

Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER: EC9761 CE: YES

RATED OUTPUT	KVA	200	RATING CLASSIFICATION	PRP	
	KW	160			
	PHASE	3			
	VOLTS	400/230		PERFORMANCE CLASS	G1
	AMPS	289			(AS DEFINED BY ISO 8528-1)
	HZ	50			
	RPM	1500			
GOVERNOR TYPE			E.C.U.		
			COOLING METHOD	WATERCOOLED	

ENGINE MAKE	PENNONS	BUILD NUMBER	WGD7002
ENGINE MODEL	1306C-5877423	SERIAL NUMBER	N108084
ALTERNATOR MAKE	MECL-ALTE		
ALTERNATOR MODEL	E1038-2SN	SERIAL NUMBER	A1099040
CONTROL PANEL(S)	AVD START	SERIAL NUMBER(S)	
SWITCHGEAR	—	SERIAL NUMBER(S)	

LOAD TEST RESULTS (AT UNITY POWER FACTOR)

LOAD TYPE	LOAD %	HZ	VOLTS	AMPS	KW	ENGINE TEMP	OIL TEMP	OIL PRESS
						DEG C	DEG C	BAR
load acceptance	45	50.0	400	104	72	—	—	4.2
standby/prime+10%	110%	50.0	400	254	176	92	94	3.3

GENERATING SET ENCLOSURE MECHANICAL PROTECTION

IP
85

AVERAGE SOUND PRESSURE LEVEL (DBA AT 1 M)

(UNITS WITH ACOUSTIC CANOPIES ONLY & MEASURED UNDER TEST BAY CONDITIONS AT 75% LOAD IN ACCORDANCE WITH ISO8528-10)

AMBIENT TEST CONDITIONS		FUEL/OIL USED	
ALTITUDE (M)	Sea Level	FUEL SPEC	BS2869A2
BAROMETRIC PRESSURE (kpa)	101.3	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	17	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	72	LUB OIL SPEC	Multigrade

WIRING DIAGRAMS:

ENGINE	09-166500	CONTROL PANEL(S)	09-166400
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TESTED BY

I. JOHNSON

DATE

09/08/2010