

EQUIPMENT DATA SHEET

Gas Generating Set
50Hz 1100kW / 1375 kVA
60Hz 1300kW / 1625kVA

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1	Model	Ref	NHC20/QSK60 Gas G-Drive	
2	Part Number	Ref	611002	
3	Specification	Ref	G32.0048	
4	Installation Drawing	Ref	A050228	
5	Maximum Ambient Before Derate	°C (°F)	35 (95)	35 (95)
6	Electrical Output	Hz	50	60
	ISO 8528-1			
	- Continuous Power (COP)	kW (kVA)	1100 (1375)	1300 (1625)
	Single Step load application	%	30	30
7	Alternator			
	Class F Temp. Rise (105°C)			
	- Three phase	kW (kVA)	1156 (1445)	1352 (1690)
	- Single phase	kW (kVA)	-	
	Ends Out		6	
	Make & Type		Cummins Generator Technologies PE734C2	
	Regulation	%	±0.5	
8	Circuit Breaker			
	Make & Type		Merlin Gerin NW25	
	Number of poles		4	
	Rating	Amps	2500	
	Trip Unit Type		Micrologic 5.0	
	Overload Protection Range	Amps	1000 - 2500 (Adjustable by selector)	
	Short Circuit Protection Range	Amps	1500 - 25000(Adjustable by selector)	
9	Load Terminals			
	Type		Busbar M12	
10	Gas Energy Input (LHV) ISO 3046/1			
	100%	kW	3130	3959
	90%	kW	2850	3602
	75%	kW	2417	3064
	50%	kW	1719	2164

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11	Exhaust Emissions			
	Specific Load		100% Load ± 2%	
	NOx - Oxides of Nitrogen		489 mg/nm ³	473 mg/nm ³
	CH ₄ – Methane (affected by gas composition)		1330 mg/nm ³	1496 mg/nm ³
	CO - Carbon Monoxide		676 mg/nm ³	485 mg/nm ³
12	Exhaust Silencer			
	Make & Type		Universal Silencers	
	Certificate	Yes	M-10408 (per Nelson Burgess)	
	Permissible back pressure	mm (ins) Hg	6.35 (0.25")	
13	Noise			
	Sound Power	dBA (Lw)	104 (Est)	107 (Est)
	Sound Pressure at 1 metre	dBA	87	90
	Sound Pressure at 7 metres	dBA	80	84
	Sound Pressure at 15 metres	dBA	73	77
14	Engine			
	Make & Type		Cummins QSK60 Gas	
	Cylinders & Form		V16 60°	
	Aspiration		Turbocharged & Low Temperature Aftercooled	
	Governor Type		Electronic	
	Make & Model		Cummins MCM700	
	Steady State frequency	%	± 0.25	
	Battery Voltage	Volts	24	
15	Overall Dimensions			
	- Length	Metres (feet)	6.06 (20' 0")	
	- Width	Metres (feet)	2.44 (8' 0")	
	- Height	Metres (feet)	2.60 (8' 6")	
	*Refer to Installation Drawing for overall dimensions with Gas Ancillaries Module installed			
16	Weight			
	- Containerised Genset Only	Kg (lbs)	19270 (42483)	
	- With Gas Ancillary Module (GAM)	Kg (lbs)	24930 (54961)	
17	Capacities			
	- Lub oil total	Litres (US gall)	380 (83.6)	
	- Coolant			
	Jacket Water (JW)		480 (126)	
	Low Temp. Aftercooler (LTA)		200 (52)	

Technical Department