

Generating Set Functional Test Report

In accordance with ISO 8528-6 2005

PLANT NUMBER: E9667 CE: NO

RATED OUTPUT	KVA	150	RATING CLASSIFICATION	PMP		
	KW	120				
	PHASE	3				
	VOLTS	415/240		PERFORMANCE CLASS	G1	
	AMPS	209				(AS DEFINED BY ISO 8528-1)
	HZ	50				
	RPM	1500				
GOVERNOR TYPE			ELECTRONIC			
			COOLING METHOD		WATERCOOLED	

ENGINE MAKE	PERKINS	BUILD NUMBER	YDS1441
ENGINE MODEL	LOD6 TAG2	SERIAL NUMBER	U910973T
ALTERNATOR MAKE	STAMFORD	SERIAL NUMBER	0269534/017
ALTERNATOR MODEL	UC2 274F	SERIAL NUMBER(S)	
CONTROL PANEL(S)	MANUAL START	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	50	50.0	415	84	60	—	—	5.1
standby/ prime+10%	110%	50.0	415	184	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	09-160900
CONTROL PANEL(S)	10-170800

TESTED BY I. JOHNSON DATE 20/07/2010