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EQUIPMENT DATA SHEET

No.

G080372

Diesel Generating Set

Rev.

D

50Hz

30kVA

Date

28/11/2013

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1	Model	Ref	GX37F 30kVA BRUNO GENSET 2011
2	Part Number	Ref	601284, 601289 & 601309
3	Specification	Ref	
4	Installation Drawing	Ref	A050252
5	Maximum Ambient	°C (°F)	40 (104)
6	Electrical Output	Hz	50
	ISO 8528-1		
	- Continuous Power (COP)	kW (kVA)	21,6 (27)
	- Prime Power (PRP)	kW (kVA)	24 (30)
	- Permissible average of PRP	%	80%
	ISO3046/1		
	- Fuel Stop Power/Standby	kW (kVA)	26,4 (33)
	- Single Step load application	%	50%
7	Alternator		
	Class F Temp. Rise (105°C)		
	- Three phase	kW (kVA)	25,2 (31,5)
	- Single phase	kW (kVA)	14,8 (18,5)
	- Ends Out		12
	- Make & Type		Leroy Somer , LSA 423 VS3
	- AVR		R 438
	- Regulation	%	± 0,5%
8	Circuit Breaker		
	- Make & Type		SCHNEIDER – Merlin Gerin C120N C100
	- Number of poles		4
	- Rating	Amps	100
	- Trip Unit Type		Thermal Magnetic
	- Overload Protection Range	Amps	500 – 1000
	- Short Circuit Protection Range	Amps	10K
Author		C. Bythell	
Approved by		C. Shrive	Approved by W. Telfer
Date		18/12/2013	Date 16/12/2013

9	Load Terminals				
		- Type			
10	Fuel Consumption				
		- Standby/Fuel Stop	lit/hr(US gal/hr)	9,6 (2.54)	
		- 100% Prime Power	" "	8,3 (2.19)	
		- 80%	" "	6,5 (1.72)	
		- 50%	" "	4,3 (1.14)	
11	Running Hours				
		- 100% Prime Power	Hours	21.7	
		- 75%	"	27.7	
		- 50%	"	41.9	
12	Exhaust Emissions				
		- Measurement Method			
		- Specific Load			
		- NOx - Oxides of Nitrogen	g/kWh	8.0	
		- PM - Particulate Matter	"	0.8	
		- CO - Carbon Monoxide	"	5.5	
		- HC - Unburnt Hydrocarbons	"	1.5	
		- O2 – Oxygen	%		
13	Exhaust Silencer				
		- Make & Type		IMS 'Aggreko 30kVA Exhaust System'	
		- Certificate			
		- Permissible back pressure	mm (ins) Hg	6.3 (0.25)	
14	Noise				
		- Sound Power – EEC	dBA (Lw)	93.0	
		- Certificate		714F09650112	
		- Sound Pressure at 1 metre	dBA	74.3	
		- Sound Pressure at 7 metre	dBA	64.9	

15	Engine				
	- Make & Type		FPT F32 AM1A Stage II		
	- Cylinders & Form		4, in line		
	- Aspiration		Natural		
	- Fuel Pump		Mechanical		
	- Governor Type		Mechanical (G2 class)		
	- Make & Model				
	- Steady State frequency	%	4%		
	- Battery Voltage	Volts	12 V		
16	Overall Dimensions				
	- Length	Metres (feet)	2.04 (6'8")		
	- Width	Metres (feet)	1.04 (3'5")		
	- Height	Metres (feet)	1.47 (4'10")		
17	Weight				
	- Without fuel (net)	Kg (lbs)	1000 (2205)		
	- With fuel (gross)	Kg (lbs)	1160 (2558)		
18	Capacities				
	- Fuel	Gross (litres)	190		
		Usable (litres)	180		
	- Lube oil	Total (litres)	10.5		
		Pan (litres)	8,5 max		
	- Coolant	Litres	19.5		
19	External fuel supply				
	- maximum above base	Metres (feet)	1.5 (5'0")		
	- maximum below base	Metres (feet)	0.3 (1'0")		