

Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER: E9811 CE: NO

RATED OUTPUT	KVA	150	RATING CLASSIFICATION	PND	
	KW	120			
	PHASE	3			
	VOLTS	380/220		PERFORMANCE CLASS	G1
	AMPS	228			
	HZ	50			
	RPM	1500			
GOVERNOR TYPE			ELECTRONIC	COOLING METHOD	WATERCOOLED

ENGINE MAKE	PERKINS	BUILD NUMBER	YD51441
ENGINE MODEL	1006 PMS2	SERIAL NUMBER	U910973T
ALTERNATOR MAKE	STAMFORD	SERIAL NUMBER	0269534/017
ALTERNATOR MODEL	UC2274F		
CONTROL PANEL(S)	MUTUM SMART	SERIAL NUMBER(S)	
SWITCHGEAR		SERIAL NUMBER(S)	

LOAD TEST RESULTS (AT UNITY POWER FACTOR)

LOAD TYPE	LOAD %	HZ	VOLTS	AMPS	KW	ENGINE TEMP DEG C	OIL TEMP DEG C	OIL PRESS BAR
load acceptance	50	50.0	380	91	60	-	-	5.1
standby/ prime+10%	110%	50.0	380	201	132	81	-	3.8

GENERATING SET ENCLOSURE MECHANICAL PROTECTION

IP

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)	101.0	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	22	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	73	LUB OIL SPEC	Multigrade

WIRING DIAGRAMS:

ENGINE		CONTROL PANEL(S)	

TESTED BY

Z. JOHNSON

DATE

20/07/2010