

Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER: EQ760 CE: YES

RATED OUTPUT	KVA	80	RATING CLASSIFICATION	PDP	
	KW	64			
	PHASE	3			
	VOLTS	400/230		PERFORMANCE CLASS	G1
	AMPS	116			
	HZ	50			
	RPM	1500			
GOVERNOR TYPE			MECHANICAL	COOLING METHOD	WATERCOOLED

ENGINE MAKE	PEMINS	BUILD NUMBER	R551277
ENGINE MODEL	1104A-44TG2	SERIAL NUMBER	U487666T
ALTERNATOR MAKE	MECC-ALTE		
ALTERNATOR MODEL	ECP34-1S4	SERIAL NUMBER	0001336945
CONTROL PANEL(S)	AUTO 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
standby/ prime+10%	110%	50.0	400	102	88	N/A	—	4.3

GENERATING SET ENCLOSURE MECHANICAL PROTECTION

IP

AVERAGE SOUND PRESSURE LEVEL (DBA AT 1 M)

94

(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)	101.4	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	21	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	78	LUB OIL SPEC	Multigrade

WIRING DIAGRAMS:			
ENGINE		CONTROL PANEL(S)	

TESTED BY I. JOHNSON

DATE 27/07/2010