



"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)			

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