



Engine Serial Prefix#: 4EK

Generator Set Specifications

Engine

Engine Sales Model: 3516SITASCAC
 Engine Size: 3516
 Fuel Type: SI
 Engine Arr.: 1656135
 Dyno Test Spec: 0K4596
 Rated Speed: 1200 RPM
 Cooling System: SCAC
 Aspiration Type: TA

Generator

Package Serial No.
 Serial Number: 9GZ006XX
 Genset Arr:
 Genset Model: A913
 Frame Size:
 Electrical Rating: 910 KW
 Rated Frequency: 60 Hz
 Rated Voltage: 4160 Volts
 Rated P.F.: 0.80
 Tested: Without Fan

System

Test Date: 13-Feb-2008 12:59
 Run No.: 1
 Data ID:
 Test Type: OPERATIONS
 Pass/Fail: PASSED
 Test Cell: 518
 Facility:
 P.L. Setting:
 Test Spec:
 Procedure:

Load Steps

Static Test					Transient Test				Load Reject Test					
<u>Step No</u>	<u>Load</u>	<u>Units</u>	<u>PF</u>	<u>Step Time (Min)</u>	<u>Step No</u>	<u>Initial</u>	<u>Final</u>	<u>Units</u>	<u>PF</u>	<u>Step No</u>	<u>Initial</u>	<u>Final</u>	<u>Units</u>	<u>PF</u>
1	910	KW	0.80	1.00										



Test Tolerances

Static Steps

Line Voltage (+- %)
Avg Voltage (+- %)
Current (+- %)
Power Factor (+-)
Comment:

Full Load Point

Power (+ %)
Power (- %)
Speed (+- rpm)
Frequency (+- Hz)
Comment:

Transient Frequency

Overshoot (%)
Undershoot (%)
Recovery Band (+- %)
Recovery Time (sec)
Steady State Band (+- %)
Steady State Time (sec)
Comment:

Transient Voltage

Overshoot (%)
Undershoot (%)
Recovery Band (+- %)
Recovery Time (sec)
Steady State Band (+- %)
Steady State Time (sec)
Comment:

Load Reject

Frequency Band (+- %)
Voltage band (+- %)
Stability Interval (sec)
Evaluation interval (sec)
Comment:

High Idle Stability and No-Load Point

Frequency band (+- %)
Evaluation interval (sec)
Min Speed (rpm)
Max Speed (rpm)
Comment:



Test Report Engine Serial Prefix #: 4EK

Generator Serial #:	9GZ006XX	Fuel Type:	SI	Test Date:	13-Feb-2008 12:59
Dyno Test Spec:	0K4596	Cooling System:	SCAC	Pass/Fail:	PASSED
Engine Arr.:	1656135	Test Cell:	518	ECM Codes:	No
		Test Run No.:	1		
		Tested:	W/O Fan		

No Load	Amount from Nominal	Measured	Specification
High Idle Speed	-1 RPM	1199 RPM	1200 RPM
Phase A Volts	0.0 %	4160 V	4160 V
Phase B Volts	0.0 %	4159 V	4160 V
Phase C Volts	-0.1 %	4156 V	4160 V
Test Voltage	0.0 %	4158 V	4160 V

Full Load	Amount from Nominal	Measured	Specification
Rated Engine Speed	3 RPM	1203 RPM	1200 RPM
Power	1.2 %	920.2 kW	910 kW
Corrected Power	1.2 %	920.5 kW	910 kW
Correction Factor	1.0000	1.0000	none
Frequency	0.4 %	60.2 Hz	60 Hz
Phase A Volts	0.0 %	4158 V	4160 V
Phase B Volts	-0.1 %	4158 V	4160 V
Phase C Volts	-0.1 %	4156 V	4160 V
Test Voltage	-0.1 %	4158 V	4160 V
Phase A Current	0.3 %	158 Amp	158 Amp
Phase B Current	0.4 %	158 Amp	158 Amp
Phase C Current	0.2 %	158 Amp	158 Amp
Test Current	0.6 %	159 Amp	none Amp
Power Factor	0.0 %	0.801	0.800
Comp Outlet	-	312.45 KPa	
Gas Supply	-	115.25 KPa	
Inlet Manifold	-	93.8 KPa	1.0 KPa
Throttle Delta	-	218.7 KPa	1.0 KPa
Exhaust O2	-	-18.27 %	1.00 %
Exhaust NOX	-	-620 ppm	1 ppm

	Load		Voltage Response				Frequency Response			
	Nom	From Nom	Volt Rcvry	ST State Rcvry	Volt Peak	Volt Valley	Freq Rcvry	ST State Rcvry	Freq Peak	Freq Valley
	kW	%	s	s	%	%	s	s	%	%
0	0	0.0	0.0	0.0	23.6	2.5	0.0	0.0	22.9	0.8



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