

Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER: E9700 CE: YBS

RATED OUTPUT	KVA	60	RATING CLASSIFICATION	PRP	
	KW	48			
	PHASE	3			
	VOLTS	400/230		PERFORMANCE CLASS	C1
	AMPS	87			(AS DEFINED BY ISO 8528-1)
	HZ	50			
	RPM	1500			
GOVERNOR TYPE			MECHANICAL	COOLING METHOD	WATERCOOLED

ENGINE MAKE	PERKINS	BUILD NUMBER	DK51280
ENGINE MODEL	1103A-332r2	SERIAL NUMBER	L02386124
ALTERNATOR MAKE	WELL-ALTE	SERIAL NUMBER	A1094313
ALTERNATOR MODEL	ECO32-2L4		
CONTROL PANEL(S)	AV1030MST	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	85	50.6	400	59	41	—	—	4.8
standby/ prime+10%	110%	50.0	400	77	53	87	—	3.6

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)	101.3	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	17	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	82	LUB OIL SPEC	Multigrade

WIRING DIAGRAMS:

ENGINE	08-158400	CONTROL PANEL(S)	10-170300A
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TESTED BY

I. JOHNSON

DATE

22/07/2010