

Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER: E9713 CE: No

RATED OUTPUT	KVA	45	RATING CLASSIFICATION	PRP
	KW	36		
	PHASE	3		
	VOLTS	400/230	PERFORMANCE CLASS (AS DEFINED BY ISO 8528-1)	G1
	AMPS	65		
	HZ	50		
	RPM	1500		
GOVERNOR TYPE	Mechanical		COOLING METHOD	WATERCOOLED

ENGINE MAKE	Perkins	BUILD NUMBER	DKS1435
ENGINE MODEL	1103A-33TG1	SERIAL NUMBER	U242729U
ALTERNATOR MAKE	Stamford		
ALTERNATOR MODEL	UGT 224D	SERIAL NUMBER	0267860/010
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	90%	50.4	400	47	32	—	—	4.8
standby/ prime+10%	110%	50.0	400	57	40	85	—	4.1

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)	101.6	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	16	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	82	LUB OIL SPEC	Multigrade

WIRING DIAGRAMS:

ENGINE	06-130700	CONTROL PANEL(S)	Am3-986F
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TESTED BY

H. Wal

DATE 02/08/2010