

Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER: E9779 CE: NO

RATED OUTPUT	KVA	220	RATING CLASSIFICATION	ESP
	KW	176		
	PHASE	3		
	VOLTS	380/220		
	AMPS	334		
	HZ	50		
	RPM	1500		
GOVERNOR TYPE			E.C.U.	
			COOLING METHOD	WATERCOOLED
			PERFORMANCE CLASS	G1
			(AS DEFINED BY ISO 8528-1)	

ENGINE MAKE	PENNINS	BUILD NUMBER	WADF 7002
ENGINE MODEL	1306C-B87TAG3	SERIAL NUMBER	N10965U
ALTERNATOR MAKE	STANFORD		
ALTERNATOR MODEL	UCF 274 H	SERIAL NUMBER	0260149/008
CONTROL PANEL(S)	MANUAL 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	380	120	79	—	—	4.4
standby/ prime+10%	110%	50.0	380	267	176	89	96	3.2

GENERATING SET ENCLOSURE MECHANICAL PROTECTION IP

AVERAGE SOUND PRESSURE LEVEL (DBA AT 1 M) 85

(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)	101.0	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	24	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	64	LUB OIL SPEC	Multigrade

WIRING DIAGRAMS:

ENGINE	06-136000	CONTROL PANEL(S)	09-166400
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TESTED BY I. JOHNSON

DATE 09/08/2010