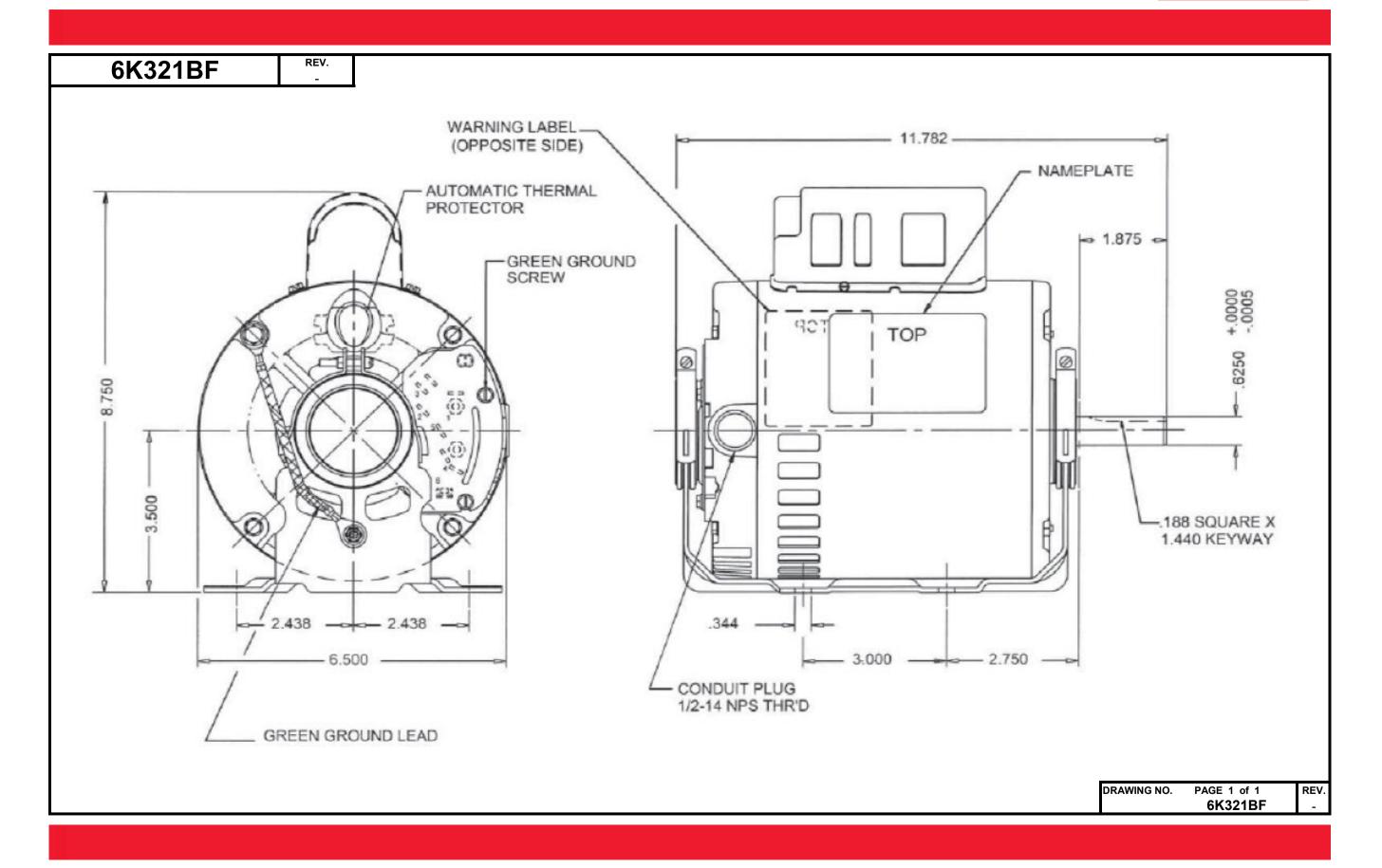
# **Dimensional Drawing**







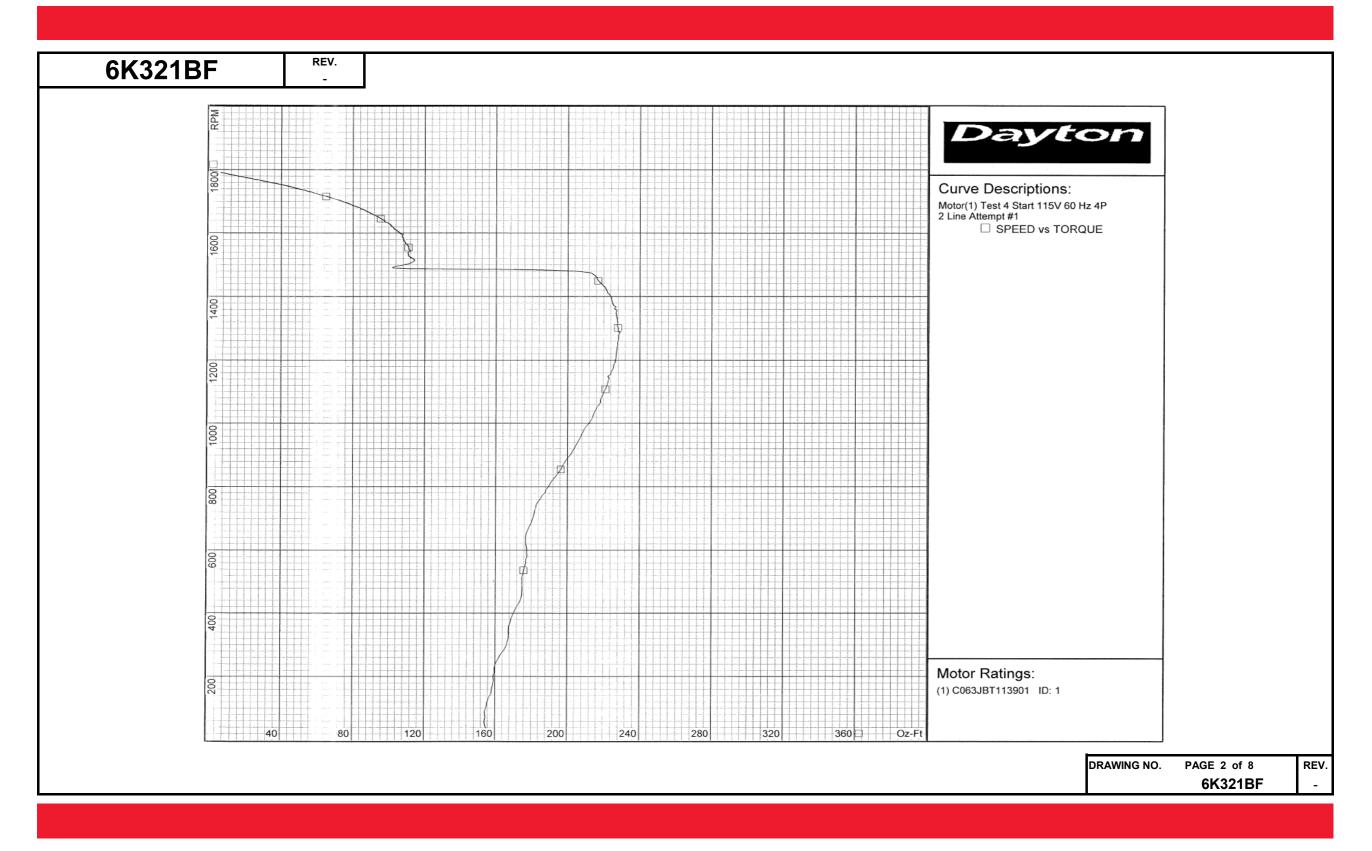
6K321B	F REV.							
	MOTO	R PERF	ORMA	NCE				
HP:	6K321BE							
Poles:	4							
No. of Speeds:	1							
Volts:	115/208-230	115	208	230				
HZ:	60	60	60	60				
Service Factor:	1.15							
Efficiency:	@ Rated Load	66	67.7	67.4				
Power Factor:	@ Rated Load	72.2	77.3	70.2				
Amps:	@ No Load	40.0	0.0					
	<ul><li>@ Rated Load</li><li>@ Service Factor</li></ul>	13.6 14.9	6.9 7.7	6.9 7.4				
	@ Locked Rotor	72.33	33.29	37.32				
RPM:	@ Rated Load	12.33	33.29	57.52			<u> </u>	
Ambient (°C):	40		ļ		1	I	1	
Altitude (FASL):								
Torques:	Breakdown	110.1	92.65	116.77				
•	Locked Rotor	149.9	114.49	142.3				
	Pull-Up	149.9	113.17	137.1				
	Rated Load							
	Service Factor							
Watts:	Rated Load							
KVA Code: Temperature Rise:	@ Rated Load	57.6						
Temperature Mise.	@ Service Factor	72.9						
Thermal Protector:	Trip Temp (°C)	72.0						
Winding Material:	Start (Auxiliary)	AI						
5	Run (Main)	Cu						
Capacitor(s):	Start (MFD / Volts)							
	No. of Start Capacitors							
	Run (MFD / Volts)							
	No. of Run Capacitors						<u> </u>	
	FORMANCE DATA:							
HP:								
Poles:								
Volts:								
HZ:								
Efficiency:	@ Rated Load							
Power Factor:	@ Rated Load							
Amps:	@ No Load							
	@ Rated Load @ Service Factor							
	@ Locked Rotor	+					<u> </u>	
Torques:	@ Rated Load	1					— <u> </u> —	
	Locked Rotor	1						
	Pull-Up							
	Rated Load							
	Service Factor							
Watts:	@ Rated Load							
Temperature Rise:	@ Rated Load							
	@ Service Factor							
						DRA	WING NO. F	PAGE 1
								21BF

#### Dayton Electric Mfg. Co. Lake Forest, IL 60045



K321BF	REV. -										
	Dayton Manufacturing Company										
Motor Des	scription	Test Conditions									
Model:	C063JBT11390	01		Test Type:	Start		Run Ca	ap:	0		
Motor ID:	1			Test Numb			Start C	ap:	0µfd		
Poles:	4			Poles:	4				•		
Volts:	115/208-230			Volts:	115		Tested	:	3/2/2012 2:1	4:01 PM	
Frequency:	60			Hz:	60						
HP:	1			Rotation:			Gear R	atio:	1:1		
Speed:	1725				nd: 2 Line				-1.12 Oz-Ft		
Phase:	1			Speed Con					: -3.20 Oz-Ft		
Protector:	CEJ51 CX			TestBoard		erformance		01			
Special Points	Vline	Iline	Watts	Speed	Tq(Oz-ft)	HP	Eff(%)	PF(%)			
PUT OZ-FT	115.0	72.33	7601	11	149.9	0.020	0.2	91.4			
	115.0	72.33	7601	11	149.9	0.020	0.2	91.4			
	115.0 115.0	72.16 71.76	7582 7570	58 214	154.0 159.6	0.106 0.407	1.0 4.0	91.4 91.7			
	115.0	71.35	7544	359	167.6	0.716	7.1	91.9			
	115.0	70.52	7458	491	174.8	1.021	10.2	92.0			
	115.0	69.90	7378	612	177.2	1.291	13.1	91.8			
	115.0 115.0	70.50 70.94	7452 7562	725 829	181.8 192.9	1.569	15.7 18.8	91.9 92.7			
	115.0	70.94	7622	925	204.1	1.902 2.249	22.0	93.4			
-	115.0	70.88	7665	1014	213.4	2.575	25.1	94.0			
-	115.0	70.64	7685	1094	219.9	2.865	27.8	94.6			
	115.0 115.0	70.36 70.06	7705 7714	1168 1236	224.7 227.2	3.125 3.344	30.3 32.3	95.2 95.7			
	115.0	69.72	7708	1236	228.0	3.521	34.1	96.1			
	115.0	69.45	7721	1353	227.0	3.658	35.3	96.7			
	115.0	69.13	7720	1404	223.4	3.734	36.1	97.1			
	115.0	68.76	7717	1450	216.9	3.744	36.2	97.6			
	115.0 115.0	53.13 36.44	5544 3458	1486 1520	145.1 113.2	2.568 2.049	34.5 44.2	90.7 82.5			
	115.0	32.92	3124	1558	111.0	2.059	49.2	82.5			
	115.0	29.94	2852	1592	107.2	2.033	53.2	82.8			
	115.0	27.03	2571	1623	101.2	1.955	56.7	82.7			
	115.0 115.0	24.21 21.41	2291 2001	1651 1677	94.0 84.2	1.848 1.680	60.2 62.6	82.3 81.3			
	115.0	18.83	1718	1699	74.3	1.503	65.3	79.3			
	115.0	16.27	1413	1721	61.8	1.266	66.8	75.5			
	115.0	14.08	1128	1741	48.6	1.007	66.6	69.7			
	115.0 115.0	11.89 10.56	780 470	1763 1783	30.6 13.1	0.642	61.4 43.9	57.1 38.8			
	115.0	10.23	254	1798	0.0	0.000	0.0	21.6			
									DRAWING NO.	PAGE 1 o	
										6K32	

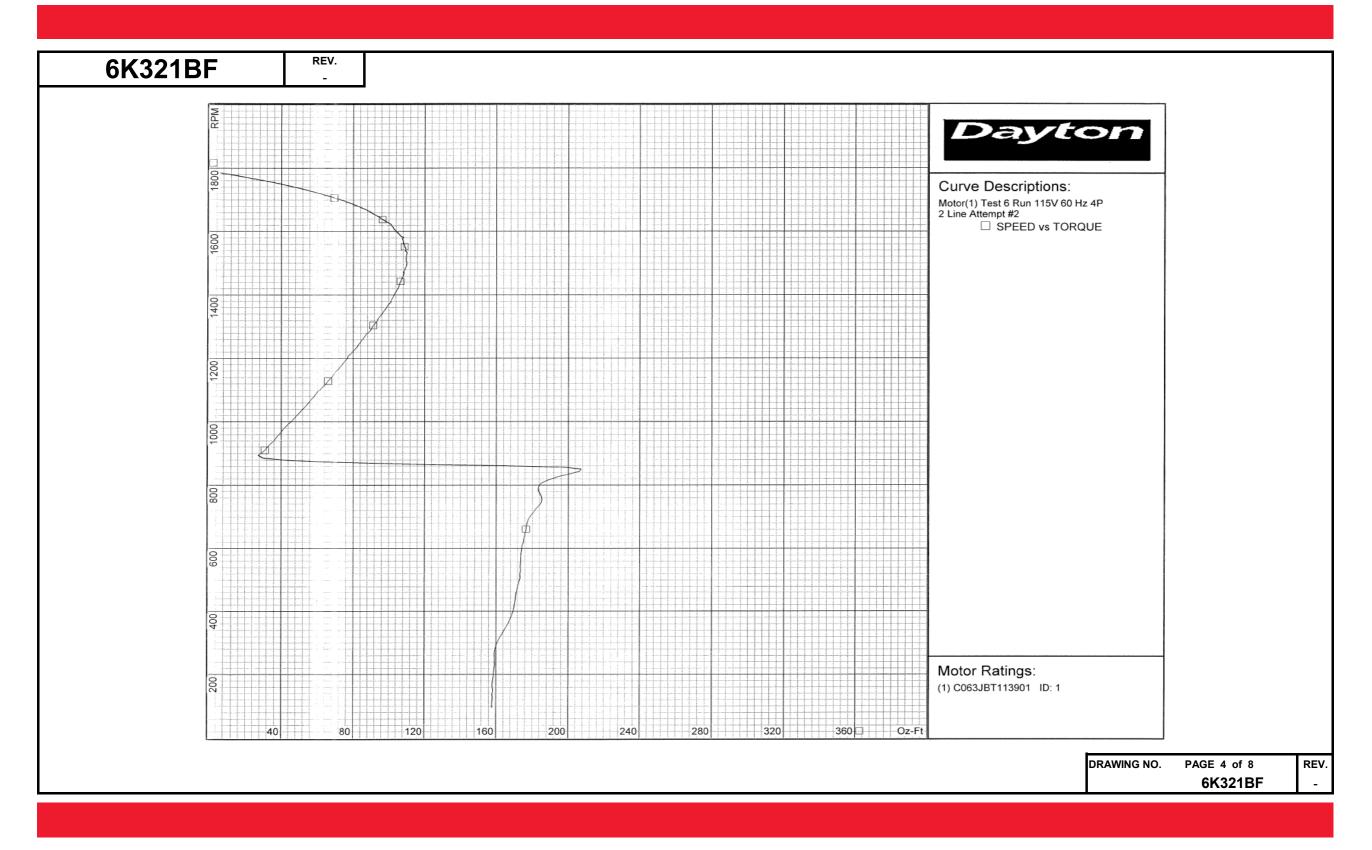






6K321BF	REV. -									
				Day	ton Ma	nufactu	ring Cor	npany		
Motor Des	scription					Test Con	ditions			
Model:	C063JBT1139	01		Test Type:	Run		Run Ca	ap:	0	
Motor ID:	1			Test Number			Start C	-	0µfd	
Poles:	4			Poles:	4			-p.	opina	
Volts:	115/208-230			Volts:	115		Tested	:	3/2/2012 2:2	4:31 PM
Frequency:	60			Hz:	60					
HP:	1			Rotation:			Gear R	atio:	1:1	
Speed:	1725			Special Cond	: 2 Line				-0.96 Oz-Ft	
Phase:	1			Speed Conn:					-3.20 Oz-Ft	
Protector:	CEJ51 CX			TestBoard:	Amtps P	erformance		Be rendered		
Special Points	Vline	Iline	Watts	Speed T	q(Oz-ft)	HP	Eff(%)	PF(%)		
Spectar Fornes	115.0	9.66	234	1791	0.0	0.000	0.0	21.1		
	115.0	10.21	551	1773	18.1	0.382	51.8	46.9		
48.7 OZ-FT	115.0 115.0	11.82 13.68	872 1139	1755 1738	35.5 48.7	0.742 1.008	63.5 66.0	64.1 72.4		
1 HP	115.0	13.62	1131	1739	48.3	1.000	66.0	72.2		
	115.0	13.98	1180	1735	51.0	1.054	66.6	73.4		
1.15 HP	115.0	14.85	1292	1728	55.9	1.150	66.4	75.6		
1725 RPM 60.87 OZ-FT	115.0 115.0	15.24 15.79	1341 1407	1725 1720	58.1 60.9	1.192 1.247	66.3 66.1	76.5 77.5		
1.25 HP	115.0	15.82	1411	1720	61.0	1.250	66.1	77.5		
	115.0	16.46	1488	1715	64.3	1.312	65.8	78.6		
	115.0	19.14	1795	1693 1671	76.2	1.535	63.8	81.5 83.2		
	115.0 115.0	21.87 24.66	2092 2373	1646	86.5 94.5	1.720	61.3 58.2	83.2		
	115.0	27.43	2642	1619	101.4	1.953	55.1	83.8		
	115.0	30.26	2906	1590	105.9	2.004	51.4	83.5		
BDT OZ-FT	115.0 115.0	32.97 <b>35.14</b>	3152 3336	1558 1532	108.5 110.1	2.012 2.008	47.6 44.9	83.1 82.6		
	115.0	35.70	3383	1524	109.7	1.990	43.9	82.4		
	115.0	38.32	3598	1487	109.3	1.935	40.1	81.6		
	115.0 115.0	40.89 43.36	3793 3971	1447 1403	106.9 103.2	1.842 1.723	36.2 32.4	80.6		
	115.0	45.69	4127	1356	98.1	1.583	28.6	78.5		
	115.0	47.86	4278	1305	91.3	1.418	24.7	77.7		
	115.0 115.0	49.92 51.89	4399 4507	1248 1188	83.7 74.9	1.243 1.060	21.1 17.5	76.6 75.5		
	115.0	53.71	4595	1122	65.0	0.868	14.1	74.4		
	115.0	55.38	4661	1052	54.2	0.678	10.9	73.2		
	115.0	56.96	4719 4774	976 894	41.0	0.477	7.5	72.0 70.9		
	115.0 115.0	58.57 71.28	7690	835	27.3 201.0	0.290 1.998	4.5 19.4	93.8		
	115.0	70.61	7488	735	183.6	1.606	16.0	92.2		
	115.0 115.0	69.86	7363 7388	629 520	175.2 173.1	1.313 1.071	13.3	91.7		
	115.0	69.84 70.72	7500	401	169.5	0.810	10.8	92.0 92.2		
	115.0	71.32	7546	278	159.3	0.528	5.2	92.0		
	115.0	71.77	7568	151	158.2	0.284	2.8	91.7		
									DRAWING NO.	PAGE 3 of 8
										6K321BF

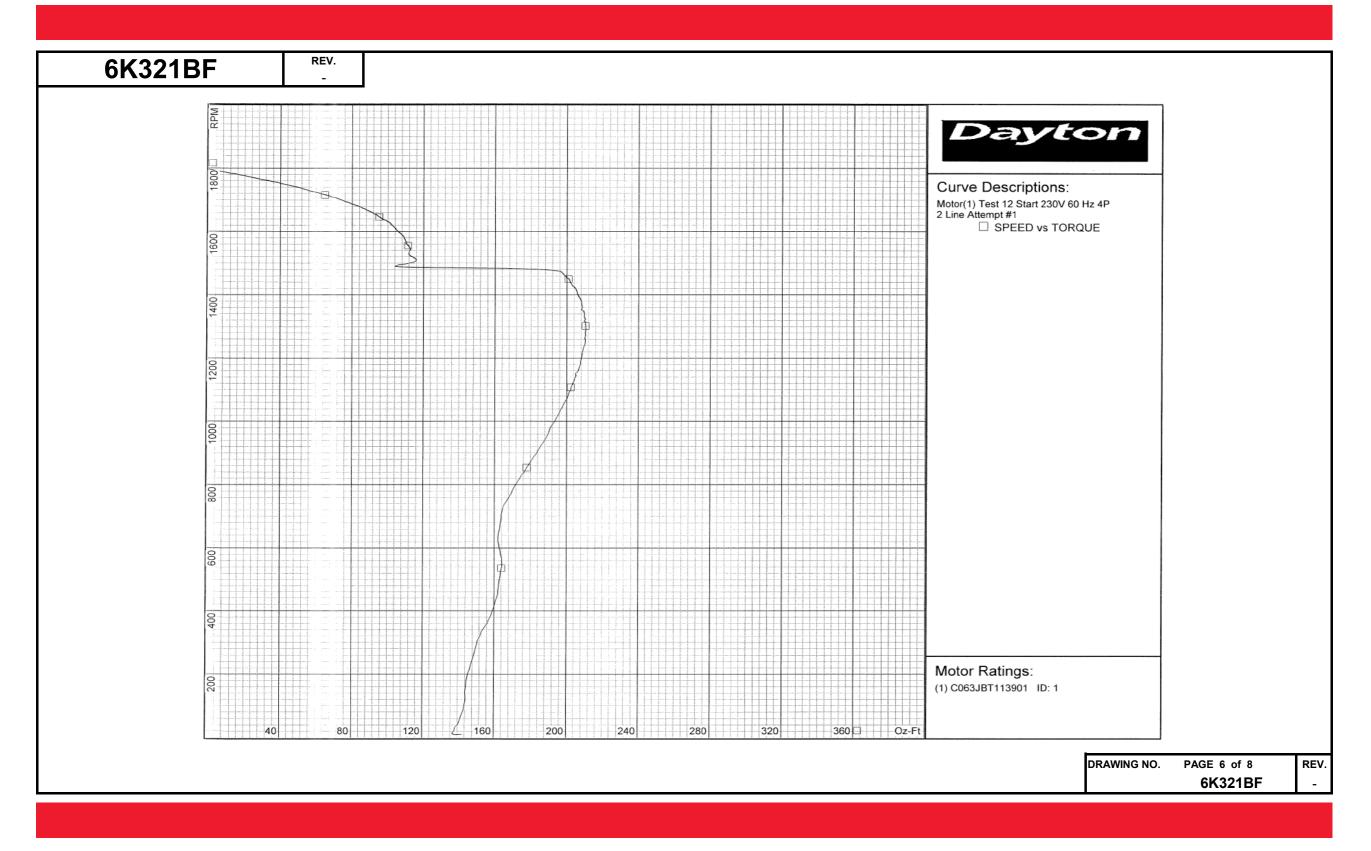






5K321BF	REV. -										
	Dayton Manufacturing Company										
Motor Des	scription					Test Con	ditions				
Model:	C063JBT11390	01		Test Type:			Run Ca	ap:	0		
Motor ID:	1			Test Numb			Start C	-	0µfd		
Poles:	4			Poles:	4		Start C	ap.	opila		
Volts:	115/208-230			Volts:	230		Tested		3/2/2012 1:4	44.03 PM	
Frequency:	60			Hz:	60		resteu	•	5/2/2012 1.	14.05 1 101	
HP:	1			Rotation:	00		Gear R	atio	1:1		
Speed:	1725				nd: 2 Line				: -1.12 Oz-Ft		
-	1723										
Phase:				Speed Con		C		ge Torque	: -3.36 Oz-Ft		
Protector:	CEJ51 CX			TestBoard	: Amtps P	erformance	Fixture #1				
Special Points	Vline	Iline	Watts	Speed	Tq(Oz-ft)	HP	Eff(%)	PF(%)			
-	230.0	37.32	7474	10	142.3	0.016	0.2	87.1			
PUT OZ-FT	230.0	37.39	7494	14	137.1	0.024	0.2	87.1			
	230.0 230.0	37.28 37.11	7481 7457	56 214	141.1 146.4	0.095 0.372	0.9 3.7	87.2 87.4			
	230.0	36.86	7433	359	156.1	0.667	6.7	87.7			
	230.0	36.38	7341	491	162.5	0.949	9.6	87.7			
	230.0	36.08	7258	612	162.4	1.183	12.2	87.5			
	230.0	36.33	7311	725	164.5	1.418	14.5	87.5			
	230.0 230.0	36.48 36.38	7405 7473	828 925	174.8 185.9	1.723 2.046	17.4 20.4	88.3 89.3			
	230.0	36.19	7503	1013	194.5	2.345	23.3	90.2			
	230.0	35.93	7515	1094	201.6	2.625	26.1	90.9			
	230.0	35.64	7510	1168	206.8	2.876	28.6	91.6			
	230.0 230.0	35.33 35.02	7510 7499	1236 1298	209.3 210.4	3.080 3.250	30.6 32.3	92.4 93.1			
	230.0	34.66	7474	1354	207.8	3.349	33.4	93.8			
	230.0	34.29	7443	1404	205.8	3.440	34.5	94.4			
	230.0	33.94	7411	1451	201.0	3.470	34.9	94.9			
	230.0 230.0	25.07 18.07	5053 3411	1486 1522	127.2 113.0	2.249 2.047	33.2 44.8	87.6 82.0			
	230.0	16.36	3096	1522	110.9	2.047	44.8	82.3			
	230.0	14.87	2825	1593	107.2	2.034	53.7	82.6			
	230.0	13.41	2548	1624	101.7	1.966	57.6	82.6			
	230.0	12.01	2273	1651	94.1	1.850	60.7	82.3			
	230.0 230.0	10.61 9.30	1977 1690	1677 1700	85.0 73.8	1.696 1.493	64.0 65.9	81.0 79.0			
	230.0	8.05	1394	1721	61.6	1.262	67.5	75.3			
	230.0	6.92	1106	1743	47.8	0.993	66.9	69.5			
	230.0	5.81	768	1763	30.9	0.649	63.1	57.5			
	230.0 230.0	5.10 4.89	449 216	1784 1798	12.4	0.264 0.000	43.8 0.0	38.3 19.2			
									<b></b>		
									DRAWING NO.	PAGE 5 of 6K321	

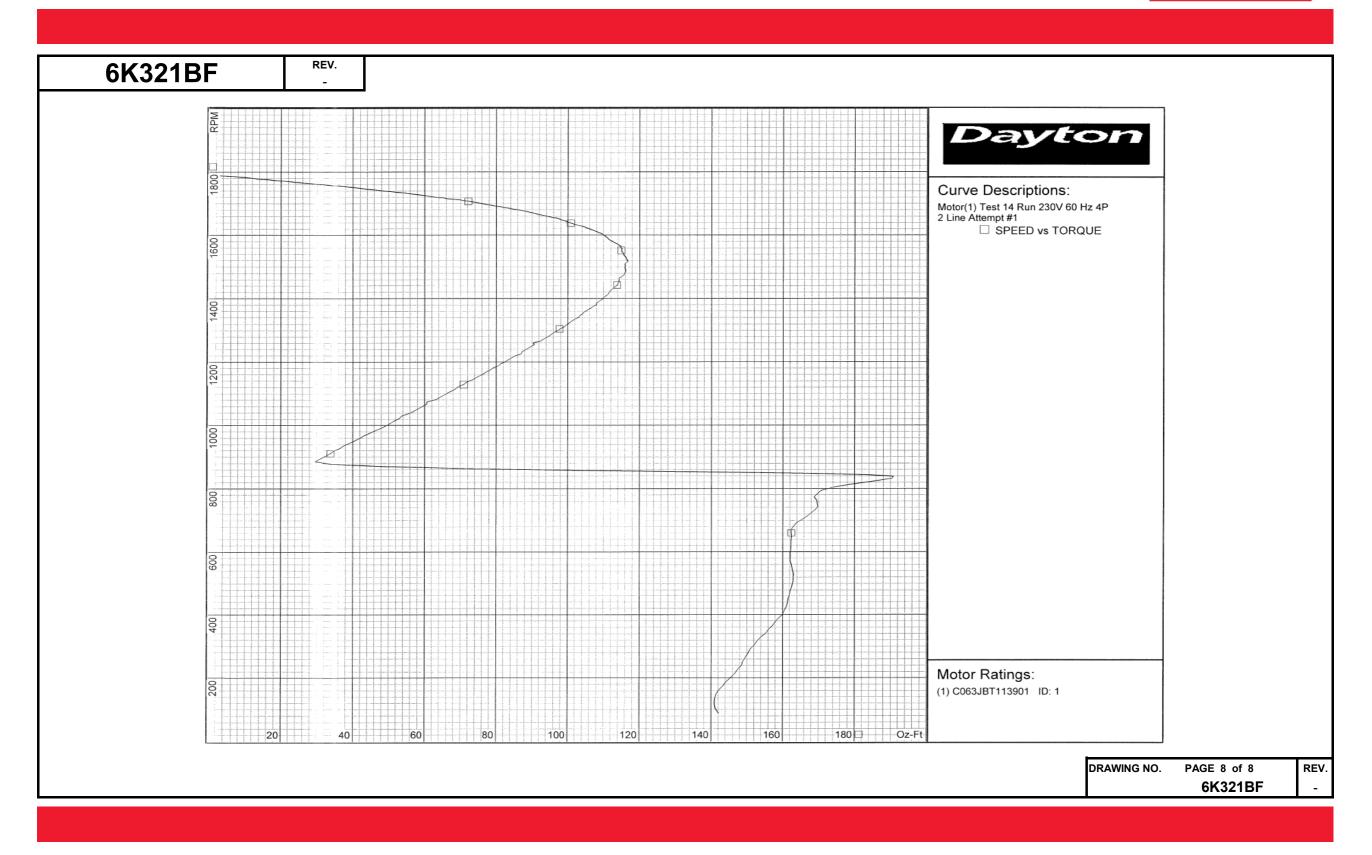






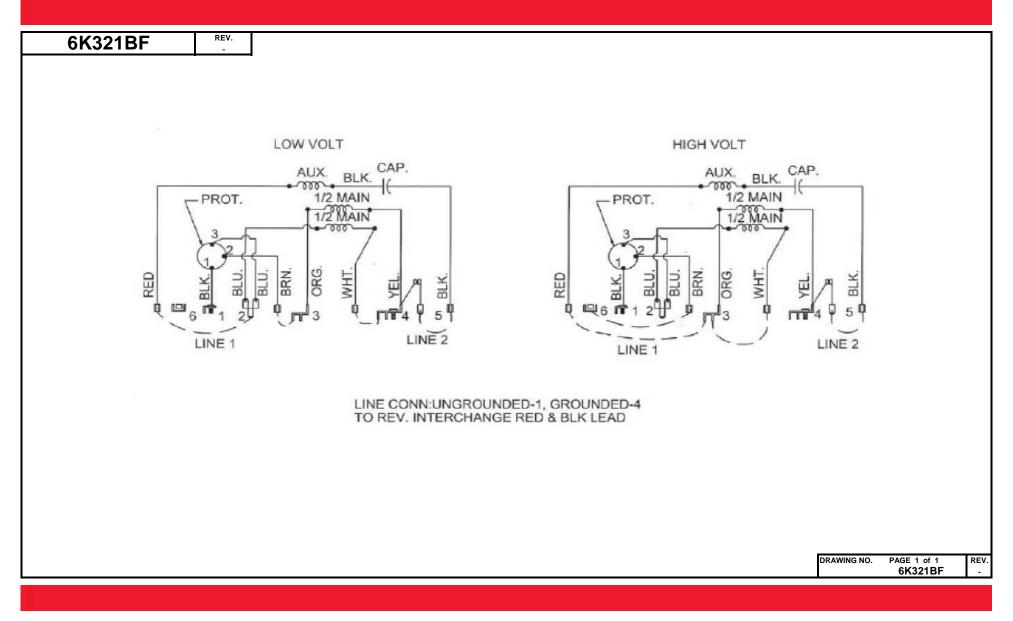
6K321BF	REV. -										
				Day	ton Ma	nufactu	ring Cor	npany			
Motor Des	cription			Test Conditions							
Model:	C063JBT11390	)1		Test Type:	Run		Run Ca	ap:	0		
Motor ID:	1			Test Number			Start C	-	0µfd		
Poles:	4			Poles:	4			- F -			
Volts:	115/208-230			Volts:	230		Tested		3/2/2012 1:10	0:56 PM	
Frequency:	60			Hz:	60		restea	-	0/2/2012 111	0.001.01	
HP:	ĩ			Rotation:	00		Gear R	atio	1:1		
Speed:	1725			Special Cond	· 2 Line				-1.12 Oz-Ft		
Phase:	1			Speed Conn:					-3.20 Oz-Ft		
Protector:	CEJ51 CX			TestBoard:		erformance		ge i orque.	-5.20 02-11		
Fiblector.	CEJJICA			restboard.	Amps	eriormanee	Fixture #1				
Special Points	Vline	Iline	Watts	Speed T	q(Oz-ft)	HP	Eff(%)	PF(%)			
_	230.0	4.83	222	1791	0.00	0.000	0.0	20.0			
	230.0	5.16	542	1773	18.50	0.391	53.8	45.6			
1 HP	230.0 230.0	6.02 6.86	869 1108	1755 1740	37.57 48.26	0.785 1.000	67.4 67.4	62.7 70.2			
48.7 OZ-FT	230.0	6.91	1123	1740	48.70	1.009	67.0	70.6			
	230.0	7.16	1188	1735	52.70	1.089	68.4	72.1			
1.15 HP	230.0	7.40	1250	1732	55.78	1.150	68.7	73.5			
60.87 OZ-FT	230.0	7.86	1367	1724	60.87	1.249	68.2	75.6			
1.25 HP 1725 RPM	230.0 230.0	7.86 7.81	1367 1354	1724 1725	60.90 60.30	1.250 1.238	68.2 68.2	75.6 75.4			
1725 RFM	230.0	8.41	1503	1715	65.91	1.346	66.8	77.7			
	230.0	9.75	1801	1694	78.74	1.588	65.8	80.3			
	230.0	11.14	2101	1671	89.83	1.787	63.5	82.0			
	230.0 230.0	12.56 14.00	2394 2672	1646 1619	99.09 106.04	1.941 2.044	60.5 57.1	82.9 83.0			
	230.0	15.42	2937	1591	111.07	2.103	53.4	82.8			
	230.0	16.84	3187	1559	114.89	2.133	49.9	82.3			
	230.0	18.23	3424	1525	116.36	2.113	46.0 <b>45.4</b>	81.6			
BDT OZ-FT	230.0 230.0	18.51 19.59	<b>3466</b> 3641	1518 1488	116.77 116.09	2.110 2.057	42.1	81.4 80.8			
	230.0	20.91	3838	1448	113.93	1.963	38.2	79.8			
	230.0	22.17	4016	1404	110.04	1.839	34.2	78.8			
	230.0 230.0	23.38 24.51	4175 4294	1356 1305	104.37 97.77	1.685 1.519	30.1 26.4	77.7 76.2			
	230.0	25.57	4418	1249	89.62	1.332	22.5	75.1			
	230.0	26.58	4519	1187	80.54	1.138	18.8	73.9			
	230.0	27.50	4591	1123	69.44	0.928	15.1	72.6			
	230.0 230.0	28.36 29.15	4661 4711	1052 975	58.17 44.76	0.729 0.520	11.7 8.2	71.5 70.3			
	230.0	29.87	4745	894	30.90	0.329	5.2	69.1			
	230.0	37.17	7659	832	190.34	1.884	18.4	89.6			
	230.0 230.0	36.65 36.32	7401 7300	733 628	168.96 162.29	1.474 1.213	14.9 12.4	87.8 87.4			
	230.0	36.31	7319	519	162.93	1.007	10.3	87.6			
	230.0	36.74	7419	402	159.99	0.765	7.7	87.8			
	230.0	37.08	7470	278	150.29	0.497	5.0	87.6			
	230.0	37.15	7460	147	141.32	0.247	2.5	87.3			
									DRAWING NO.	PAGE 7 of	
										6K321	





#### Wiring Diagram





Dayton Electric Mfg. Co. Lake Forest, IL 60045 USA

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