

aggreko		EQUIPMENT DATA SHEET		No.	G080316
		Diesel Generating Set		Rev.	F
		50 Hz	60kVA	Page	1 of 3
		60 Hz	60kW		
1	Model	Ref	GHP/NEF45 60kVA AME & AI		
2	Part Number	Ref	601234A, 601260A & 601310A, 601288A		
3	Specification	Ref	G320044		
4	Installation Drawing	Ref	A050215.1		
5	Maximum Ambient	°C (°F)	43 (109)		45 (113)
6	Electrical Output	Hz	50		60
	ISO 8528-1				
	- Continuous Power (COP)	kW (kVA)	38.0 (47.5)		42.4 (53)
	- Prime Power (PRP)	kW (kVA)	47.5 (59)		52.6 (66)
	- Permissible average of PRP	%	70		70
	ISO3046/1				
	- Fuel Stop Power/Standby	kW (kVA)	52.3 (65)		57.2 (71)
	- Single Step load application	%	40		40
7	Alternator				
	Class F Temp. Rise (105 °C)				
	- Three phase	kW (kVA)	48 (60)		56 (70)
	- Single phase	kW (kVA)	32 (40)		34.5 (45)
	- Ends Out		12		
	- Make & Type		Newage UCI224E14		
	- AVR		SX460		
	- Regulation	%	± 1.5		
8	Circuit Breaker				
	- Make & Type		NS250N Merlin Gerin (31780)		
	- Number of poles		4		
	- Rating	Amps	250		
	- Trip Unit Type		STR22SE		
	- Overload Protection Range	Amps	100-250		
	- Short Circuit Protection Range	Amps	400-2500		
Author		C. Onyenanu			
Checked by		W. Telfer	Approved by	C. Shrive	
Date		05/12/2013	Date	13/12/2013	

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9	Load Terminals				
		- Type		M12 Bolts	
10	Fuel Consumption				
		- Standby/Fuel Stop	lit/hr(US gal/hr)	15.1 (4.0)	17.1 (4.5)
		- 100% Prime Power	" "	13.7 (3.6)	15.5 (4.1)
		- 75%	" "	10.2 (2.7)	11.7 (3.1)
		- 50%	" "	7.0 (1.8)	8.2 (2.2)
11	Running Hours				
		- 100% Prime Power	Hours	14.6	12.9
		- 75%		19.6	17.09
		- 50%		28.6	24.4
12	Exhaust Emissions				
		- Measurement Method		TA-Luft	EPA-MOH/CARB
		- Specific Load		100% Load $\pm$ 2%	ISO 8178D2
		- NOx - Oxides of Nitrogen	g/kWh	1908 mg/m3 5,73 gr/kWh	5,69 gr/kWh
		- PM - Particulate Matter	"	11,5 mg/m3 0,145 gr/kWh	0,25 gr/kWh
		- CO - Carbon Monoxide	"	82 mg/m3 0,69 gr/kWh	2,1 gr/kWh
		- HC - Unburnt Hydrocarbons	"	0,51 gr/kWh	0,25 gr/kWh
13	Exhaust Silencer				
		- Make & Type		IMS	
		- Certificate		DNV M-12346	
		- Permissible back pressure	mm (ins) Hg	6.35 (0.25)	
14	Noise				
		- Sound Pressure at 1 metre	dBA	76	79
		- Sound Pressure at 7 metre	dBA	68	71

