

## Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER: E9692 CE: NO

RATED OUTPUT	KVA	730	RATING CLASSIFICATION	PnP	
	KW	584			
	PHASE	3			
	VOLTS	380/220		PERFORMANCE CLASS	G1
	AMPS	1109			
	HZ	50			
	RPM	1500			
GOVERNOR TYPE			ELECTRONIC		
COOLING METHOD			WATERCOOLED		

ENGINE MAKE	PERKINS	BUILD NUMBER	DCBF 648
ENGINE MODEL	4006-23TAG2A	SERIAL NUMBER	U140504
ALTERNATOR MAKE	STAMFORD	SERIAL NUMBER	0261423/007
ALTERNATOR MODEL	HCR 634G	SERIAL NUMBER(S)	
CONTROL PANEL(S)	AUTO START	SERIAL NUMBER(S)	
SWITCHGEAR	A-T-S	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	69	50.0	380	612	1403	-	-	5.6
standby/ prime+10%	110%	50.0	380	976	642	72	-	4.6

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)	102.0	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	16	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	68	LUB OIL SPEC	Multigrade

### WIRING DIAGRAMS:

ENGINE	10-169300	CONTROL PANEL(S)	AM3-ATS 10-171200
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TESTED BY I. JOHNSON

DATE 23/02/2010