

Machine Test Summary

Explorer		
	Machine Database Location Building Report Date Report Time	small motor in class Solution Factory SKF training class solution factory 10/5/2011 1:04 AM

Nameplate Data:			
kW	1.50	Manufacture	ACV motors
RPM	1400	Model	3 phase ind motor
Volts	380	Serial No.	0812019109
Amps	3.63	Insulation	F
Enclosure		Design	

Notes:

Test Result

Machine		small motor in class	
Database	Solution Factory SKF	Tested by	
Location	training class	Tested for	
Building	solution factory	Explorer SN#	10874
Test Date	10/5/2011	Test Time	1:01:55 AM

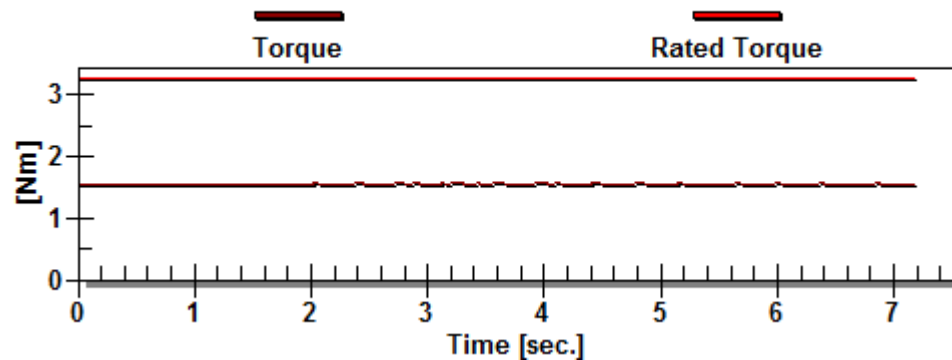
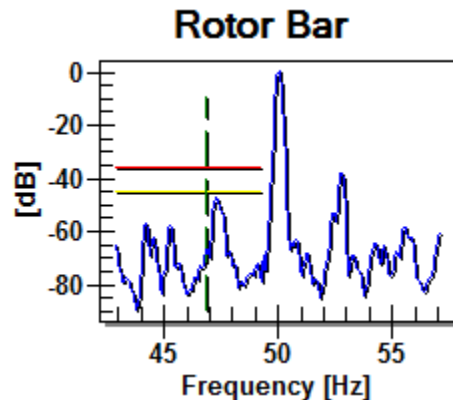
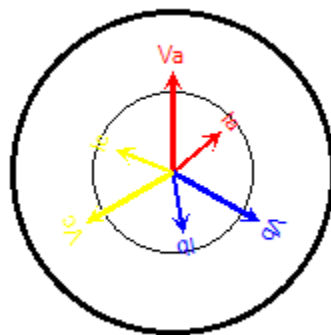
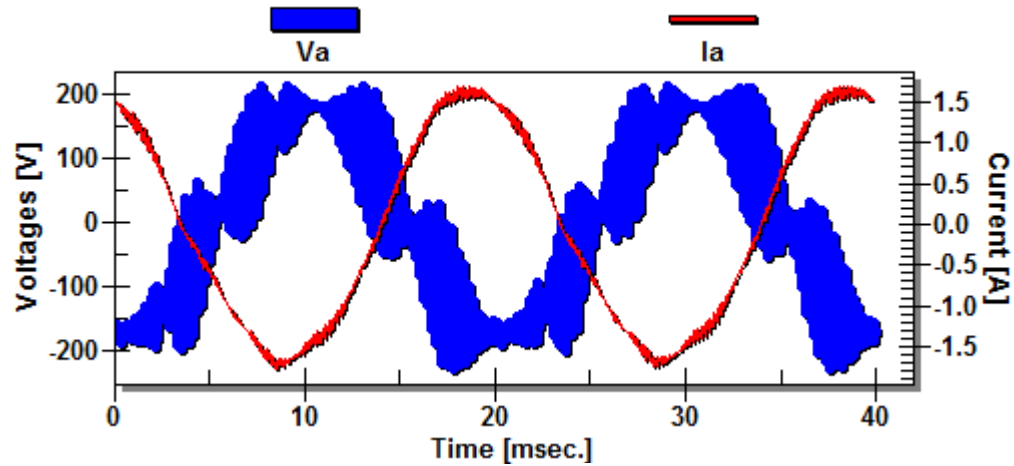
	Name Plate	Measured
Output Power [kW]	1.50	0.24
Speed [RPM]	1400	1453.01
RMS [V]	380	216.13
RMS [A]	3.63	1.19
Frequency [Hz]	50	50.01
pf [p.u.]	N/A	0.63
Nema Derating [p.u.]	1.0	1.00
Torque [Nm]	10.23	1.56
Efficiency	N/A	84.35
Percent Load	N/A	15.80

Test	Value	Status	Caut. Level	Warn. Level
Voltage Level [RMS V]	216.13	N/A	N/A	N/A
Voltage Unbalance [%]	0.09	Good	2.00	3.50
THD [% of fund.]	1.99	Good	7.00	9.00
Total Distortion [% of fund.]	2.08	Good	10.00	12.00
Current Level [%]	33.37	Good	110.00	120.00
Current Unbalance [%]	1.72	Indet.	10.00	20.00
Load [%]	15.80	Good	110.00	125.00
Ef. Service Factor [p.u.]	0.16	Good	1.10	1.25
Rotor Bar [db]	-66.71	Good	-45.00	-36.00
Op. Point [%]	0.00	Good	20.00	30.00

Notes:

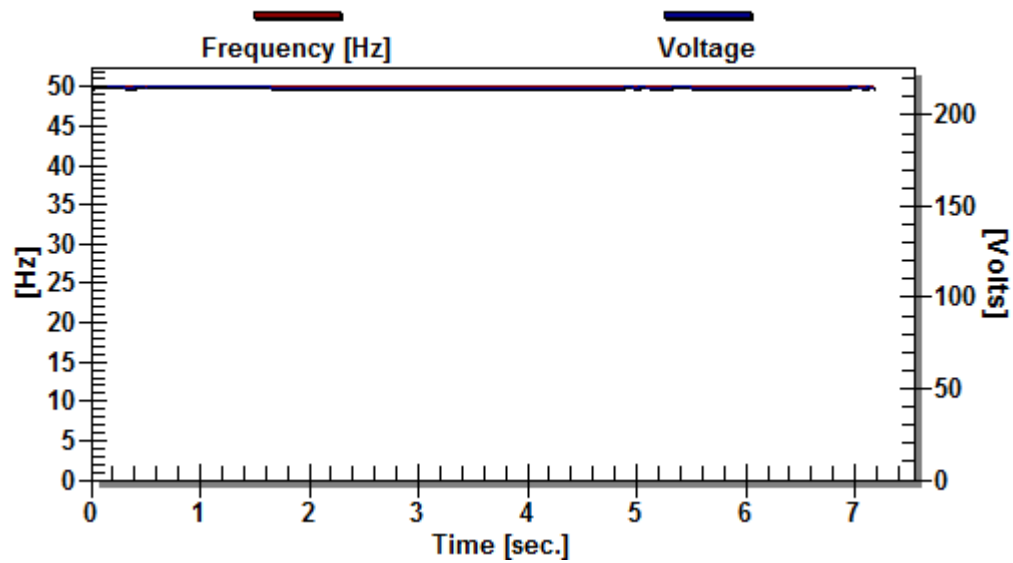
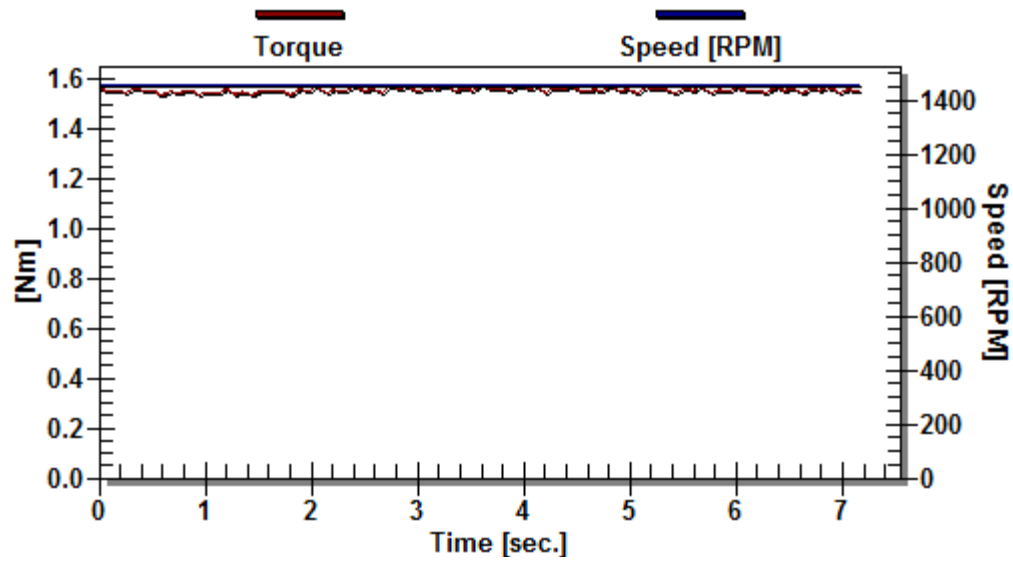
Test Details

Machine		small motor in class	
Database	Solution Factory SKF training class solution factory 10/5/2011	Tested by	10874 1:01:55 AM
Location		Tested for	
Building		Explorer SN#	
Date		Test Time	



VFD Details

Machine		small motor in class	
Database	Solution Factory SKF	Tested by	
Location	training class	Tested for	
Building	solution factory	Explorer SN#	10874
Date	10/5/2011	Test Time	1:01:55 AM



Test Result

Machine		small motor in class	
Database	Solution Factory SKF	Tested by	
Location	training class	Tested for	
Building	solution factory	Explorer SN#	10874
Test Date	10/5/2011	Test Time	12:59:40 AM

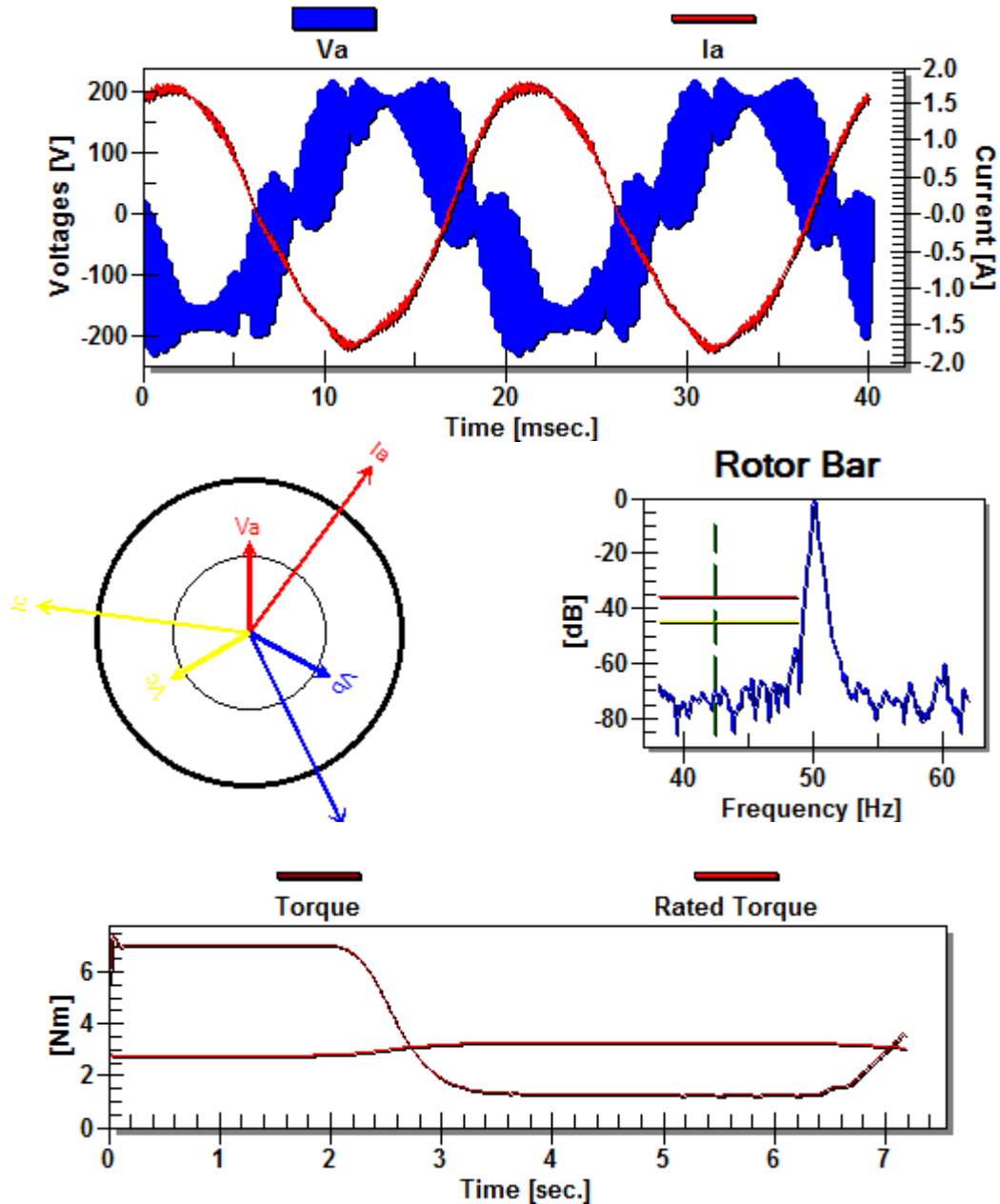
	Name Plate	Measured
Output Power [kW]	1.50	0.62
Speed [RPM]	1400	1381.16
RMS [V]	380	207.39
RMS [A]	3.63	4.87
Frequency [Hz]	50	50.01
pf [p.u.]	N/A	0.65
Nema Derating [p.u.]	1.0	1.02
Torque [Nm]	10.23	4.32
Efficiency	N/A	55.22
Percent Load	N/A	41.62

Test	Value	Status	Caut. Level	Warn. Level
Voltage Level [RMS V]	207.39	N/A	N/A	N/A
Voltage Unbalance [%]	1.24	Good	2.00	3.50
THD [% of fund.]	3.29	Good	7.00	9.00
Total Distortion [% of fund.]	3.30	Good	10.00	12.00
Current Level [%]	136.15	Warning	110.00	120.00
Current Unbalance [%]	2.75	Good	10.00	20.00
Load [%]	41.62	Good	110.00	125.00
Ef. Service Factor [p.u.]	0.41	Good	1.10	1.25
Rotor Bar [db]	-69.93	Good	-45.00	-36.00
Op. Point [%]	0.00	Good	20.00	30.00

Notes:

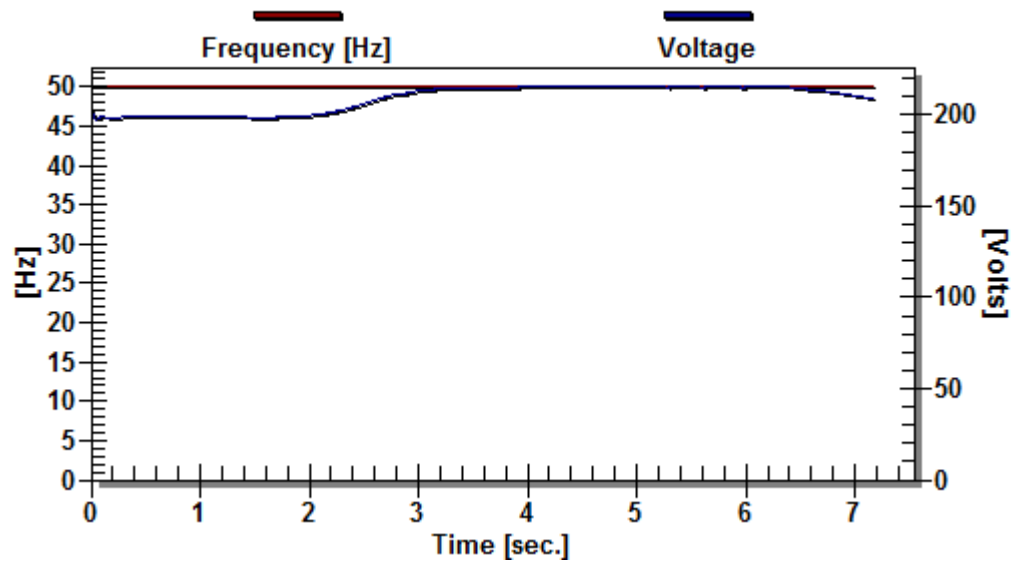
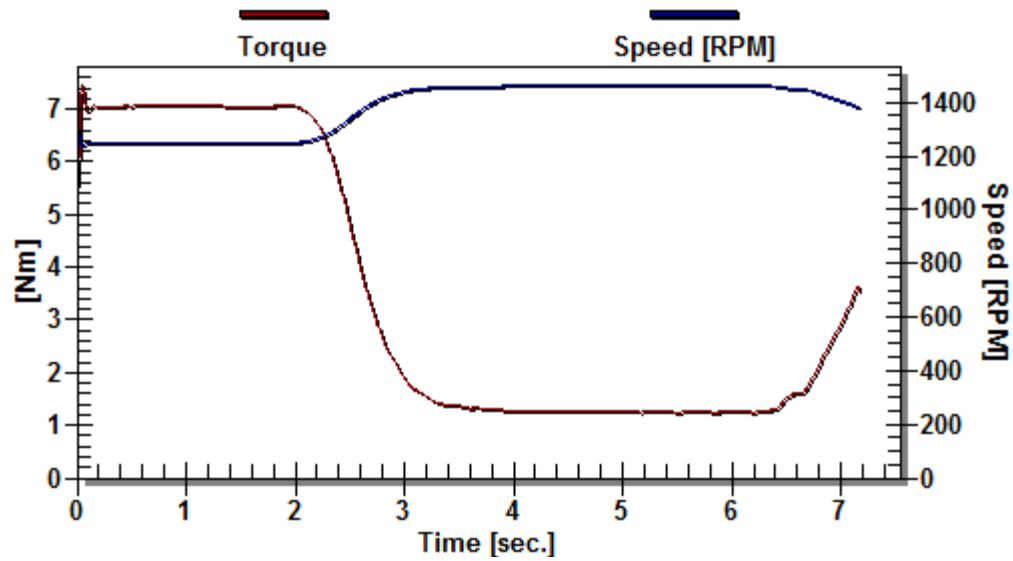
Test Details

Machine		small motor in class	
Database	Solution Factory SKF training class solution factory 10/5/2011	Tested by	10874 12:59:40 AM
Location		Tested for	
Building		Explorer SN#	
Date	10/5/2011	Test Time	



VFD Details

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Date		Test Time	



Test Result

Machine		small motor in class	
Database	Solution Factory SKF	Tested by	
Location	training class	Tested for	
Building	solution factory	Explorer SN#	10874
Test Date	10/5/2011	Test Time	12:59:17 AM

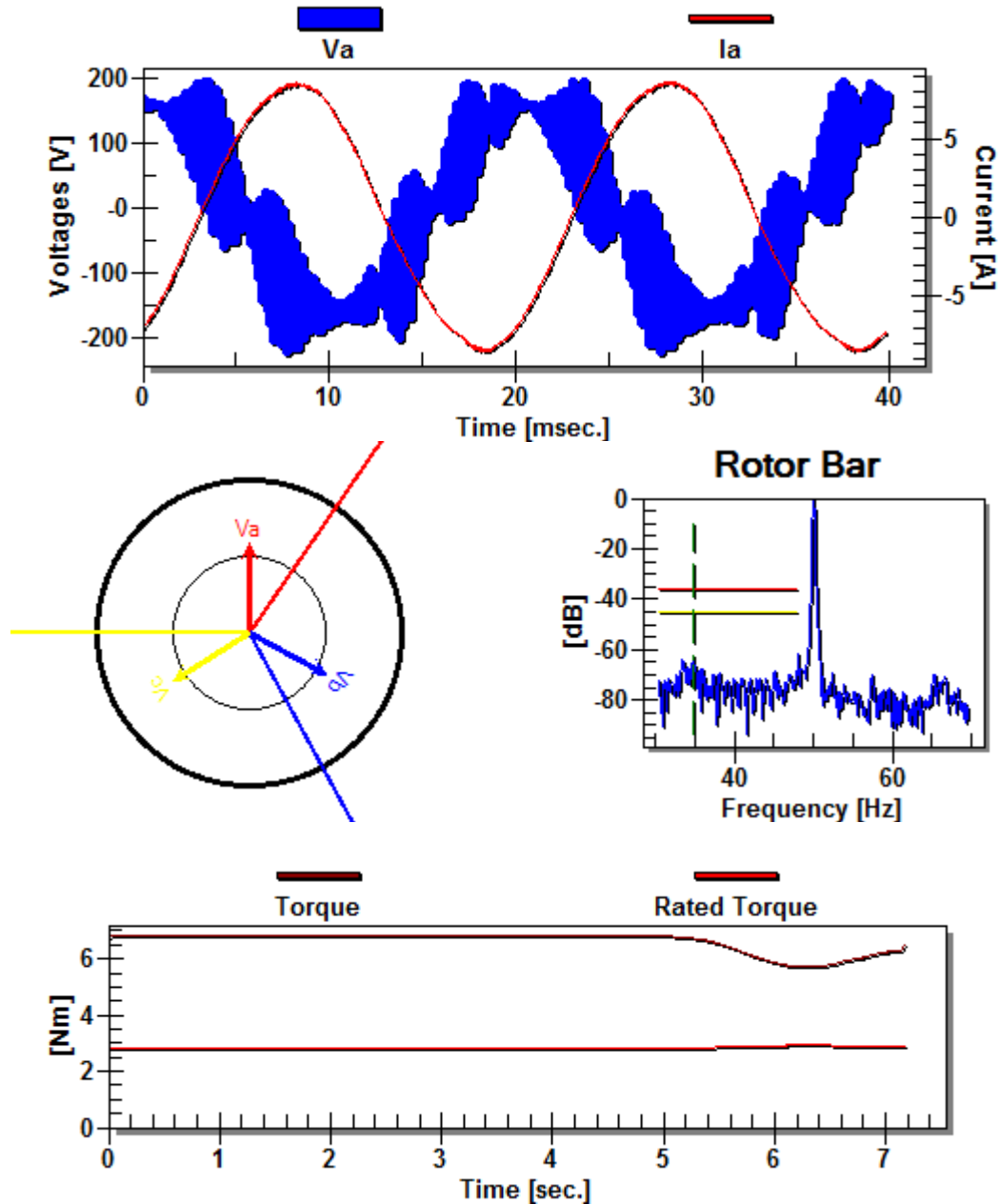
	Name Plate	Measured
Output Power [kW]	1.50	0.85
Speed [RPM]	1400	1266.11
RMS [V]	380	200.93
RMS [A]	3.63	5.92
Frequency [Hz]	50	50.01
pf [p.u.]	N/A	0.83
Nema Derating [p.u.]	1.0	0.97
Torque [Nm]	10.23	6.41
Efficiency	N/A	50.03
Percent Load	N/A	56.70

Test	Value	Status	Caut. Level	Warn. Level
Voltage Level [RMS V]	200.93	N/A	N/A	N/A
Voltage Unbalance [%]	1.96	Good	2.00	3.50
THD [% of fund.]	3.25	Good	7.00	9.00
Total Distortion [% of fund.]	3.20	Good	10.00	12.00
Current Level [%]	167.85	Warning	110.00	120.00
Current Unbalance [%]	3.73	Good	10.00	20.00
Load [%]	56.70	Good	110.00	125.00
Ef. Service Factor [p.u.]	0.59	Good	1.10	1.25
Rotor Bar [db]	-64.87	Good	-45.00	-36.00
Op. Point [%]	0.00	Good	20.00	30.00

Notes:

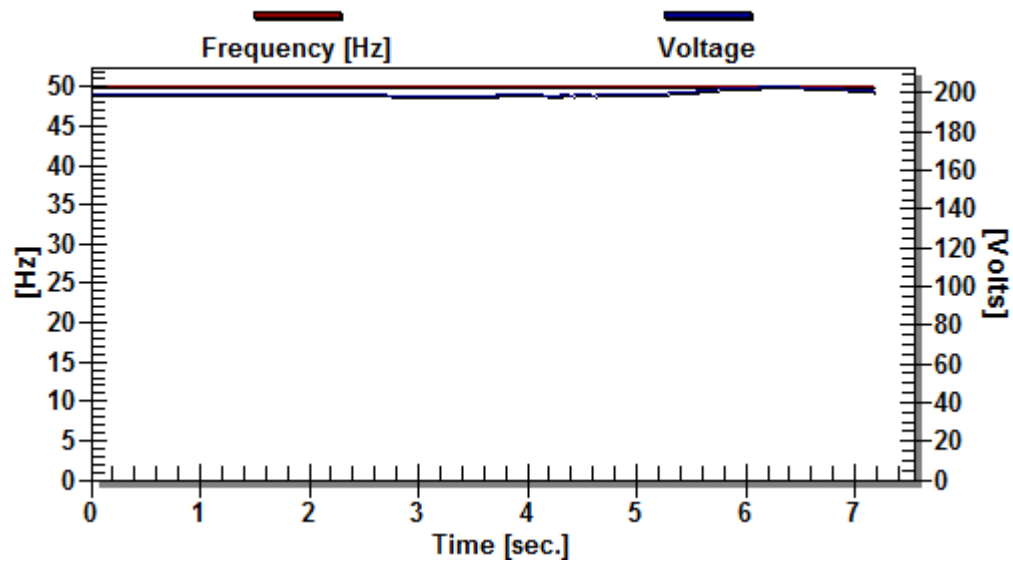
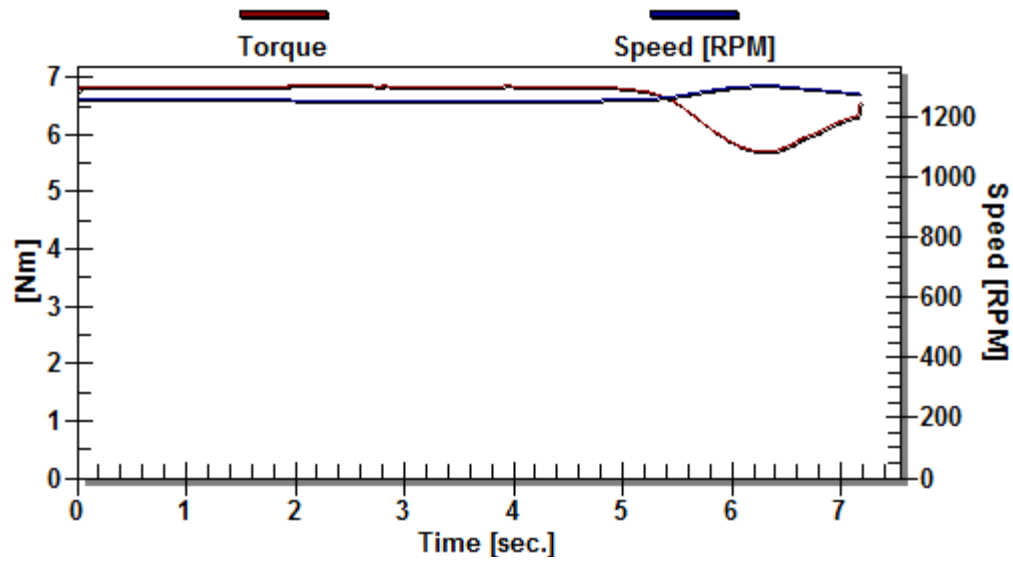
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Location		Tested for	
Building		Explorer SN#	
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VFD Details

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Location	training class	Tested for	
Building	solution factory	Explorer SN#	10874
Date	10/5/2011	Test Time	12:59:17 AM



Test Result

Machine		small motor in class	
Database	Solution Factory SKF	Tested by	
Location	training class	Tested for	
Building	solution factory	Explorer SN#	10874
Test Date	10/5/2011	Test Time	12:58:54 AM

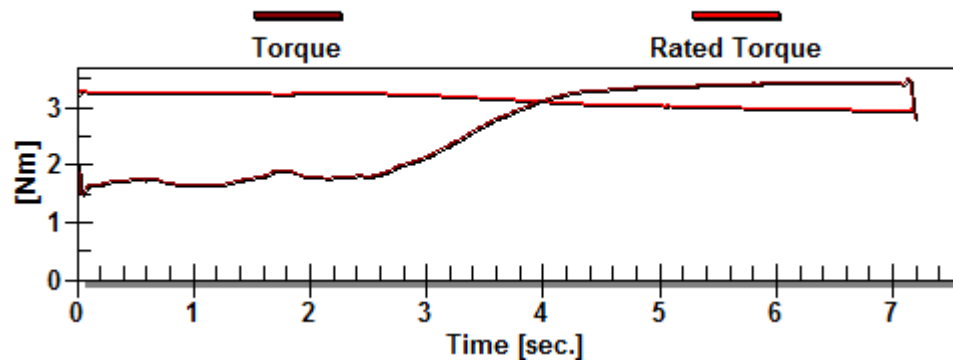
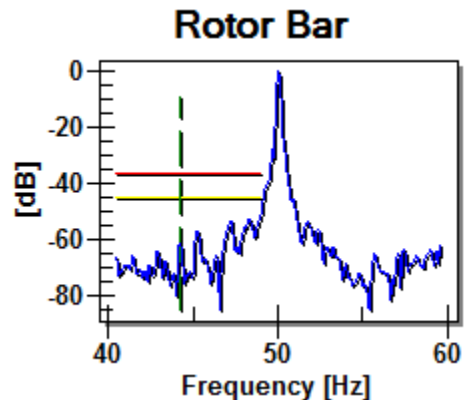
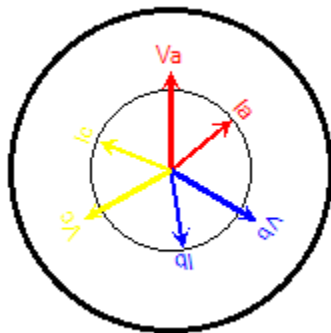
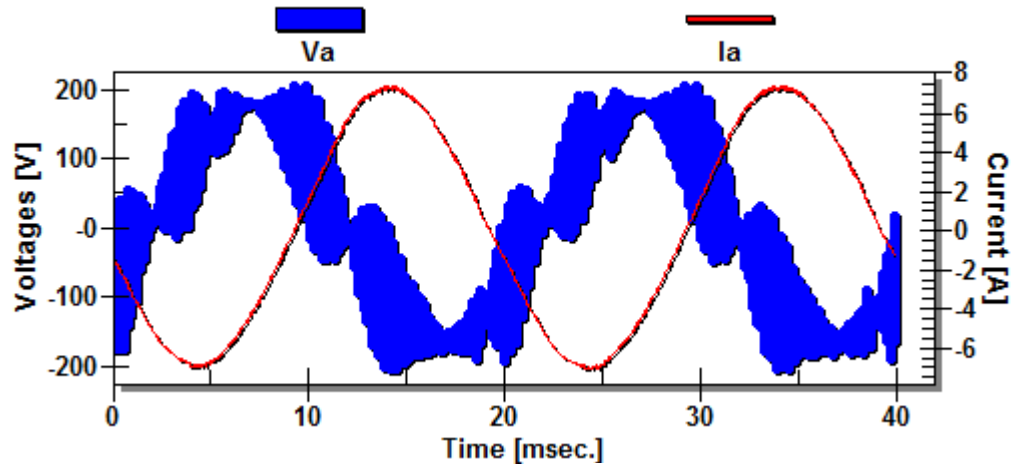
	Name Plate	Measured
Output Power [kW]	1.50	0.35
Speed [RPM]	1400	1416.07
RMS [V]	380	212.66
RMS [A]	3.63	1.56
Frequency [Hz]	50	50.01
pf [p.u.]	N/A	0.74
Nema Derating [p.u.]	1.0	1.00
Torque [Nm]	10.23	2.34
Efficiency	N/A	81.71
Percent Load	N/A	23.17

Test	Value	Status	Caut. Level	Warn. Level
Voltage Level [RMS V]	212.66	N/A	N/A	N/A
Voltage Unbalance [%]	0.52	Good	2.00	3.50
THD [% of fund.]	2.78	Good	7.00	9.00
Total Distortion [% of fund.]	2.10	Good	10.00	12.00
Current Level [%]	43.62	Good	110.00	120.00
Current Unbalance [%]	1.40	Indet.	10.00	20.00
Load [%]	23.17	Good	110.00	125.00
Ef. Service Factor [p.u.]	0.23	Good	1.10	1.25
Rotor Bar [db]	-60.91	Good	-45.00	-36.00
Op. Point [%]	0.00	Good	20.00	30.00

Notes:

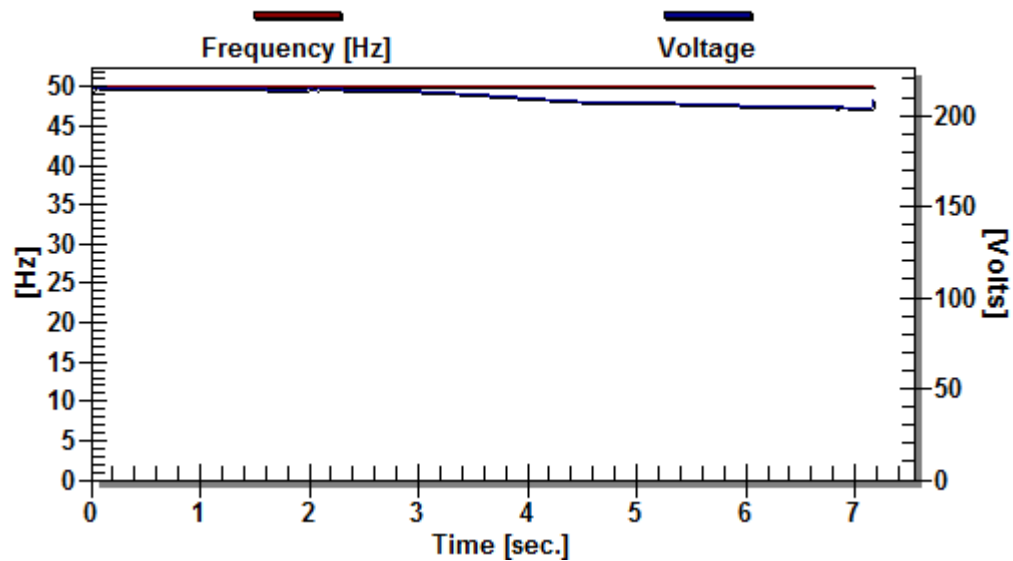
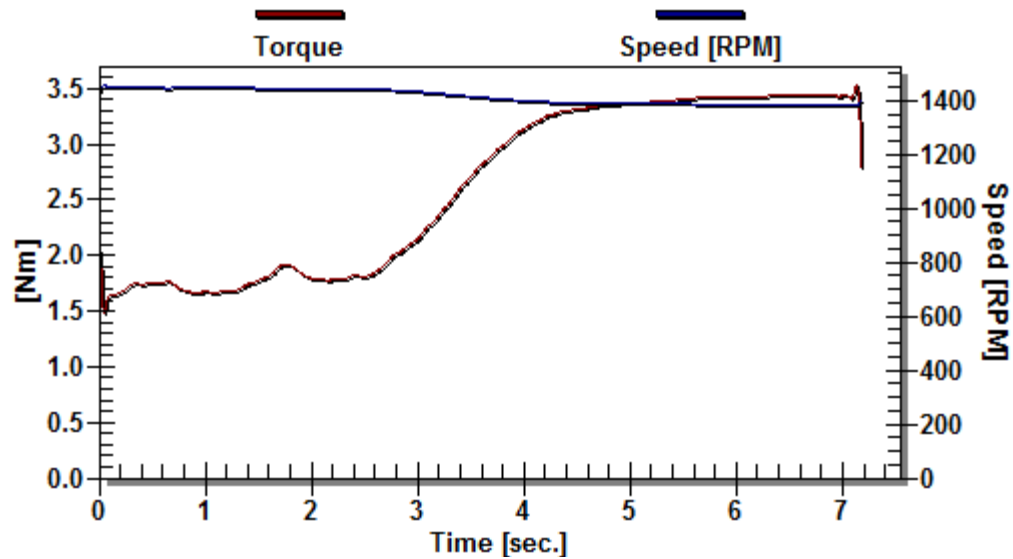
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Database	Solution Factory SKF training class solution factory 10/5/2011	Tested by	10874 12:58:54 AM
Location		Tested for	
Building		Explorer SN#	
Date		Test Time	



VFD Details

Machine		small motor in class	
Database	Solution Factory SKF	Tested by	
Location	training class	Tested for	
Building	solution factory	Explorer SN#	10874
Date	10/5/2011	Test Time	12:58:54 AM



Test Result

Machine		small motor in class	
Database	Solution Factory SKF	Tested by	
Location	training class	Tested for	
Building	solution factory	Explorer SN#	10874
Test Date	10/5/2011	Test Time	12:57:29 AM

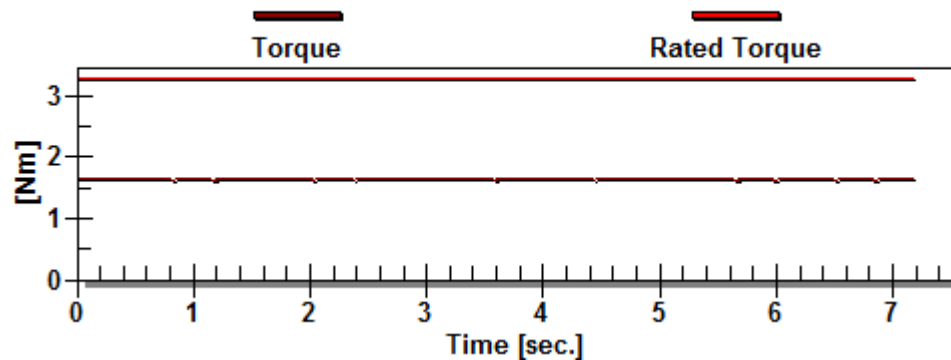
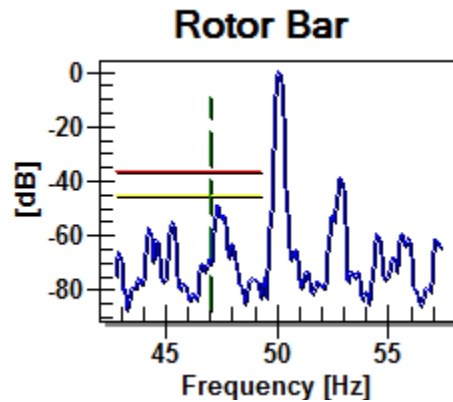
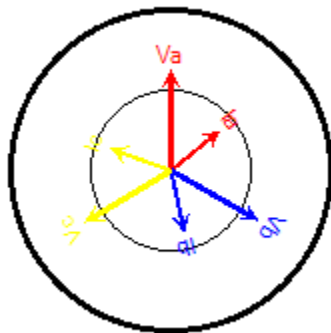
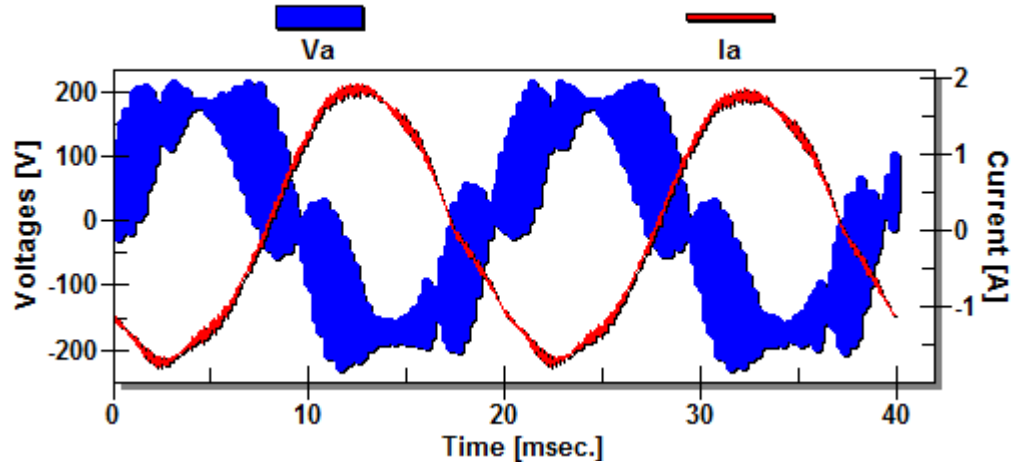
	Name Plate	Measured
Output Power [kW]	1.50	0.25
Speed [RPM]	1400	1450.49
RMS [V]	380	216.55
RMS [A]	3.63	1.23
Frequency [Hz]	50	50.01
pf [p.u.]	N/A	0.64
Nema Derating [p.u.]	1.0	1.00
Torque [Nm]	10.23	1.65
Efficiency	N/A	84.18
Percent Load	N/A	16.67

Test	Value	Status	Caut. Level	Warn. Level
Voltage Level [RMS V]	216.55	N/A	N/A	N/A
Voltage Unbalance [%]	0.61	Good	2.00	3.50
THD [% of fund.]	2.00	Good	7.00	9.00
Total Distortion [% of fund.]	2.07	Good	10.00	12.00
Current Level [%]	34.61	Good	110.00	120.00
Current Unbalance [%]	2.04	Indet.	10.00	20.00
Load [%]	16.67	Good	110.00	125.00
Ef. Service Factor [p.u.]	0.17	Good	1.10	1.25
Rotor Bar [db]	-68.66	Good	-45.00	-36.00
Op. Point [%]	0.00	Good	20.00	30.00

Notes:

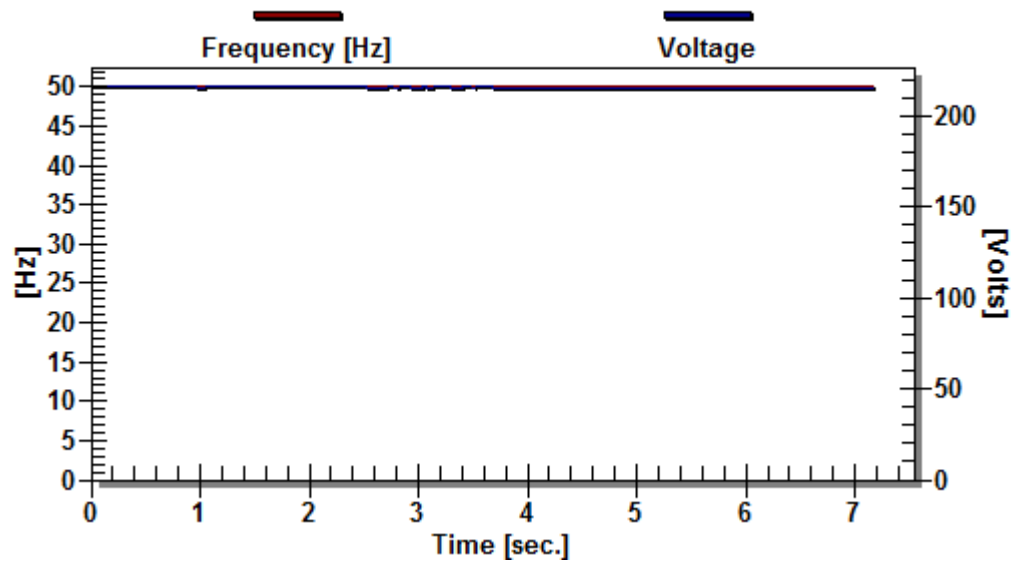
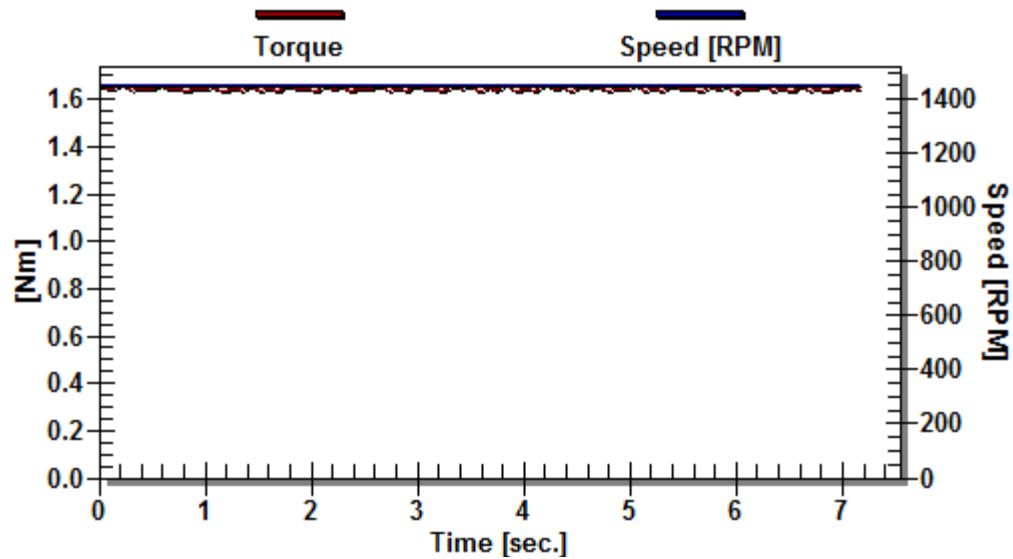
Test Details

Machine		small motor in class	
Database	Solution Factory SKF training class solution factory 10/5/2011	Tested by	10874 12:57:29 AM
Location		Tested for	
Building		Explorer SN#	
Date		Test Time	



VFD Details

Machine		small motor in class	
Database	Solution Factory SKF	Tested by	
Location	training class	Tested for	
Building	solution factory	Explorer SN#	10874
Date	10/5/2011	Test Time	12:57:29 AM



Test Result

Machine		small motor in class	
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Building	solution factory	Explorer SN#	10874
Test Date	10/5/2011	Test Time	12:53:41 AM

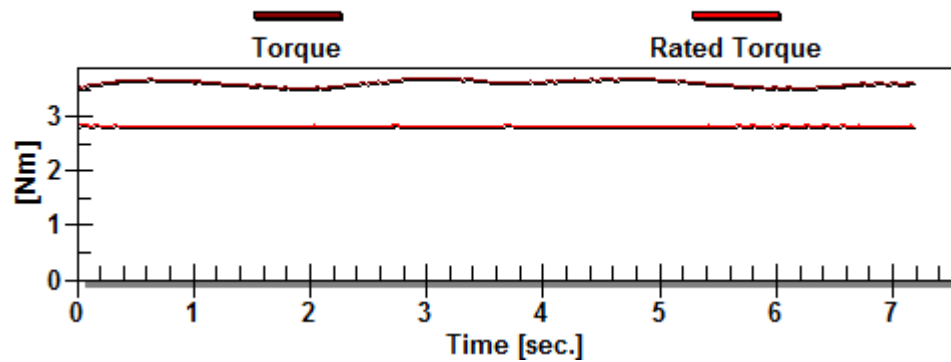
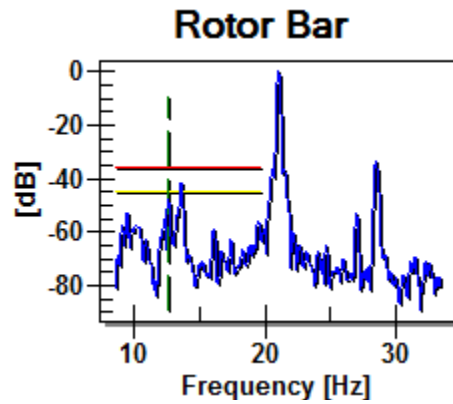
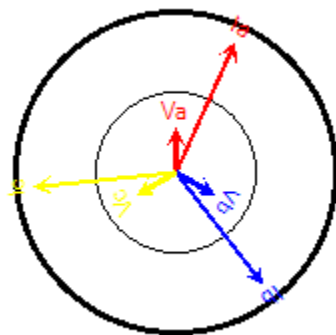
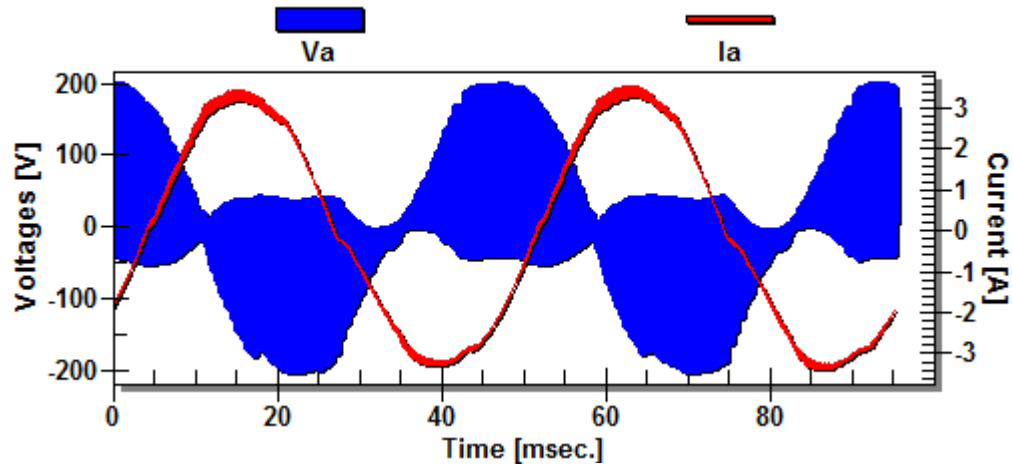
	Name Plate	Measured
Output Power [kW]	1.50	0.18
Speed [RPM]	1400	502.42
RMS [V]	380	84.81
RMS [A]	3.63	3.03
Frequency [Hz]	50	21.00
pf [p.u.]	N/A	0.92
Nema Derating [p.u.]	1.0	1.00
Torque [Nm]	10.23	3.36
Efficiency	N/A	43.33
Percent Load	N/A	11.78

Test	Value	Status	Caut. Level	Warn. Level
Voltage Level [RMS V]	84.81	N/A	N/A	N/A
Voltage Unbalance [%]	0.21	Good	2.00	3.50
THD [% of fund.]	9.70	Warning	7.00	9.00
Total Distortion [% of fund.]	10.65	Caution	10.00	12.00
Current Level [%]	83.72	Good	110.00	120.00
Current Unbalance [%]	0.82	Indet.	10.00	20.00
Load [%]	11.78	Good	110.00	125.00
Ef. Service Factor [p.u.]	0.12	Good	1.10	1.25
Rotor Bar [db]	-47.32	Good	-45.00	-36.00
Op. Point [%]	0.00	Good	20.00	30.00

Notes:

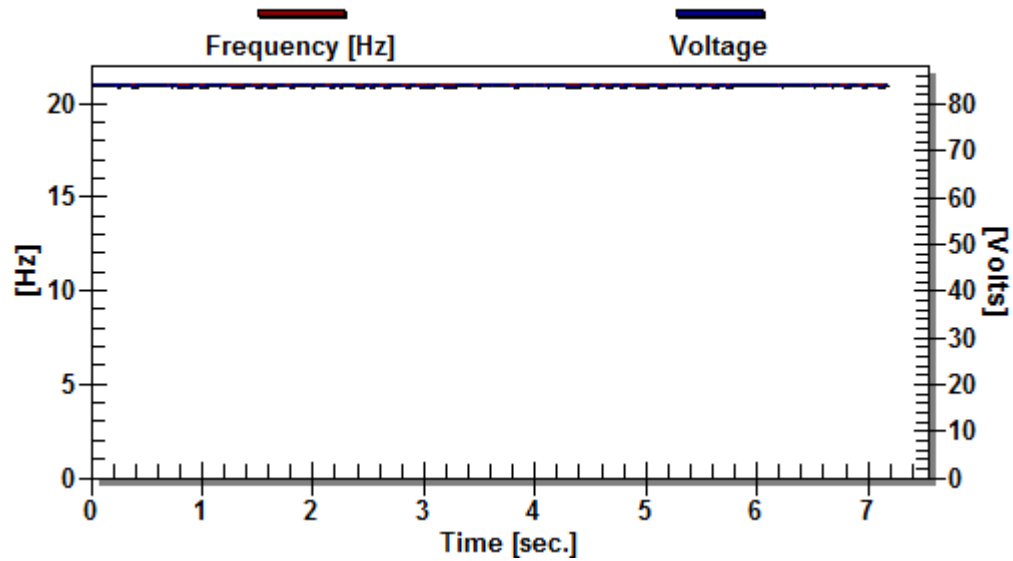
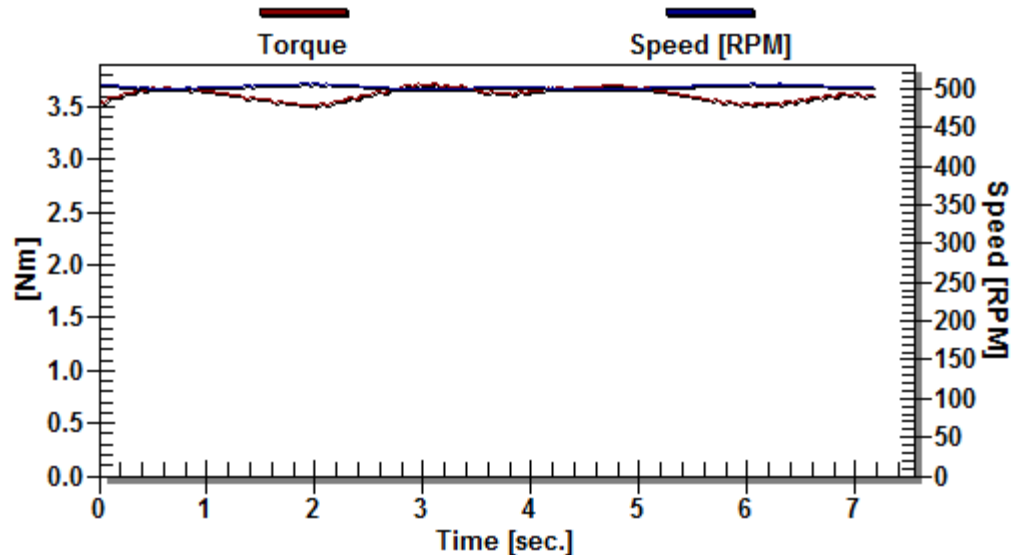
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Machine		small motor in class	
Database	Solution Factory SKF training class solution factory 10/5/2011	Tested by	10874 12:53:41 AM
Location		Tested for	
Building		Explorer SN#	
Date		Test Time	



VFD Details

Machine		small motor in class	
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Location	training class	Tested for	
Building	solution factory	Explorer SN#	10874
Date	10/5/2011	Test Time	12:53:41 AM



Test Result

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Location	training class	Tested for	
Building	solution factory	Explorer SN#	10874
Test Date	10/5/2011	Test Time	12:53:18 AM

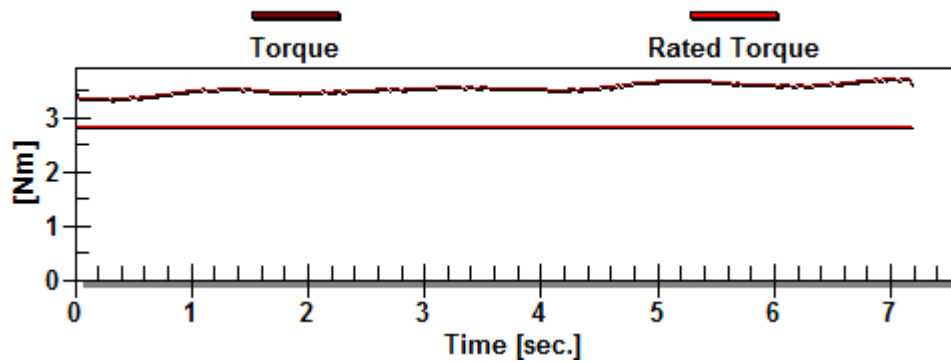
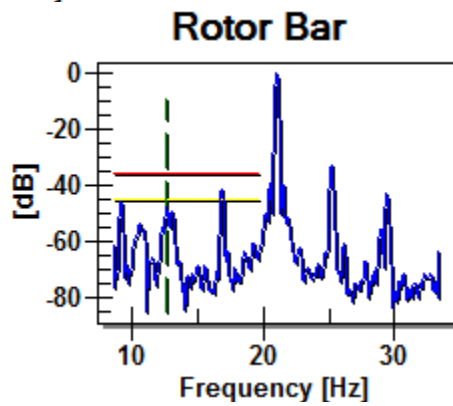
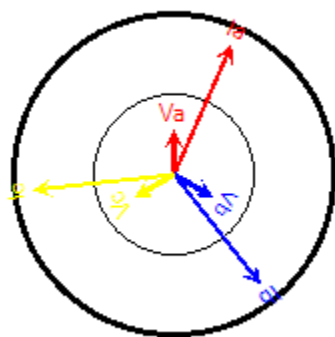
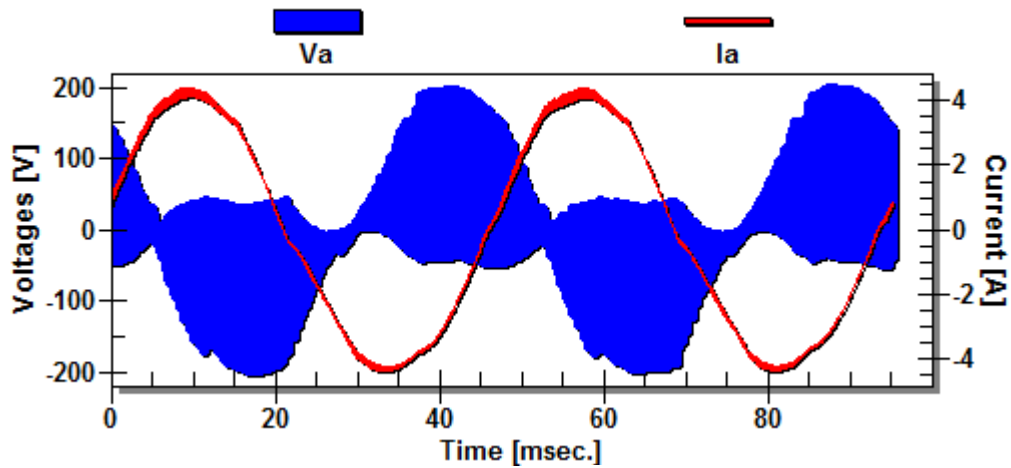
	Name Plate	Measured
Output Power [kW]	1.50	0.18
Speed [RPM]	1400	504.70
RMS [V]	380	84.83
RMS [A]	3.63	2.98
Frequency [Hz]	50	21.01
pf [p.u.]	N/A	0.92
Nema Derating [p.u.]	1.0	1.00
Torque [Nm]	10.23	3.34
Efficiency	N/A	43.97
Percent Load	N/A	11.78

Test	Value	Status	Caut. Level	Warn. Level
Voltage Level [RMS V]	84.83	N/A	N/A	N/A
Voltage Unbalance [%]	0.24	Good	2.00	3.50
THD [% of fund.]	10.34	Warning	7.00	9.00
Total Distortion [% of fund.]	10.62	Caution	10.00	12.00
Current Level [%]	82.56	Good	110.00	120.00
Current Unbalance [%]	0.82	Indet.	10.00	20.00
Load [%]	11.78	Good	110.00	125.00
Ef. Service Factor [p.u.]	0.12	Good	1.10	1.25
Rotor Bar [db]	-47.95	Good	-45.00	-36.00
Op. Point [%]	0.00	Good	20.00	30.00

Notes:

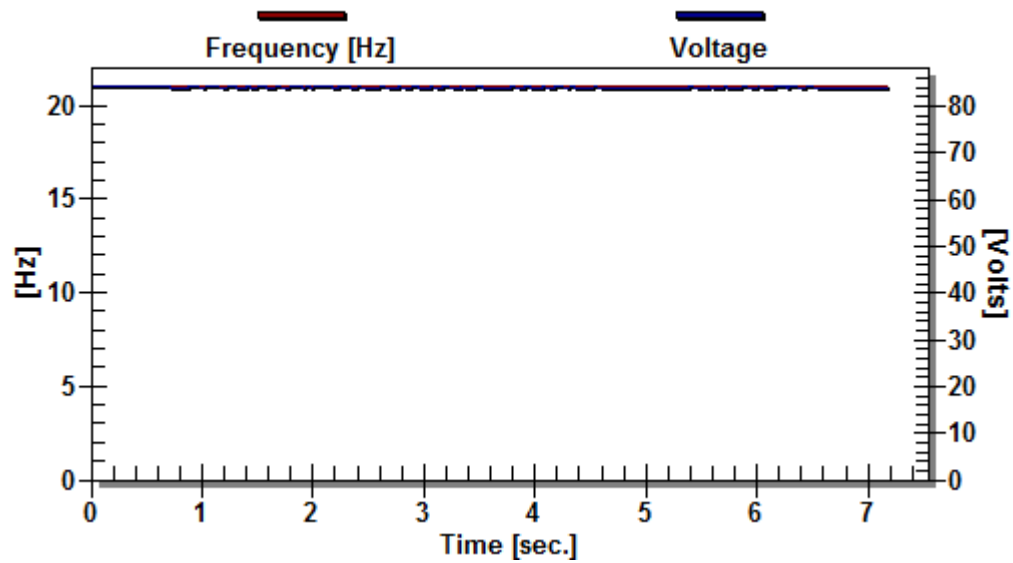
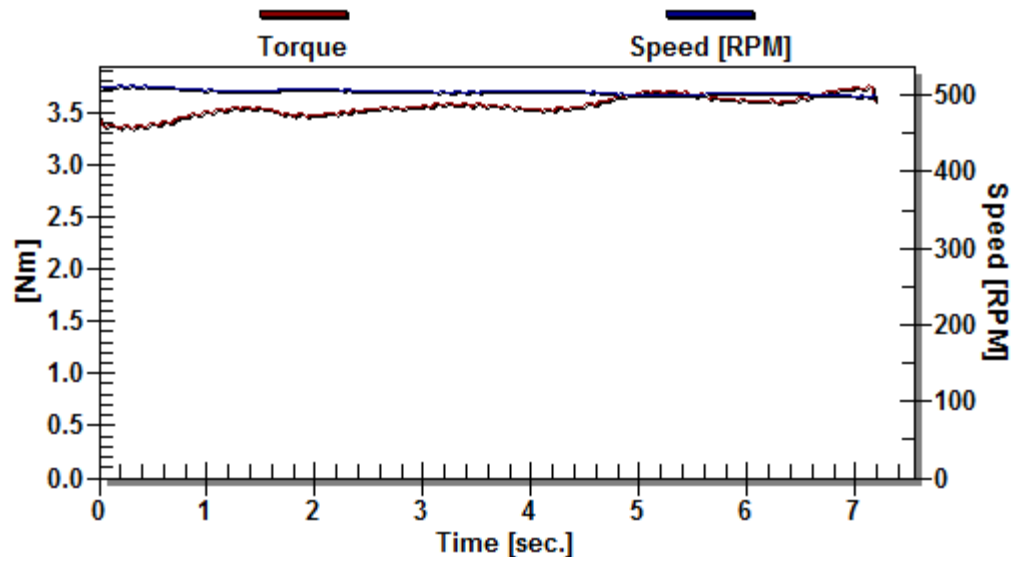
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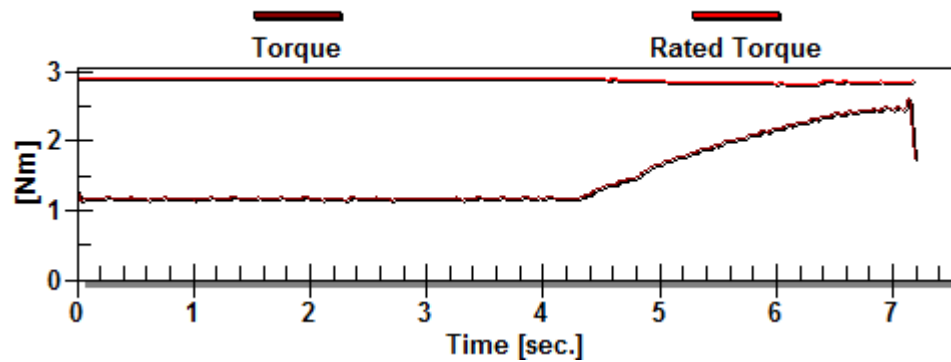
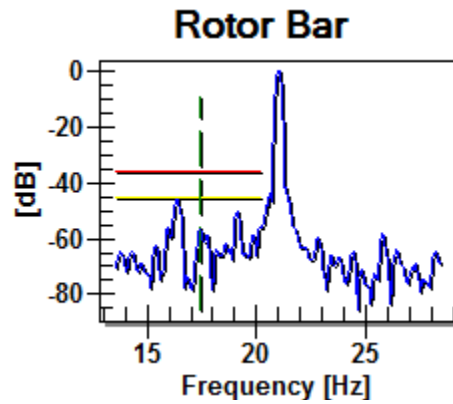
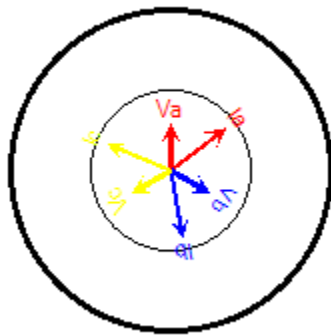
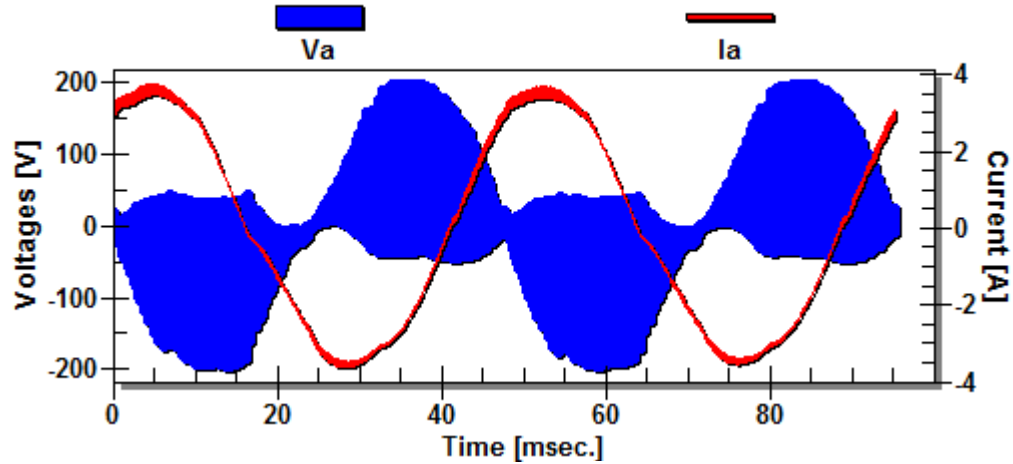
	Name Plate	Measured
Output Power [kW]	1.50	0.08
Speed [RPM]	1400	577.95
RMS [V]	380	85.66
RMS [A]	3.63	1.34
Frequency [Hz]	50	21.00
pf [p.u.]	N/A	0.67
Nema Derating [p.u.]	1.0	1.00
Torque [Nm]	10.23	1.40
Efficiency	N/A	63.68
Percent Load	N/A	5.66

Test	Value	Status	Caut. Level	Warn. Level
Voltage Level [RMS V]	85.66	N/A	N/A	N/A
Voltage Unbalance [%]	0.25	Good	2.00	3.50
THD [% of fund.]	9.95	Warning	7.00	9.00
Total Distortion [% of fund.]	10.07	Caution	10.00	12.00
Current Level [%]	37.24	Good	110.00	120.00
Current Unbalance [%]	1.01	Indet.	10.00	20.00
Load [%]	5.66	Good	110.00	125.00
Ef. Service Factor [p.u.]	0.06	Good	1.10	1.25
Rotor Bar [db]	-56.63	Good	-45.00	-36.00
Op. Point [%]	0.00	Good	20.00	30.00

Notes:

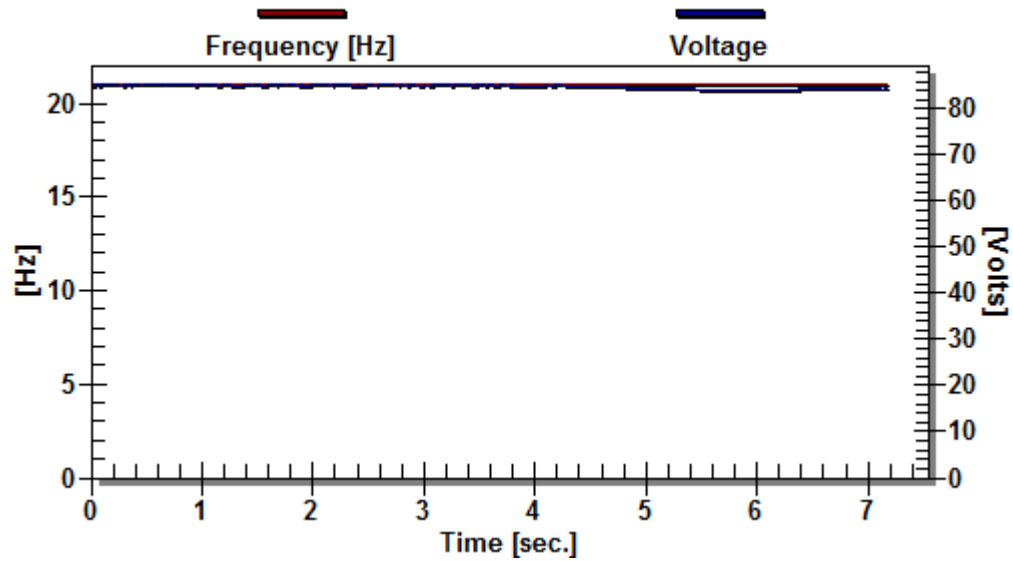
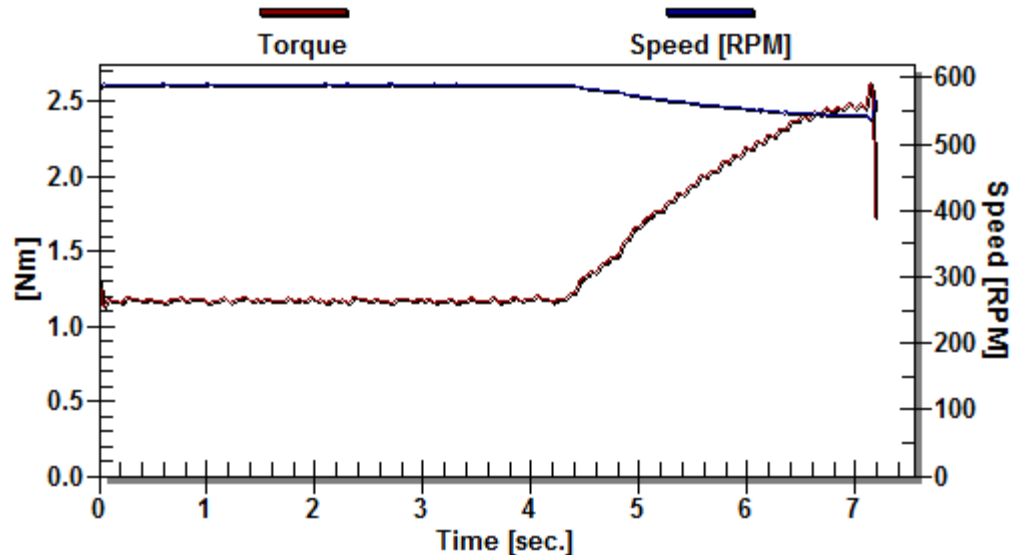
Test Details

Machine		small motor in class	
Database	Solution Factory SKF training class solution factory 10/5/2011	Tested by	10874 12:52:55 AM
Location		Tested for	
Building		Explorer SN#	
Date		Test Time	



VFD Details

Machine		small motor in class	
Database	Solution Factory SKF	Tested by	
Location	training class	Tested for	
Building	solution factory	Explorer SN#	10874
Date	10/5/2011	Test Time	12:52:55 AM



Test Result

Machine		small motor in class	
Database	Solution Factory SKF	Tested by	
Location	training class	Tested for	
Building	solution factory	Explorer SN#	10874
Test Date	10/5/2011	Test Time	12:46:56 AM

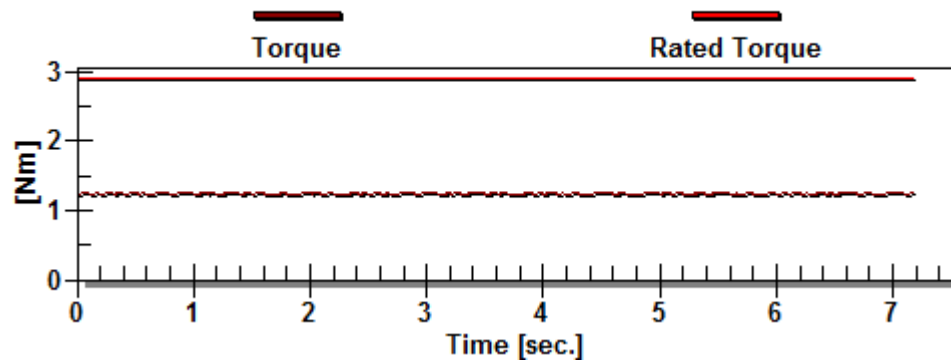
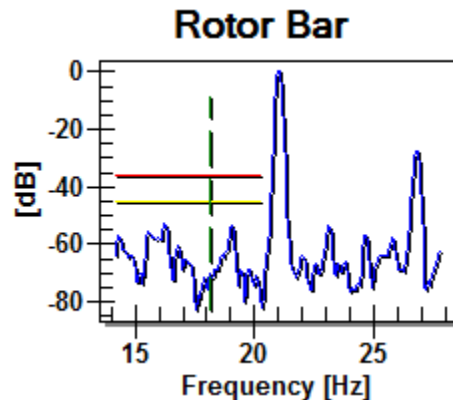
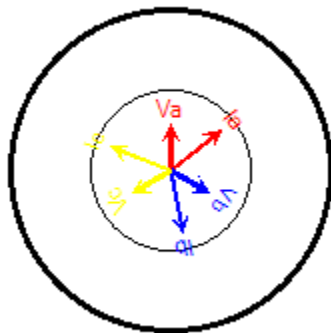
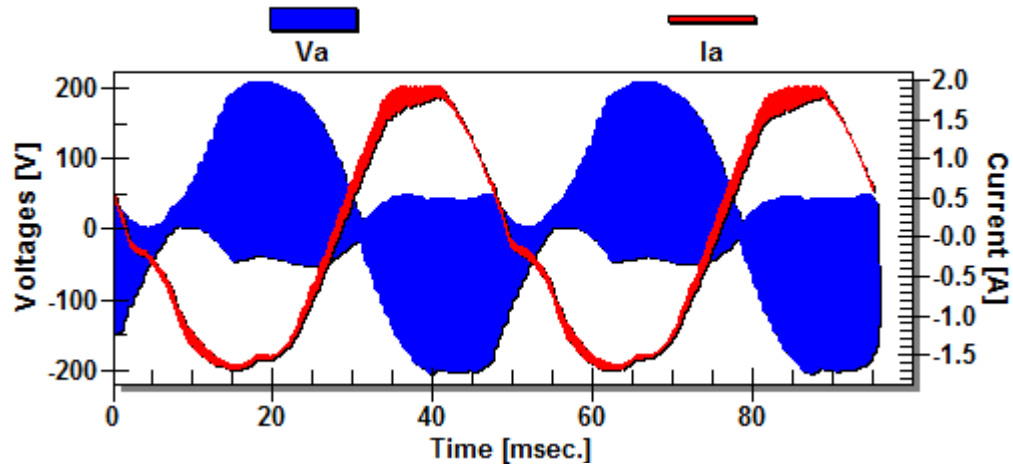
	Name Plate	Measured
Output Power [kW]	1.50	0.08
Speed [RPM]	1400	587.46
RMS [V]	380	85.82
RMS [A]	3.63	1.26
Frequency [Hz]	50	21.00
pf [p.u.]	N/A	0.63
Nema Derating [p.u.]	1.0	1.00
Torque [Nm]	10.23	1.23
Efficiency	N/A	64.40
Percent Load	N/A	5.04

Test	Value	Status	Caut. Level	Warn. Level
Voltage Level [RMS V]	85.82	N/A	N/A	N/A
Voltage Unbalance [%]	0.26	Good	2.00	3.50
THD [% of fund.]	9.74	Warning	7.00	9.00
Total Distortion [% of fund.]	10.08	Caution	10.00	12.00
Current Level [%]	34.85	Good	110.00	120.00
Current Unbalance [%]	1.24	Indet.	10.00	20.00
Load [%]	5.04	Good	110.00	125.00
Ef. Service Factor [p.u.]	0.05	Good	1.10	1.25
Rotor Bar [db]	-70.15	Good	-45.00	-36.00
Op. Point [%]	0.00	Good	20.00	30.00

Notes:

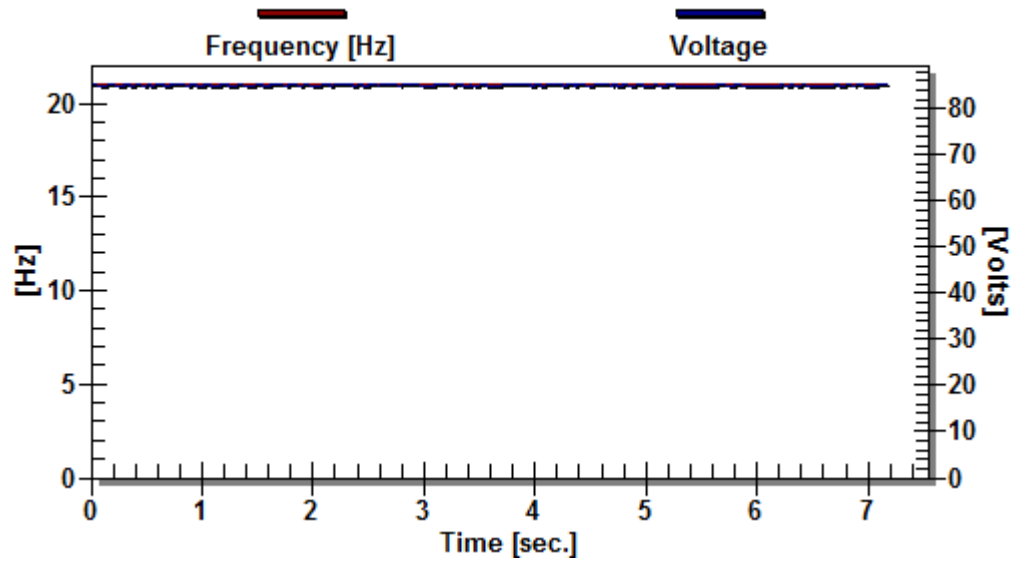
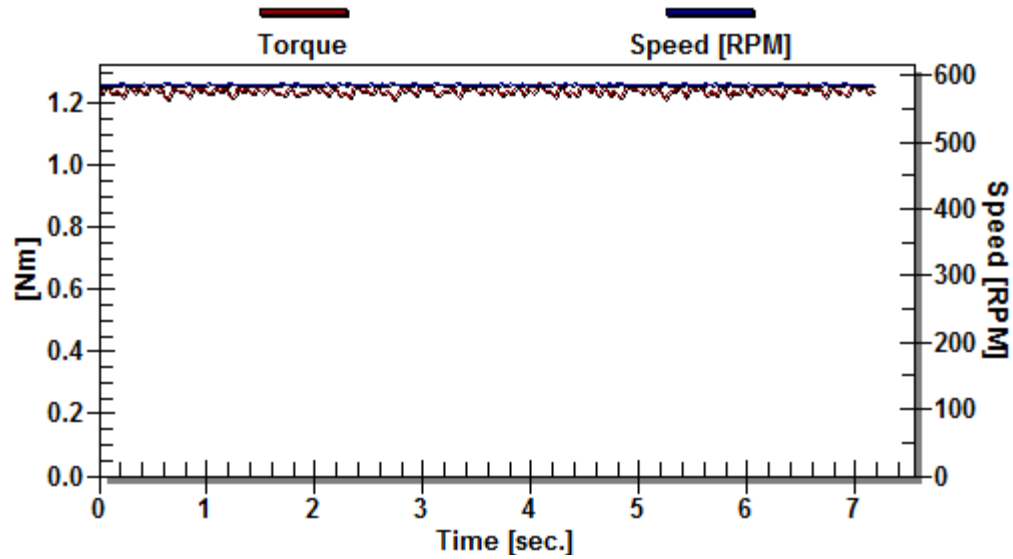
Test Details

Machine		small motor in class	
Database	Solution Factory SKF training class solution factory 10/5/2011	Tested by	10874 12:46:56 AM
Location		Tested for	
Building		Explorer SN#	
Date		Test Time	



VFD Details

Machine		small motor in class	
Database	Solution Factory SKF training class solution factory 10/5/2011	Tested by	10874 12:46:56 AM
Location		Tested for	
Building		Explorer SN#	
Date		Test Time	



Test Result

Machine		small motor in class	
Database	Solution Factory SKF	Tested by	
Location	training class	Tested for	
Building	solution factory	Explorer SN#	10874
Test Date	10/5/2011	Test Time	12:46:33 AM

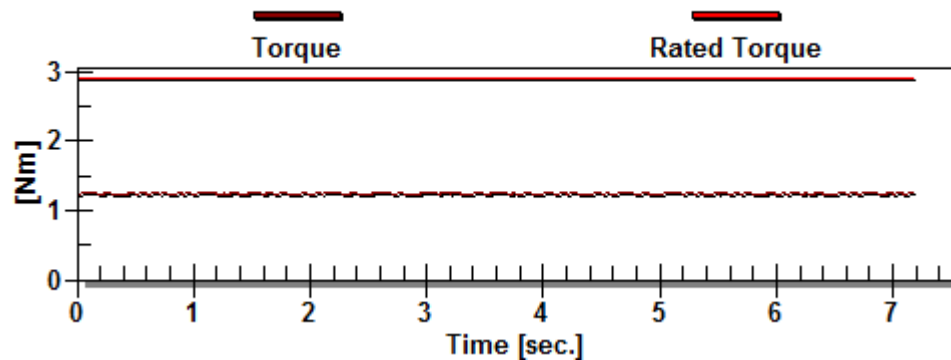
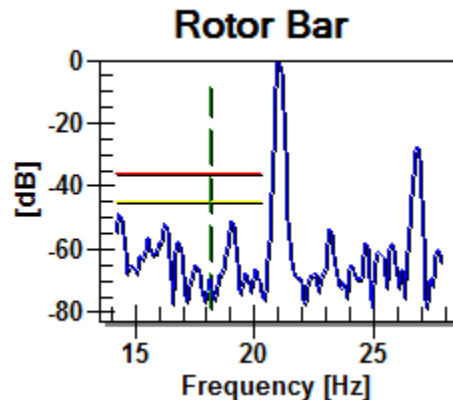
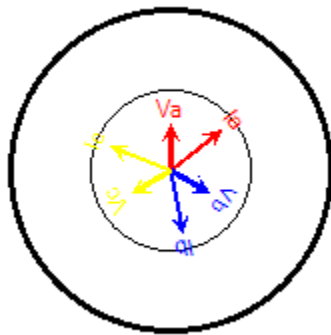
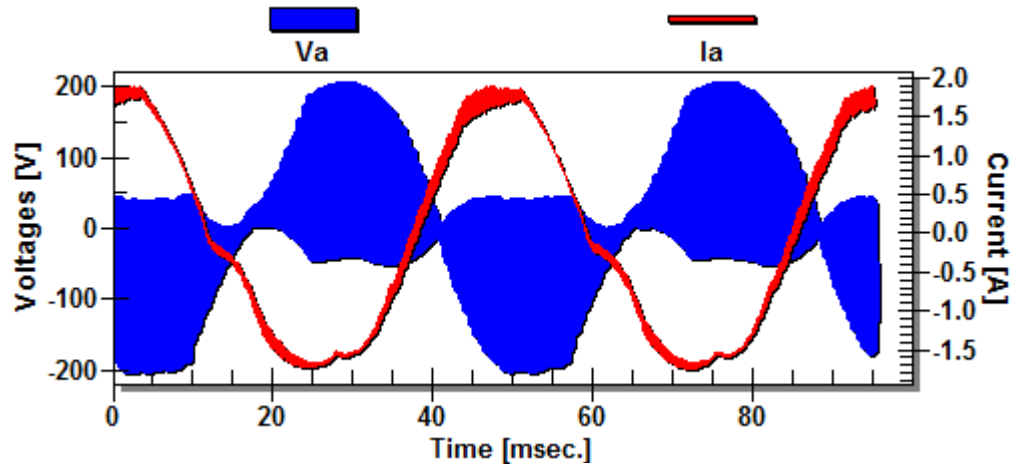
	Name Plate	Measured
Output Power [kW]	1.50	0.08
Speed [RPM]	1400	587.43
RMS [V]	380	85.81
RMS [A]	3.63	1.26
Frequency [Hz]	50	21.01
pf [p.u.]	N/A	0.63
Nema Derating [p.u.]	1.0	1.00
Torque [Nm]	10.23	1.23
Efficiency	N/A	64.40
Percent Load	N/A	5.04

Test	Value	Status	Caut. Level	Warn. Level
Voltage Level [RMS V]	85.81	N/A	N/A	N/A
Voltage Unbalance [%]	0.24	Good	2.00	3.50
THD [% of fund.]	9.72	Warning	7.00	9.00
Total Distortion [% of fund.]	10.09	Caution	10.00	12.00
Current Level [%]	34.86	Good	110.00	120.00
Current Unbalance [%]	1.26	Indet.	10.00	20.00
Load [%]	5.04	Good	110.00	125.00
Ef. Service Factor [p.u.]	0.05	Good	1.10	1.25
Rotor Bar [db]	-69.52	Good	-45.00	-36.00
Op. Point [%]	0.00	Good	20.00	30.00

Notes:

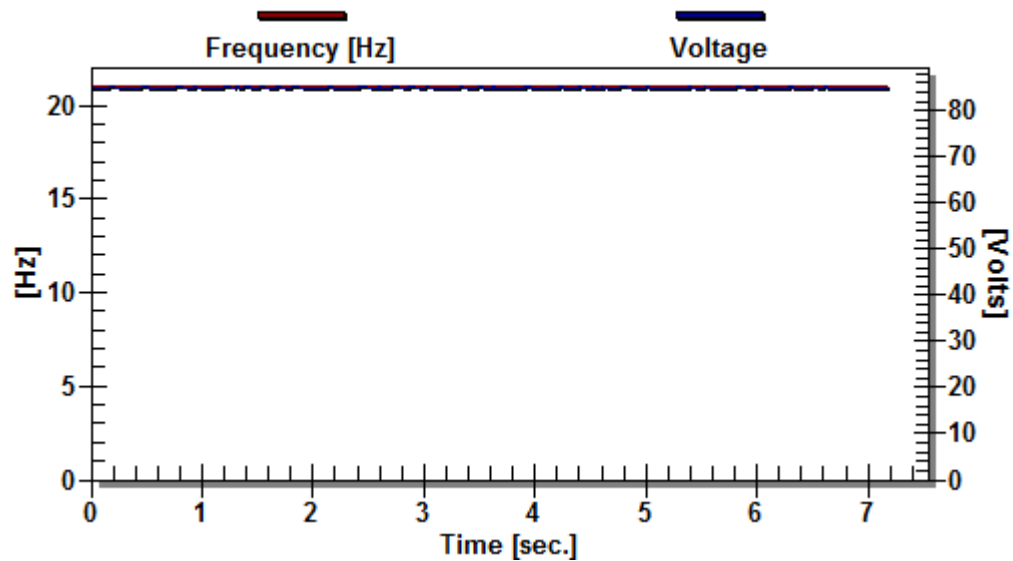
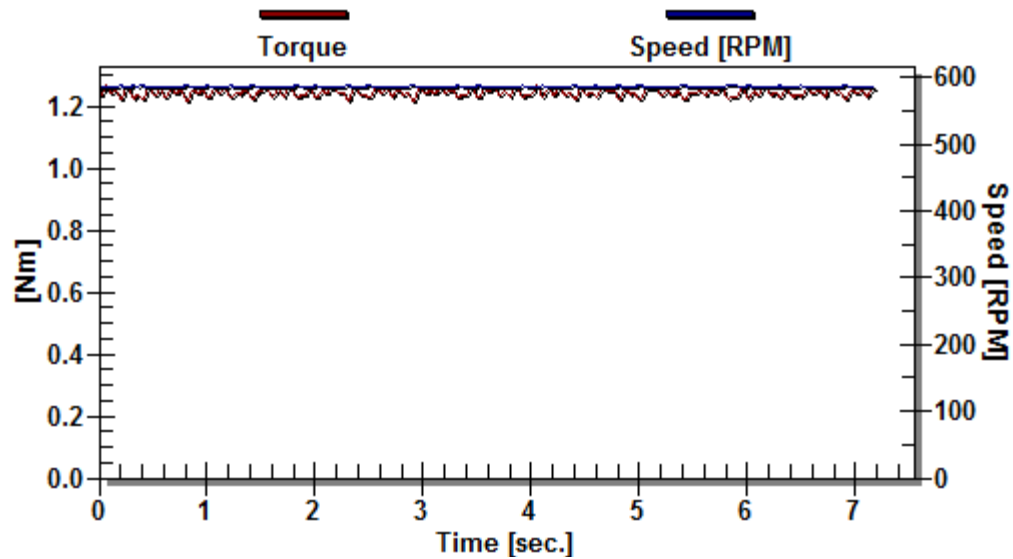
Test Details

Machine		small motor in class	
Database	Solution Factory SKF training class solution factory 10/5/2011	Tested by	10874 12:46:33 AM
Location		Tested for	
Building		Explorer SN#	
Date		Test Time	



VFD Details

Machine		small motor in class	
Database	Solution Factory SKF	Tested by	
Location	training class	Tested for	
Building	solution factory	Explorer SN#	10874
Date	10/5/2011	Test Time	12:46:33 AM



Test Result

Machine		small motor in class	
Database	Solution Factory SKF	Tested by	
Location	training class	Tested for	
Building	solution factory	Explorer SN#	10874
Test Date	10/5/2011	Test Time	12:46:10 AM

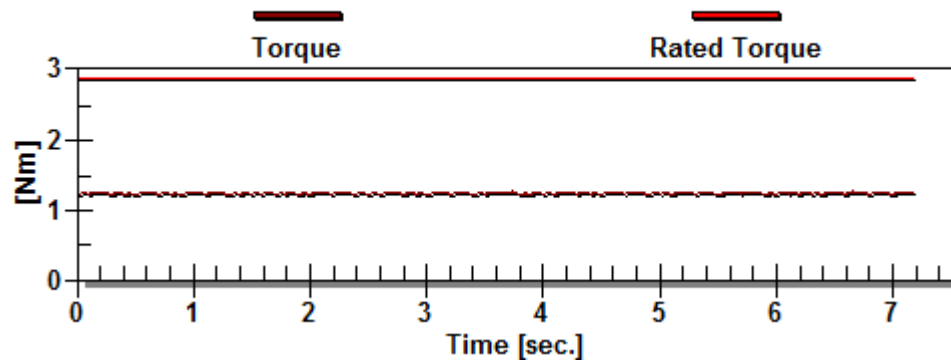
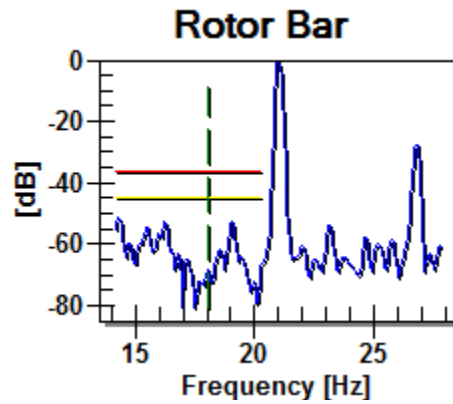
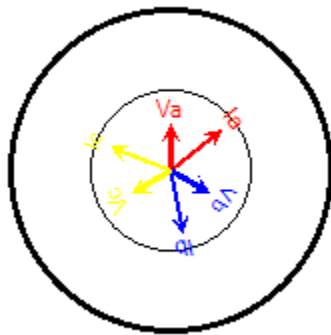
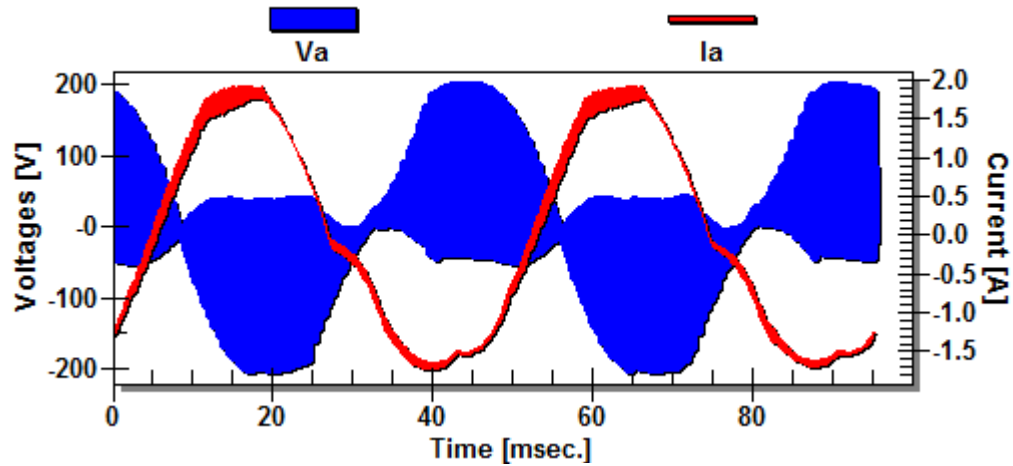
	Name Plate	Measured
Output Power [kW]	1.50	0.08
Speed [RPM]	1400	587.33
RMS [V]	380	85.82
RMS [A]	3.63	1.26
Frequency [Hz]	50	21.01
pf [p.u.]	N/A	0.63
Nema Derating [p.u.]	1.0	1.00
Torque [Nm]	10.23	1.23
Efficiency	N/A	64.40
Percent Load	N/A	5.06

Test	Value	Status	Caut. Level	Warn. Level
Voltage Level [RMS V]	85.82	N/A	N/A	N/A
Voltage Unbalance [%]	0.23	Good	2.00	3.50
THD [% of fund.]	9.71	Warning	7.00	9.00
Total Distortion [% of fund.]	10.09	Caution	10.00	12.00
Current Level [%]	34.91	Good	110.00	120.00
Current Unbalance [%]	1.25	Indet.	10.00	20.00
Load [%]	5.06	Good	110.00	125.00
Ef. Service Factor [p.u.]	0.05	Good	1.10	1.25
Rotor Bar [db]	-68.26	Good	-45.00	-36.00
Op. Point [%]	0.00	Good	20.00	30.00

Notes:

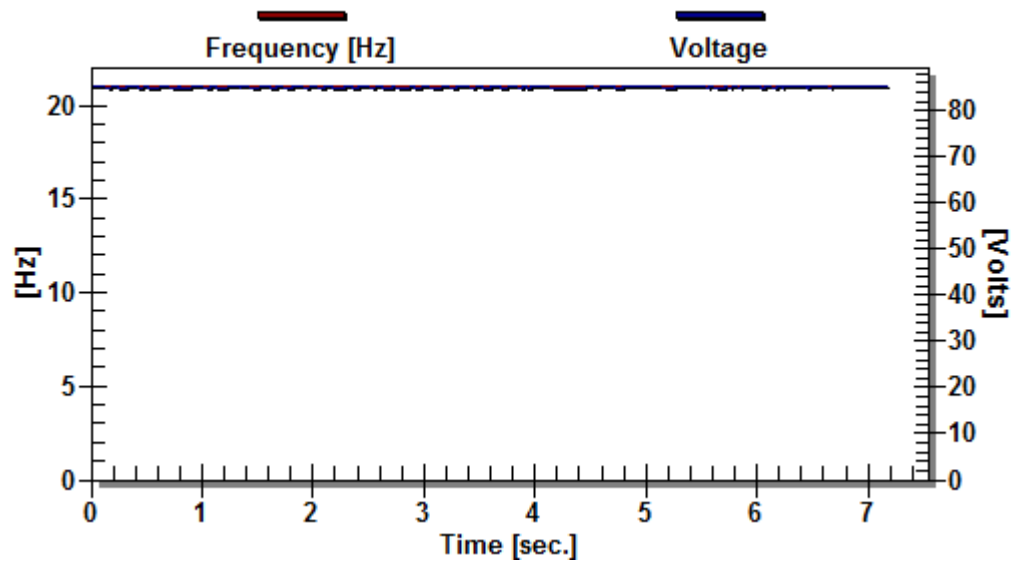
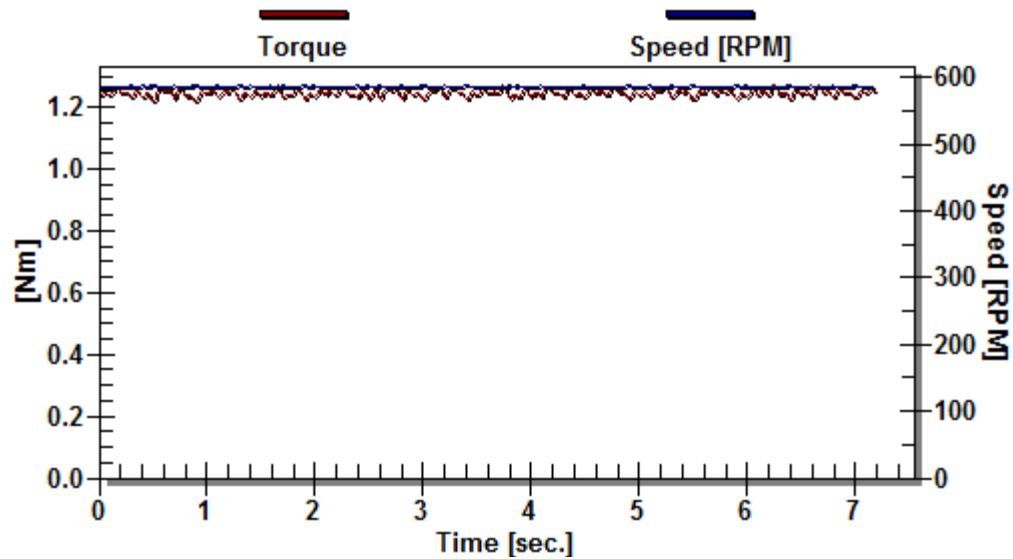
Test Details

Machine		small motor in class	
Database	Solution Factory SKF training class solution factory 10/5/2011	Tested by	10874 12:46:10 AM
Location		Tested for	
Building		Explorer SN#	
Date		Test Time	



VFD Details

Machine		small motor in class	
Database	Solution Factory SKF training class solution factory 10/5/2011	Tested by	10874 12:46:10 AM
Location		Tested for	
Building		Explorer SN#	
Date		Test Time	



Test Result

Machine		small motor in class	
Database	Solution Factory SKF	Tested by	
Location	training class	Tested for	
Building	solution factory	Explorer SN#	10874
Test Date	10/5/2011	Test Time	12:45:47 AM

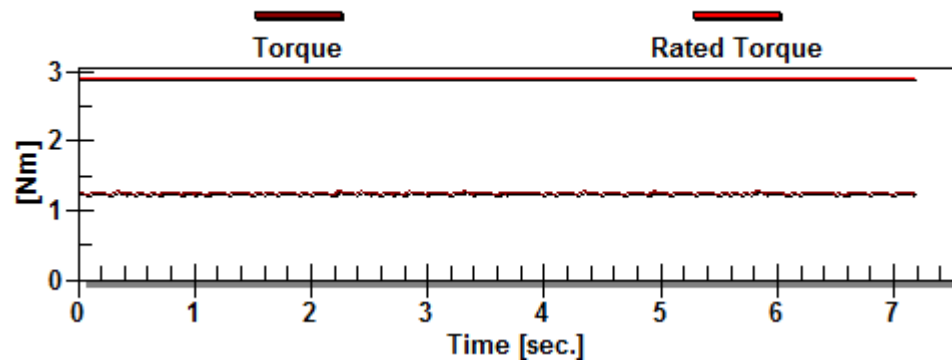
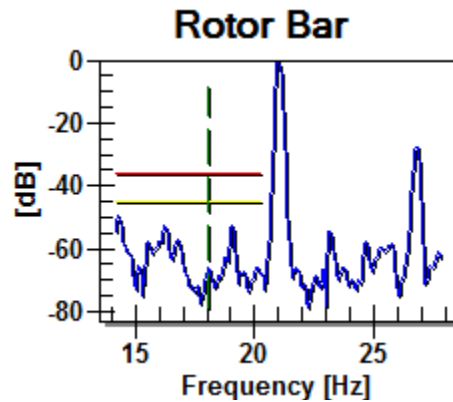
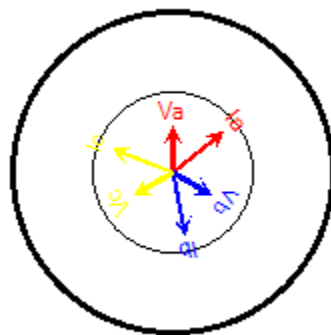
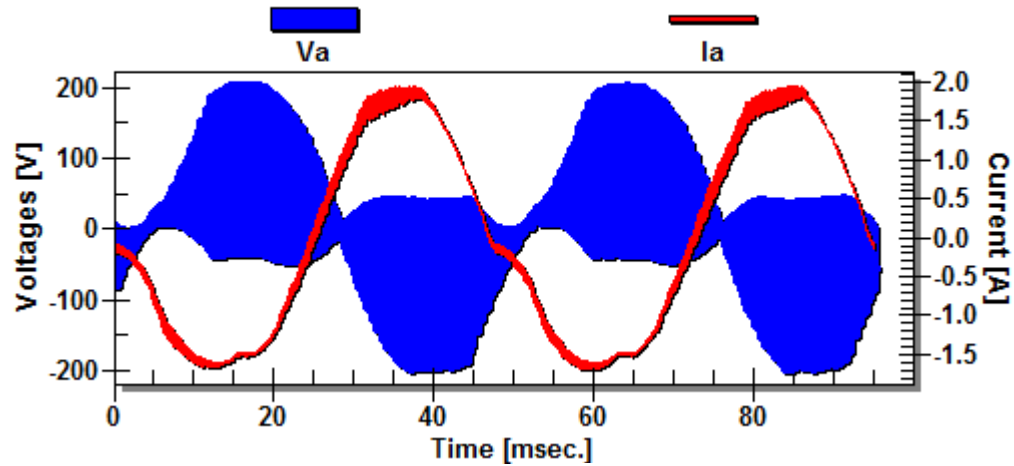
	Name Plate	Measured
Output Power [kW]	1.50	0.08
Speed [RPM]	1400	587.23
RMS [V]	380	85.81
RMS [A]	3.63	1.26
Frequency [Hz]	50	21.00
pf [p.u.]	N/A	0.63
Nema Derating [p.u.]	1.0	1.00
Torque [Nm]	10.23	1.24
Efficiency	N/A	64.41
Percent Load	N/A	5.07

Test	Value	Status	Caut. Level	Warn. Level
Voltage Level [RMS V]	85.81	N/A	N/A	N/A
Voltage Unbalance [%]	0.24	Good	2.00	3.50
THD [% of fund.]	9.73	Warning	7.00	9.00
Total Distortion [% of fund.]	10.08	Caution	10.00	12.00
Current Level [%]	34.94	Good	110.00	120.00
Current Unbalance [%]	1.23	Indet.	10.00	20.00
Load [%]	5.07	Good	110.00	125.00
Ef. Service Factor [p.u.]	0.05	Good	1.10	1.25
Rotor Bar [db]	-66.03	Good	-45.00	-36.00
Op. Point [%]	0.00	Good	20.00	30.00

Notes:

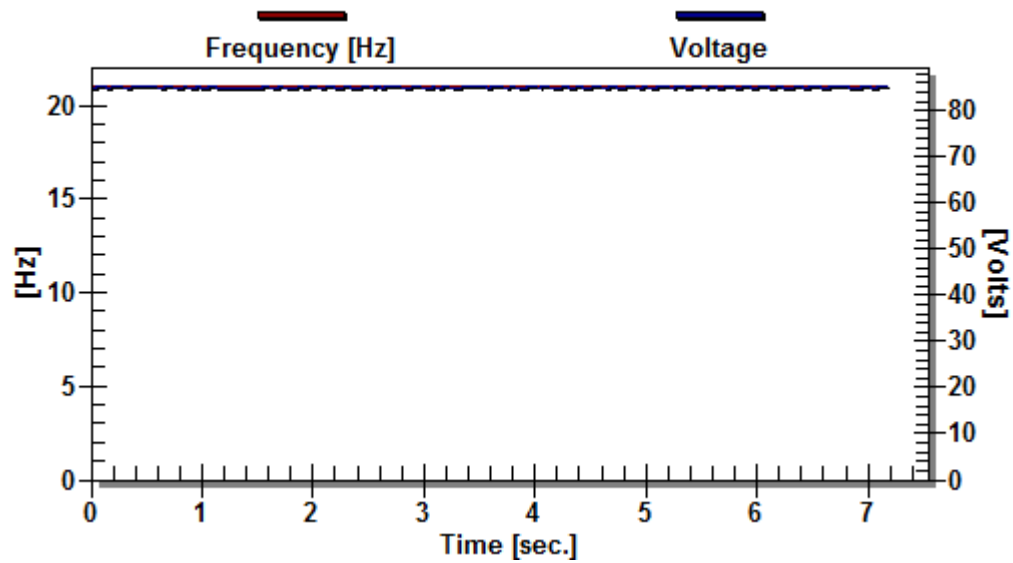
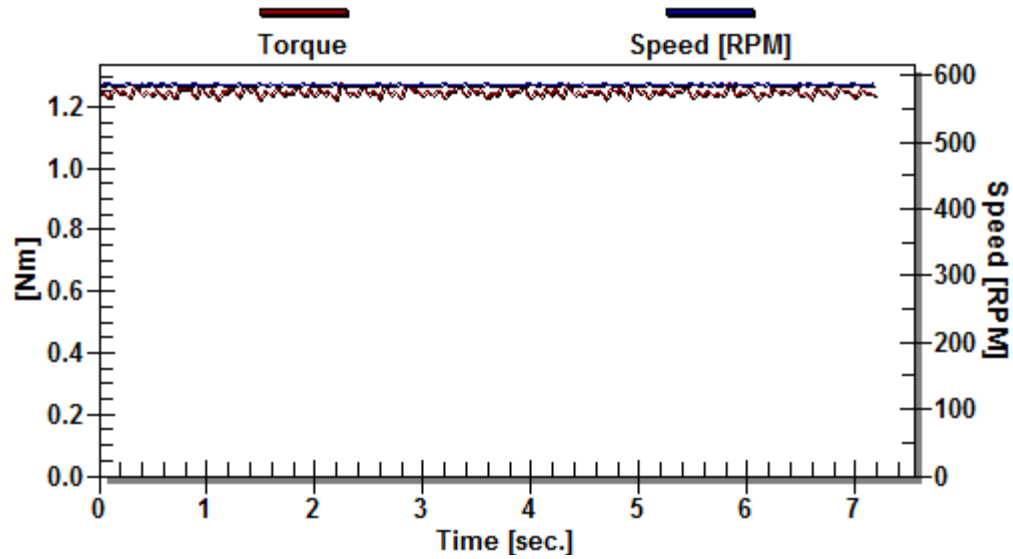
Test Details

Machine		small motor in class	
Database	Solution Factory SKF training class solution factory 10/5/2011	Tested by	10874 12:45:47 AM
Location		Tested for	
Building		Explorer SN#	
Date		Test Time	



VFD Details

Machine		small motor in class	
Database	Solution Factory SKF	Tested by	
Location	training class	Tested for	
Building	solution factory	Explorer SN#	10874
Date	10/5/2011	Test Time	12:45:47 AM



Test Result

Machine		small motor in class	
Database	Solution Factory SKF training class solution factory 10/5/2011	Tested by	10874 12:45:24 AM
Location		Tested for	
Building		Explorer SN#	
Test Date		Test Time	

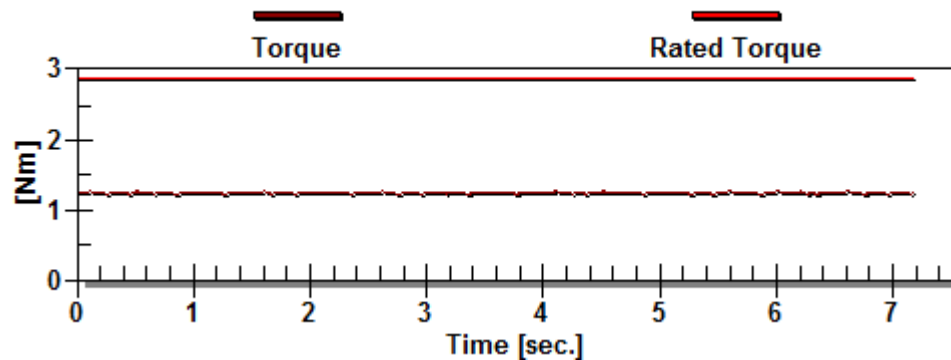
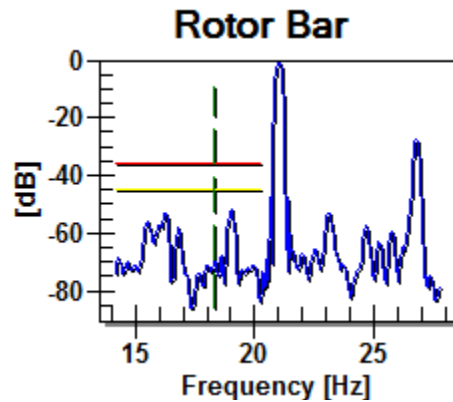
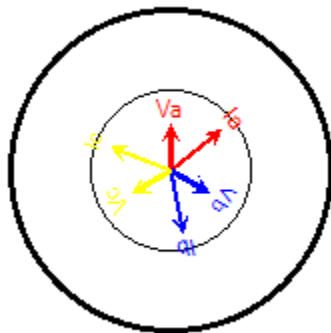
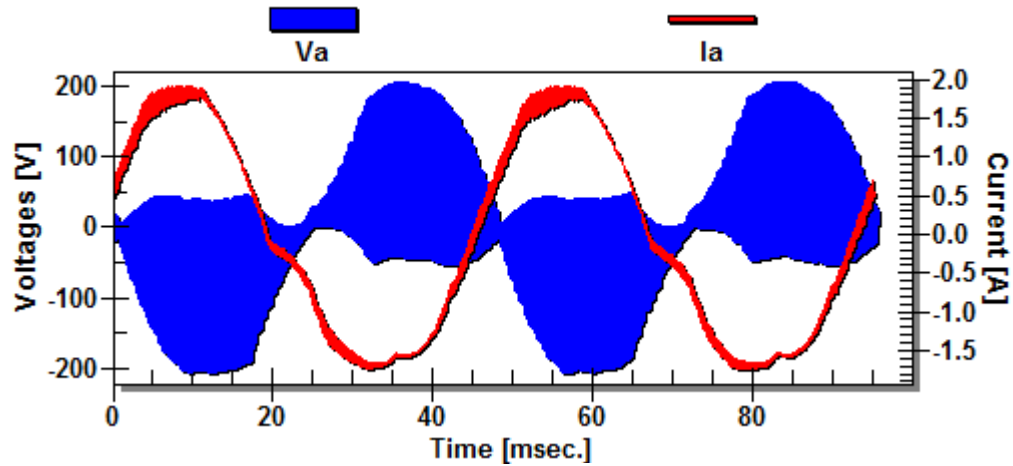
	Name Plate	Measured
Output Power [kW]	1.50	0.08
Speed [RPM]	1400	587.11
RMS [V]	380	85.83
RMS [A]	3.63	1.26
Frequency [Hz]	50	21.00
pf [p.u.]	N/A	0.63
Nema Derating [p.u.]	1.0	1.00
Torque [Nm]	10.23	1.24
Efficiency	N/A	64.43
Percent Load	N/A	5.08

Test	Value	Status	Caut. Level	Warn. Level
Voltage Level [RMS V]	85.83	N/A	N/A	N/A
Voltage Unbalance [%]	0.23	Good	2.00	3.50
THD [% of fund.]	9.73	Warning	7.00	9.00
Total Distortion [% of fund.]	10.07	Caution	10.00	12.00
Current Level [%]	34.96	Good	110.00	120.00
Current Unbalance [%]	1.27	Indet.	10.00	20.00
Load [%]	5.08	Good	110.00	125.00
Ef. Service Factor [p.u.]	0.05	Good	1.10	1.25
Rotor Bar [db]	-69.63	Good	-45.00	-36.00
Op. Point [%]	0.00	Good	20.00	30.00

Notes:

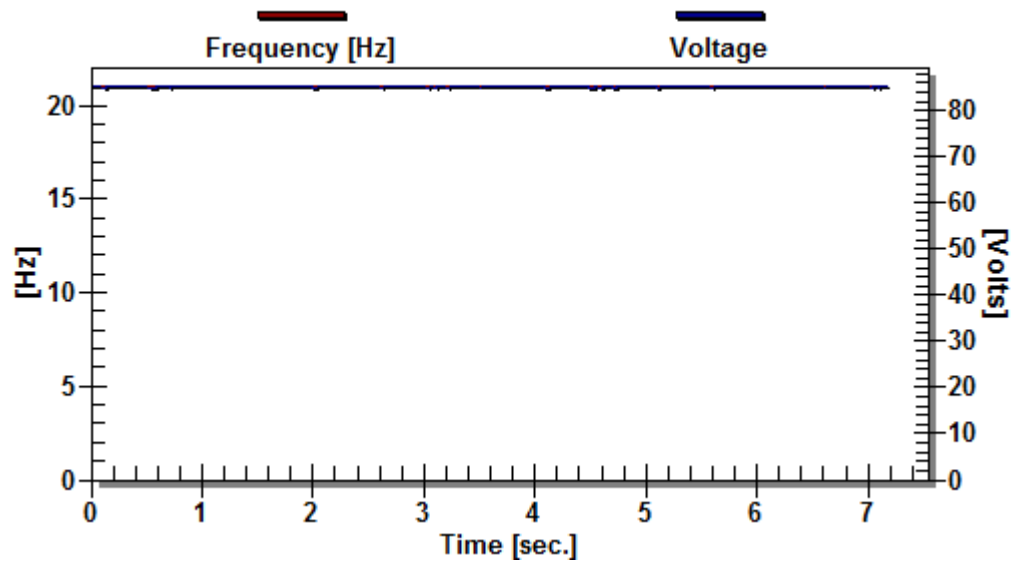
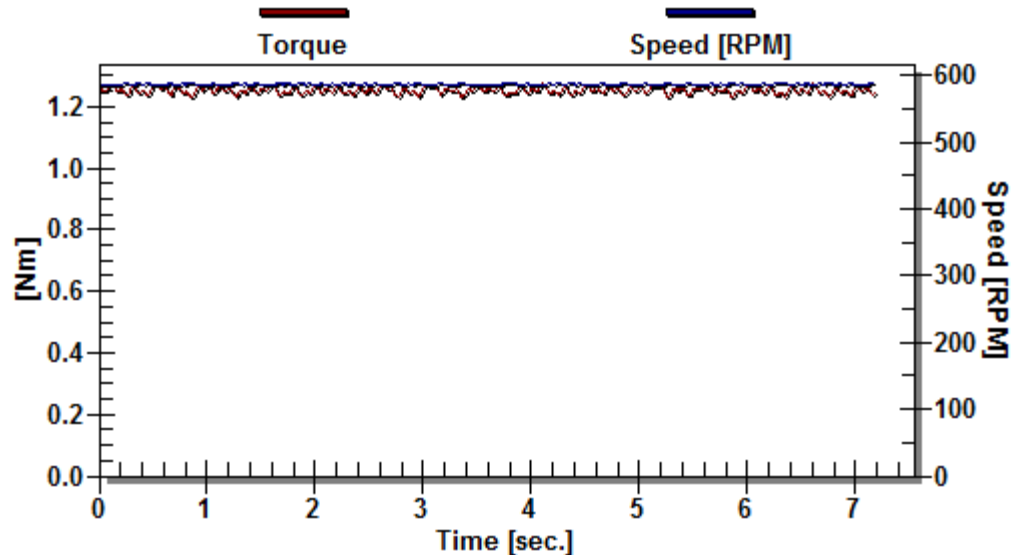
Test Details

Machine		small motor in class	
Database	Solution Factory SKF training class solution factory 10/5/2011	Tested by	10874 12:45:24 AM
Location		Tested for	
Building		Explorer SN#	
Date		Test Time	



VFD Details

Machine		small motor in class	
Database	Solution Factory SKF	Tested by	
Location	training class	Tested for	
Building	solution factory	Explorer SN#	10874
Date	10/5/2011	Test Time	12:45:24 AM



Test Result

Machine		small motor in class	
Database	Solution Factory SKF	Tested by	
Location	training class	Tested for	
Building	solution factory	Explorer SN#	10874
Test Date	10/5/2011	Test Time	12:42:05 AM

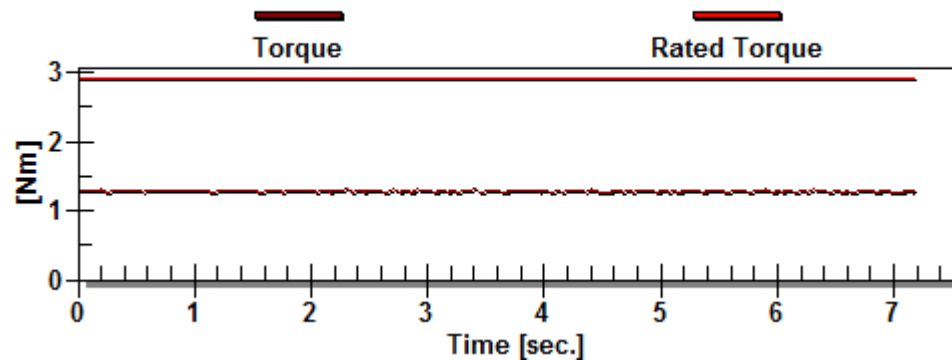
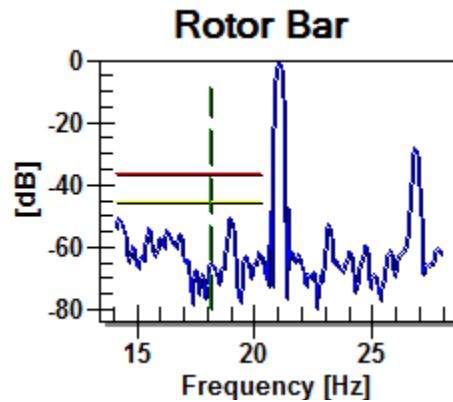
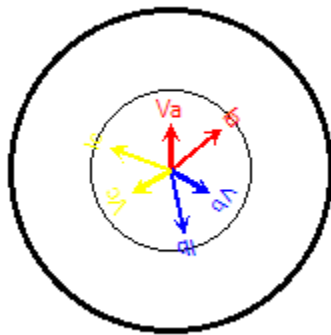
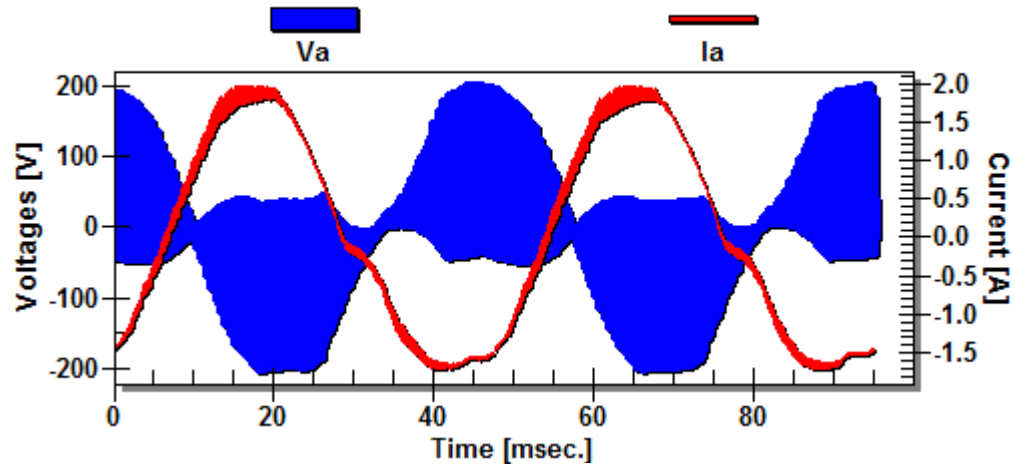
	Name Plate	Measured
Output Power [kW]	1.50	0.08
Speed [RPM]	1400	586.11
RMS [V]	380	85.94
RMS [A]	3.63	1.27
Frequency [Hz]	50	21.00
pf [p.u.]	N/A	0.64
Nema Derating [p.u.]	1.0	1.00
Torque [Nm]	10.23	1.27
Efficiency	N/A	64.45
Percent Load	N/A	5.21

Test	Value	Status	Caut. Level	Warn. Level
Voltage Level [RMS V]	85.94	N/A	N/A	N/A
Voltage Unbalance [%]	0.26	Good	2.00	3.50
THD [% of fund.]	9.72	Warning	7.00	9.00
Total Distortion [% of fund.]	10.09	Caution	10.00	12.00
Current Level [%]	35.31	Good	110.00	120.00
Current Unbalance [%]	1.20	Indet.	10.00	20.00
Load [%]	5.21	Good	110.00	125.00
Ef. Service Factor [p.u.]	0.05	Good	1.10	1.25
Rotor Bar [db]	-65.01	Good	-45.00	-36.00
Op. Point [%]	0.00	Good	20.00	30.00

Notes:

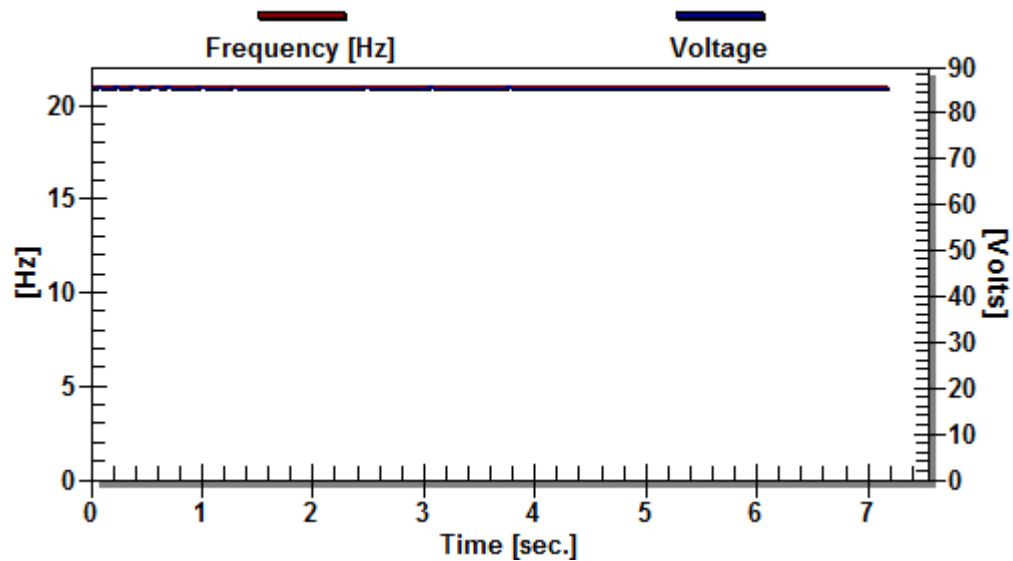
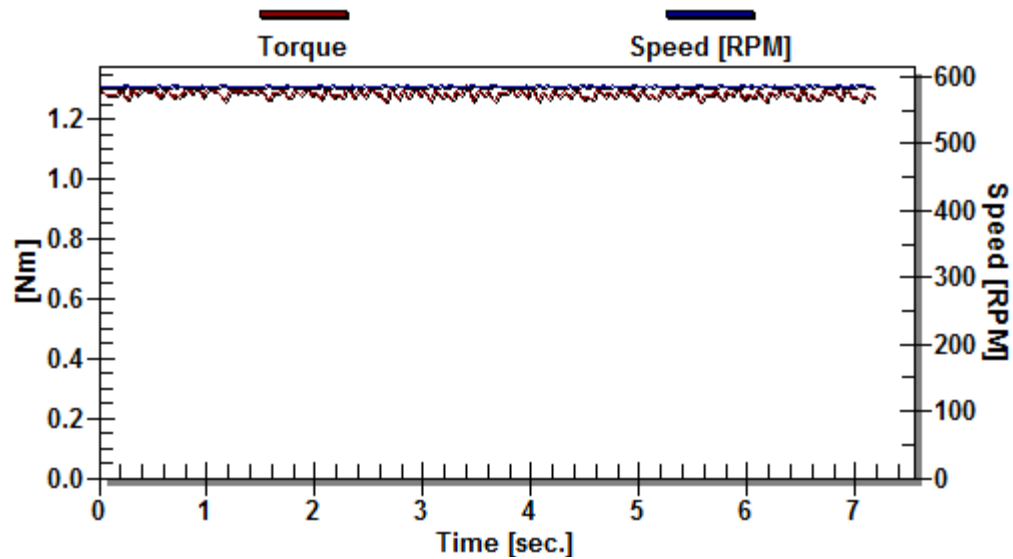
Test Details

Machine		small motor in class	
Database	Solution Factory SKF training class solution factory 10/5/2011	Tested by	10874 12:42:05 AM
Location		Tested for	
Building		Explorer SN#	
Date		Test Time	



VFD Details

Machine		small motor in class	
Database	Solution Factory SKF	Tested by	
Location	training class	Tested for	
Building	solution factory	Explorer SN#	10874
Date	10/5/2011	Test Time	12:42:05 AM



Test Result

Machine		small motor in class	
Database	Solution Factory SKF training class solution factory 10/5/2011	Tested by	10874 12:39:21 AM
Location		Tested for	
Building		Explorer SN#	
Test Date		Test Time	

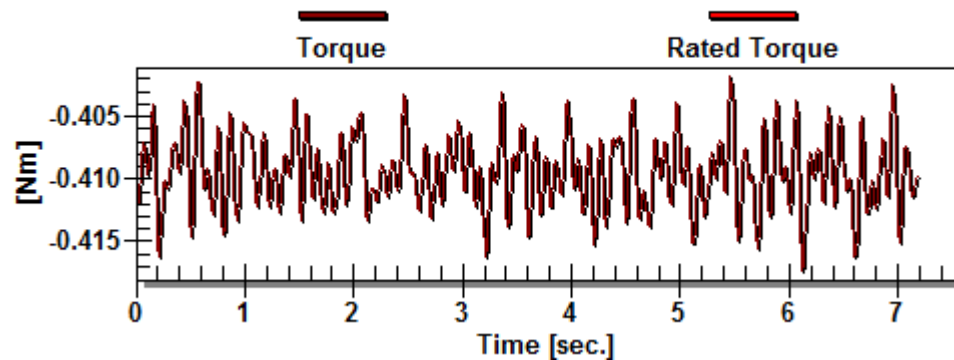
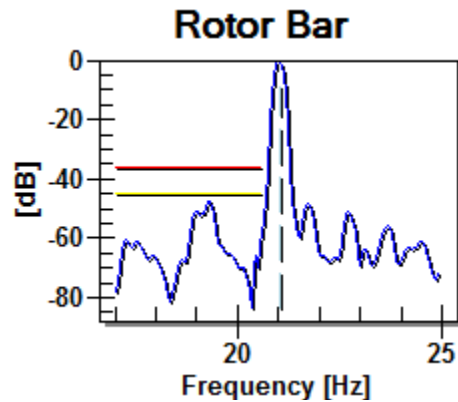
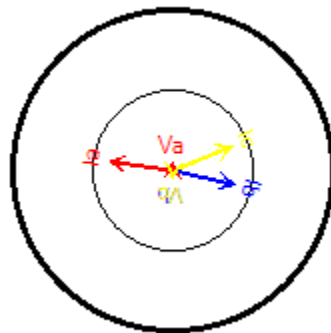
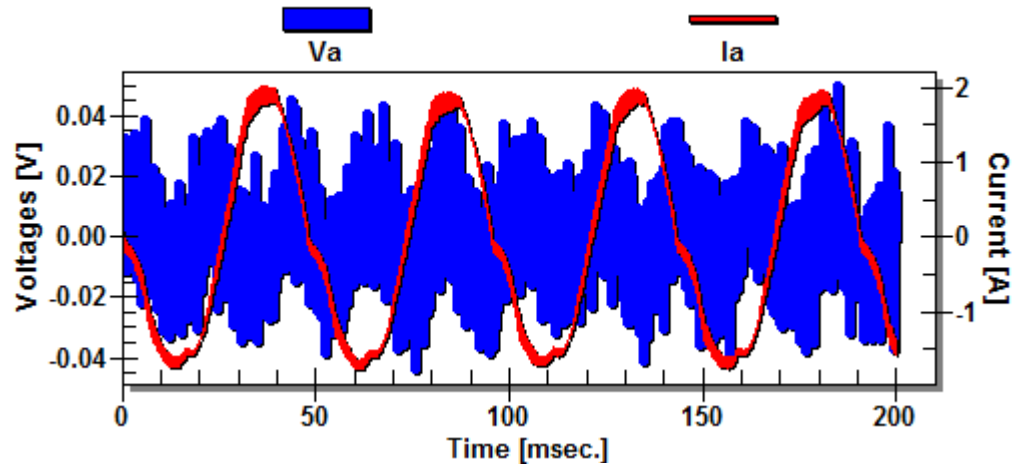
	Name Plate	Measured
Output Power [kW]	1.50	0.00
Speed [RPM]	1400	-6.13
RMS [V]	380	0.02
RMS [A]	3.63	1.27
Frequency [Hz]	50	-0.20
pf [p.u.]	N/A	0.00
Nema Derating [p.u.]	1.0	0.76
Torque [Nm]	10.23	-0.36
Efficiency	N/A	0.00
Percent Load	N/A	0.00

Test	Value	Status	Caut. Level	Warn. Level
Voltage Level [RMS V]	0.02	N/A	N/A	N/A
Voltage Unbalance [%]	96.74	Warning	2.00	3.50
THD [% of fund.]	27.76	Warning	7.00	9.00
Total Distortion [% of fund.]	227.69	Warning	10.00	12.00
Current Level [%]	35.27	Good	110.00	120.00
Current Unbalance [%]	1.16	Indet.	10.00	20.00
Load [%]	0.00	Good	110.00	125.00
Ef. Service Factor [p.u.]	0.00	Good	1.10	1.25
Rotor Bar [db]	0.00	Indet.	-45.00	-36.00
Op. Point [%]	0.00	Good	20.00	30.00

Notes:

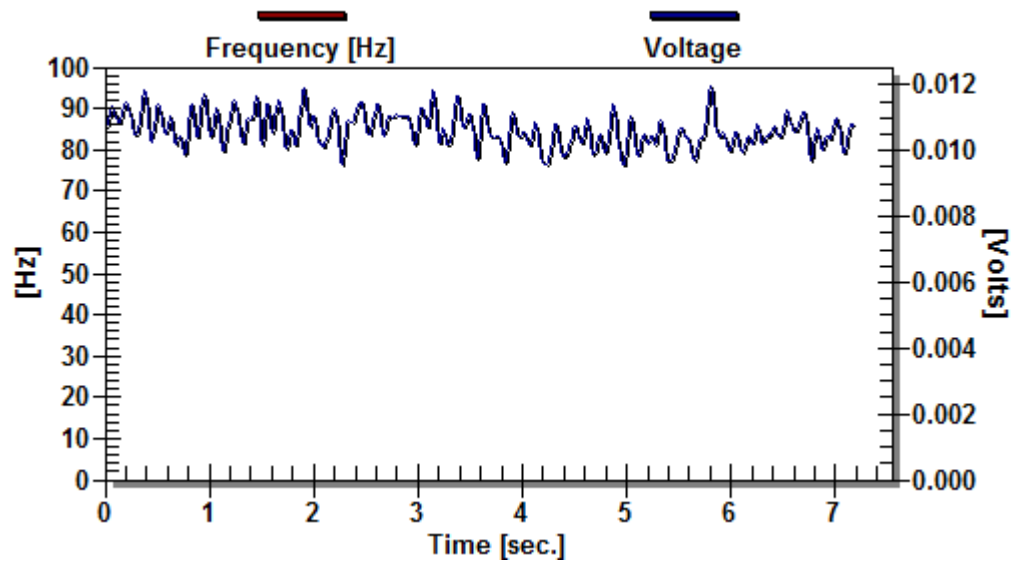
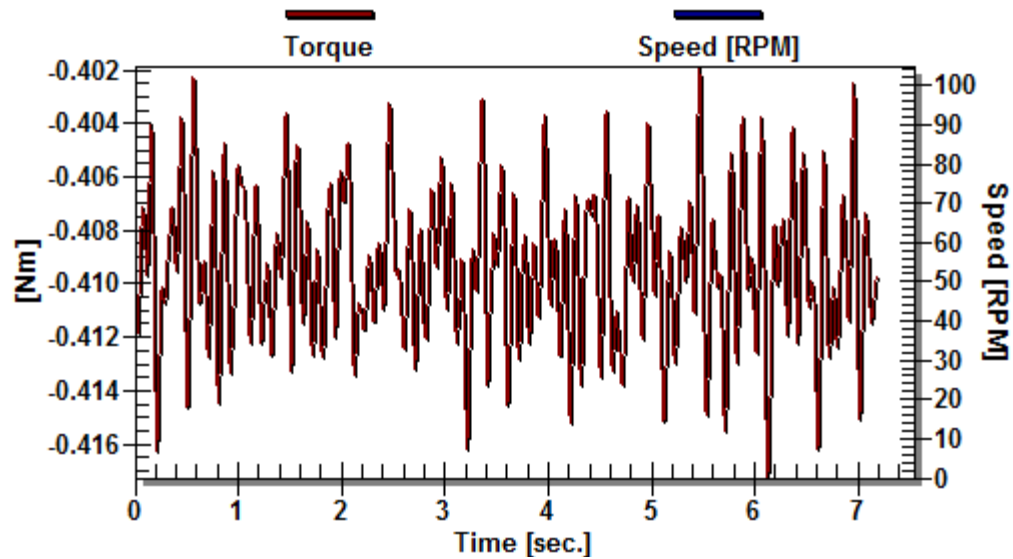
Test Details

Machine		small motor in class	
Database	Solution Factory SKF training class solution factory 10/5/2011	Tested by	10874 12:39:21 AM
Location		Tested for	
Building		Explorer SN#	
Date		Test Time	



VFD Details

Machine		small motor in class	
Database	Solution Factory SKF training class solution factory 10/5/2011	Tested by	10874 12:39:21 AM
Location		Tested for	
Building		Explorer SN#	
Date		Test Time	



Test Result

Machine		small motor in class	
Database	Solution Factory SKF	Tested by	
Location	training class	Tested for	
Building	solution factory	Explorer SN#	10874
Test Date	10/5/2011	Test Time	12:38:06 AM

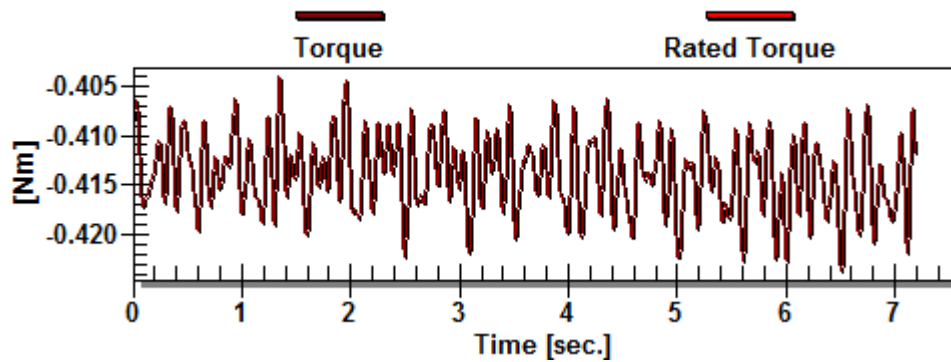
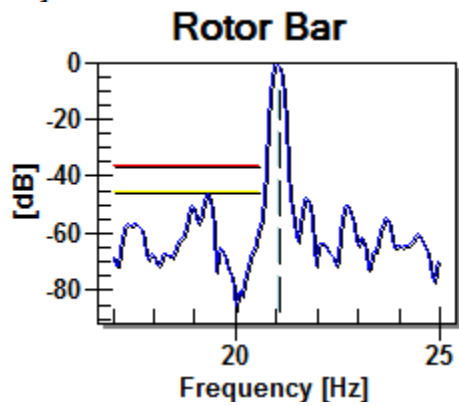
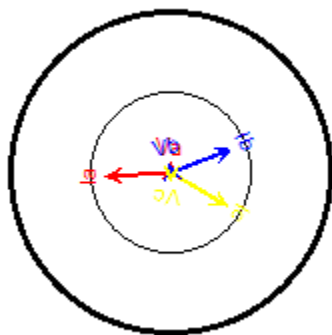
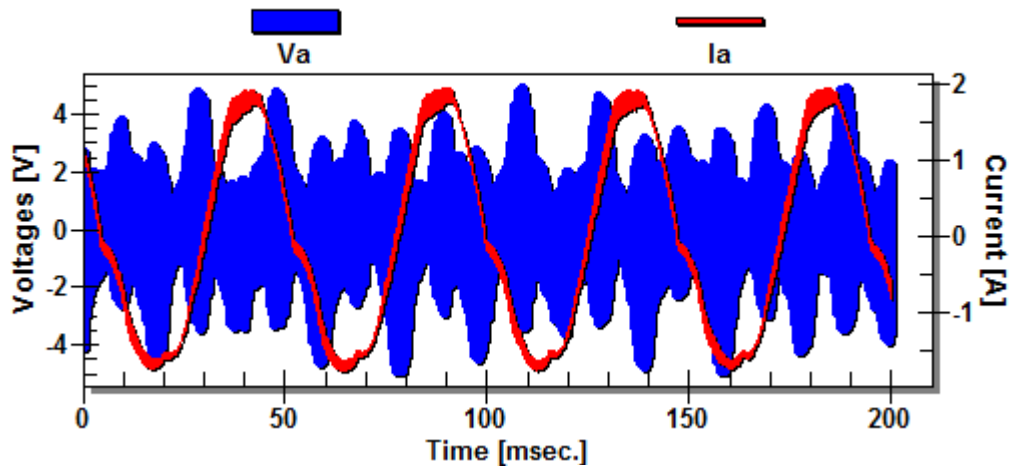
	Name Plate	Measured
Output Power [kW]	1.50	0.00
Speed [RPM]	1400	-9.25
RMS [V]	380	0.48
RMS [A]	3.63	1.28
Frequency [Hz]	50	-0.31
pf [p.u.]	N/A	0.00
Nema Derating [p.u.]	1.0	0.53
Torque [Nm]	10.23	-0.36
Efficiency	N/A	0.00
Percent Load	N/A	0.00

Test	Value	Status	Caut. Level	Warn. Level
Voltage Level [RMS V]	0.48	N/A	N/A	N/A
Voltage Unbalance [%]	63.24	Warning	2.00	3.50
THD [% of fund.]	28.08	Warning	7.00	9.00
Total Distortion [% of fund.]	35.19	Warning	10.00	12.00
Current Level [%]	35.45	Good	110.00	120.00
Current Unbalance [%]	1.19	Indet.	10.00	20.00
Load [%]	0.00	Good	110.00	125.00
Ef. Service Factor [p.u.]	0.00	Good	1.10	1.25
Rotor Bar [db]	0.00	Indet.	-45.00	-36.00
Op. Point [%]	0.00	Good	20.00	30.00

Notes:

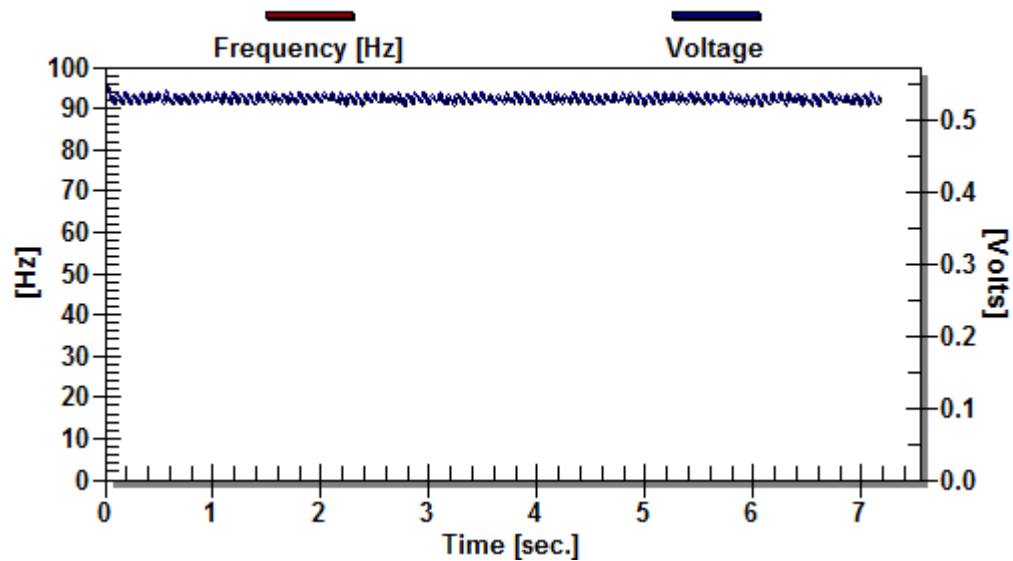
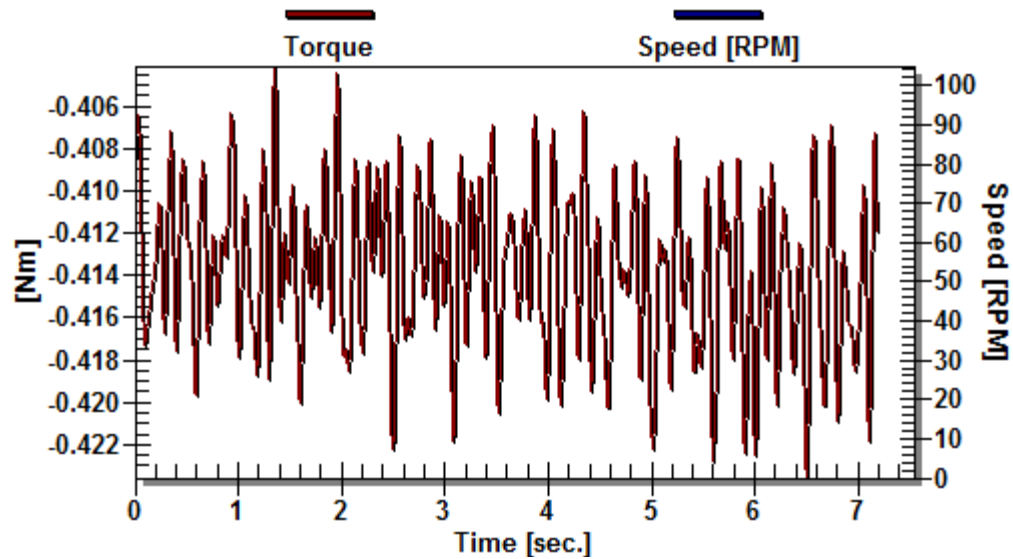
Test Details

Machine		small motor in class	
Database	Solution Factory SKF	Tested by	
Location	training class	Tested for	
Building	solution factory	Explorer SN#	10874
Date	10/5/2011	Test Time	12:38:06 AM



VFD Details

Machine		small motor in class	
Database	Solution Factory SKF training class solution factory 10/5/2011	Tested by	10874 12:38:06 AM
Location		Tested for	
Building		Explorer SN#	
Date		Test Time	



Test Result

Machine		small motor in class	
Database	Solution Factory SKF	Tested by	
Location	training class	Tested for	
Building	solution factory	Explorer SN#	10874
Test Date	10/5/2011	Test Time	12:36:15 AM

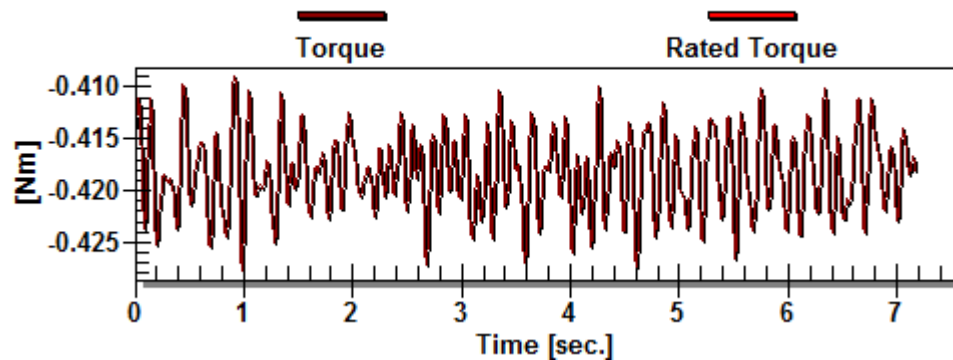
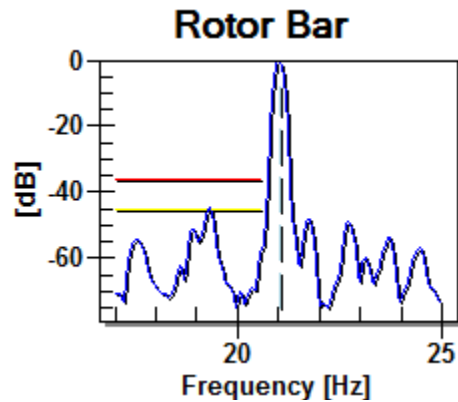
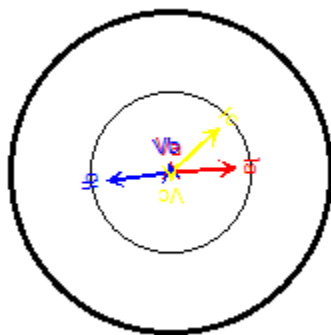
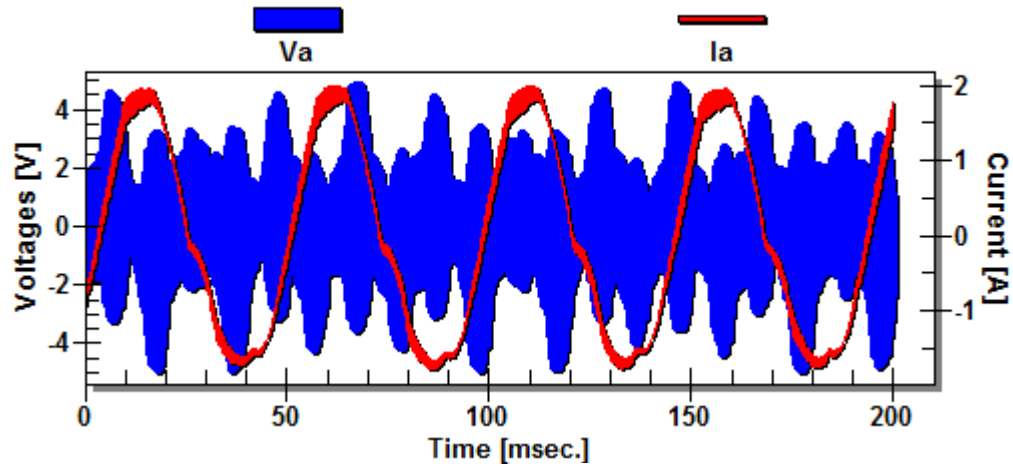
	Name Plate	Measured
Output Power [kW]	1.50	0.00
Speed [RPM]	1400	-10.34
RMS [V]	380	0.48
RMS [A]	3.63	1.29
Frequency [Hz]	50	-0.34
pf [p.u.]	N/A	0.00
Nema Derating [p.u.]	1.0	0.53
Torque [Nm]	10.23	-0.36
Efficiency	N/A	0.00
Percent Load	N/A	0.00

Test	Value	Status	Caut. Level	Warn. Level
Voltage Level [RMS V]	0.48	N/A	N/A	N/A
Voltage Unbalance [%]	62.98	Warning	2.00	3.50
THD [% of fund.]	28.06	Warning	7.00	9.00
Total Distortion [% of fund.]	35.59	Warning	10.00	12.00
Current Level [%]	35.65	Good	110.00	120.00
Current Unbalance [%]	1.20	Indet.	10.00	20.00
Load [%]	0.00	Good	110.00	125.00
Ef. Service Factor [p.u.]	0.00	Good	1.10	1.25
Rotor Bar [db]	0.00	Indet.	-45.00	-36.00
Op. Point [%]	0.00	Good	20.00	30.00

Notes:

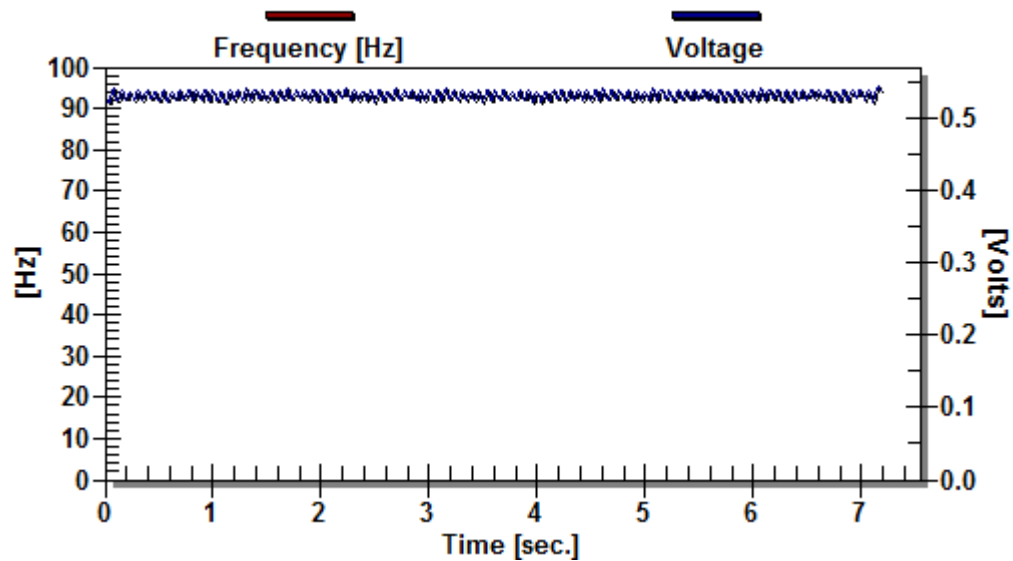
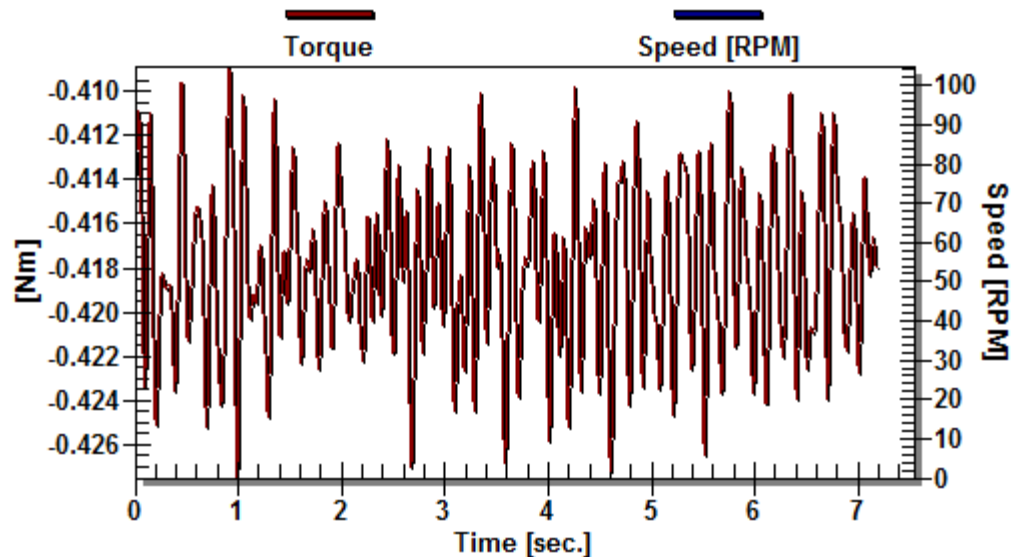
Test Details

Machine		small motor in class	
Database	Solution Factory SKF	Tested by	
Location	training class	Tested for	
Building	solution factory	Explorer SN#	10874
Date	10/5/2011	Test Time	12:36:15 AM



VFD Details

Machine		small motor in class	
Database	Solution Factory SKF training class solution factory 10/5/2011	Tested by	10874 12:36:15 AM
Location		Tested for	
Building		Explorer SN#	
Date		Test Time	



Test Result

Machine		small motor in class	
Database	Solution Factory SKF	Tested by	
Location	training class	Tested for	
Building	solution factory	Explorer SN#	10874
Test Date	10/5/2011	Test Time	12:32:17 AM

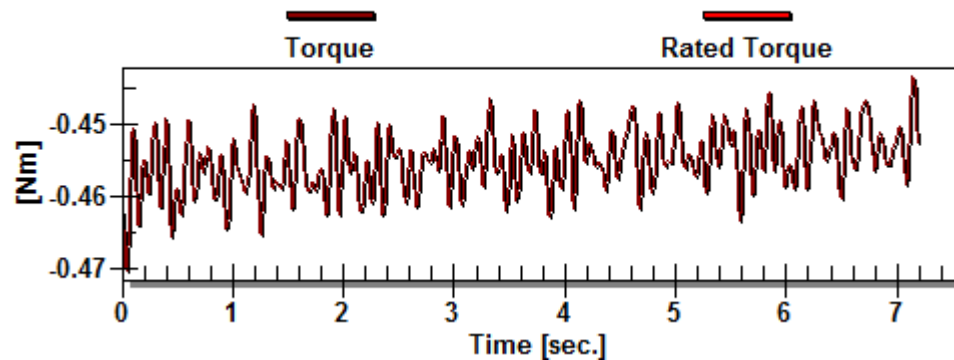
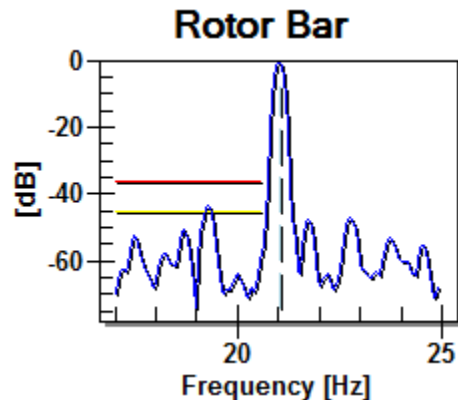
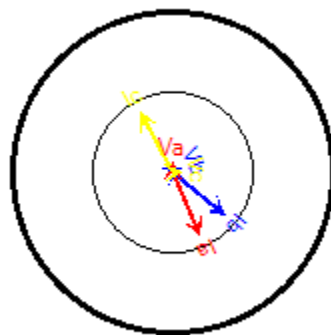
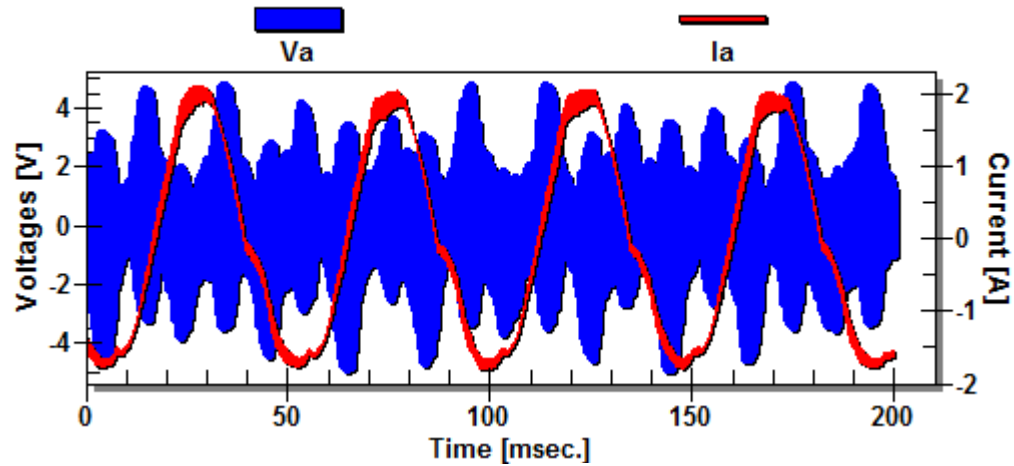
	Name Plate	Measured
Output Power [kW]	1.50	0.00
Speed [RPM]	1400	-12.60
RMS [V]	380	0.48
RMS [A]	3.63	1.34
Frequency [Hz]	50	-0.42
pf [p.u.]	N/A	0.00
Nema Derating [p.u.]	1.0	0.53
Torque [Nm]	10.23	-0.40
Efficiency	N/A	0.00
Percent Load	N/A	0.00

Test	Value	Status	Caut. Level	Warn. Level
Voltage Level [RMS V]	0.48	N/A	N/A	N/A
Voltage Unbalance [%]	74.98	Warning	2.00	3.50
THD [% of fund.]	28.33	Warning	7.00	9.00
Total Distortion [% of fund.]	39.06	Warning	10.00	12.00
Current Level [%]	37.15	Good	110.00	120.00
Current Unbalance [%]	1.12	Indet.	10.00	20.00
Load [%]	0.00	Good	110.00	125.00
Ef. Service Factor [p.u.]	0.00	Good	1.10	1.25
Rotor Bar [db]	0.00	Indet.	-45.00	-36.00
Op. Point [%]	0.00	Good	20.00	30.00

Notes:

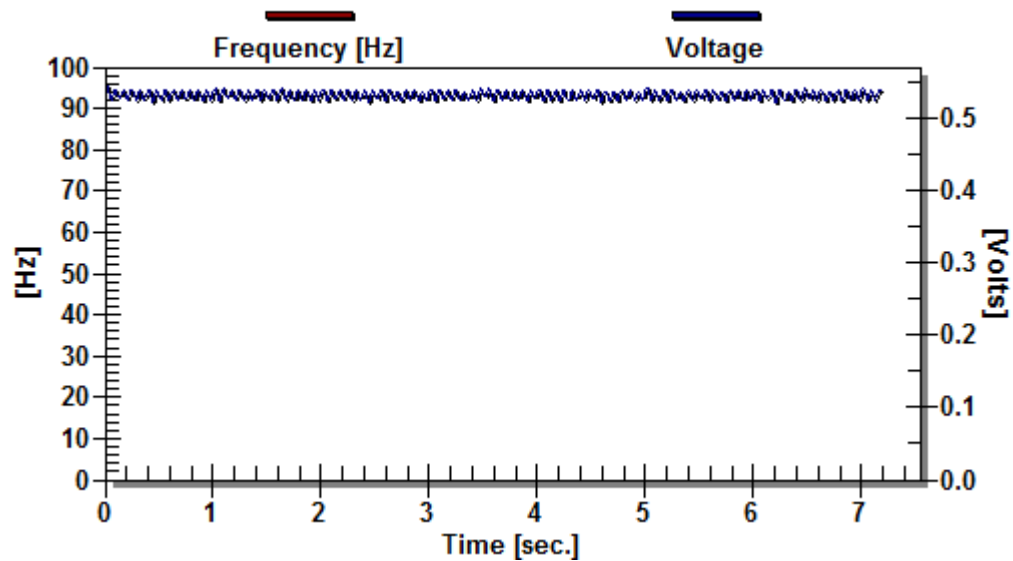
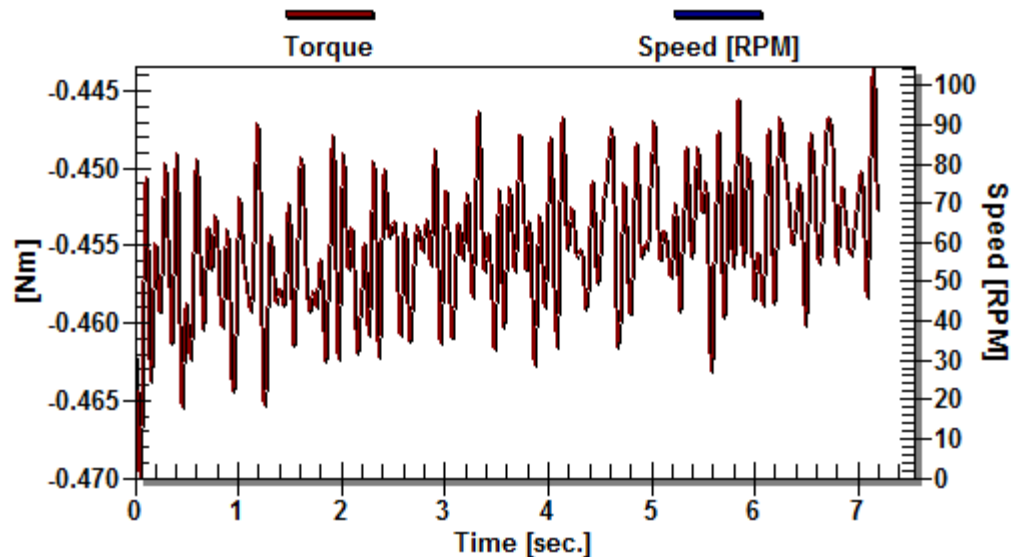
Test Details

Machine		small motor in class	
Database	Solution Factory SKF	Tested by	
Location	training class	Tested for	
Building	solution factory	Explorer SN#	10874
Date	10/5/2011	Test Time	12:32:17 AM



VFD Details

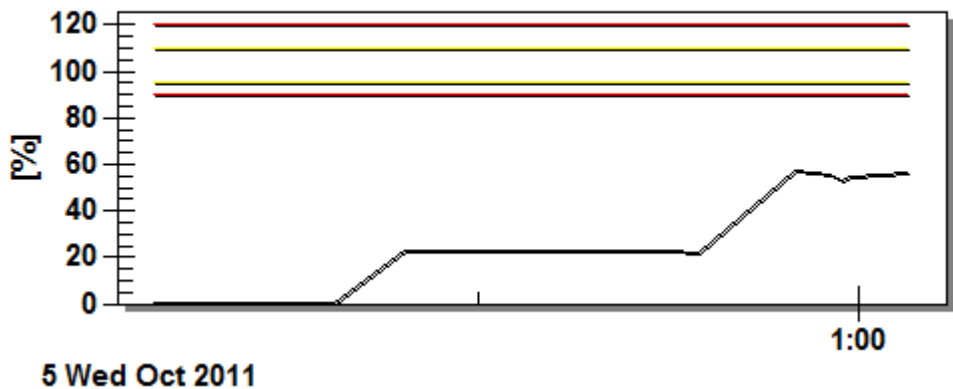
Machine		small motor in class	
Database	Solution Factory SKF training class solution factory 10/5/2011	Tested by	10874 12:32:17 AM
Location		Tested for	
Building		Explorer SN#	
Date		Test Time	



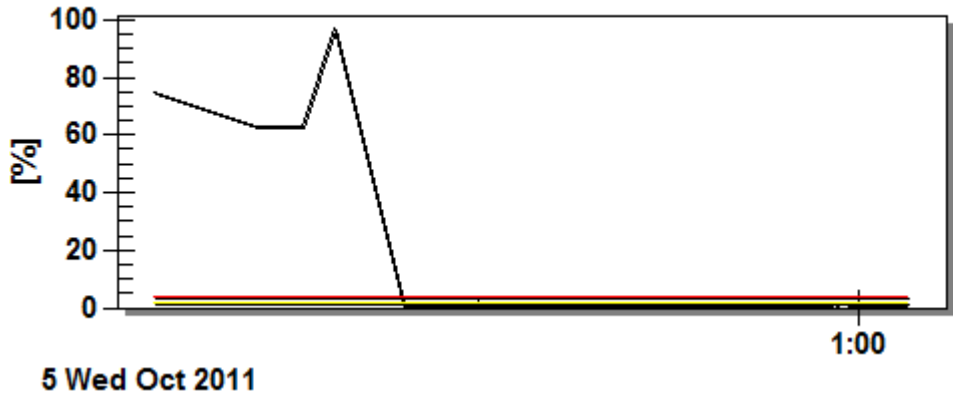
Trends

Explorer		
	Machine	small motor in class
	Database	Solution Factory SKF
	Location	training class
	Building	solution factory
	Report Date	10/5/2011
	Report Time	1:06 AM

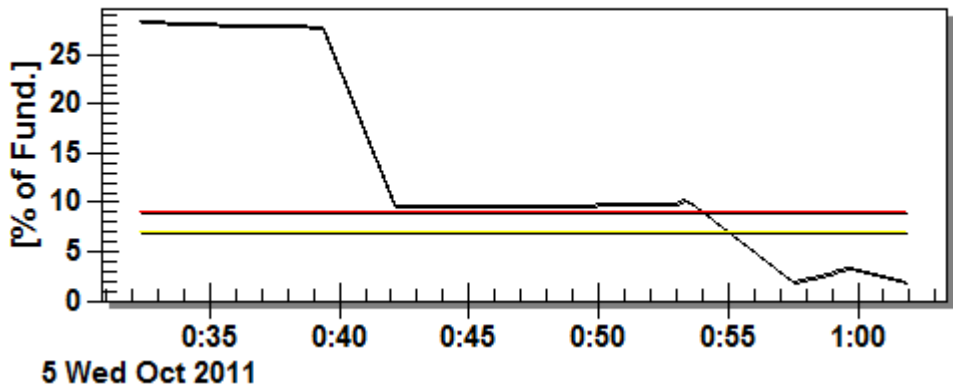
Voltage Level



Voltage Unbalance



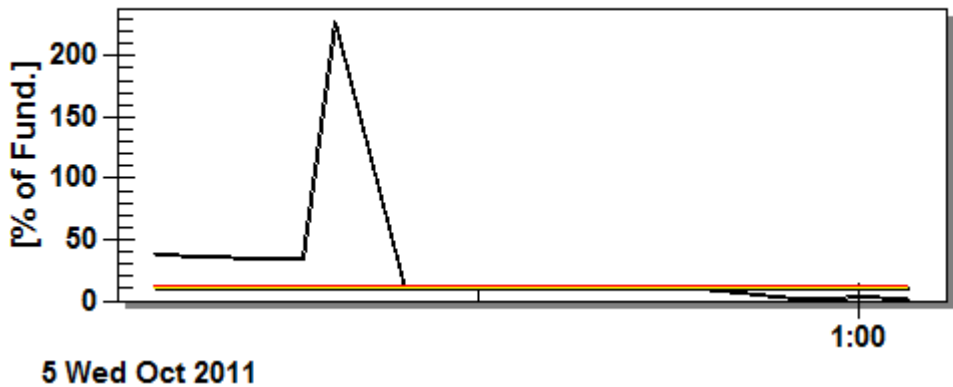
Harmonic Distortion



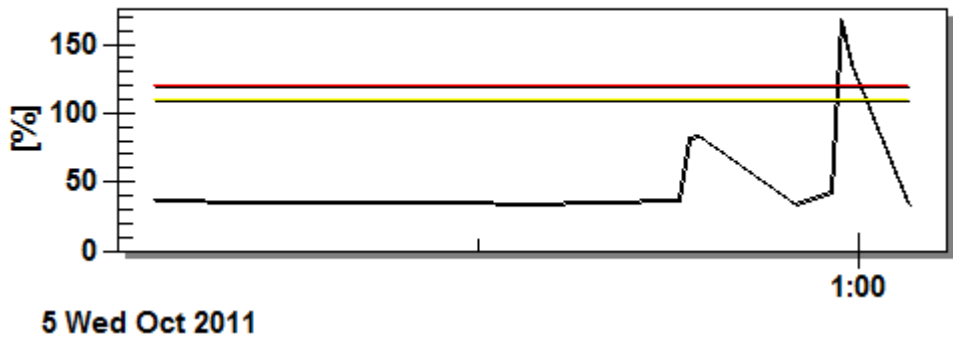
Trends

Explorer		
	Machine	small motor in class
	Database	Solution Factory SKF
	Location	training class
	Building	solution factory
	Report Date	10/5/2011
	Report Time	1:06 AM

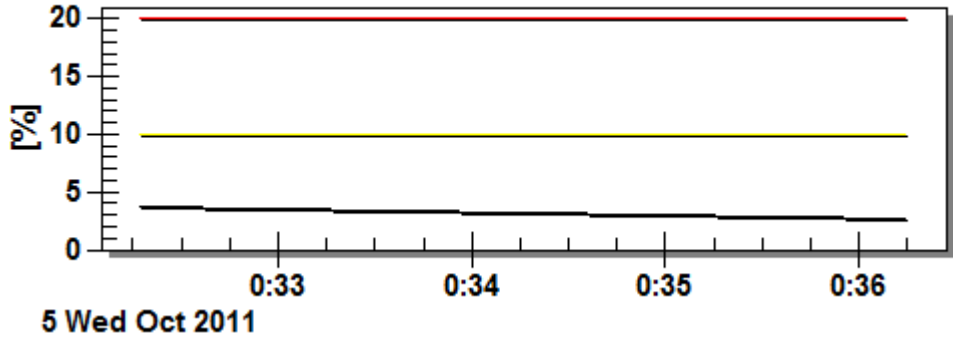
Total Harmonic Distortion



Nominal Current



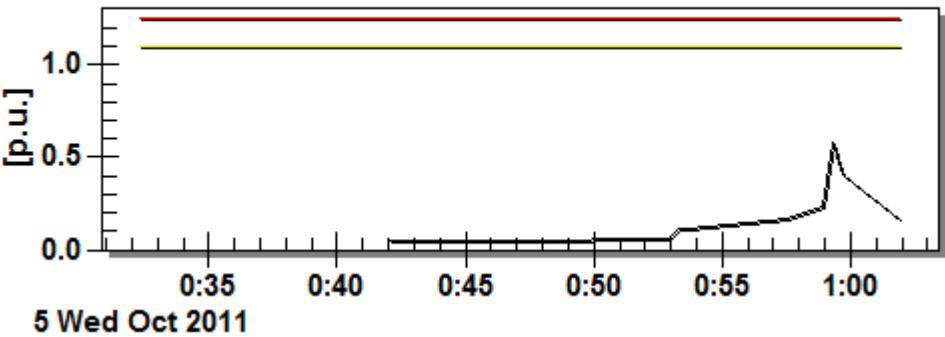
Current Unbalance



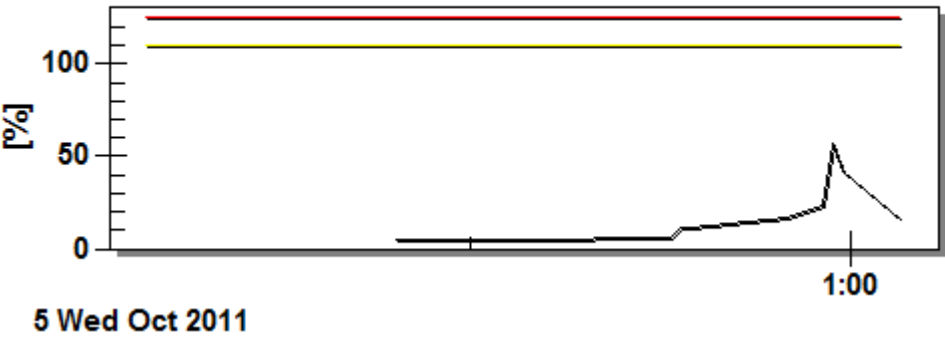
Trends

Explorer		
	Machine	small motor in class
	Database	Solution Factory SKF
	Location	training class
	Building	solution factory
	Report Date	10/5/2011
	Report Time	1:06 AM

Eff. Service Factor



Load



Rotor Bar

