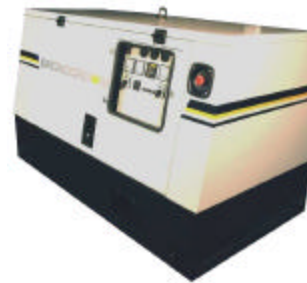


**BCY13P  
BCY20P**

# Performance

## GENERATING POWER SOLUTIONS



### PRODUCT REFERENCE SPECIFICATION

Genset Model	Engine Type	50Hz		60Hz		Open Weight Nett kg	Canopied Weight Nett Kg	Open Dimensions (mm)			Canopied Dimensions (mm)		
		kVA	kW	kVA	kW			L	W	H	L	W	H
BCY13P	3TNE84G1A	13.5	10.8	16.5	13.2	395	640	1300	949	1036	1810	949	1183
BCY20P	4TNE84G1A	20.3	16.2	24.2	19.4	485	730	1300	949	1036	1810	949	1183

### TECHNICAL DATA

3 Phase					
BCY13P					
Engine model:	3TNE 84 G1A			<b>1500 RPM</b>	<b>1800 RPM</b>
Number of cylinders	3		Fuel Consumption: l/hr	3.3	4.1
Cubic capacity : litres (cu.in)	1.496 (91.29)		Heat Rejection to:	9.3 (529)	11.9 (677)
Bore/stroke: mm (in)	84x90 (3.3x3.54)		Exhaust System kW (Btu/min)		
Compression ratio:	18:1		Cooling System kW (Btu/min)	7.4 (421)	9.6 (546)
Aspiration:	Natural		Radiated Heat: kW (Btu/min)	6.2 (353)	7.2 (409)
Frequency:	50Hz	60Hz	Exhaust Temperature: °C (F)	<460 (860)	<485 (905)
Engine Speed	1500 rpm	1800 rpm	Cooling Air Flow: m³/min (cfm)	19.2 (678)	21.0 (742)
Power at flywheel: kW (hp)	13.5 (18.1)	16.4 (22.0)	Combustion Air: m³/min (cfm)	0.94 (33.3)	1.13 (39.9)
BMEP: kPa (psi) Prime	722 (105)	731 (106)	Exhaust Gas Flow: m³/min (cfm)	2.44 (86.2)	3.03 (107.0)
Piston Speed: m/sec (ft/sec)	4.5 (14.8)	5.4 (17.7)			
Fuel Tank Capacity: ltr (UK gal)	55 (12.1)				

3 Phase					
BCY20P					
Engine model:	4TNE 84 G1A			<b>1500 RPM</b>	<b>1800 RPM</b>
Number of cylinders	4		Fuel Consumption: l/hr	4.8	5.7
Cubic capacity : litres (cu.in)	1.995 (121.7)		Heat Rejection to:	11.6 (660)	15.3 (870)
Bore/stroke: mm (in)	84x90 (3.3x3.54)		Exhaust System kW (Btu/min)		
Compression ratio:	18:1		Cooling System kW (Btu/min)	13.3 (756)	14.0 (796)
Aspiration:	Natural		Radiated Heat: kW (Btu/min)	7.9 (449)	9.5 (540)
Frequency:	50Hz	60Hz	Exhaust Temperature: °C (F)	<420(788)	<450 (842)
Engine Speed	1500 rpm	1800 rpm	Cooling Air Flow: m³/min (cfm)	25.3 (893)	32.5 (1148)
Power at flywheel: kW (hp)	19.1 (25.6)	22.9 (30.7)	Combustion Air: m³/min (cfm)	1.29 (45.6)	1.56 (55.1)
BMEP: kPa (psi) Prime	766 (111)	765 (111)	Exhaust Gas Flow: m³/min (cfm)	3.16 (111.6)	4.02 (142.0)
Piston Speed: m/sec (ft/sec)	4.5 (14.8)	5.4 (17.7)			
Fuel Tank Capacity: ltr (UK gal)	55 (12.1)				

**BCY22P**

# Performance data

GENERATING  
POWER

# SOLUTIONS



### PRODUCT REFERENCE SPECIFICATION

Genset Model	Engine Type	50Hz		60Hz		Open Weight Nett Kg	Canopied Weight Nett Kg	Open Dimensions (mm)			Canopied Dimensions (mm)		
		kVA	kW	kVA	kW			L	W	H	L	W	H
BCY22P	4TNE88G1A	22.0	17.6	27.5	22.0	485	730	1300	949	1036	1810	949	1183

### TECHNICAL DATA

3 Phase						
BCY22P						
Engine model:		4TNE 88 G1A		1500 RPM	1800 RPM	
Number of cylinders	4	Fuel Consumption: l/hr		5.3	6.7	
Cubic capacity : litres (cu.in)	2.189 (121.7)	Heat Rejection to:		13.9 (790)	18.0 (1024)	
Bore/stroke: mm (in)	84x90 (3.3x3.54)	Exhaust System kW (Btu/min)				
Compression ratio:	18:1	Cooling System kW (Btu/min)		13.8 (785)	17.7 (1007)	
Aspiration:	Natural	Radiated Heat: kW (Btu/min)		8.8 (500)	10.7 (608)	
Frequency:	50Hz	60Hz	Exhaust Temperature: °C (F)		<455(851)	<480 (896)
Engine Speed	1500 rpm	1800 rpm	Cooling Air Flow: m³/min (cfm)		25.3 (893)	32.5 (1148)
Power at flywheel: kW (hp)	20.9 (28.0)	26.2 (35.1)	Combustion Air: m³/min (cfm)		1.41 (49.8)	1.72 (60.7)
BMEP: kPa (psi) Prime	764 (111)	798 (116)	Exhaust Gas Flow: m³/min (cfm)		3.66 (129.3)	4.60 (162.4)
Piston Speed: m/sec (ft/sec)	4.5 (14.8)	5.4 (17.7)				
Fuel Tank Capacity: ltr (UK gal)	55 (12.1)					