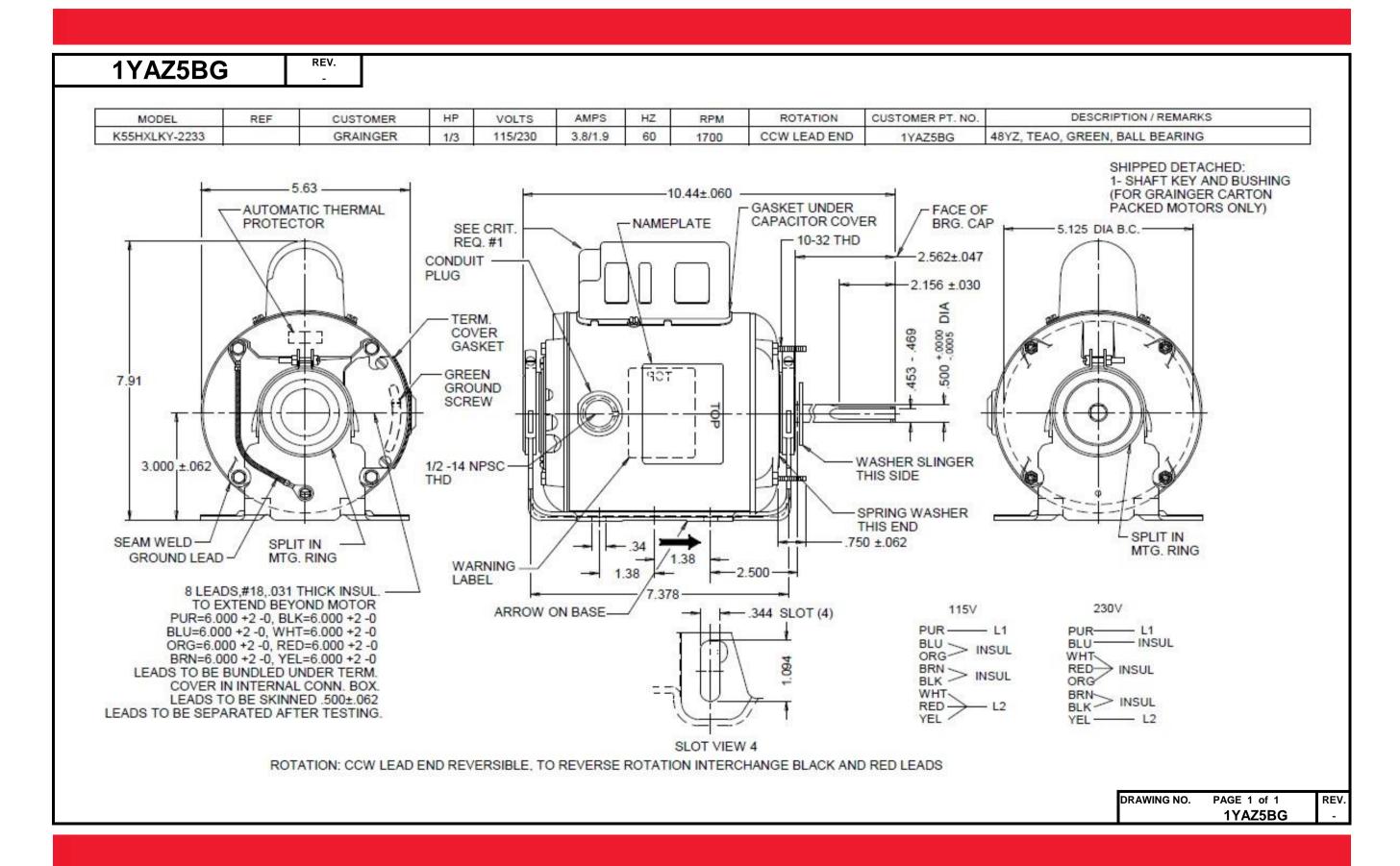
Dimensional Drawing







1YAZ5BG REV.

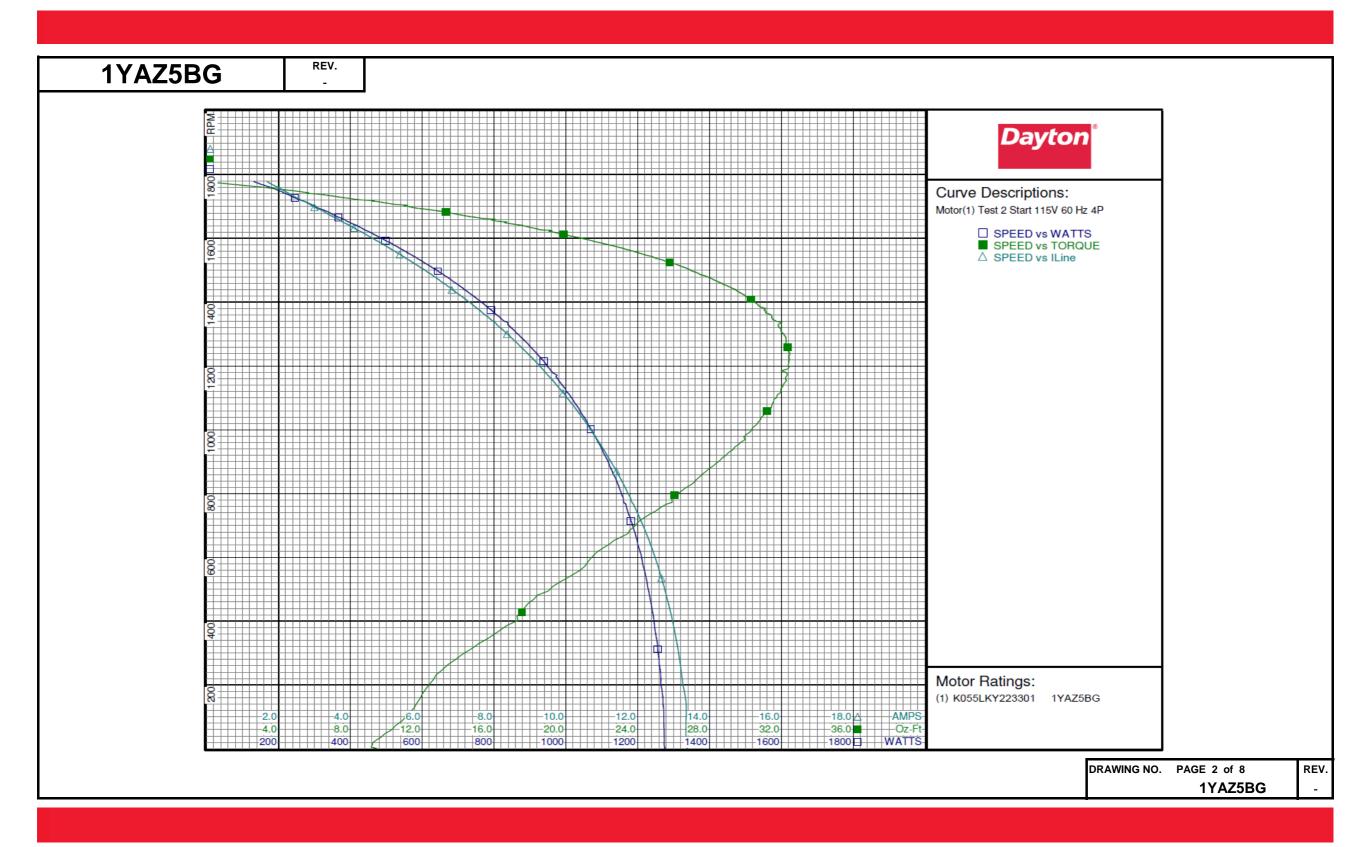
	OLIABED BOLE		TOD 0	EDEA	· ·			
	SHADED-POLE &	PSC MC	TOR P	ERFO	RMAN	ICE		
HP:	1/3							
Poles:	4							
Ambient (°C):	40							
Altitude (FASL):								
No. of Speeds:	1							
•	•	HIGH SP	EED					
Volts:	115/230	115	230					
HZ:	60	60	60					
Service Factor:	1							
Efficiency:	@ Rated Load	61.9	61.0					
Power Factor:	@ Rated Load	91.0	91.2					
Amps:	@ No Load							
	@ Rated Load	3.74	1.89					
	@ Locked Rotor	13.38	6.74					
RPM:	@ Rated Load	1654	1654					
Torques:	Breakdown	33.4	33.7					
	Locked Rotor	9.44	9.15					
	Pull-Up	9.16	8.92					
	Rated Load	16.5	16.5					
	Service Factor	16.5	16.5					
Watts:	Rated Load	391	397					
Temperature Rise:	@ Rated Load	TEAO	TEAO					
Thermal Protector:	Trip Temp (°C)	TEAO	TEAO					
Winding Material:	Start (Auxiliary)	Cu	Cu					
• · · · · · · · · · · · · · · · · · · ·	Run (Main)	Cu	Cu					
Capacitor(s):	Run (MFD / Volts) 10							
	No. of Run Capacitors							
	ME	DIUM-HIG	H SPEEI	D				
HP:								
Volts:								
HZ:								
Efficiency:	@ Rated Load							
Power Factor:	@ Rated Load							
Amps:	@ No Load							
-	@ Rated Load							
	@ Locked Rotor							
Torques:	Breakdown							
Oz.Ft. / Lb.In.	Locked Rotor							
(Circle One)	Pull-Up							
(/	Rated Load							
Watts:	@ Rated Load							
Temperature Rise:	@ Rated Load							

DRAWING NO. PAGE 1 of 1 REV. 1YAZ5BG -



		_		ъ	4 . M	. 6 4							
				D	ayton Ma	anufactu	ring Con	ıpany					
Motor Des	cription					Test Con							
Model:	K055LKY223	301 1YAZ	25BG	Test Type:			Run Caj		10 μfd				
Motor ID: Poles:	1 4			Test Numb Poles:	er: 2 4		Start Ca Environ		0 μfd				
Volts:	115-230			Volts:	115		Tested:	ment.	3/30/2010 1:3	5·19 PM			
Frequency:	60			Hz:	60		Tested 1	By:	Sharp, Gerald				
HP:	1/3			Rotation:			Gear Ra		1:1				
Speed:	1700			Special Co					-0.85 Oz-Ft				
Phase:	1			Speed Con		Darfarmanaa		e Torque:	:-3.09 Oz-Ft				
Protector:	7AM036			TestBoard	Amps	Performance	rixtule #4						
Special Points	Vline(V) 115.0	Vaux (V) 33.3	Vcap(V) 130.6	Iline (A) 13.382	Imain(A) 13.550	Iaux (A) 0.490	Watts 1276.4	RPM 0	Tq(Oz-ft) 9.44	HP 0.000	Eff(%) 0.0	PF(%) 82.9	Cap 10.0
PUT OZ-FT	115.0	33.5	130.6	13.362	13.530	0.490	1274.4	5	9.16	0.001	0.0	82.9	10.0
	115.0	34.7	129.5	13.348	13.505	0.485	1273.8	26	9.42	0.003	0.2	83.0	9.9
	115.0	43.0	122.8	13.311	13.412	0.453	1268.4	171	12.01	0.024	1.4	82.9	9.8
	115.0 115.0	57.3 72.2	121.6 122.5	13.066 12.762	13.106 12.745	0.448 0.452	1252.5 1230.6	344	15.63 19.01	0.064	3.8 6.8	83.4 83.8	9.8 9.8
	115.0	87.3	125.5	12.762	12.745	0.452	1203.1	494 630	22.09	0.112	10.3	84.4	9.8
	115.0	101.8	130.6	11.967	11.833	0.489	1171.7	745	25.01	0.222	14.1	85.1	9.9
	115.0	116.3	137.5	11.496	11.303	0.515	1136.6	852	27.44	0.278	18.3	86.0	9.9
	115.0	130.0	145.5	11.009	10.765	0.544	1097.2	946	29.40	0.331	22.5	86.7	9.9
	115.0	143.4	154.4	10.497	10.198	0.577	1055.0	1031	30.83	0.378	26.8	87.4	9.9
	115.0 115.0	156.4 169.2	163.8 174.1	9.974 9.439	9.623 9.049	0.612 0.650	1010.2 963.2	1109 1179	31.76 32.31	0.419 0.453	30.9 35.1	88.1 88.7	9.9 9.9
	115.0	181.5	184.5	8.899	8.459	0.688	915.7	1243	32.44	0.480	39.1	89.5	9.9
	115.0	193.3	195.1	8.364	7.879	0.726	865.8	1300	32.11	0.497	42.8	90.0	9.9
	115.0	204.7	205.6	7.826	7.297	0.765	814.7	1354	31.45	0.507	46.4	90.5	9.9
	115.0	215.9	216.3	7.292	6.724	0.804	762.9	1401	30.49	0.509	49.7	91.0	9.9
	115.0	226.3	226.5	6.782	6.177	0.840	712.5	1444	29.22	0.502	52.6	91.4	9.8
	115.0 115.0	235.9 246.3	236.1 247.0	6.299 5.773	5.662 5.103	0.875 0.914	663.2 608.7	1483 1522	27.73 25.92	0.489 0.469	55.0 57.5	91.5 91.7	9.8 9.8
	115.0	255.8	256.7	5.288	4.595	0.949	558.4	1555	24.01	0.444	59.4	91.8	9.8
	115.0	264.7	266.0	4.848	4.135	0.981	511.5	1585	21.97	0.415	60.5	91.8	9.8
	115.0	273.1	275.1	4.417	3.689	1.013	465.1	1612	19.88	0.382	61.2	91.6	9.8
	115.0	281.5	284.1	4.009	3.275	1.044	420.1	1639	17.69	0.345	61.3	91.1	9.7
	115.0	289.4	292.7	3.628	2.897	1.075	377.0	1662	15.41	0.305	60.3	90.4	9.7
	115.0 115.0	297.8 306.7	301.8 311.5	3.245 2.883	2.529 2.199	1.107 1.141	333.5 291.3	1685 1706	13.06 10.58	0.262 0.215	58.6 55.0	89.4 87.9	9.7 9.7
	115.0	315.9	322.1	2.536	1.929	1.180	248.9	1725	7.97	0.164	49.0	85.3	9.7
	115.0	326.6	334.2	2.194	1.698	1.224	207.5	1747	5.14	0.107	38.4	82.2	9.7
	115.0	334.3	344.9	1.904	1.624	1.263	165.8	1764	2.37	0.050	22.4	75.7	9.7
	115.0	339.2	352.0	1.680	1.631	1.288	131.3	1778	0.00	0.000	0.0	67.9	9.7

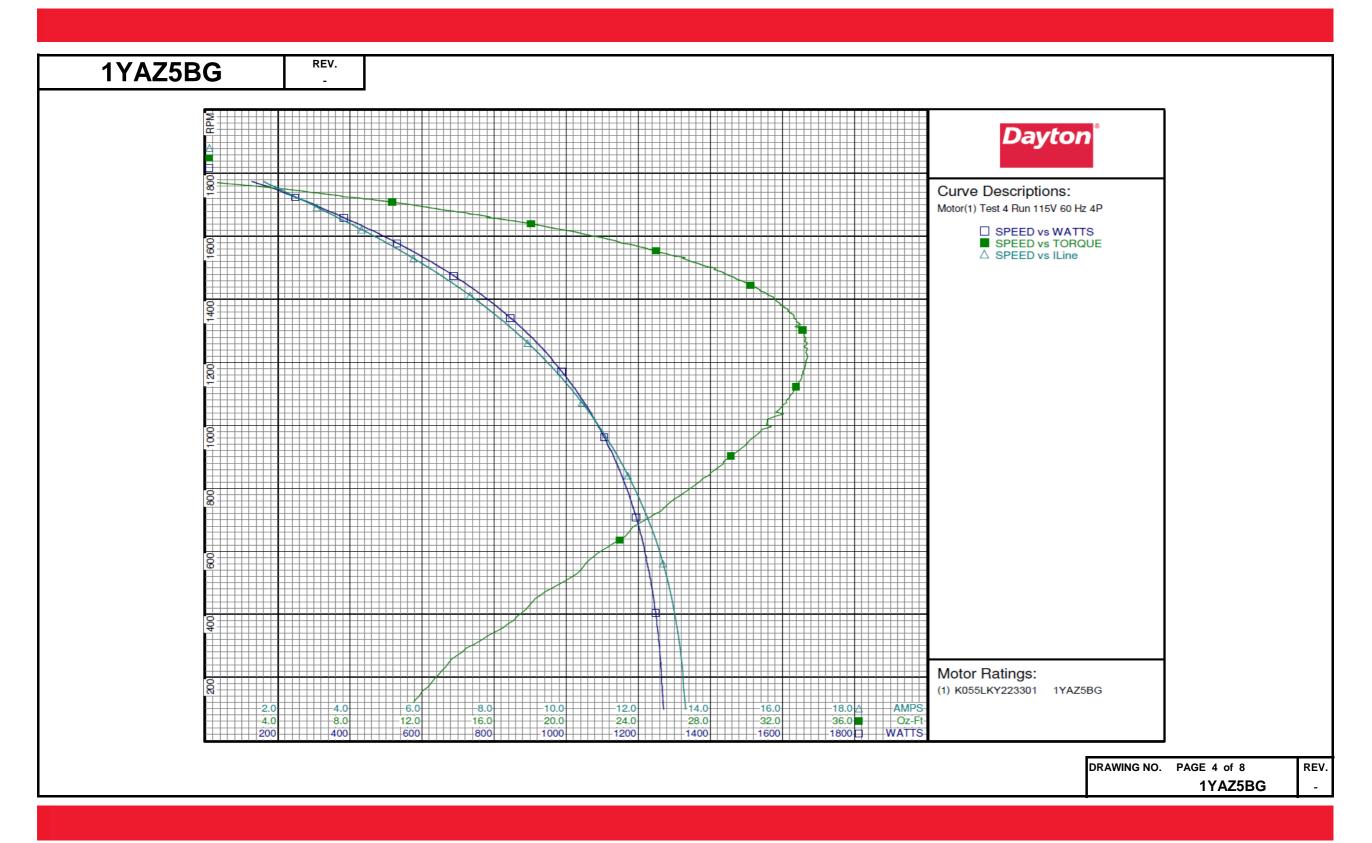






YAZ5BG	REV.												
				Da	ayton M	anufactu	ring Con	npany					
Motor Des	cription					Test Con	ditions						
Model:	K055LKY223	301 1YAZ	25BG	Test Type:	Run		Run Ca	p:	10 μfd				
Motor ID:	1			Test Numb	er: 4		Start Ca	ap:	0 μfd				
Poles:	4			Poles:	4		Environ	ment:	•				
Volts:	115-230			Volts:	115		Tested:		3/30/2010 1:3	34:11 PM			
Frequency:	60			Hz:	60		Tested 1	By:	Sharp, Gerald	I			
HP:	1/3			Rotation:			Gear Ra		1:1				
Speed:	1700			Special Co	nd:				-0.82 Oz-Ft				
Phase:	1			Speed Con					: -3.08 Oz-Ft				
Protector:	7AM036			TestBoard:		Performance		,					
Special Points	Vline(V)	Vaux (V)	Vcap(V)	Iline(A)	Imain(A)	Iaux (A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)	Cap
	115.0	339.4	352.6	1.596	1.554	1.291	127.0	1774	0.00	0.000	0.0	69.2	9.7
	115.0 115.0	334.2 326.4	344.7 334.6	1.875 2.183	1.540 1.664	1.263 1.227	169.7 208.6	1759 1743	2.87 5.49	0.060 0.114	26.5 40.7	78.7 83.1	9.7 9.7
	115.0	318.0	324.6	2.469	1.854	1.191	243.9	1726	7.56	0.155	47.5	85.9	9.7
	115.0	308.3	313.7	2.838	2.147	1.150	288.5	1706	10.56	0.215	55.5	88.4	9.7
1700 RPM	115.0	305.3	310.4	2.957	2.256	1.138	301.8	1700	11.41	0.231	57.1	88.7	9.7
	115.0 115.0	300.1 292.0	304.4 295.6	3.193 3.586	2.470 2.845	1.116 1.084	329.4 373.8	1685 1664	12.99 15.55	0.261	59.0 61.5	89.7 90.6	9.7 9.7
16.5 OZ-FT	115.0	288.8	292.0	3.741	2.998	1.071	391.6	1654	16.50	0.325	61.9	91.0	9.7
	115.0	283.7	286.3	3.999	3.254	1.051	420.8	1640	18.05	0.352	62.5	91.5	9.7
	115.0	274.9	276.6	4.428	3.690	1.018	468.1	1615	20.39	0.392	62.5	91.9	9.8
	115.0 115.0	265.8 256.5	267.1 257.0	4.869 5.345	4.150 4.648	0.984	514.3 565.4	1588 1558	22.53 24.61	0.426 0.456	61.8 60.2	91.9 92.0	9.8 9.8
	115.0	247.1	247.5	5.819	5.142	0.915	614.4	1526	26.67	0.484	58.8	91.8	9.8
0.5 HP	115.0	240.5	240.6	6.160	5.505	0.891	649.4	1502	27.96	0.500	57.4	91.7	9.8
	115.0	237.6	237.6	6.313	5.667	0.880	665.2	1492	28.35	0.503	56.5	91.6	9.8
	115.0 115.0	227.9 217.4	227.8 217.5	6.808 7.333	6.196 6.757	0.845 0.809	715.7 767.6	1454 1412	29.90 31.24	0.518 0.525	54.0 51.1	91.4 91.0	9.8 9.9
	115.0	207.1	207.5	7.839	7.299	0.773	816.6	1368	32.31	0.526	48.1	90.6	9.9
	115.0	196.0	197.1	8.366	7.869	0.735	866.3	1319	33.01	0.518	44.6	90.0	9.9
DDM 07 DM	115.0	185.3	187.4	8.871	8.415	0.700	913.3	1268	33.24	0.502	41.0	89.5	9.9
BDT OZ-FT	115.0 115.0	175.3 174.1	178.8 177.6	9.318 9.375	8.900 8.962	0.668 0.664	954.0 959.0	1218 1212	33.40 33.37	0.484 0.481	37.9 37.4	89.0 88.9	9.9 9.9
	115.0	162.7	168.3	9.864	9.499	0.630	1000.3	1152	33.08	0.454	33.8	88.2	9.9
	115.0	151.5	159.7	10.331	10.011	0.598	1041.0	1086	32.38	0.419	30.0	87.6	9.9
	115.0	140.4	151.8	10.772	10.494	0.569	1078.5	1019		0.378	26.1	87.1	9.9
	115.0 115.0	129.0 117.8	144.5 137.9	11.194 11.589	10.962 11.402	0.543 0.519	1112.9 1144.1	946 868	30.08 28.49	0.339	22.7 19.2	86.5 85.8	10.0 10.0
	115.0	106.4	132.3	11.955	11.809	0.498	1172.7	785		0.248	15.8	85.3	10.0
	115.0	95.1	127.7	12.288	12.191	0.480	1196.5	696		0.201	12.5	84.7	10.0
	115.0	84.0	124.3	12.579	12.523	0.464	1217.3	603	22.01	0.158	9.7	84.2	9.9
	115.0 115.0	73.5 63.3	122.7 121.9	12.814 13.001	12.798 13.025	0.455 0.452	1234.7 1248.5	507 405		0.120 0.084	7.3 5.0	83.8 83.5	9.8 9.8
	115.0	53.1	122.2	13.160	13.226	0.454	1259.4	292		0.050	3.0	83.2	9.8
	115.0	44.0	123.5	13.249	13.352	0.460	1264.0	183		0.027	1.6	83.0	9.9
											[c	RAWING NO.	PAGE 3 of 8
													1YAZ5B0

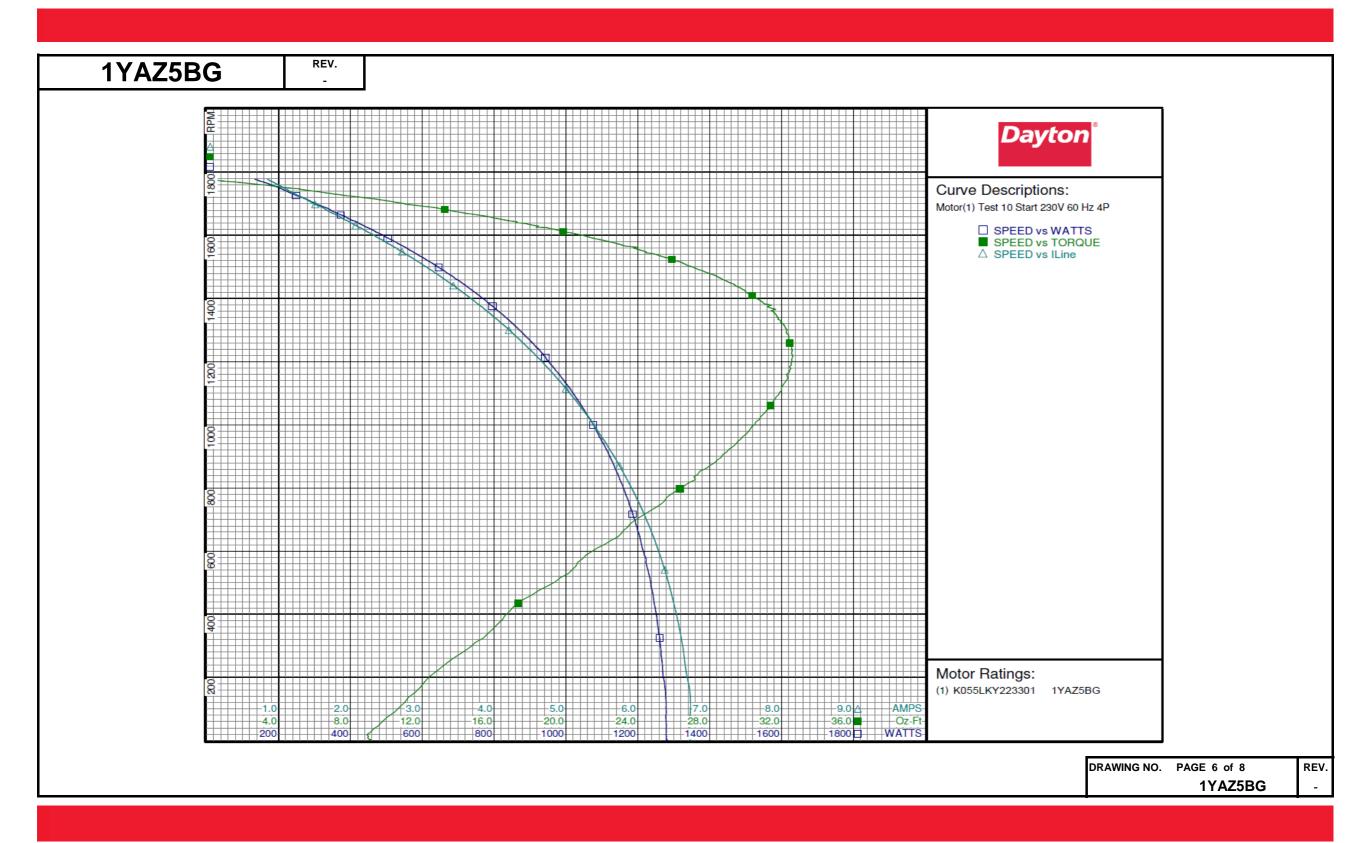






PUT OZ-FT 230.0 111.8 129.2 6.887 0.481 1278.2 19 8.92 0.002 0.1 82.7 9.1 230.0 112.4 128.4 6.723 6.885 0.479 1279.2 26 9.13 0.003 0.2 82.7 9.1 230.0 127.3 121.1 6.700 6.801 0.446 1274.0 186 12.14 0.027 1.6 82.7 9.1 230.0 127.3 121.1 6.700 6.801 0.446 1274.0 186 12.14 0.027 1.6 82.7 9.1 230.0 128.6 121.0 6.579 6.625 0.445 1256.8 353 15.93 0.667 4.0 83.1 9.1 230.0 155.8 122.3 6.424 6.411 0.450 1235.6 502 19.40 0.116 7.0 83.6 9.1 230.0 165.0 125.2 6.237 6.166 0.464 1207.6 634 22.52 0.170 10.5 84.2 9.1 230.0 177.2 130.7 6.023 5.897 0.489 1175.8 749 25.30 0.226 14.3 84.9 9.1 230.0 189.4 137.5 5.787 5.607 0.516 1140.4 853 27.45 0.279 18.2 85.7 9.1 230.0 200.8 145.8 5.540 5.306 0.545 1099.4 947 29.56 0.333 22.6 86.3 9.1 230.0 212.2 154.7 5.295 5.000 0.578 1058.4 1032 30.95 0.380 26.8 87.1 9.1 230.0 233.4 174.4 4.754 4.375 0.650 967.9 1178 32.52 0.456 35.1 88.5 9.1 230.0 243.6 184.8 4.479 4.056 0.689 920.9 1242 32.57 0.482 39.0 89.4 9.1 230.0 262.4 205.8 3.938 3.434 0.765 818.9 1305 32.52 0.500 42.9 89.9 9.1 230.0 271.3 216.5 3.671 3.129 0.804 767.2 1401 30.56 0.510 49.6 90.9 9.1 230.0 271.3 216.5 3.671 3.129 0.804 767.2 1401 30.56 0.510 49.6 90.9 9.1 230.0 271.3 216.5 3.671 3.129 0.804 767.2 1401 30.56 0.510 49.6 90.9 9.1 230.0 271.3 216.5 3.671 3.129 0.804 767.2 1401 30.56 0.510 49.6 90.9 9.1 230.0 279.8 266.9 3.410 2.835 0.841 715.4 1445 27.72 0.490 55.0 91.5 9.1 230.0 295.3 246.6 2.911 2.286 0.912 613.7 1521 26.05 0.472 57.3 91.7 9.1 230.0 295.3 246.6 2.911 2.286 0.912 613.7 1521 26.05 0.472 57.3 91.7 9.1 230.0 302.6 256.2 2.675 2.033 0.946 565.0 1553 24.13 0.446 58.9 91.8 9.1 230.0 302.6 256.2 2.675 2.033 0.946 565.0 1553 24.13 0.446 58.9 91.8 91.8 91.8 91.8 91.8 91.8 91.8 9	1YAZ5BG		J		Da	ayton Ma	anufactu	ring Com	npany					
Motor ID:	Motor Des	cription					Test Con	ditions						
Phase: 1 Protector: 7AM036 Special Points Vine(V) Vaux (V) Vcap (V) Iline (A) Imain (A) Iaux (A) Watts RPM Tq(Oz-ft) B Pf(s) PF(s) Ca 230.0 110.8 129.2 6.867 0.461 1278.2 19 8.99 0.002 0.0 82.7 9.1 11.8 (A) 128.4 6.722 6.867 0.461 1278.2 19 8.99 0.002 0.1 82.7 9.1 12.8 (A) 12.8 (A	Model: Motor ID: Poles: Volts: Frequency: HP:	K055LKY223 1 4 115-230 60 1/3	301 1YAZ	25BG	Test Numb Poles: Volts: Hz: Rotation:	ber: 10 4 230 60		Run Cap Start Ca Environ Tested: Tested I Gear Ra	np: nment: By: ntio:	0 μfd 3/30/2010 1:1 Sharp, Gerald 1:1				
Special Points Viline(V) Vax (V) Vcap(V) Iline(A) Imain(A) Iaux (A) Watts RPM Tq(Oz-ft) RP Eff(\$) PF(\$) Ca		1												
PUT OZ-FT 230.0 111.8 128.7 6.740 6.910 0.484 1228.4 0 9.15 0.000 0.0 82.7 9.1 230.0 112.4 128.4 6.723 6.885 0.491 1278.2 19 8.92 0.002 0.1 82.7 9.1 230.0 12.3 12.1 1.6 70.0 6.801 0.446 1274.0 186 12.14 0.027 1.6 82.7 9.1 230.0 138.6 121.0 6.579 6.625 0.445 1256.8 353 15.93 0.067 4.0 83.1 9.2 230.0 151.8 122.3 6.424 6.11 0.450 1235.6 502 19.40 0.116 7.0 83.6 9.1 230.0 165.0 125.2 6.237 6.166 0.464 1207.6 634 22.52 0.170 10.5 84.2 9.1 230.0 189.4 137.5 5.787 5.607 0.516 1140.4 853 27.45 0.279 18.2 85.7 9.2 230.0 20.8 145.8 5.540 5.306 0.545 1099.4 947 29.56 0.333 22.6 86.3 9.3 230.0 212.2 154.7 5.285 5.000 0.578 1058.4 1032 30.95 0.380 26.8 87.1 9.2 230.0 233.4 174.4 4.754 4.375 0.650 967.9 1178 32.52 0.466 35.1 88.5 9.2 230.0 253.2 195.3 4.207 3.741 0.727 86.9 9 120 3.2 3.2 5.0 0.000 4.2 9 89.9 9.2 230.0 271.3 216.5 3.671 3.129 0.804 767.2 1401 30.56 0.510 49.6 90.9 9.2 230.0 287.7 236.8 3.157 2.555 0.877 66.4.5 144 7.7 2.7 0.490 550.0 91.5 91.5 91.5 91.5 91.5 91.5 91.5 91.5	Protector:	7AM036			TestBoard	: Amtps	Performance	Fixture #4						
PUT 0Z-FT 230.0 111.8 128.7 6.722 6.887 0.481 1278.2 19 8.92 0.002 0.1 82.7 9.1 230.0 112.4 128.4 6.723 6.885 0.479 1279.2 26 9.13 0.003 0.2 82.7 9.1 230.0 127.3 121.1 6.700 6.801 0.446 1274.0 186 12.14 0.027 1.6 82.7 9.1 230.0 138.6 121.0 6.579 6.625 0.445 1256.8 353 15.93 0.067 4.0 83.1 9.1 230.0 151.8 122.3 6.424 6.411 0.450 1255.6 502 19.40 0.116 7.0 83.6 9.1 230.0 165.0 125.2 6.237 6.166 0.464 1207.6 634 22.52 0.170 10.5 84.2 9.1 230.0 167.2 130.7 6.023 5.897 0.489 1175.8 749 25.30 0.266 14.3 84.9 9.1 230.0 189.4 137.5 5.787 5.607 0.516 1140.4 853 27.4 5 0.279 18.2 85.7 9.1 230.0 200.8 145.8 5.540 5.306 0.545 1099.4 947 29.56 0.333 22.6 86.3 9.1 230.0 223.0 164.3 5.285 5.000 0.578 1099.4 947 29.56 0.333 22.6 86.3 9.1 230.0 223.0 164.3 5.021 4.687 0.613 1014.3 1109 32.00 0.422 31.1 87.8 9.1 230.0 233.4 174.4 4.754 4.375 0.669 967.9 1178 32.00 0.422 31.1 87.8 9.1 230.0 243.6 184.8 4.479 4.375 0.669 920.9 1242 32.57 0.482 39.0 89.4 9.1 230.0 253.2 195.3 4.207 3.741 0.727 869.9 1 130 32.22 0.500 42.9 89.9 9.1 230.0 253.2 195.3 4.207 3.741 0.727 869.9 1300 32.32 0.500 42.9 89.9 9.1 230.0 271.3 216.5 3.671 3.129 0.804 767.2 1401 30.56 0.510 49.6 90.9 9.1 230.0 271.3 216.5 3.671 3.129 0.804 767.2 1401 30.56 0.510 49.6 90.9 9.1 230.0 287.7 236.8 3.157 2.555 0.877 664.5 1484 2.772 0.490 55.0 91.5 91.8 91.9 1230.0 32.6 25.3 4.207 3.741 0.227 1.575 0.877 664.5 1484 2.772 0.490 55.0 91.5 91.5 91.5 91.5 91.5 91.5 91.5 91.5	Special Points													Car
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230.0 356.4 333.1 1.109 0.985 1.220 210.2 1746 5.14 0.107 37.9 82.4 9.7 230.0 361.2 344.0 0.960 1.081 1.260 170.3 1764 2.40 0.050 22.0 77.1 9.7														
230.0 361.2 344.0 0.960 1.081 1.260 170.3 1764 2.40 0.050 22.0 77.1 9.														
230.0 363.1 351.3 0.845 1.188 1.285 134.2 1777 0.00 0.000 0.0 69.0 9.		230.0		344.0					1764					
		230.0	363.1	351.3	0.845	1.188	1.285	134.2	1777	0.00	0.000	0.0	69.0	9.
DRAWING NO. PAGE 5 of 8													1YA	

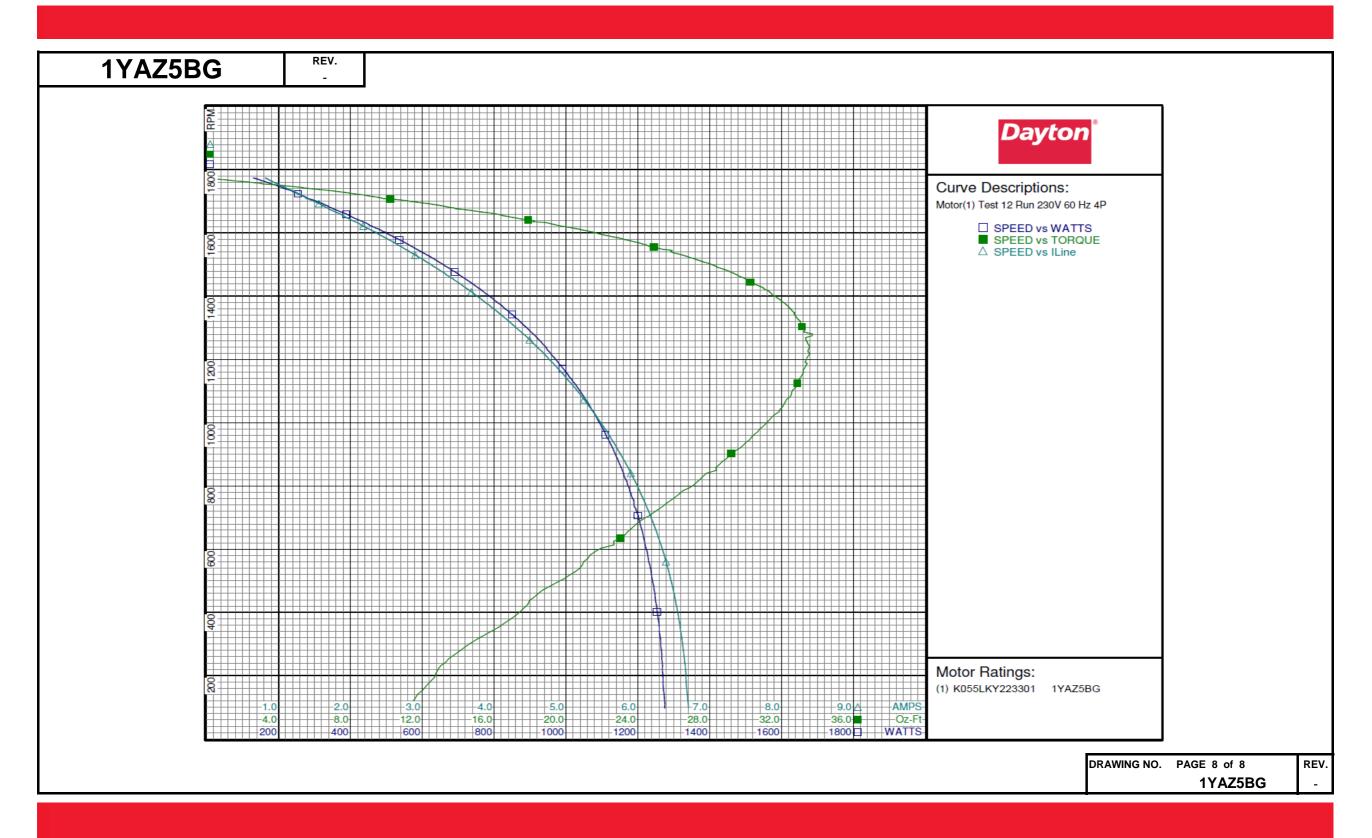






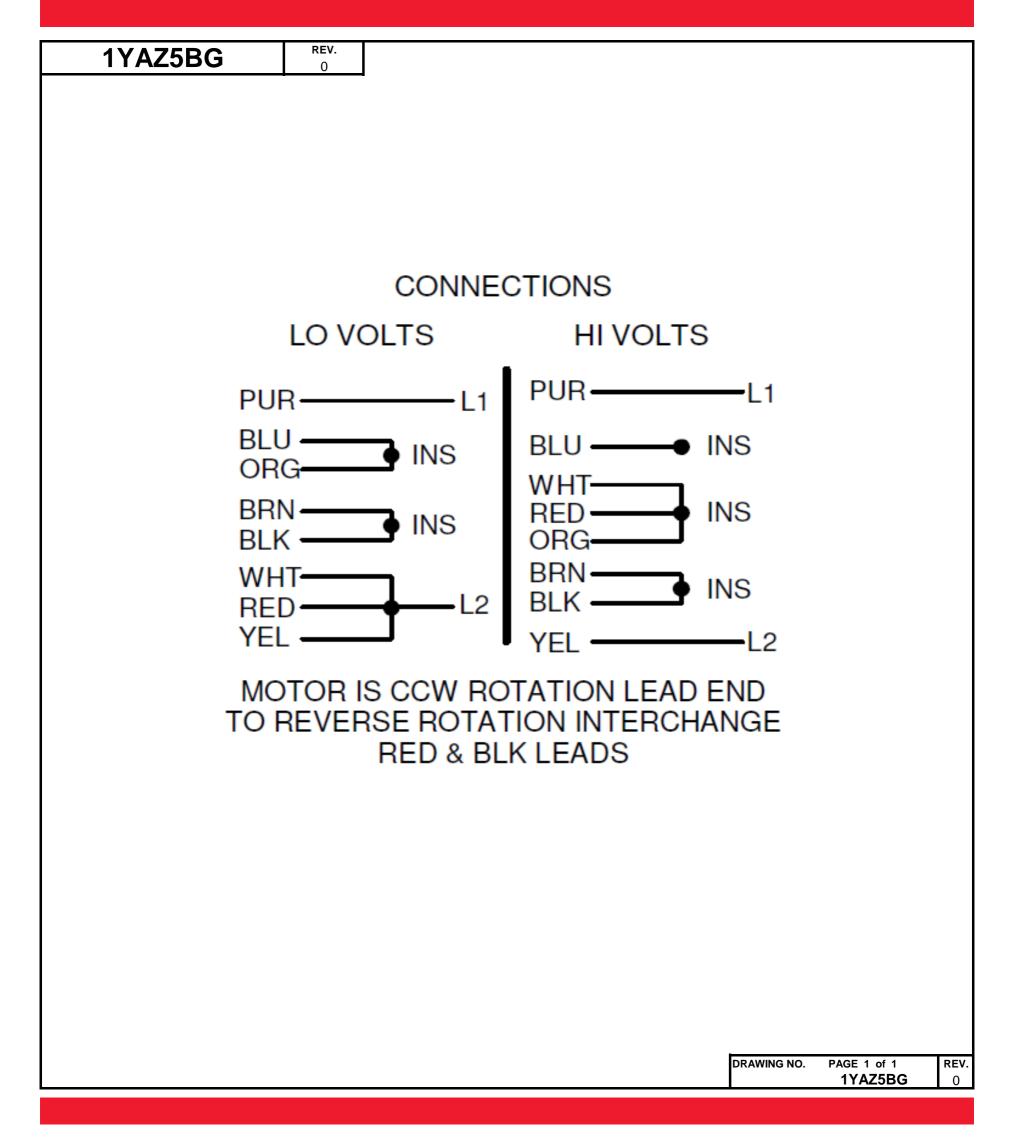
Motor Description	Test Type: Run Test Number: 12 Poles: 4 Volts: 230 Hz: 60	Test Conditions Run Cap: Start Cap: Environmen	10 μfd		
Model: K055LKY223301 1YAZ5BG	Test Type: Run Test Number: 12 Poles: 4 Volts: 230 Hz: 60	Run Cap: Start Cap:			
Motor ID: 1 Poles: 4 Volts: 115-230 Frequency: 60 HP: 1/3 Speed: 1700 Phase: 1 Protector: 7AM036 Special Points Vline(V) Vaux (V) Vcap(V 230.0 361.8 351. 230.0 360.2 343. 230.0 355.9 333. 230.0 349.4 322. 230.0 349.4 322. 230.0 340.8 310. 230.0 340.8 310. 230.0 336.2 303. 230.0 330.8 294. 16.5 OZ-FT 230.0 327.8 290. 230.0 310.7 266. 230.0 310.7 266. 230.0 310.7 266. 230.0 303.7 257. 230.0 296.4 247. 0.5 HP 230.0 291.5 240. 230.0 296.4 247. 0.5 HP 230.0 291.5 240. 230.0 296.4 247. 230.0 296.4 247. 230.0 296.4 247. 230.0 296.4 247. 230.0 296.4 247. 230.0 296.4 247. 230.0 296.4 247. 230.0 296.4 247. 230.0 296.4 247. 230.0 296.4 247. 230.0 296.4 247. 230.0 296.4 247. 230.0 296.4 247. 230.0 296.4 247. 230.0 296.4 247. 230.0 296.4 247. 230.0 296.4 247. 230.0 299.0 168. 230.0 249.1 187. 230.0 249.2 189. 230.0 249.2 189. 230.0 249.2 189. 230.0 249.0 168. 230.0 210.0 151. 230.0 200.5 144. 230.0 190.9 137. 230.0 181.0 132. 230.0 171.4 127. 230.0 182.0 132. 230.0 171.4 127. 230.0 162.0 123.	Test Number: 12 Poles: 4 Volts: 230 Hz: 60	Start Cap:			
Poles: 4 Volts: 115-230 Frequency: 60 HP: 1/3 Speed: 1700 Phase: 1 Protector: 7AM036 Special Points Vline(V) Vaux(V) Vcap(V 230.0 361.8 351. 230.0 360.2 343. 230.0 355.9 333. 230.0 349.4 322. 230.0 349.4 322. 230.0 342.7 312. 1700 RPM 230.0 340.8 310. 230.0 330.8 294. 16.5 OZ-FT 230.0 327.8 290. 230.0 330.8 294. 16.5 OZ-FT 230.0 327.8 290. 0.5 HP 230.0 317.6 276. 230.0 310.7 266. 230.0 310.7 266. 230.0 310.7 266. 230.0 291.5 240. 0.5 HP 230.0 291.5 240. 230.0 296.4 247. 230.0 296.4 247. 230.0 296.4 247. 230.0 264.8 207. 230.0 264.8 207. 230.0 256.2 197. BDT OZ-FT 230.0 249.2 189. 230.0 249.1 187. 230.0 256.2 197. BDT OZ-FT 230.0 249.2 189. 230.0 249.1 187. 230.0 249.2 189. 230.0 229.0 168. 230.0 229.0 168. 230.0 229.0 168. 230.0 229.0 168. 230.0 229.0 168. 230.0 229.0 168. 230.0 200.5 144. 230.0 190.9 137. 230.0 190.9 137. 230.0 171.4 127. 230.0 171.4 127. 230.0 171.4 127. 230.0 171.4 127. 230.0 171.4 127.	Poles: 4 Volts: 230 Hz: 60				
Volts: 115-230 Frequency: 60 HP: 1/3 Speed: 1700 Phase: 1 Protector: 7AM036 Special Points Vline(V) Vaux(V) Vcap(V 230.0 361.8 351. 230.0 360.2 343. 230.0 355.9 333. 230.0 349.4 322. 230.0 349.4 322. 230.0 342.7 312. 1700 RPM 230.0 340.8 310. 230.0 330.8 294. 16.5 OZ-FT 230.0 327.8 290. 230.0 330.8 294. 16.5 OZ-FT 230.0 327.8 290. 0 30.0 310.7 266. 230.0 310.7 266. 230.0 310.7 266. 230.0 291.5 240. 0.5 HP 230.0 291.5 240. 0.5 HP 230.0 291.5 240. 230.0 289.1 237. 230.0 289.1 227. 230.0 289.1 227. 230.0 289.1 227. 230.0 264.8 207. 230.0 264.8 207. 230.0 256.2 197. BDT OZ-FT 230.0 249.2 189. 230.0 229.0 168. 230.0 229.0 168. 230.0 229.0 168. 230.0 229.0 168. 230.0 229.0 168. 230.0 229.0 168. 230.0 219.6 160. 230.0 200.5 144. 230.0 190.9 137. 230.0 190.9 137. 230.0 181.0 132. 230.0 190.9 137. 230.0 171.4 127. 230.0 162.0 123.	Volts: 230 Hz: 60	Environmen	0 μfd		
Frequency: 60 HP: 1/3 Speed: 1700 Phase: 1 Protector: 7AM036 Special Points Vline(V) Vaux (V) Vcap (V 230.0 360.2 343. 230.0 355.9 333. 230.0 349.4 322. 230.0 349.4 322. 230.0 342.7 312. 230.0 340.8 310. 230.0 336.2 303. 230.0 336.2 303. 230.0 330.8 294. 16.5 OZ-FT 230.0 327.8 290. 230.0 324.2 285. 230.0 317.6 276. 230.0 317.6 276. 230.0 317.6 276. 230.0 303.7 257. 230.0 296.4 247. 0.5 HP 230.0 291.5 240. 230.0 289.1 237. 230.0 289.1 237. 230.0 289.1 227. 230.0 264.8 207. 230.0 264.8 207. 230.0 264.8 207. 230.0 264.8 207. 230.0 264.8 207. 230.0 256.2 197. BDT OZ-FT 230.0 247.1 187. 230.0 256.2 197. BDT OZ-FT 230.0 229.0 168. 230.0 238.0 178. 230.0 229.0 168. 230.0 210.0 151. 230.0 200.5 144. 230.0 190.9 137. 230.0 190.9 137. 230.0 181.0 132. 230.0 171.4 127. 230.0 162.0 123.	Hz: 60				
HP: 1/3 Speed: 1700 Phase: 1 Protector: 7AM036 Special Points Vline(V) Vaux (V) Vcap (V 230.0 361.8 351. 230.0 360.2 343. 230.0 355.9 333. 230.0 349.4 322. 230.0 349.4 322. 230.0 340.8 310. 230.0 340.8 310. 230.0 330.8 294. 16.5 OZ-FT 230.0 327.8 290. 230.0 317.6 276. 230.0 317.6 276. 230.0 310.7 266. 230.0 310.7 266. 230.0 310.7 266. 230.0 291.5 240. 0.5 HP 230.0 291.5 240. 230.0 291.5 240. 230.0 273.1 217. 230.0 264.8 207. 230.0 273.1 227. 230.0 264.8 207. 230.0 273.1 217. 230.0 264.8 207. 230.0 273.1 217. 230.0 264.8 207. 230.0 256.2 197. BDT OZ-FT 230.0 249.2 189. 230.0 256.2 197. BDT OZ-FT 230.0 249.2 189. 230.0 249.2 189. 230.0 256.2 197.		Tested:	3/30/2010 1:13:18 PM		
Speed: 1700 Phase: 1 Protector: 7AM036 Special Points Vline(V) Vaux (V) Vcap (V 230.0 361.8 351. 230.0 360.2 343. 230.0 349.4 322. 230.0 349.4 322. 230.0 340.8 310. 230.0 336.2 303. 230.0 336.2 303. 230.0 336.2 289. 230.0 336.2 289. 230.0 336.2 285. 230.0 336.2 285. 230.0 336.2 285. 230.0 30.0 327.8 290. 230.0 324.2 285. 230.0 30.7 266. 230.0 30.7 266. 230.0 291.5 240. 230.0 296.4 247. 0.5 HP 230.0 299.5 240. 230.0 289.1 237. 230.0 289.1 237. 230.0 289.1 237. 230.0 289.1 227. 230.0 289.1 227. 230.0 289.1 227. 230.0 289.1 227. 230.0 289.1 227. 230.0 289.1 227. 230.0 289.1 227. 230.0 264.8 207. 230.0 264.8 207. 230.0 256.2 197. BDT OZ-FT 230.0 249.2 189.	D - (- ('	Tested By:	Sharp, Gerald		
Phase: 1 Protector: 7AM036 Special Points Vline(V) Vaux (V) Vcap (V 230.0 361.8 351. 230.0 360.2 343. 230.0 349.4 322. 230.0 349.4 322. 230.0 349.4 322. 230.0 340.8 310. 230.0 336.2 303. 230.0 336.2 303. 230.0 336.2 20.0 330.8 294. 16.5 OZ-FT 230.0 327.8 290. 230.0 324.2 285. 230.0 317.6 276. 230.0 310.7 266. 230.0 310.7 266. 230.0 303.7 257. 230.0 296.4 247. 0.5 HP 230.0 299.1 237. 230.0 289.1 237. 230.0 289.1 237. 230.0 289.1 237. 230.0 289.1 237. 230.0 289.1 237. 230.0 289.1 237. 230.0 289.1 237. 230.0 289.1 237. 230.0 289.1 237. 230.0 289.1 237. 230.0 249.2 189. 230.0 249.2 189. 230.0 249.2 189. 230.0 249.2 189. 230.0 249.2 189. 230.0 229.0 168. 230.0 229.0 168. 230.0 229.0 168. 230.0 219.6 160. 230.0 219.6 162.0 132.	Rotation:	Gear Ratio:	1:1		
Protector: 7AM036 Special Points Vline(V) Vaux (V) Vcap(V 230.0 361.8 351. 230.0 360.2 343. 230.0 355.9 333. 230.0 349.4 322. 230.0 342.7 312. 230.0 340.8 310. 230.0 336.2 303. 230.0 336.2 303. 230.0 327.8 290. 230.0 327.8 290. 230.0 327.8 290. 230.0 317.6 276. 230.0 317.6 276. 230.0 317.6 276. 230.0 317.6 276. 230.0 317.6 276. 230.0 296.4 277. 230.0 296.4 277. 230.0 296.4 277. 230.0 289.1 237. 230.0 289.1 237. 230.0 289.1 227. 230.0 273.1 217. 230.0 264.8 207. 230.0 264.8 207. 230.0 256.2 197. 230.0 256.2 197. 230.0 247.1 187. 230.0 229.0 168. 230.0 229.0 168. 230.0 229.0 168. 230.0 229.0 168. 230.0 229.0 168. 230.0 229.0 168. 230.0 229.0 168. 230.0 229.0 168. 230.0 219.6 160. 230.0 219.6 160. 230.0 219.6 160. 230.0 219.0 151. 230.0 200.5 144. 230.0 190.9 137. 230.0 181.0 132. 230.0 171.4 127	Special Cond:		ction: -1.17 Oz-Ft		
Special Points Vline(V) Vaux (V) Vcap(V 230.0 361.8 351. 230.0 360.2 343. 230.0 355.9 333. 230.0 349.4 322. 230.0 342.7 312.	Speed Conn:		rque: -3.32 Oz-Ft		
230.0 361.8 351. 230.0 360.2 343. 230.0 355.9 333. 230.0 349.4 322. 230.0 349.4 322. 230.0 340.8 310. 230.0 336.2 303. 230.0 330.8 294. 16.5 OZ-FT 230.0 327.8 290. 230.0 317.6 276. 230.0 317.6 276. 230.0 310.7 266. 230.0 310.7 266. 230.0 296.4 247. 0.5 HP 230.0 291.5 240. 230.0 281.1 227. 230.0 281.1 227. 230.0 281.1 227. 230.0 264.8 207. 230.0 264.8 207. 230.0 264.8 207. 230.0 264.8 207. 230.0 256.2 197. BDT OZ-FT 230.0 249.2 189. 230.0 247.1 187. 230.0 238.0 178. 230.0 229.0 168. 230.0 229.0 168. 230.0 219.6 160. 230.0 219.6 160. 230.0 219.6 160. 230.0 219.6 160. 230.0 219.6 160. 230.0 219.6 160. 230.0 219.6 160. 230.0 219.6 160. 230.0 219.6 160. 230.0 219.6 160. 230.0 219.6 160. 230.0 219.6 160. 230.0 219.6 160. 230.0 219.6 160.	TestBoard: Amtps Per	rformance Fixture #4			
230.0 360.2 343. 230.0 355.9 333. 230.0 349.4 322. 230.0 342.7 312. 230.0 340.8 310. 230.0 336.2 303. 230.0 336.2 303. 230.0 336.2 203. 230.0 330.8 294. 230.0 327.8 290. 230.0 317.6 276. 230.0 310.7 266. 230.0 310.7 266. 230.0 310.7 266. 230.0 291.5 240. 230.0 291.5 240. 230.0 281.1 227. 230.0 281.1 227. 230.0 281.1 227. 230.0 264.8 207. 230.0 256.2 197. BDT OZ-FT 230.0 249.2 189. 230.0 249.2 189. 230.0 249.2 189. 230.0 229.0 168. 230.0 229.0 168. 230.0 229.0 168. 230.0 229.0 168. 230.0 229.0 168. 230.0 210.0 151. 230.0 220.5 144. 230.0 190.9 137. 230.0 190.9 137. 230.0 190.9 137. 230.0 171.4 127. 230.0 171.4 127. 230.0 171.4 127.		Iaux (A) Watts	RPM Tq(Oz-ft) HP		PF (%) Cap
230.0 355.9 333. 230.0 349.4 322. 230.0 342.7 312. 1700 RPM 230.0 340.8 310. 230.0 336.2 303. 230.0 330.8 294. 16.5 OZ-FT 230.0 327.8 290. 230.0 317.6 276. 230.0 310.7 266. 230.0 310.7 266. 230.0 303.7 257. 230.0 296.4 247. 0.5 HP 230.0 289.1 237. 230.0 289.1 227. 230.0 289.1 227. 230.0 289.1 227. 230.0 264.8 207. 230.0 256.2 197. BDT OZ-FT 230.0 249.2 189. 230.0 249.2 189. 230.0 249.2 189. 230.0 229.0 168. 230.0 229.0 168. 230.0 229.0 168. 230.0 229.0 168. 230.0 210.0 151. 230.0 230.0 210.0 151. 230.0 230.0 190.9 137. 230.0 190.9 137. 230.0 171.4 127. 230.0 132.	0.814 1.187 0.946 1.054		1774 0.00 0.000 1758 2.70 0.056	0.0 24.7	69.0 9.7 78.4 9.7
230.0 342.7 312. 1700 RPM 230.0 340.8 310. 230.0 336.2 303. 230.0 330.8 294. 16.5 OZ-FT 230.0 327.8 290. 230.0 317.6 276. 230.0 310.7 266. 230.0 310.7 266. 230.0 296.4 247. 230.0 291.5 240. 230.0 289.1 237. 230.0 281.1 227. 230.0 281.1 227. 230.0 281.1 227. 230.0 281.1 227. 230.0 264.8 207. 230.0 256.2 197. BDT OZ-FT 230.0 249.2 189. 230.0 247.1 187. 230.0 247.1 187. 230.0 249.2 189. 230.0 229.0 168. 230.0 229.0 168. 230.0 219.6 160. 230.0 210.0 151. 230.0 230.0 190.9 137. 230.0 190.9 137. 230.0 190.9 137. 230.0 171.4 127. 230.0 171.4 127. 230.0 171.4 127.	1.102 0.965		1743 5.39 0.112	39.3	83.7 9.7
1700 RPM 230.0 340.8 310. 230.0 336.2 303. 230.0 330.8 294. 16.5 OZ-FT 230.0 327.8 290. 230.0 317.6 276. 230.0 310.7 266. 230.0 310.7 266. 230.0 296.4 247. 230.0 296.4 247. 230.0 291.5 240. 230.0 289.1 237. 230.0 289.1 237. 230.0 281.1 227. 230.0 273.1 217. 230.0 264.8 207. 230.0 264.8 207. 230.0 264.8 207. 230.0 256.2 197. BDT OZ-FT 230.0 249.2 189. 230.0 247.1 187. 230.0 247.1 187. 230.0 229.0 168. 230.0 229.0 168. 230.0 210.0 151. 230.0 210.0 151. 230.0 210.0 151. 230.0 190.9 137. 230.0 190.9 137. 230.0 190.9 137. 230.0 171.4 127. 230.0 171.4 127. 230.0 171.4 127.	1.260 0.948		1726 7.95 0.163	48.7	86.5 9.7
230.0 336.2 303. 230.0 330.8 294. 16.5 OZ-FT 230.0 327.8 290. 230.0 324.2 285. 230.0 317.6 276. 230.0 310.7 266. 230.0 303.7 257. 230.0 296.4 247. 230.0 291.5 240. 230.0 289.1 237. 230.0 289.1 237. 230.0 289.1 227. 230.0 273.1 217. 230.0 264.8 207. 230.0 264.8 207. 230.0 264.8 207. 230.0 256.2 197. BDT OZ-FT 230.0 249.2 189. 230.0 249.2 189. 230.0 238.0 178. 230.0 229.0 168. 230.0 229.0 168. 230.0 210.0 151. 230.0 210.0 151. 230.0 200.5 144. 230.0 190.9 137. 230.0 190.9 137. 230.0 171.4 127. 230.0 171.4 127. 230.0 171.4 127.	1.430 0.978 1.489 0.998		1706 10.47 0.213 1700 11.31 0.229	54.4 56.0	88.7 9.7 89.1 9.7
16.5 OZ-FT 230.0 230.0 324.2 285. 230.0 317.6 276. 230.0 310.7 266. 230.0 230.0 290.4 247. 0.5 HP 230.0 230.0 289.1 237. 230.0 289.1 237. 230.0 289.1 227. 230.0 281.1 227. 230.0 264.8 207. 230.0 256.2 197. 230.0 247.1 187. 230.0 247.1 187. 230.0 247.1 187. 230.0 249.2 189. 230.0 249.2 240.2 249.2 240	1.623 1.074		1686 13.08 0.263	58.4	89.8 9.7
### STATE ### ST	1.813 1.197		1664 15.62 0.309	60.8	91.1 9.7
### STANDARD ### S	1.897 1.272 2.009 1.364		1654 16.50 0.325 1641 17.90 0.350	61.0 61.8	91.2 9.7 91.4 9.7
230.0 303.7 257. 230.0 296.4 247. 0.5 HP 230.0 291.5 240. 230.0 289.1 237. 230.0 281.1 227. 230.0 273.1 217. 230.0 264.8 207. 230.0 256.2 197. BDT OZ-FT 230.0 247.1 187. 230.0 247.1 187. 230.0 238.0 178. 230.0 229.0 168. 230.0 229.0 168. 230.0 219.6 160. 230.0 210.0 151. 230.0 200.5 144. 230.0 190.9 137. 230.0 181.0 132. 230.0 171.4 127. 230.0 162.0 123.	2.228 1.567		1615 20.37 0.392	62.1	91.8 9.8
230.0 296.4 247. 230.0 291.5 240. 230.0 289.1 237. 230.0 281.1 227. 230.0 273.1 217. 230.0 264.8 207. 230.0 256.2 197. 230.0 249.2 189. 230.0 247.1 187. 230.0 238.0 178. 230.0 238.0 178. 230.0 229.0 168. 230.0 210.0 151. 230.0 200.5 144. 230.0 190.9 137. 230.0 181.0 132. 230.0 171.4 127. 230.0 162.0 123.	2.456 1.796		1588 22.58 0.427	61.3	91.9 9.8
0.5 HP 230.0 291.5 240. 230.0 289.1 237. 230.0 281.1 227. 230.0 273.1 217. 230.0 264.8 207. 230.0 256.2 197. BDT OZ-FT 230.0 249.2 189. 230.0 247.1 187. 230.0 238.0 178. 230.0 229.0 168. 230.0 219.6 160. 230.0 210.0 151. 230.0 190.9 137. 230.0 181.0 132. 230.0 171.4 127. 230.0 171.4 127. 230.0 162.0 123.	2.689 2.041 2.930 2.298		1558 24.61 0.456 1526 26.68 0.485	59.8 58.4	92.0 9.8 91.9 9.8
230.0 281.1 227. 230.0 273.1 217. 230.0 264.8 207. 230.0 256.2 197. 230.0 249.2 189. 230.0 247.1 187. 230.0 238.0 178. 230.0 229.0 168. 230.0 229.0 168. 230.0 210.0 151. 230.0 200.5 144. 230.0 190.9 137. 230.0 181.0 132. 230.0 171.4 127. 230.0 162.0 123.	3.094 2.477		1504 27.93 0.500	57.1	91.8 9.8
230.0 273.1 217. 230.0 264.8 207. 230.0 256.2 197. BDT OZ-FT 230.0 249.2 189. 230.0 247.1 187. 230.0 238.0 178. 230.0 229.0 168. 230.0 229.0 168. 230.0 219.6 160. 230.0 210.0 151. 230.0 200.5 144. 230.0 190.9 137. 230.0 190.9 137. 230.0 171.4 127. 230.0 162.0 123.	3.174 2.566		1492 28.41 0.505	56.2	91.7 9.8
230.0 264.8 207. 230.0 256.2 197. BDT OZ-FT 230.0 249.2 189. 230.0 247.1 187. 230.0 238.0 178. 230.0 229.0 168. 230.0 219.6 160. 230.0 210.0 151. 230.0 200.5 144. 230.0 190.9 137. 230.0 181.0 132. 230.0 171.4 127. 230.0 162.0 123.	3.426 2.846 3.684 3.135		1454 30.00 0.519 1413 31.33 0.527	53.8 51.0	91.4 9.8 91.0 9.9
BDT OZ-FT 230.0 249.2 189. 230.0 247.1 187. 230.0 238.0 178. 230.0 229.0 168. 230.0 219.6 160. 230.0 210.0 151. 230.0 200.5 144. 230.0 190.9 137. 230.0 181.0 132. 230.0 171.4 127. 230.0 162.0 123.	3.948 3.434		1368 32.37 0.527	47.8	90.6 9.9
230.0 247.1 187. 230.0 238.0 178. 230.0 229.0 168. 230.0 219.6 160. 230.0 210.0 151. 230.0 200.5 144. 230.0 190.9 137. 230.0 181.0 132. 230.0 171.4 127. 230.0 162.0 123.	4.203 3.727	0.737 870.8 1	1321 33.05 0.520	44.5	90.1 9.9
230.0 238.0 178. 230.0 229.0 168. 230.0 219.6 160. 230.0 210.0 151. 230.0 200.5 144. 230.0 190.9 137. 230.0 181.0 132. 230.0 171.4 127. 230.0 162.0 123.	4.405 3.961		1280 33.72 0.514	42.2	89.7 9.9
230.0 229.0 168. 230.0 219.6 160. 230.0 210.0 151. 230.0 200.5 144. 230.0 190.9 137. 230.0 181.0 132. 230.0 171.4 127. 230.0 162.0 123.	4.463 4.027 4.719 4.322		1269 33.34 0.504 1212 33.50 0.483	40.9 37.5	89.5 9.9 88.6 9.9
230.0 210.0 151. 230.0 200.5 144. 230.0 190.9 137. 230.0 181.0 132. 230.0 171.4 127. 230.0 162.0 123.	4.961 4.606	0.631 1004.8 1	1153 33.16 0.455	33.8	88.1 9.9
230.0 200.5 144. 230.0 190.9 137. 230.0 181.0 132. 230.0 171.4 127. 230.0 162.0 123.	5.200 4.884		1088 32.55 0.421	30.1	87.4 9.9
230.0 190.9 137. 230.0 181.0 132. 230.0 171.4 127. 230.0 162.0 123.	5.427 5.154 5.640 5.411	0.570 1084.1 1 0.542 1118.8	1019 31.48 0.382 945 30.22 0.340	26.3 22.7	86.9 10.0 86.2 10.0
230.0 171.4 127. 230.0 162.0 123.	5.841 5.656	0.519 1149.7	868 28.55 0.295	19.1	85.6 10.0
230.0 162.0 123.	6.024 5.884	0.497 1177.3	785 26.52 0.248	15.7	85.0 10.0
	6.192 6.096 6.337 6.283	0.478 1202.6 0.461 1222.9	696 24.31 0.201 602 21.94 0.157	12.5 9.6	84.5 10.0 83.9 9.9
250.0 152.5 122.	6.456 6.441	0.452 1239.5	506 19.88 0.120	7.2	83.5 9.8
230.0 143.2 121.	6.552 6.580	0.450 1253.6	403 17.45 0.084	5.0	83.2 9.8
230.0 134.5 121. 230.0 125.8 122.	6.627 6.694	0.449 1264.0 0.454 1269.9	291 14.39 0.050 182 12.46 0.027	2.9 1.6	82.9 9.8 82.7 9.8
230.0 123.0 122.	6.672 6.777	0.404 1207.7	102 12.40 0.02/	1.0	02.7 7.8





Wiring Diagram







F37403

258501

AGRICULTURAL FAN MOTOR

HP: 1/3 VOLTS: 115/230	BAR CODE	Part No	1YAZ5BG	
AMPS: 3.8/1.9 RPM : 1700	PH: 1 HZ: 60		Disconnect Power B Electrical Connecti	
DUTY: CONT	FR: 48YZ		CONNEC	TIONS
SF: 1.00	INS CL: B		LO VOLTS	HI VOLTS
KVA CODE: E ENCL: TEAO THERMALLY PROTEC MFG. NO. PROT. MTR REF: K55HXLKY	CODE: 7A010 AVG. F.L. EFF.		PUR L1 BLU ORG INS ORG INS BRN INS BLK INS BLK WHT RED L2	PUR L1 BLU INS WHT RED INS ORG INS BRN INS BLK INS
			MOTOR IS CCW RO	YEL ———L2

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

TO REVERSE ROTATION INTERCHANGE

RED & BLK LEADS