

Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER: E9855 CE: NO

RATED OUTPUT	KVA	1250	RATING CLASSIFICATION	Pnp
	KW	1000		
	PHASE	3		
	VOLTS	400/230		
	AMPS	1804		
	HZ	50		
	RPM	1500	PERFORMANCE CLASS	G1
			(AS DEFINED BY ISO 8528-1)	
GOVERNOR TYPE	ELECTRONIC		COOLING METHOD	WATERCOOLED

ENGINE MAKE	PENNINGS	BUILD NUMBER	D6K1460916
ENGINE MODEL	4E012-46TUG21A	SERIAL NUMBER	U18985U
ALTERNATOR MAKE	LEROY-SOMMER		
ALTERNATOR MODEL	LSA 50-2 M6	SERIAL NUMBER	234620/1
CONTROL PANEL(S)	FUSE ISSUE	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	72	50.0	400	1039	720	—	—	5.7
standby/ prime+10%	110%	50.0	400	1588	1100	73	—	4.6

GENERATING SET ENCLOSURE MECHANICAL PROTECTION

IP
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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)	101.7	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	6	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	70	LUB OIL SPEC	Multigrade

WIRING DIAGRAMS:

ENGINE		CONTROL PANEL(S)	

TESTED BY

I. JOHNSON

DATE

20/10/2010