



"Your Direct source for Plant reliability, Maintenance, Test & Measurement"

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## NEW Condition Calculator 4.0

### NEW Easy-to-Use User Interface

- Single page for both Data Entry & Analysis
- Simply type in and store your test results quickly
  - Motor ID, Test Date, Phase Test Results, plus enter results from the AT31's unique rotor test, EMI Test and phase balance test!

Condition Calculator 4.0

### ALL-TEST Condition Calculator

Sort by ID  Sort by Date

Motor ID: FAN1

Test Date: 2007-09-28

	T1-T2	T1-T3	T2-T3	Conclusion
Impedance (Z)	26	26	28	5.00
I / F	-41	-42	-44	3.00
Phase Angle (fi)	71	71	74	0.00
Phase Balance (pb)	0	4	7	7.00

Insulation Resistance: 500 MegOhm

Test Volt:  500V  1000V

High Low

EMI Test:  mV

Test Frequency: 200

Rotor Test Passed: Not Tested

Rotor Compensated:

**Findings**

- Shorted Winding.
- Recommend check at motor if tested from MCC.

Saved Records

- ABC9 [2006-10-18]
- FAN1 [2007-09-28]
- XYZ123 [2007-10-18]

Test Clear Save Delete

Print About Exit

## NEW Easy-to-Read Report

- Report shows Test Values & Findings
  - Findings will state condition of the 3-phase winding
  - Report lists phase unbalances for user review
  - Easy to read report format

Condition Calculator - Report

- 1 -

October 22, 2007 10:34 AM

Motor ID: FAN1  
Test Date: 2007-09-28

	T1-T2	T1-T3	T2-T3	
Impedance:	26	26	28	5.00
I / F :	-41	-42	-44	3.00
Phase Angle:	71	71	74	3.00
Phase Balance:	0	4	7	7.00
Insulation:	500	MegOhm		
Test Volt :	500V			

EMI Test :           High           Low

Test Freq :       200  
Rotor Test:      Not Tested  
Rotor Comp:     FALSE

Findings: - Shorted Winding.  
          - Recommend check at motor if tested from MC

## NEW Data Export

- Via Comma Separated Variable File (.csv)

A	B	C	D	E	
MotorId	TestDate	z1	z2	z3	if1
XYZ123	10/18/2007	45	45	45	
ABC9	10/18/2006	65	67	69	
FAN1	9/28/2007	26	26	28	

**NEW Condition Calculator makes it a Breeze to analyze potential faults.  
Enter the test results into your PC and it gives you an answer every time!**

Reliability Direct, Inc.

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