



"New Factory Warranted", Rebuilt & Used Diesel Engines, Generators, Power Units, Torque Converters, etc.

### 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		1500 RPM	1800 RPM
Number of cylinders	3		Fuel Consumption: l/hr	3.3      4.1
Cubic capacity : litres (cu.in)	1.496 (91.29)		Heat Rejection to:	
Bore/stroke: mm (in)	84x90 (3.3x3.54)		Exhaust System kW (Btu/min)	9.3 (529)      11.9 (677)
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		1500 RPM	1800 RPM
Number of cylinders	4		Fuel Consumption: l/hr	4.8      5.7
Cubic capacity : litres (cu.in)	1.995 (121.7)		Heat Rejection to:	
Bore/stroke: mm (in)	84x90 (3.3x3.54)		Exhaust System kW (Btu/min)	11.6 (660)      15.3 (870)
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)			

**Detroit Diesel**  
Allison

**CATERPILLAR**  
Cummins

**WESTERBEKE**  
Onan

**Twin Disc**  
ZF

**MARATHON**  
Delco