

aggreko		EQUIPMENT DATA SHEET		No.	G080342
		Diesel Generating Set		Rev.	E
		50 Hz	200kVA	Page	1 of 3
		60 Hz	200kW		
1	Model	Ref	GHP/6CTAA8.3G5 COOLPAC AI and AME		
2	Part Number	Ref	601254A, 601261A. 601312A & 601257A &		
3	Specification	Ref	G320044		
4	Installation Drawing	Ref	A050239 & A050236		
5	Maximum Ambient Based on 104 °C Top Tank	°C (°F)	36 (97)	36 (97)	
6	Electrical Output	Hz	50	60	
	ISO 8528-1				
	- Continuous Power (COP)	kW (kVA)	129 (161)	150 (188)	
	- Prime Power (PRP)	kW (kVA)	160 (200)	186(232)	
	- Permissible average of PRP	%	70	70	
	ISO3046/1				
	- Fuel Stop Power/Standby	kW (kVA)	178 (222)	194 (243)	
	- Single Step load application	%	40	40	
7	Alternator				
	Class F Temp. Rise (105 °C)				
	- Three phase	kW (kVA)	168 (210)	200 (250)	
	- Single phase	kW (kVA)	101 (126)	108 (135)	
	- Ends Out		12		
	- Make & Type		Newage UCD274J13		
	- AVR		MX341		
	- Regulation	%	± 1.0		
8	Circuit Breaker				
	- Make & Type		Merlin Gerin NS630N		
	- Number of poles		4		
	- Rating	Amps	630		
	- Trip Unit Type		STR23SE		
	- Overload Protection Range	Amps	252-630		
	- Short Circuit Protection Range	Amps	504-6300		
Author		C. Bythell			
Checked by		W. Telfer	Approved by	C. Shrive	
Date		04/03/2014	Date	04/03/2014	

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9	Load Terminals				
		- Type		M12 Bolts	
10	Fuel Consumption				
		- Standby/Fuel Stop	lit/hr(US gal/hr)	51.1 (13.5)	63.6 (16.8)
		- 100% Prime Power	" "	45.4 (12)	56 (14.8)
		- 75%	" "	34 (9)	41.3 (10.9)
		- 50%	" "	22.7 (6)	27.6 (7.3)
11	Running Hours				
		- 100% Prime Power	Hours	20.5	16.6
		- 75%	"	27.4	22.5
		- 50%	"	41.0	33.7
12	Exhaust Emissions			TA-Luft 4g	
		- Measurement Method		TA-Luft	EPA-MOH/CARB
		- Specific Load		100% Load ± 2%	1S0 8178D2
		- NOx - Oxides of Nitrogen	g/kWh	4000 mg/nm ³	6.4g/kWh(NOx+HC)
		- PM - Particulate Matter	"	130 mg/nm ³	0.2 g/kWh
		- CO - Carbon Monoxide	"	650 mg/nm ³	3.5 g/kWh
		- HC - Unburnt Hydrocarbons	"	150 mg/nm ³	N/A
		- O2 – Oxygen	%		
13	Exhaust Silencer				
		- Make & Type		Discom	
		- Certificate		DNV M-10651	
		- Permissible back pressure	mm (ins) Hg	6.3 (0.25)	
14	Noise				
		- Sound Power – EEC	dBA (Lw)		
		- Certificate			
		- Sound Pressure at 1 metre	dBA	78	80
		- Sound Pressure at 7 metre	dBA	70	73

