

Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER: E9688 CE: ko

RATED OUTPUT	KVA	725	RATING CLASSIFICATION	PRP	
	KW	580			
	PHASE	3			
	VOLTS	400/230		PERFORMANCE CLASS	G1
	AMPS	1048			(AS DEFINED BY ISO 8528-1)
	HZ	50			
	RPM	1500			
GOVERNOR TYPE			Electronic	COOLING METHOD	WATERCOOLED

ENGINE MAKE	Perkins	BUILD NUMBER	DG8F6118
ENGINE MODEL	4006C-23TAG2A	SERIAL NUMBER	U14610U
ALTERNATOR MAKE	Stamford		
ALTERNATOR MODEL	HCP634G	SERIAL NUMBER	0258250/008
CONTROL PANEL(S)	Manualstart	SERIAL NUMBER(S)	
SWITCHGEAR		SERIAL NUMBER(S)	

LOAD TEST RESULTS (AT UNITY POWER FACTOR)

TYPE	LOAD %	HZ	VOLTS	AMPS	KW	ENGINE TEMP DEG C	OIL TEMP DEG C	OIL PRESS BAR
load acceptance	69%	50.0	400	578	400	-	-	4.9
standby/ prime+10%	110%	50.0	400	922	638	73	-	4.4

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)	101.2	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	15	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	82	LUB OIL SPEC	Multigrade

WIRING DIAGRAMS:

ENGINE	09-161600	CONTROL PANEL(S)	10-170800
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TESTED BY *H. Ward*

DATE 12/07/2010