

Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER: E9821/3 CE: NO

RATED OUTPUT	KVA	12	RATING CLASSIFICATION	PRP	
	KW	9.6			
	PHASE	3			
	VOLTS	400/230		PERFORMANCE CLASS	G1
	AMPS	17.3			
	HZ	50			
	RPM	1500			
GOVERNOR TYPE			MECHANICAL		
			COOLING METHOD WATERCOOLED		

ENGINE MAKE	PERKINS	BUILD NUMBER	GK65597
ENGINE MODEL	403D - 15G	SERIAL NUMBER	U594306T
ALTERNATOR MAKE	WECC-ALTE		
ALTERNATOR MODEL	E103 - 2L	SERIAL NUMBER	0001405837
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 DEG C	OIL TEMP DEG C	OIL PRESS BAR
load acceptance	80	50.7	400	11.0	7.6	—	—	5.2
standby/prime+10%	110%	50.0	400	15.2	10.5	81	—	4.1

GENERATING SET ENCLOSURE MECHANICAL PROTECTION IP

AVERAGE SOUND PRESSURE LEVEL (DBA AT 1 M) 75

(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)	20	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	83	LUB OIL SPEC	Multigrade

WIRING DIAGRAMS:	
ENGINE	08-152300
CONTROL PANEL(S)	Am3-986F

TESTED BY H. Wal DATE 10/09/2010