



Manufacturing  
 Birch Road  
 Dumbarton, G82 2RF  
 Tel: 0044 (0)1389 742214  
 Fax: 0044 (0)1389 742554

## EQUIPMENT DATA SHEET

**Diesel Generating Set**  
**50Hz                    60kVA**  
**60Hz                    60kW**

No. **G08.0202**  
 Rev. **B**  
 Date **May 2003**

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1	Model	Ref	GHPII/8065U (US)	
2	Part Number	Ref	601178	
3	Specification	Ref	G32.0031	
4	Installation Drawing	Ref	A050143	
5	Maximum Ambient	°C (°F)	40 (104)	45 (113)
6	Electrical Output	Hz	50	60
	ISO 8528-1			
	- Continuous Power (COP)	kW (kVA)	45.2 (56.6)	50.1 (62.6)
	- Prime Power (PRP)	kW (kVA)	50.5 (63.0)	57.1 (71.4)
	- Permissible average of PRP	%	65	65
	ISO3046/1			
	- Fuel Stop Power/Standby	kW (kVA)	55.7 (69.6)	62.0 (77.5)
	Single Step load application	%	100	100
7	Alternator			
	Class F Temp. Rise (105°C)			
	- Three phase	kW (kVA)	52.0 (65.0)	60.0 (75.0)
	- Single phase	kW (kVA)	34.8 (43.5)	38.0 (47.5)
	Ends Out		12	
	Make & Type		Newage UCI224F14	
	AVR		SX440	
	Regulation	%	+/- 1.0	
8	Circuit Breaker			
	Make & Type		Merlin NSF250N	
	Number of poles		3	
	Rating	Amps	250	
	Trip Unit Type		TM250	
	Overload Protection Range	Amps	125-250	
	Short Circuit Protection Range	Amps	625-1250	
9	Load Terminals			
	Type		M12 Bolts	
10	Fuel Consumption			
	Standby/Fuel Stop	lit/hr(US gal/hr)	14.5 (3.8)	18.3 (4.8)
	100% Prime Power	" "	13.1 (3.5)	16.7 (4.4)
	75%	" "	10.3 (2.7)	13.1 (3.5)
	50%	" "	7.6 (2.0)	9.5 (2.5)



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11	Running Hours			
	100% Prime Power	Hours	83	65
	75%		106	83
	50%		144	115
12	Exhaust Emissions			
	Measurement Method		TA Luft	EPA-MOH/CARB
	Specific Load		100% Load ± 2%	ISO 8178D2
	NOx - Oxides of Nitrogen		4000 mg/nm <sup>3</sup>	7.6 g/kWh
	PM - Particulate Matter		130 mg/nm <sup>3</sup>	0.2 g/kWh
	CO - Carbon Monoxide		650 mg/nm <sup>3</sup>	0.7 g/kWh
	HC - Unburnt Hydrocarbons		150 mg/nm <sup>3</sup>	0.7 g/kWh
13	Exhaust Silencer			
	Make & Type		Silentor	or Discom
	Certificate	Yes	DNV M-8984	DNV M-9801
	Permissible back pressure	mm (ins) Hg	12.7 (0.5)	12.7 (0.5)
14	Noise			
	Sound Pressure at 1 metre	dBA	67	69
	Sound Pressure at 7 metre	dBA	62	63
15	Engine			
	Make & Type		Iveco 8065U.00	
	Cylinders & Form		6 in a Line	
	Aspiration		Natural	
	Fuel Pump		Bosch Type VE (Rotary)	
	Governor Type		Electronic	
	Make & Model		GAC ESD5500	
	Steady State frequency	%	+/-0.5	
	Battery Voltage	Volts	12	
16	Overall Dimensions			
	- Length	Metres (feet)	3.3 (10'10")	
	- Width	Metres (feet)	1.20 (3'11")	
	- Height	Metres (feet)	2.225 (7' 4")	
17	Weight			
	- Without fuel	Kg (lbs)	2800 (6160)	
	- With fuel	Kg (lbs)	3807 (8375)	



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18	Capacities			
	- Fuel	gross	Litres (US gall)	1200 (317)
		usable		1095 (289)
	- Lub oil	total		18.8 (5.0)
		pan		15 (4)
		Purifiner		3.8 (1)
	- Coolant			18.5 (4.9)
19	External fuel supply			
	- maximum above base		Metres (feet)	1.5 (5'0")
	- maximum below base		Metres (feet)	0.3 (1'0")