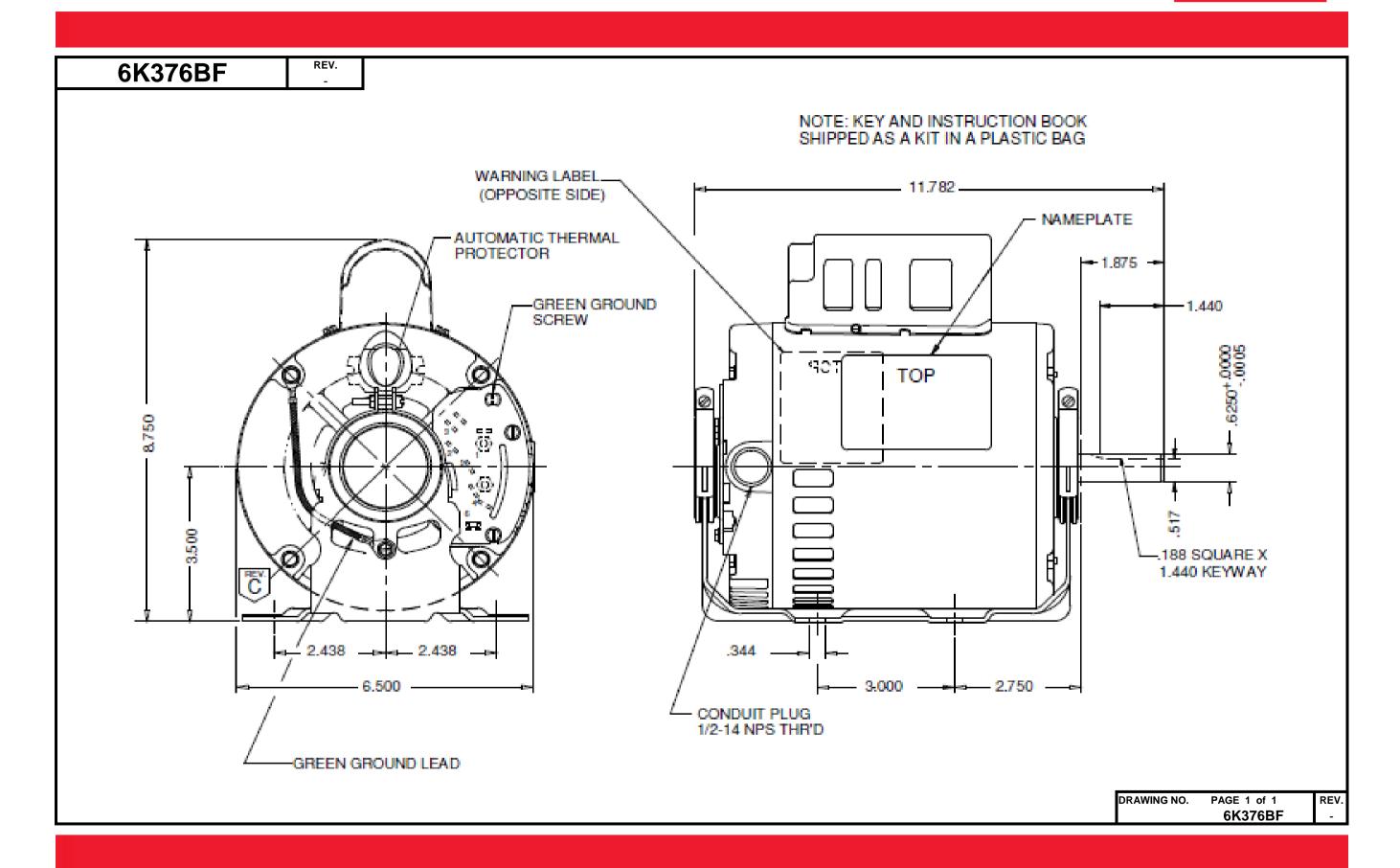
# **Dimensional Drawing**





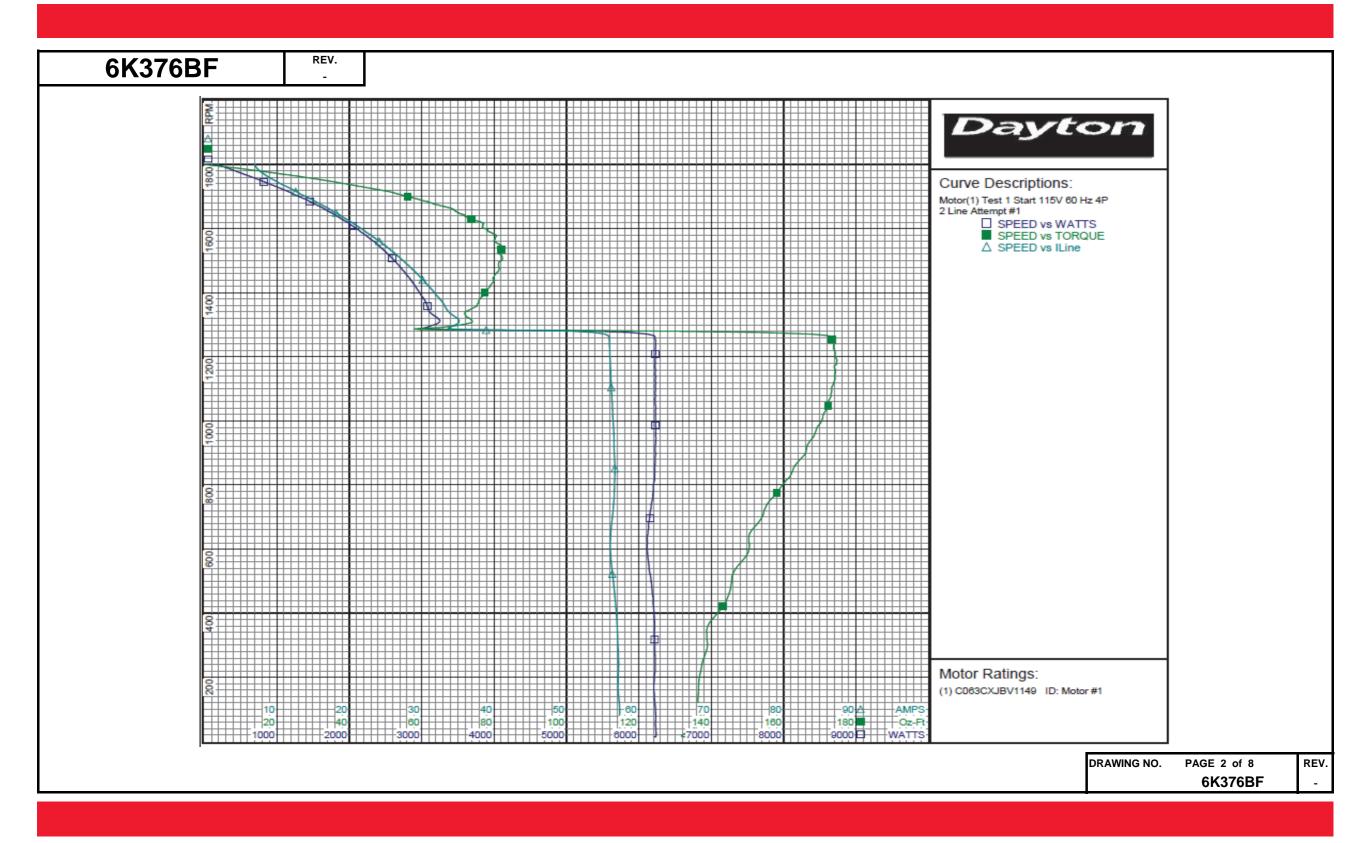


6K376BF	_										
	МОТО	R PERF	ORMA	NCE							
HP:	3/4,										
Poles:	4										
No. of Speeds:	1										
Volts:	115/230 & 110/220	115	230	110	220						
HZ:	60 & 50	60	60	50	50						
Service Factor:	1.25	20.0	05.74	25.5	22.0						
Efficiency:	@ Rated Load	68.3	65.71 73.7	65.5	66.2						
Power Factor:	@ Rated Load @ No Load	72.4	13.1	68.8	69.2						
Amps:	@ Rated Load	9.8	5	11.3	5.6	1					
	@ Service Factor	11.5	5.9	12.8	6.4						
	@ Locked Rotor	57.27	28.91	54.01	27.5						
RPM:	@ Rated Load	51.21	20.01	21.01	21.0						
Ambient (°C):	40					•	•				
Altitude (FASL):											
Torques:	Breakdown	84.43	82.11	100.63	98.18						
•	Locked Rotor	134.16	114.54	137.6	123.78						
	Pull-Up	131.76	111.59	137.6	123.05						
	Rated Load										
141-44-	Service Factor					<u> </u>					
Watts:	Rated Load										
KVA Code: Temperature Rise:	@ Rated Load	44		64.8		<u> </u>	-				
remperature Rise.	@ Service Factor	60.7		83.9							
Thermal Protector:	Trip Temp (°C)	00.7		05.8		1	<del> </del>				
Winding Material:	Start (Auxiliary)	Cu									
Timung materian	Run (Main)	Al									
Capacitor(s):	Start (MFD / Volts)		519 MFD / 125 VAC								
1 (7	No. of Start Capacitors										
	Run (MFD / Volts)	N/A									
	No. of Run Capacitors										
							Ļ				
	FORMANCE DATA:	_									
HP:											
Poles:						T	Т	Ι			
Volts:											
Efficiency:	@ Rated Load						-				
Power Factor:	@ Rated Load	+				1					
Amps:	@ No Load	+					<del> </del>				
VIIIha:	@ Rated Load	+									
	@ Service Factor	1									
	@ Locked Rotor										
Torques:	@ Rated Load										
•	Locked Rotor										
	Pull-Up										
	Rated Load										
141.44	Service Factor										
Watts:	@ Rated Load										
Temperature Rise:	@ Rated Load	1				ļ	-				
							-				
	@ Service Factor	+									



6K376BF	REV.									
				Da	ayton Ma	nufactu	ring Coi	npany		
Motor Des	scription					Test Con	ditions			
Model:	C063CXJBV	1149		Test Type:	Start		Run Ca	ар:	0	
Motor ID:	Motor #1			Test Numb	er: 1		Start C	ap:	0μfd	
Poles:	4			Poles:	4			-	•	
Volts:	115/230&11	0/220		Volts:	115		Tested		5/3/2012 10:2	9:34 AM
Frequency:	60&50			Hz:	60		Tested	Bv:	Sharp, Gerald	l
HP:	.75			Rotation:			Gear R		1:1	
Speed:	1725&1425			Special Co	nd: 2 Line		Bearin	g Friction:	-0.51 Oz-Ft	
Phase:	1			Speed Con					:-1.40 Oz-Ft	
Protector:	CEJ54CY			TestBoard		erformance		S <b>1</b>		
Special Points	Vline(V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)		
	115.0	57.27	6220	14	134.16	0.022	0.3	94.4		
PUT OZ-FT	115.0 115.0	<b>57.46</b> 57.37	<b>6238</b> 6234	17 42	131.76 135.34	0.026 0.067	0.3 0.8	<b>94.4</b> 94.5		
	115.0	57.13	6211	189	136.57	0.308	3.7	94.5		
	115.0	57.03	6214	345	138.69	0.570	6.8	94.8		
	115.0	56.54	6178	486	145.42	0.842	10.2	95.0		
	115.0 115.0	56.06 56.46	6116 6170	613 728	150.56 154.94	1.098	13.4 16.2	94.9 95.0		
	115.0	56.69	6217	833	162.01	1.606	19.3	95.4		
	115.0	56.55	6231	929	166.78	1.844	22.1	95.8		
	115.0	56.38	6226	1016	170.82	2.066	24.8	96.0		
	115.0 115.0	56.22 56.06	6230 6222	1096 1170	173.25 173.92	2.261 2.423	27.1 29.1	96.4 96.5		
	115.0	55.92	6229	1237	173.80	2.558	30.6	96.9		
	115.0	38.92	3699	1284	68.37	1.045	21.1	82.6		
	115.0	34.28	3161	1330	72.06	1.141	26.9	80.2		
	115.0 115.0	32.09 29.96	2997 2832	1390 1445	77.19 79.64	1.277 1.370	31.8 36.1	81.2 82.2		
	115.0	27.83	2659	1491	81.25	1.442	40.5	83.1		
	115.0	25.77	2480	1531	81.61	1.487	44.7	83.7		
	115.0	23.75	2294	1566	80.33	1.498	48.7	84.0		
	115.0	21.69	2103	1599	77.47	1.475	52.3	84.3		
	115.0 115.0	19.62 17.60	1900 1698	1629 1655	73.68 69.21	1.428	56.1 59.9	84.2 83.9		
	115.0	15.68	1494	1680	62.59	1.252	62.5	82.9		
	115.0	13.77	1282	1702	55.50	1.125	65.5	81.0		
	115.0	11.95	1066	1724	46.60	0.956	66.9	77.6		
	115.0 115.0	10.12 8.62	836 612	1745 1764	36.25 25.32	0.753 0.532	67.2 64.8	71.8 61.7		
	115.0	7.45	380	1783	12.46	0.265	52.0	44.3		
	115.0	6.99	161	1800	0.00	0.000	0.0	20.0		
									DRAWING NO.	PAGE 1 of 8
										6K376B

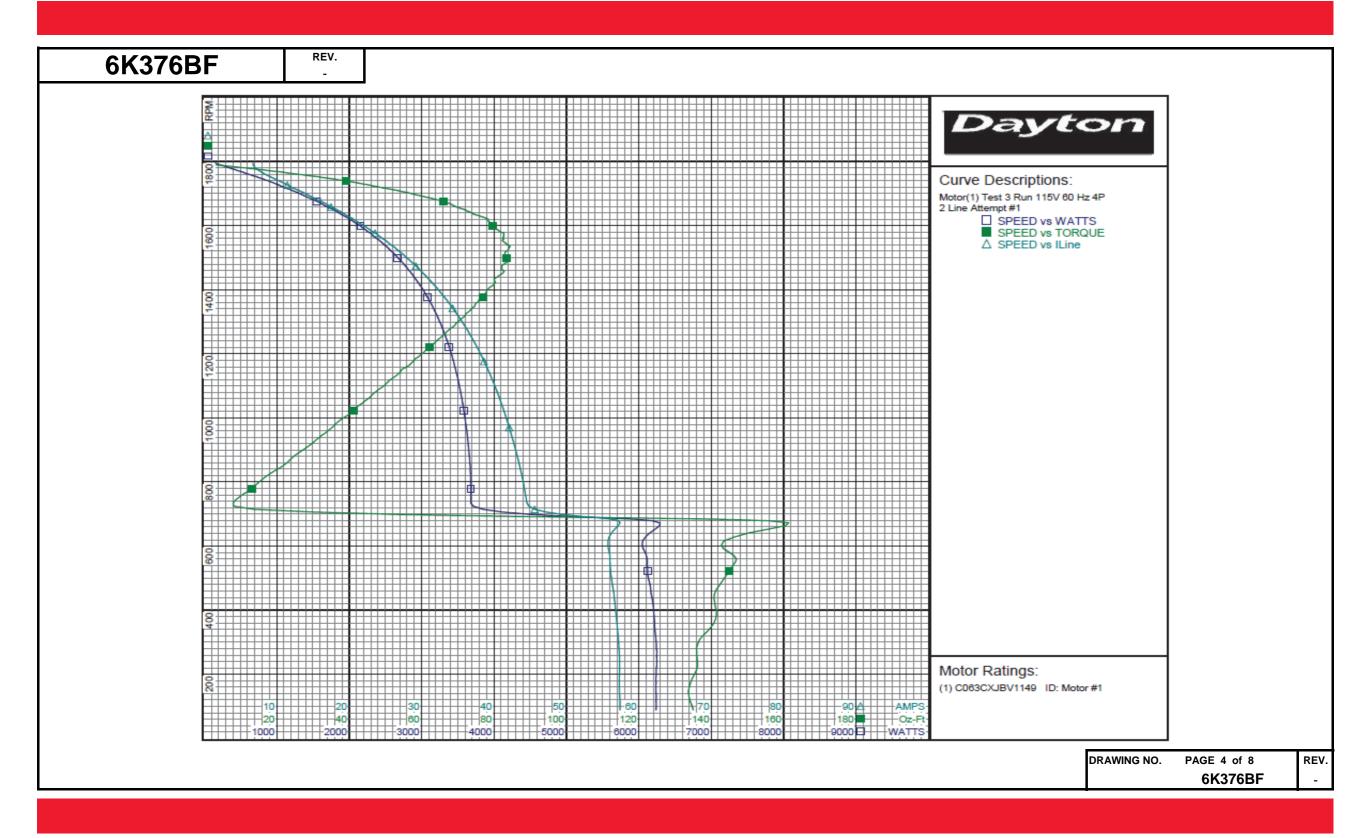






	-										
	Dayton Manufacturing Company										
Motor Des	cription					Test Con	ditions				
Model:	C063CXJBV	V1149		Test Type:			Run Ca	ap:	0		
Motor ID:	Motor #1			Test Numb	per: 3		Start C	ap:	0μfd		
Poles:	4			Poles:	4			•	•		
Volts:	115/230&11	0/220		Volts:	115		Tested	:	5/3/2012 10:16:	:26 AM	
Frequency:	60&50			Hz:	60		Tested	By:	Sharp, Gerald		
HP:	.75			Rotation:			Gear R		1:1		
Speed:	1725&1425			Special Co	nd: 2 Line		Bearin	g Friction:	-0.51 Oz-Ft		
Phase:	1			Speed Con					: -1.40 Oz-Ft		
Protector:	CEJ54CY			TestBoard		erformance		_			
Special Points	Vline(V)	Iline (A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)			
	115.0	6.70	146	1794	0.00	0.000	0.0	19.0			
	115.0 115.0	7.27 8.76	400 669	1776 1755	14.33 28.80	0.303 0.602	56.5 67.1	47.8 66.4			
0.75 HP	115.0	9.84	819	1744	36.12	0.750	68.3	72.4			
36.52 OZ-FT	115.0	9.91	828	1743	36.52	0.758	68.3	72.6			
0.938 HP	115.0 115.0	10.52 11.50	906 <b>1031</b>	1737 <b>1726</b>	40.06 <b>45.63</b>	0.828 <b>0.938</b>	68.2 <b>67.8</b>	74.8 <b>77.9</b>			
1725 RPM	115.0	11.56	1031	1725	45.93	0.943	67.8	78.1			
45.65 OZ-FT	115.0	11.51	1032	1726	45.65	0.938	67.8	78.0			
	115.0	12.24	1122	1717	49.49	1.011	67.3	79.7			
	115.0 115.0	14.36 16.57	1363 1602	1695 1670	58.89 67.34	1.188	65.1 62.3	82.5 84.1			
	115.0	18.60	1814	1645	72.46	1.419	58.4	84.8			
	115.0	20.63	2015	1618	78.48	1.512	56.0	84.9			
	115.0 115.0	22.73 24.76	2214 2395	1589 1557	80.69 82.74	1.526 1.534	51.4 47.8	84.7 84.1			
BDT OZ-FT	115.0	26.14	2518	1534	84.43	1.542	45.7	83.8			
	115.0	26.74	2570	1523	83.77	1.518	44.1	83.6			
	115.0 115.0	28.65 30.52	2731 2882	1485 1444	83.49 81.46	1.476	40.3 36.3	82.9 82.1			
	115.0	32.28	3018	1400	78.25	1.305	32.2	81.3			
	115.0	33.97	3140	1352	74.75	1.204	28.6	80.4			
	115.0 115.0	35.58 37.09	3247 3347	1300 1244	70.17 64.50	1.086 0.955	25.0 21.3	79.4 78.5			
	115.0	38.49	3430	1184	58.15	0.819	17.8	77.5			
	115.0	39.80	3507	1117	51.16	0.680	14.5	76.6			
	115.0 115.0	41.00 42.11	3566 3617	1046 970	43.65 35.35	0.543 0.408	11.4	75.6 74.7			
	115.0	43.12	3655	888	25.62	0.271	5.5	73.7			
	115.0	44.04	3676	800	15.18	0.145	2.9	72.6			
	115.0 115.0	47.24 55.90	4119 6089	706 628	30.25	0.254 1.093	4.6 13.4	75.8 94.7			
	115.0	56.06	6121	532	146.30 145.61	0.922	11.2	95.0			
	115.0	56.74	6200	411	141.10	0.691	8.3	95.0			
	115.0 115.0	57.25 57.32	6241 6236	282 146	135.90 133.66	0.456 0.232	5.5 2.8	94.8 94.6			
									DD AWENG NG	DACE 6	
									DRAWING NO.	PAGE 3 6K37	

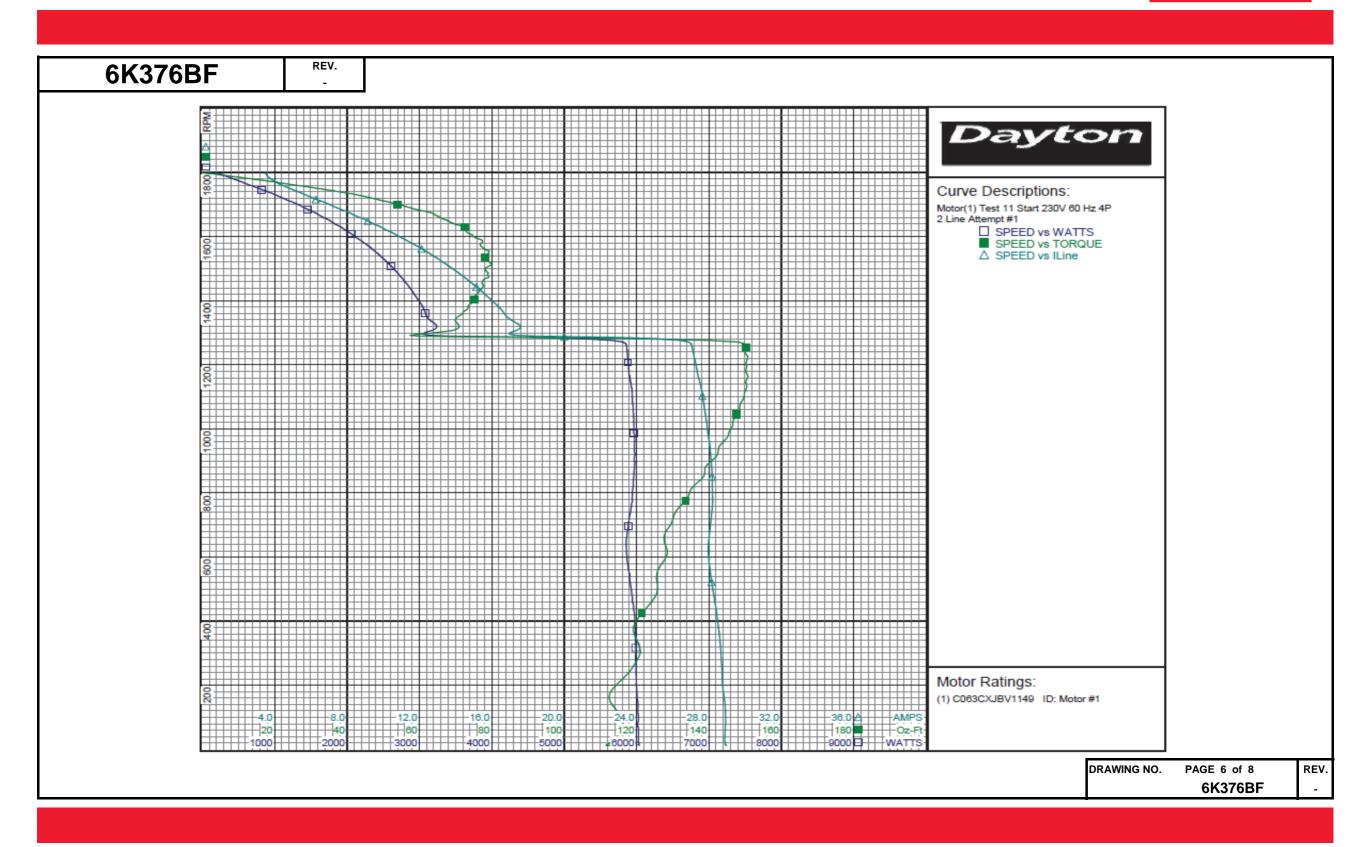






6K376BF	REV. -									
				Da	yton Ma	nufactu	ring Cor	npany		
Motor De	scription					Test Con	ditions			
Model:	C063CXJBV	71149		Test Type:			Run Ca	ap:	0	
Motor ID:	Motor #1			Test Numb			Start C	_	0μfd	
Poles:	4			Poles:	4				0,120	
Volts:	115/230&110	0/220		Volts:	230		Tested	-	5/2/2012 12:1	5:08 PM
Frequency:	60&50			Hz:	60		Tested		Sharp, Gerald	
HP:	.75			Rotation:			Gear R		1:1	
Speed:	1725&1425				nd: 2 Line				-0.55 Oz-Ft	
Phase:	1			Speed Con					: -2.27 Oz-Ft	
Protector:	CEJ54CY			TestBoard:		erformance		81		
Special Points	Vline(V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)		
DEM OF BM	230.0	28.91	6024	14	114.54	0.019	0.2	90.6		
PUT OZ-FT	230.0 230.0	28.94 28.88	<b>6036</b> 6026	<b>12</b> 40	111.59 114.61	0.017 0.055	0.2 0.7	<b>90.7</b> 90.7		
	230.0	28.77	6002	189	113.45	0.255	3.2	90.7		
	230.0	28.60	5982	345	119.89	0.492	6.1	91.0		
	230.0 230.0	28.25 27.96	5933 5860	485 612	125.55 128.52	0.725 0.936	9.1 11.9	91.3 91.1		
	230.0	28.14	5900	726	130.22	1.126	14.2	91.2		
	230.0	28.19	5953	833	136.88	1.357	17.0	91.8		
	230.0 230.0	28.07 27.88	5969 5962	929 1016	142.54 146.58	1.577 1.773	19.7 22.2	92.4 93.0		
	230.0	27.66	5941	1097	149.63	1.954	24.5	93.4		
	230.0	27.38	5896	1170	150.51	2.097	26.5	93.6		
	230.0 230.0	27.14 20.01	5871 3816	1237 1287	149.98 69.13	2.208 1.060	28.1 20.7	94.1 82.9		
	230.0	17.23	3173	1335	70.03	1.113	26.2	80.1		
	230.0	16.12	3008	1394	74.74	1.240	30.8	81.1		
	230.0 230.0	15.06	2844 2669	1447 1493	77.85 78.36	1.341	35.2 38.9	82.1 82.9		
	230.0	14.00 12.97	2494	1532	78.42	1.430	42.8	83.6		
	230.0	11.95	2311	1568	77.22	1.442	46.5	84.1		
	230.0	10.88	2110	1600	74.96	1.428	50.5	84.3		
	230.0 230.0	9.89 8.88	1921 1712	1629 1656	72.60 66.46	1.408 1.310	54.7 57.1	84.4 83.8		
	230.0	7.89	1507	1680	61.02	1.220	60.4	83.0		
	230.0	6.92	1294	1703	53.30	1.081	62.3	81.3		
	230.0 230.0	5.95 5.07	1072 845	1724 1745	45.26 34.88	0.929 0.724	64.7 64.0	78.3 72.5		
	230.0	4.30	628	1762	24.29	0.510	60.6	63.5		
	230.0 230.0	3.74 3.49	404 196	1781 1798	12.14	0.258	47.5 0.0	47.0 24.5		
									DRAWING NO.	PAGE 5 of 8
										6K376BI

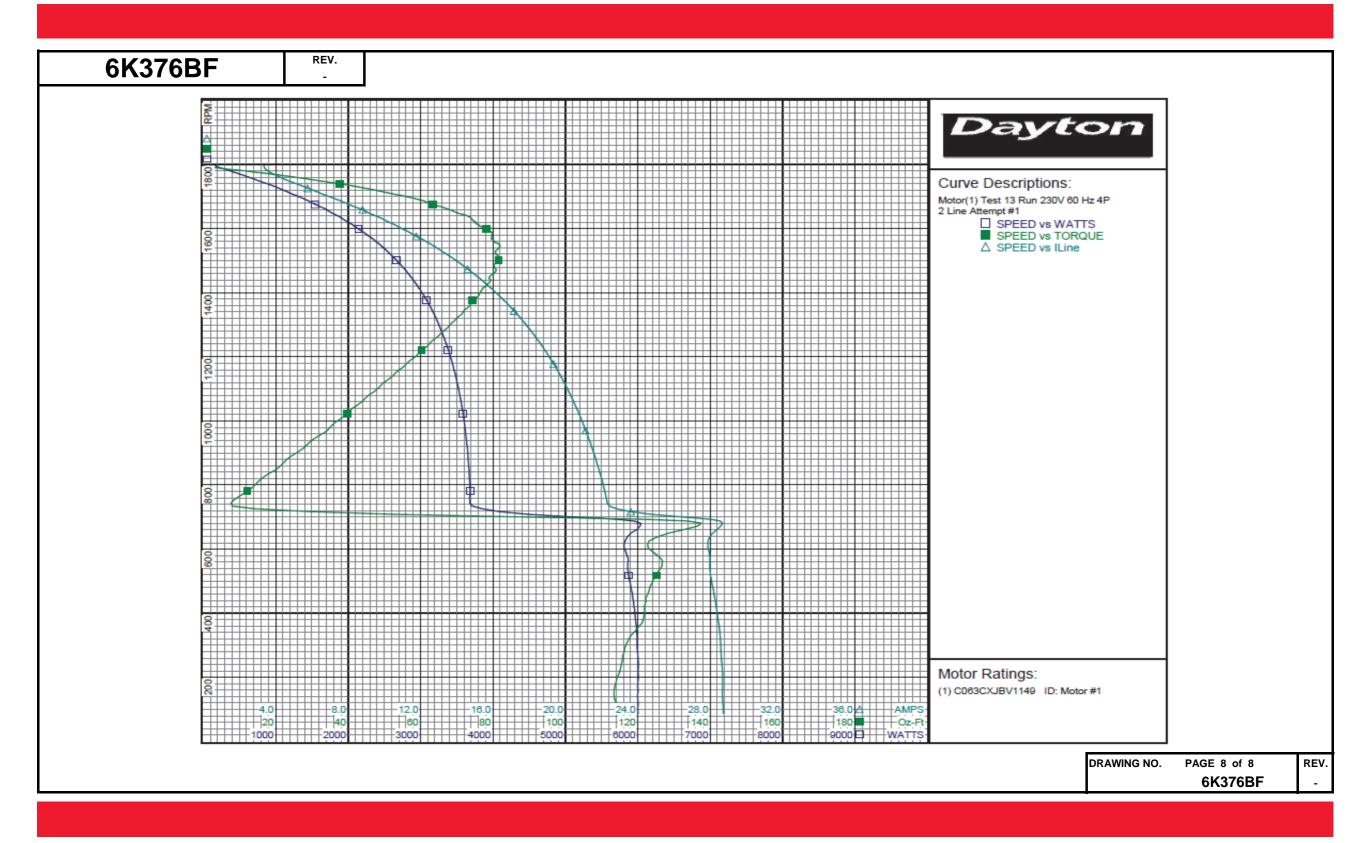






K376BF	REV. -										
	Dayton Manufacturing Company										
Motor Des	cription					Test Con	ditions				
Model:	C063CXJBV	V1149		Test Type:	Run		Run Ca	ap:	0		
Motor ID:	Motor #1			Test Numbe			Start C	_	0μfd		
Poles:	4			Poles:	4						
Volts:	115/230&11	0/220		Volts:	230		Tested	-	5/2/2012 10:3	4:21 AM	
Frequency:	60&50			Hz:	60		Tested		Sharp, Gerald		
HP:	.75			Rotation:			Gear R		1:1		
Speed:	1725&1425			Special Con	nd: 2 Line				-0.56 Oz-Ft		
Phase:	1			Speed Conn					: -2.05 Oz-Ft		
Protector:	CEJ54CY			TestBoard:		erformance		ge rerque	2.03 0210		
Consist Points	Wine (II)	T1: (3)	W-++-	DDM	m-/0- £t)	HD.	P.E.E. (0.)	DE (8.)			
Special Points	Vline(V) 230.0	Iline (A) 3.34	Watts 164	RPM 1795	Tq(Oz-ft) 0.00	0.000	Eff(%)	PF(%) 21.3			
	230.0	3.66	419	1776	14.14	0.299	53.2	49.8			
	230.0	4.36	666	1757	27.30	0.571	64.0	66.4			
0.75 HP 36.52 OZ-FT	230.0	5.02 5.05	851	1742	36.17	0.750 0.757	65.7	73.7 73.9			
36.52 OZ-FT	230.0 230.0	5.23	<b>859</b> 905	<b>1741</b> 1737	<b>36.52</b> 38.65	0.799	<b>65.8</b> 65.9	75.2			
1725 RPM	230.0	5.81	1047	1725	45.00	0.924	65.8	78.4			
0.938 HP	230.0	5.88	1063	1724	45.69	0.938	65.8	78.7			
45.65 OZ-FT	230.0	5.87	1062	1724	45.65	0.937	65.8	78.7			
	230.0 230.0	6.15 7.20	1127 1372	1718 1694	48.33 58.21	0.988 1.174	65.4 63.9	79.7 82.8			
	230.0	8.23	1590	1670	64.73	1.287	60.4	84.0			
	230.0	9.26	1801	1645	71.10	1.392	57.7	84.6			
	230.0 230.0	10.27 11.36	2002 2209	1619 1589	75.32 79.61	1.452 1.506	54.1 50.9	84.8 84.6			
	230.0	12.37	2396	1557	80.43	1.491	46.4	84.3			
	230.0	13.36	2569	1523	80.68	1.462	42.5	83.6			
BDT OZ-FT	230.0	13.86	2653	1504	82.11	1.470	41.3	83.2			
	230.0 230.0	14.33 15.26	2731 2882	1485 1445	80.23 78.87	1.418 1.357	38.8 35.1	82.9 82.1			
	230.0	16.15	3017	1400	76.63	1.278	31.6	81.2			
	230.0	17.01	3143	1352	73.00	1.175	27.9	80.3			
	230.0 230.0	17.81 18.57	3251 3347	1300 1245	68.24 62.76	1.056 0.930	24.2 20.7	79.3 78.3			
	230.0	19.29	3435	1183	56.57	0.797	17.3	77.4			
	230.0	19.94	3503	1118	49.54	0.659	14.0	76.4			
	230.0 230.0	20.56 21.11	3569 3617	1046 970	42.14 34.25	0.525 0.395	11.0 8.2	75.5 74.5			
	230.0	21.63	3654	888	23.98	0.253	5.2	73.4			
	230.0	22.09	3679	800	14.29	0.136	2.8	72.4			
	230.0	24.75	4490	708	52.81	0.445	7.4	78.9			
	230.0 230.0	27.88 28.00	5825 5867	625 528	123.10 125.54	0.916 0.790	11.7 10.0	90.8 91.1			
	230.0	28.36	5957	408	121.89	0.592	7.4	91.3			
	230.0	28.59	5996	279	116.23	0.386	4.8	91.2			
	230.0	28.67	5995	143	113.40	0.194	2.4	90.9			
									DRAWING NO.	PAGE 7 d	
										6K37	

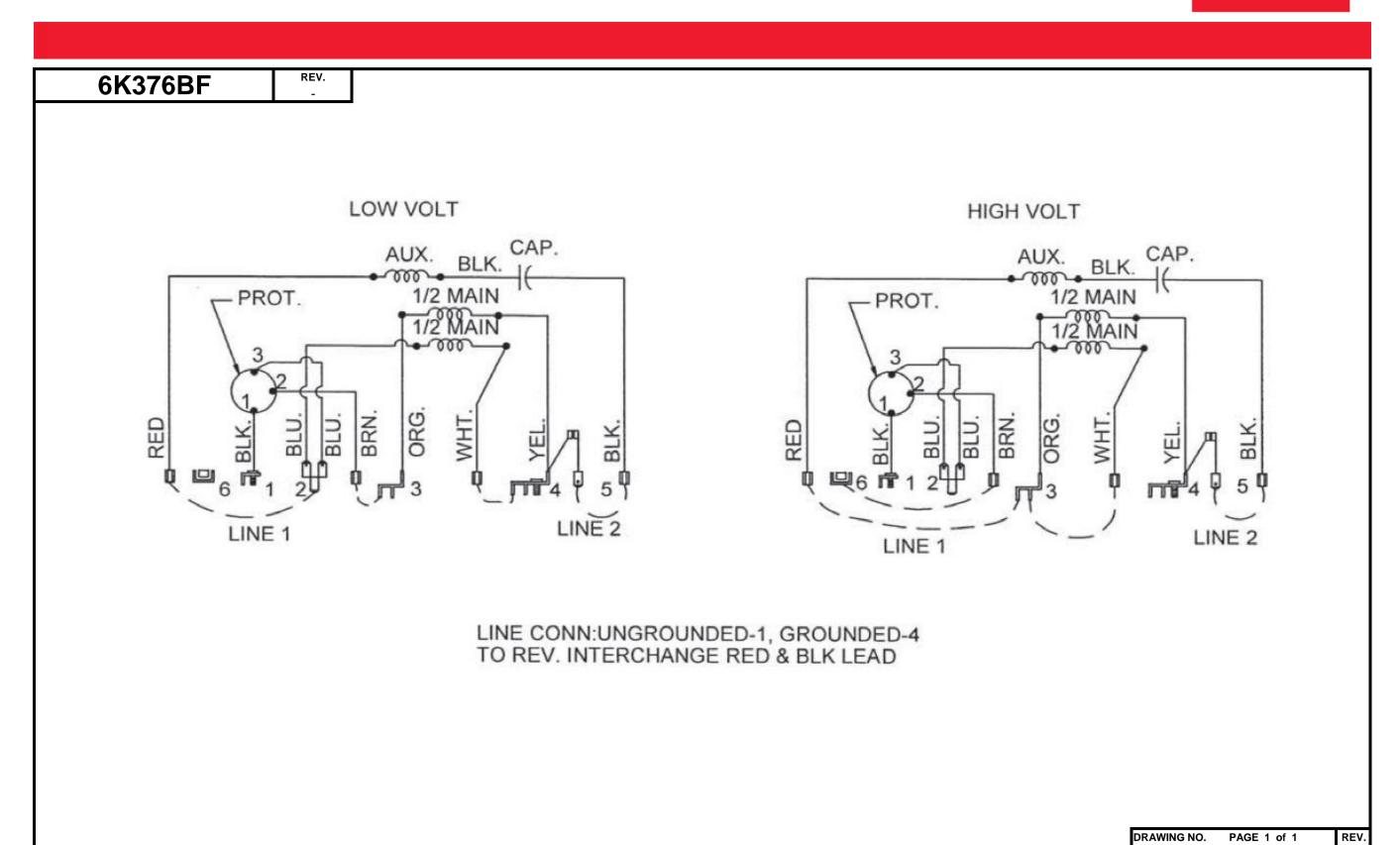




# **Wiring Diagram**



6K376BF



#### Dayton® BELT DRIVE FAN & **BLOWER MOTOR**

HP: 3/4 VOLTS: 115/230 & 110/220

Part 6K376BF **PH**· 1

Disconnect Power Before Making Any

FR: 56 INS CL: B

HZ: 60 & 50

AMB: 40 °C SFA: 11.5/5.9 & 12.8/6.4 MFG. NO. PROT. CODE: 00160 AVG. F.L.

115 VOLTS

Electrical Conections or Changes CONNECTIONS 208 - 230 VOLTS





MTR REF: C63CXJBV-1149

THERMALLY PROTECTED: AUTO

AMPS: 9 8/5 0 & 11 3/5 6

RPM: 1725 & 1425

**DUTY: CONT** 

KVA CODE: K

ENCL: ODP

SF: 1.25

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

Made in Mexico

MOTOR IS CCW ROTATION LEAD END TO REVERSE ROTATION INTERCHANGE

RED AND BLACK LEADS