To Exhaust System: Kw	877
Heat Rejection To Cooling System: Kw	464
Total Radiated Heat: Kw	95
Exhaust Temperature: °C	472
Cooling Air Flow: M_/Min	1872
Combustion Air Flow: M_/Min	106
Exhaust Gas Flow: M_/Min	285

**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.

# Standard Generator Technical Data

## BG/2000/P

Length (mm)	6500
Width (mm)	3000
Height (mm)	3800
Weight (kg)	14500
Engine Model:	Perkins 4016TAG2A
Alternator Model:	Newage HCI7H
Number Of Cylinders:	V 16 60°
Cubic Capacity: Litres	61.123
Bore /Stroke: Mm	160mm x 190mm
Compression Ratio:	13.6:1
Aspiration:	Turbocharged
Frequency:	50Hz
Engine Speed:	1500
Maximum Continuous Power At Flywheel: Kw	1766
BMEP: Kpa	23.1
Piston Speed: M/S	9.5
Fuel Tank Capacity: Litres	N/A
Fuel Consumption: Litres/Hr @ 100%	483
Heat Rejection To Exhaust System: Kw	1245
Heat Rejection To Cooling System: Kw	660
Total Radiated Heat: Kw	130
Exhaust Temperature: °C	493
Cooling Air Flow: M_/Min	2430
Combustion Air Flow: M_/Min	137
Exhaust Gas Flow: M_/Min	493

**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.