

Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER: E9662/1 CE: No

RATED OUTPUT	KVA	40	RATING CLASSIFICATION	PRP	
	KW	32			
	PHASE	3			
	VOLTS	400/230		PERFORMANCE CLASS	G1 <small>(AS DEFINED BY ISO 8528-1)</small>
	AMPS	58			
	HZ	50			
	RPM	1500			
GOVERNOR TYPE			COOLING METHOD		
Mechanical			WATERCOOLED		

ENGINE MAKE	Perkins	BUILD NUMBER	DK51435
ENGINE MODEL	1103A-33TG1	SERIAL NUMBER	U2414534
ALTERNATOR MAKE	Mecc Alte	SERIAL NUMBER	A1088026
ALTERNATOR MODEL	ECO 32-3S/4		
CONTROL PANEL(S)	Manual start		
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	100%	50.3	400	46	32	—	—	4.4
standby/prime+10%	110%	50	400	51	35	83	—	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)	101.6	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	20	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	73	LUB OIL SPEC	Multigrade

WIRING DIAGRAMS:	
ENGINE	06-137100
CONTROL PANEL(S)	Am3-986F

TESTED BY *H. Wal*

DATE 26/07/2010

Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER: EA662/2 CE: No

RATED OUTPUT	KVA	40	RATING CLASSIFICATION	PRP	
	KW	32			
	PHASE	3			
	VOLTS	400/230		PERFORMANCE CLASS	G1
	AMPS	58			
	HZ	50			
	RPM	1500			
GOVERNOR TYPE			Mechanical	COOLING METHOD	WATERCOOLED

ENGINE MAKE	Perkins	BUILD NUMBER	DKS1435
ENGINE MODEL	1103A-33TG1	SERIAL NUMBER	U241472U
ALTERNATOR MAKE	Mecc Alte		
ALTERNATOR MODEL	ECO 32-3S/4	SERIAL NUMBER	0001341243
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	100%	50.4	400	46	32	-	-	4.2
standby/ prime+10%	110%	50.0	400	51	35	83	-	3.6

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)	101.5	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	19	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	88	LUB OIL SPEC	Multigrade

WIRING DIAGRAMS:

ENGINE	06-137100	CONTROL PANEL(S)	AM3-986F
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TESTED BY

H. Wal

DATE 27/07/2010