

Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER: EQ657 CE: No

RATED OUTPUT	KVA	800	RATING CLASSIFICATION	PRP	
	KW	640			
	PHASE	3			
	VOLTS	380/220		PERFORMANCE CLASS	G1
	AMPS	1216			(AS DEFINED BY ISO 8528-1)
	HZ	50			
	RPM	1500			
GOVERNOR TYPE			ECM	COOLING METHOD	WATERCOOLED

ENGINE MAKE	Perkins	BUILD NUMBER	D9DF6116
ENGINE MODEL	4006-23TAG3A	SERIAL NUMBER	U15786U
ALTERNATOR MAKE	Stamford		
ALTERNATOR MODEL	HCP634G	SERIAL NUMBER	0258252/607
CONTROL PANEL(S)	Autostart	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	66%	50.0	380	642	422	—	—	4.7
standby/ prime+10%	110%	50.0	380	1070	704	75	—	4.3

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)	101.3	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	21	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	60	LUB OIL SPEC	Multigrade

WIRING DIAGRAMS:

ENGINE	09-161600	CONTROL PANEL(S)	10-171200
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TESTED BY

H. W. A.

DATE 03/08/2010