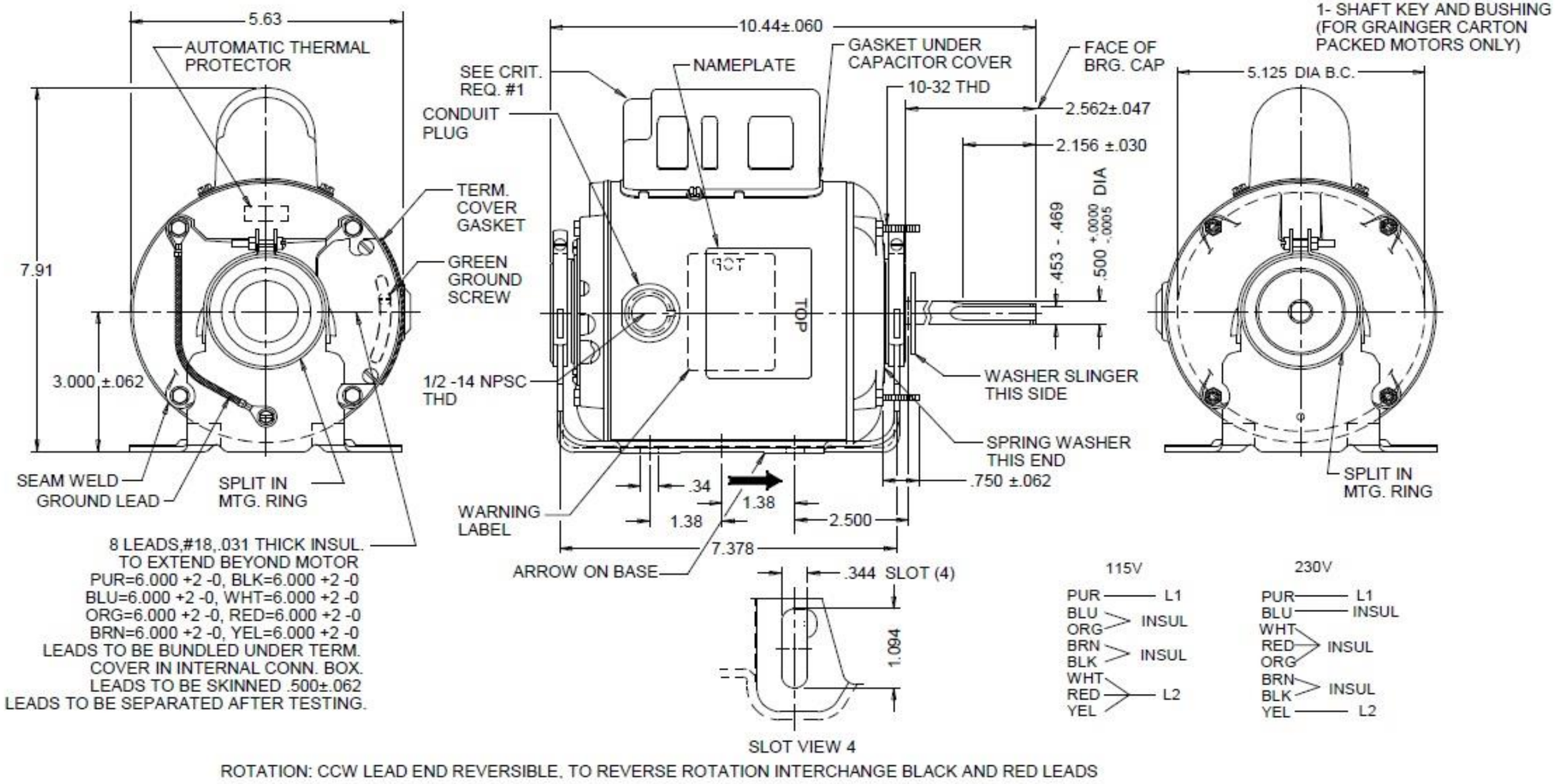
Dimensional Drawing

1YAZ5BG

REV. -

MODEL	REF	CUSTOMER	HP	VOLTS	AMPS	HZ	RPM	ROTATION	CUSTOMER PT. NO.	DESCRIPTION / REMARKS
K55HXLKY-2233		GRAINGER	1/3	115/230	3.8/1.9	60	1700	CCW LEAD END	1YAZ5BG	48YZ, TEAO, GREEN, BALL BEARING



ROTATION: CCW LEAD END REVERSIBLE, TO REVERSE ROTATION INTERCHANGE BLACK AND RED LEADS

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

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

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Performance Data

1YAZ5BG	REV. -

SHADED-POLE & PSC MOTOR PERFORMANCE

HP:	1/3							
Poles:	4							
Ambient (°C):	40							
Altitude (FASL):								
No. of Speeds:	1							
HIGH SPEED								
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							
MEDIUM-HIGH SPEED								
HP:								
Volts:								
HZ:								
Efficiency:	@ Rated Load							
Power Factor:	@ Rated Load							
Amps:	@ No Load							
	@ Rated Load							
	@ Locked Rotor							
Torques: **Oz.Ft. / Lb.In.** (Circle One)	Breakdown							
	Locked Rotor							
	Pull-Up							
	Rated Load							
Watts:	@ Rated Load							
Temperature Rise:	@ Rated Load							

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

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Performance Data

1YAZ5BG	REV. -

Dayton Manufacturing Company

Motor Description

Model:	K055LKY223301	1YAZ5BG
Motor ID:	1	
Poles:	4	
Volts:	115-230	
Frequency:	60	
HP:	1/3	
Speed:	1700	
Phase:	1	
Protector:	7AM036	

Test Conditions

Test Type:	Start	Run Cap:	10 µfd
Test Number:	2	Start Cap:	0 µfd
Poles:	4	Environment:	
Volts:	115	Tested:	3/30/2010 1:35:19 PM
Hz:	60	Tested By:	Sharp, Gerald
Rotation:		Gear Ratio:	1:1
Special Cond:		Bearing Friction:	-0.85 Oz-Ft
Speed Conn:		Windage Torque:	-3.09 Oz-Ft
TestBoard:	Amtps Performance	Fixture #4	

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	33.3	130.6	13.382	13.550	0.490	1276.4	0	9.44	0.000	0.0	82.9	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	57.3	121.6	13.066	13.106	0.448	1252.5	344	15.63	0.064	3.8	83.4	9.8
	115.0	72.2	122.5	12.762	12.745	0.452	1230.6	494	19.01	0.112	6.8	83.8	9.8
	115.0	87.3	125.5	12.392	12.313	0.466	1203.1	630	22.09	0.166	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	156.4	163.8	9.974	9.623	0.612	1010.2	1109	31.76	0.419	30.9	88.1	9.9
	115.0	169.2	174.1	9.439	9.049	0.650	963.2	1179	32.31	0.453	35.1	88.7	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	235.9	236.1	6.299	5.662	0.875	663.2	1483	27.73	0.489	55.0	91.5	9.8
	115.0	246.3	247.0	5.773	5.103	0.914	608.7	1522	25.92	0.469	57.5	91.7	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	297.8	301.8	3.245	2.529	1.107	333.5	1685	13.06	0.262	58.6	89.4	9.7
	115.0	306.7	311.5	2.883	2.199	1.141	291.3	1706	10.58	0.215	55.0	87.9	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

DRAWING NO.	PAGE 1 of 8	REV.
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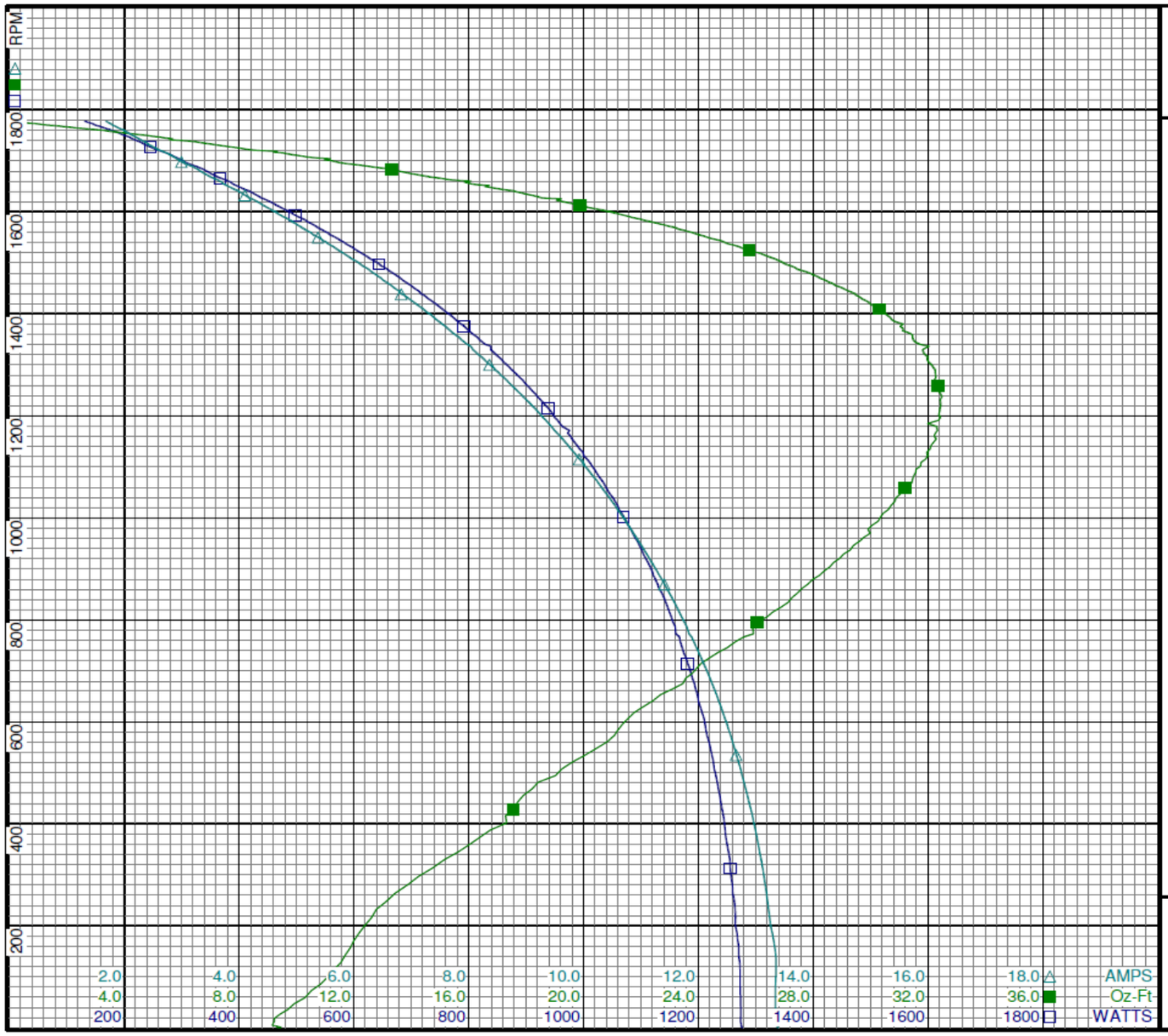
Performance Data

1YAZ5BG	REV. -



Dayton

Curve Descriptions:

Motor(1) Test 2 Start 115V 60 Hz 4P

- SPEED vs WATTS
- SPEED vs TORQUE
- SPEED vs ILine

Motor Ratings:

(1) K055LKY223301 1YAZ5BG

DRAWING NO. 1YAZ5BG	PAGE 2 of 8	REV. -

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Performance Data

1YAZ5BG	REV. -

Dayton Manufacturing Company

Motor Description

Model:	K055LKY223301	1YAZ5BG
Motor ID:	1	
Poles:	4	
Volts:	115-230	
Frequency:	60	
HP:	1/3	
Speed:	1700	
Phase:	1	
Protector:	7AM036	

Test Conditions

Test Type:	Run		Run Cap:	10 µfd	
Test Number:	4		Start Cap:	0 µfd	
Poles:	4		Environment:		
Volts:	115		Tested:	3/30/2010 1:34:11 PM	
Hz:	60		Tested By:	Sharp, Gerald	
Rotation:			Gear Ratio:	1:1	
Special Cond:			Bearing Friction:	-0.82 Oz-Ft	
Speed Conn:			Windage Torque:	-3.08 Oz-Ft	
TestBoard:	Amtps Performance	Fixture #4			

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	334.2	344.7	1.875	1.540	1.263	169.7	1759	2.87	0.060	26.5	78.7	9.7
	115.0	326.4	334.6	2.183	1.664	1.227	208.6	1743	5.49	0.114	40.7	83.1	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	300.1	304.4	3.193	2.470	1.116	329.4	1685	12.99	0.261	59.0	89.7	9.7
	115.0	292.0	295.6	3.586	2.845	1.084	373.8	1664	15.55	0.308	61.5	90.6	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	265.8	267.1	4.869	4.150	0.984	514.3	1588	22.53	0.426	61.8	91.9	9.8
	115.0	256.5	257.0	5.345	4.648	0.949	565.4	1558	24.61	0.456	60.2	92.0	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	227.9	227.8	6.808	6.196	0.845	715.7	1454	29.90	0.518	54.0	91.4	9.8
	115.0	217.4	217.5	7.333	6.757	0.809	767.6	1412	31.24	0.525	51.1	91.0	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
	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**	**175.3**	**178.8**	**9.318**	**8.900**	**0.668**	**954.0**	**1218**	**33.40**	**0.484**	**37.9**	**89.0**	**9.9**
	115.0	174.1	177.6	9.375	8.962	0.664	959.0	1212	33.37	0.481	37.4	88.9	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	31.16	0.378	26.1	87.1	9.9
	115.0	129.0	144.5	11.194	10.962	0.543	1112.9	946	30.08	0.339	22.7	86.5	10.0
	115.0	117.8	137.9	11.589	11.402	0.519	1144.1	868	28.49	0.294	19.2	85.8	10.0
	115.0	106.4	132.3	11.955	11.809	0.498	1172.7	785	26.53	0.248	15.8	85.3	10.0
	115.0	95.1	127.7	12.288	12.191	0.480	1196.5	696	24.28	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	73.5	122.7	12.814	12.798	0.455	1234.7	507	19.97	0.120	7.3	83.8	9.8
	115.0	63.3	121.9	13.001	13.025	0.452	1248.5	405	17.54	0.084	5.0	83.5	9.8
	115.0	53.1	122.2	13.160	13.226	0.454	1259.4	292	14.45	0.050	3.0	83.2	9.8
	115.0	44.0	123.5	13.249	13.352	0.460	1264.0	183	12.52	0.027	1.6	83.0	9.9

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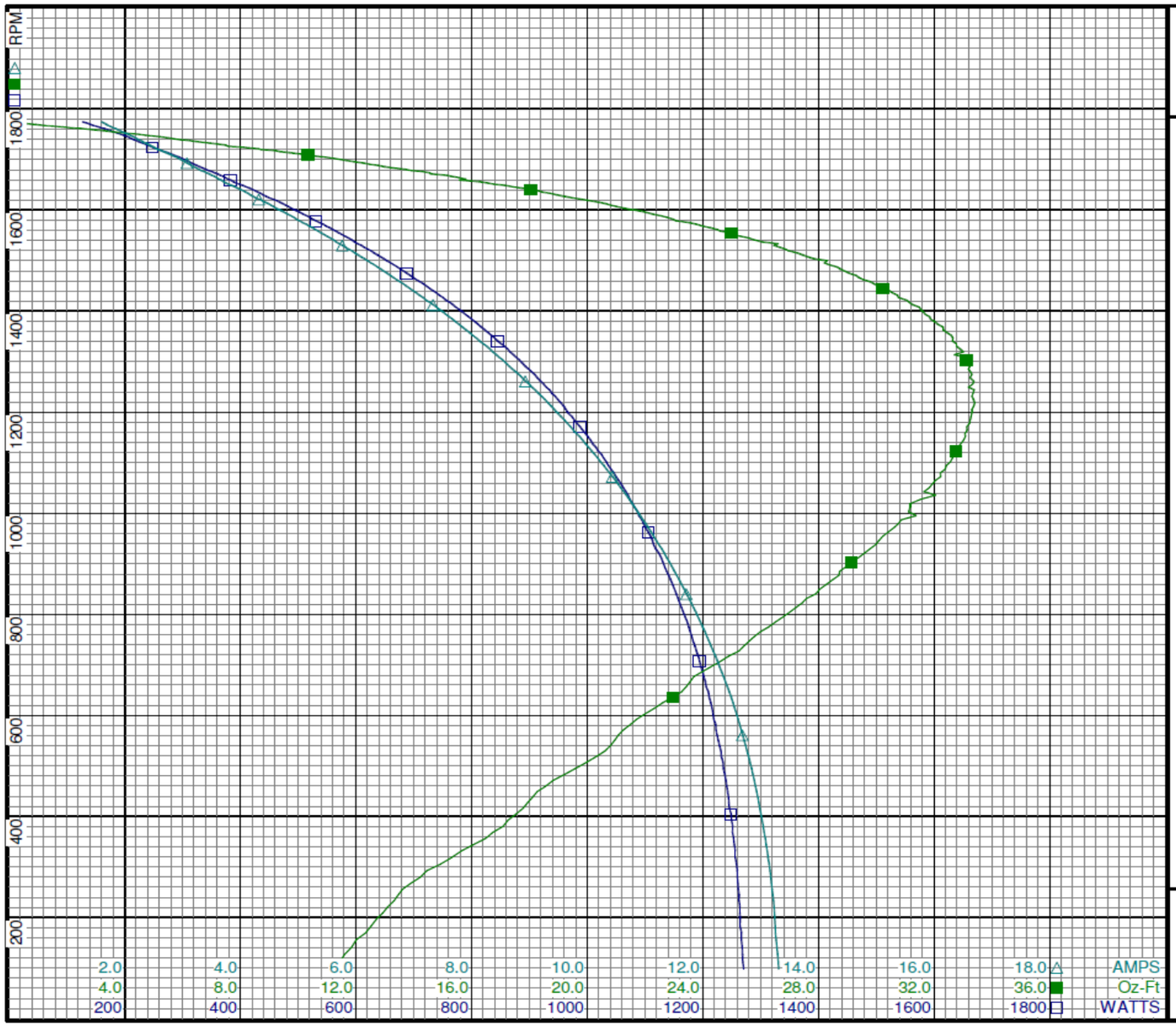
Performance Data

1YAZ5BG	REV. -



Curve Descriptions:

Motor(1) Test 4 Run 115V 60 Hz 4P

- SPEED vs WATTS
- SPEED vs TORQUE
- SPEED vs ILine

Motor Ratings:

(1) K055LKY223301 1YAZ5BG

DRAWING NO. 1YAZ5BG	PAGE 4 of 8	REV. -

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Performance Data

1YAZ5BG	REV. -

Dayton Manufacturing Company

Motor Description

Model:	K055LKY223301	1YAZ5BG
Motor ID:	1	
Poles:	4	
Volts:	115-230	
Frequency:	60	
HP:	1/3	
Speed:	1700	
Phase:	1	
Protector:	7AM036	

Test Conditions

Test Type:	Start	Run Cap:	10 µfd
Test Number:	10	Start Cap:	0 µfd
Poles:	4	Environment:	
Volts:	230	Tested:	3/30/2010 1:18:23 PM
Hz:	60	Tested By:	Sharp, Gerald
Rotation:		Gear Ratio:	1:1
Special Cond:		Bearing Friction:	-0.85 Oz-Ft
Speed Conn:		Windage Torque:	-3.18 Oz-Ft
TestBoard:	Amtps Performance	Fixture #4	

Special Points	Vline(V)	Vaux(V)	Vcap(V)	Iline(A)	Imain(A)	Iaux(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)	Cap
	230.0	110.8	129.2	6.740	6.910	0.484	1282.4	0	9.15	0.000	0.0	82.7	9.9
PUT OZ-FT	**230.0**	**111.8**	**128.7**	**6.722**	**6.887**	**0.481**	**1278.2**	**19**	**8.92**	**0.002**	**0.1**	**82.7**	**9.9**
	230.0	112.4	128.4	6.723	6.885	0.479	1279.2	26	9.13	0.003	0.2	82.7	9.9
	230.0	127.3	121.1	6.700	6.801	0.446	1274.0	186	12.14	0.027	1.6	82.7	9.8
	230.0	138.6	121.0	6.579	6.625	0.445	1256.8	353	15.93	0.067	4.0	83.1	9.7
	230.0	151.8	122.3	6.424	6.411	0.450	1235.6	502	19.40	0.116	7.0	83.6	9.8
	230.0	165.0	125.2	6.237	6.166	0.464	1207.6	634	22.52	0.170	10.5	84.2	9.8
	230.0	177.2	130.7	6.023	5.897	0.489	1175.8	749	25.30	0.226	14.3	84.9	9.9
	230.0	189.4	137.5	5.787	5.607	0.516	1140.4	853	27.45	0.279	18.2	85.7	9.9
	230.0	200.8	145.8	5.540	5.306	0.545	1099.4	947	29.56	0.333	22.6	86.3	9.9
	230.0	212.2	154.7	5.285	5.000	0.578	1058.4	1032	30.95	0.380	26.8	87.1	9.9
	230.0	223.0	164.3	5.021	4.687	0.613	1014.3	1109	32.00	0.422	31.1	87.8	9.9
	230.0	233.4	174.4	4.754	4.375	0.650	967.9	1178	32.52	0.456	35.1	88.5	9.9
	230.0	243.6	184.8	4.479	4.056	0.689	920.9	1242	32.57	0.482	39.0	89.4	9.9
	230.0	253.2	195.3	4.207	3.741	0.727	869.9	1300	32.32	0.500	42.9	89.9	9.9
	230.0	262.4	205.8	3.938	3.434	0.765	818.9	1353	31.61	0.509	46.4	90.4	9.9
	230.0	271.3	216.5	3.671	3.129	0.804	767.2	1401	30.56	0.510	49.6	90.9	9.9
	230.0	279.8	226.9	3.410	2.835	0.841	715.4	1445	29.35	0.505	52.6	91.2	9.8
	230.0	287.7	236.8	3.157	2.555	0.877	664.5	1484	27.72	0.490	55.0	91.5	9.8
	230.0	295.3	246.6	2.911	2.286	0.912	613.7	1521	26.05	0.472	57.3	91.7	9.8
	230.0	302.6	256.2	2.675	2.033	0.946	565.0	1553	24.13	0.446	58.9	91.8	9.8
	230.0	309.4	265.3	2.452	1.802	0.978	517.3	1584	22.09	0.417	60.1	91.7	9.8
	230.0	316.1	274.7	2.227	1.577	1.011	468.4	1612	19.86	0.381	60.7	91.5	9.8
	230.0	322.7	283.4	2.023	1.384	1.042	424.1	1638	17.69	0.345	60.7	91.2	9.7
	230.0	328.9	292.1	1.830	1.223	1.072	381.2	1662	15.43	0.305	59.7	90.5	9.7
	230.0	335.6	301.1	1.640	1.085	1.104	338.4	1684	13.03	0.261	57.6	89.7	9.7
	230.0	342.1	310.9	1.451	0.994	1.138	294.1	1705	10.47	0.213	53.9	88.1	9.7
	230.0	348.5	320.9	1.283	0.969	1.175	252.6	1725	7.88	0.162	47.8	85.6	9.7
	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	363.1	351.3	0.845	1.188	1.285	134.2	1777	0.00	0.000	0.0	69.0	9.7

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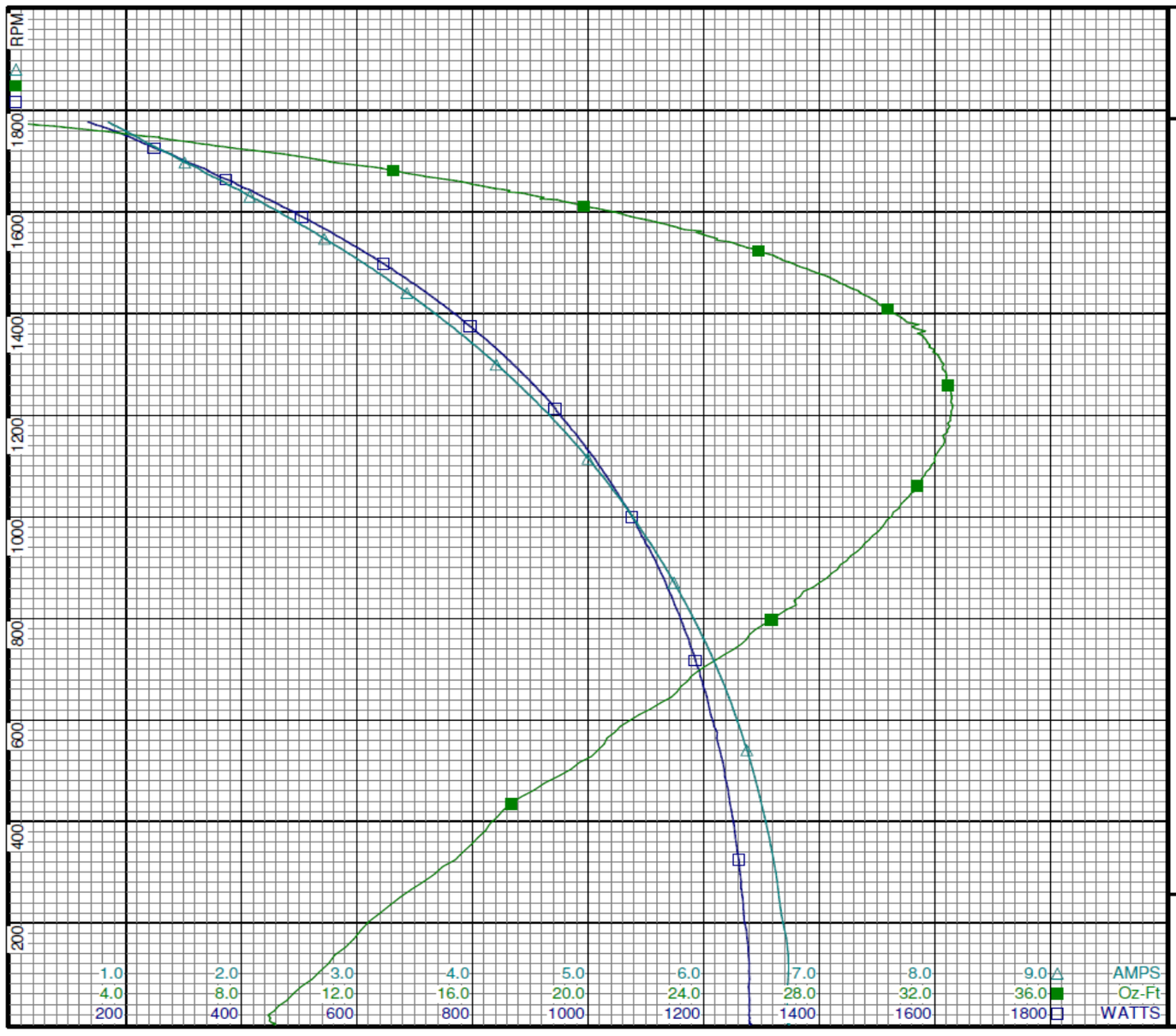
Performance Data

1YAZ5BG	REV. -



Curve Descriptions:

Motor(1) Test 10 Start 230V 60 Hz 4P

- SPEED vs WATTS
- SPEED vs TORQUE
- SPEED vs ILine

Motor Ratings:

(1) K055LKY223301 1YAZ5BG

DRAWING NO. 1YAZ5BG	PAGE 6 of 8	REV. -

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Performance Data

1YAZ5BG	REV. -

Dayton Manufacturing Company

Motor Description

Model:	K055LKY223301	1YAZ5BG
Motor ID:	1	
Poles:	4	
Volts:	115-230	
Frequency:	60	
HP:	1/3	
Speed:	1700	
Phase:	1	
Protector:	7AM036	

Test Conditions

Test Type:	Run	Run Cap:	10 µfd
Test Number:	12	Start Cap:	0 µfd
Poles:	4	Environment:	
Volts:	230	Tested:	3/30/2010 1:13:18 PM
Hz:	60	Tested By:	Sharp, Gerald
Rotation:		Gear Ratio:	1:1
Special Cond:		Bearing Friction:	-1.17 Oz-Ft
Speed Conn:		Windage Torque:	-3.32 Oz-Ft
TestBoard:	Amtps Performance	Fixture #4	

Special Points	Vline(V)	Vaux(V)	Vcap(V)	Iline(A)	Imain(A)	Iaux(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)	Cap
	230.0	361.8	351.3	0.814	1.187	1.287	129.2	1774	0.00	0.000	0.0	69.0	9.7
	230.0	360.2	343.9	0.946	1.054	1.260	170.7	1758	2.70	0.056	24.7	78.4	9.7
	230.0	355.9	333.6	1.102	0.965	1.223	212.2	1743	5.39	0.112	39.3	83.7	9.7
	230.0	349.4	322.8	1.260	0.948	1.184	250.5	1726	7.95	0.163	48.7	86.5	9.7
	230.0	342.7	312.9	1.430	0.978	1.147	291.5	1706	10.47	0.213	54.4	88.7	9.7
1700 RPM	**230.0**	**340.8**	**310.0**	**1.489**	**0.998**	**1.136**	**305.1**	**1700**	**11.31**	**0.229**	**56.0**	**89.1**	**9.7**
	230.0	336.2	303.4	1.623	1.074	1.112	335.4	1686	13.08	0.263	58.4	89.8	9.7
	230.0	330.8	294.7	1.813	1.197	1.081	380.0	1664	15.62	0.309	60.8	91.1	9.7
16.5 OZ-FT	**230.0**	**327.8**	**290.8**	**1.897**	**1.272**	**1.068**	**397.7**	**1654**	**16.50**	**0.325**	**61.0**	**91.2**	**9.7**
	230.0	324.2	285.9	2.009	1.364	1.049	422.1	1641	17.90	0.350	61.8	91.4	9.7
	230.0	317.6	276.2	2.228	1.567	1.015	470.2	1615	20.37	0.392	62.1	91.8	9.8
	230.0	310.7	266.7	2.456	1.796	0.983	519.3	1588	22.58	0.427	61.3	91.9	9.8
	230.0	303.7	257.0	2.689	2.041	0.949	569.1	1558	24.61	0.456	59.8	92.0	9.8
	230.0	296.4	247.4	2.930	2.298	0.915	619.6	1526	26.68	0.485	58.4	91.9	9.8
0.5 HP	**230.0**	**291.5**	**240.9**	**3.094**	**2.477**	**0.892**	**652.9**	**1504**	**27.93**	**0.500**	**57.1**	**91.8**	**9.8**
	230.0	289.1	237.7	3.174	2.566	0.881	669.5	1492	28.41	0.505	56.2	91.7	9.8
	230.0	281.1	227.8	3.426	2.846	0.845	719.9	1454	30.00	0.519	53.8	91.4	9.8
	230.0	273.1	217.8	3.684	3.135	0.810	771.0	1413	31.33	0.527	51.0	91.0	9.9
	230.0	264.8	207.6	3.948	3.434	0.773	822.9	1368	32.37	0.527	47.8	90.6	9.9
	230.0	256.2	197.6	4.203	3.727	0.737	870.8	1321	33.05	0.520	44.5	90.1	9.9
BDT OZ-FT	**230.0**	**249.2**	**189.9**	**4.405**	**3.961**	**0.709**	**908.5**	**1280**	**33.72**	**0.514**	**42.2**	**89.7**	**9.9**
	230.0	247.1	187.7	4.463	4.027	0.701	918.9	1269	33.34	0.504	40.9	89.5	9.9
	230.0	238.0	178.0	4.719	4.322	0.665	961.4	1212	33.50	0.483	37.5	88.6	9.9
	230.0	229.0	168.8	4.961	4.606	0.631	1004.8	1153	33.16	0.455	33.8	88.1	9.9
	230.0	219.6	160.0	5.200	4.884	0.599	1045.9	1088	32.55	0.421	30.1	87.4	9.9
	230.0	210.0	151.9	5.427	5.154	0.570	1084.1	1019	31.48	0.382	26.3	86.9	10.0
	230.0	200.5	144.4	5.640	5.411	0.542	1118.8	945	30.22	0.340	22.7	86.2	10.0
	230.0	190.9	137.8	5.841	5.656	0.519	1149.7	868	28.55	0.295	19.1	85.6	10.0
	230.0	181.0	132.2	6.024	5.884	0.497	1177.3	785	26.52	0.248	15.7	85.0	10.0
	230.0	171.4	127.4	6.192	6.096	0.478	1202.6	696	24.31	0.201	12.5	84.5	10.0
	230.0	162.0	123.8	6.337	6.283	0.461	1222.9	602	21.94	0.157	9.6	83.9	9.9
	230.0	152.5	122.0	6.456	6.441	0.452	1239.5	506	19.88	0.120	7.2	83.5	9.8
	230.0	143.2	121.3	6.552	6.580	0.450	1253.6	403	17.45	0.084	5.0	83.2	9.8
	230.0	134.5	121.0	6.627	6.694	0.449	1264.0	291	14.39	0.050	2.9	82.9	9.8
	230.0	125.8	122.4	6.672	6.777	0.454	1269.9	182	12.46	0.027	1.6	82.7	9.8

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Performance Data

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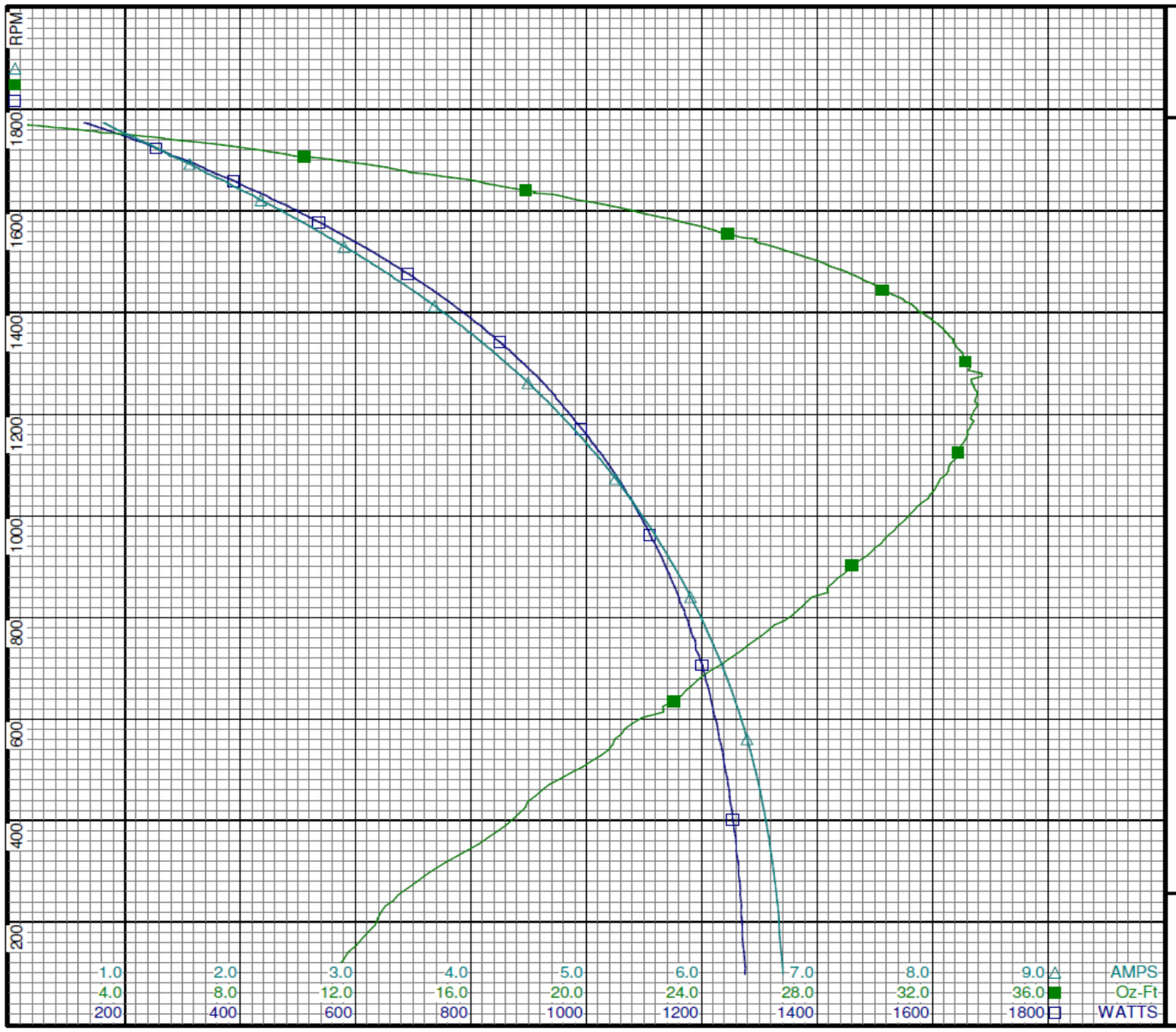

Dayton

Curve Descriptions:

Motor(1) Test 12 Run 230V 60 Hz 4P

- SPEED vs WATTS
- SPEED vs TORQUE
- SPEED vs ILine

Motor Ratings:

(1) K055LKY223301 1YAZ5BG

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

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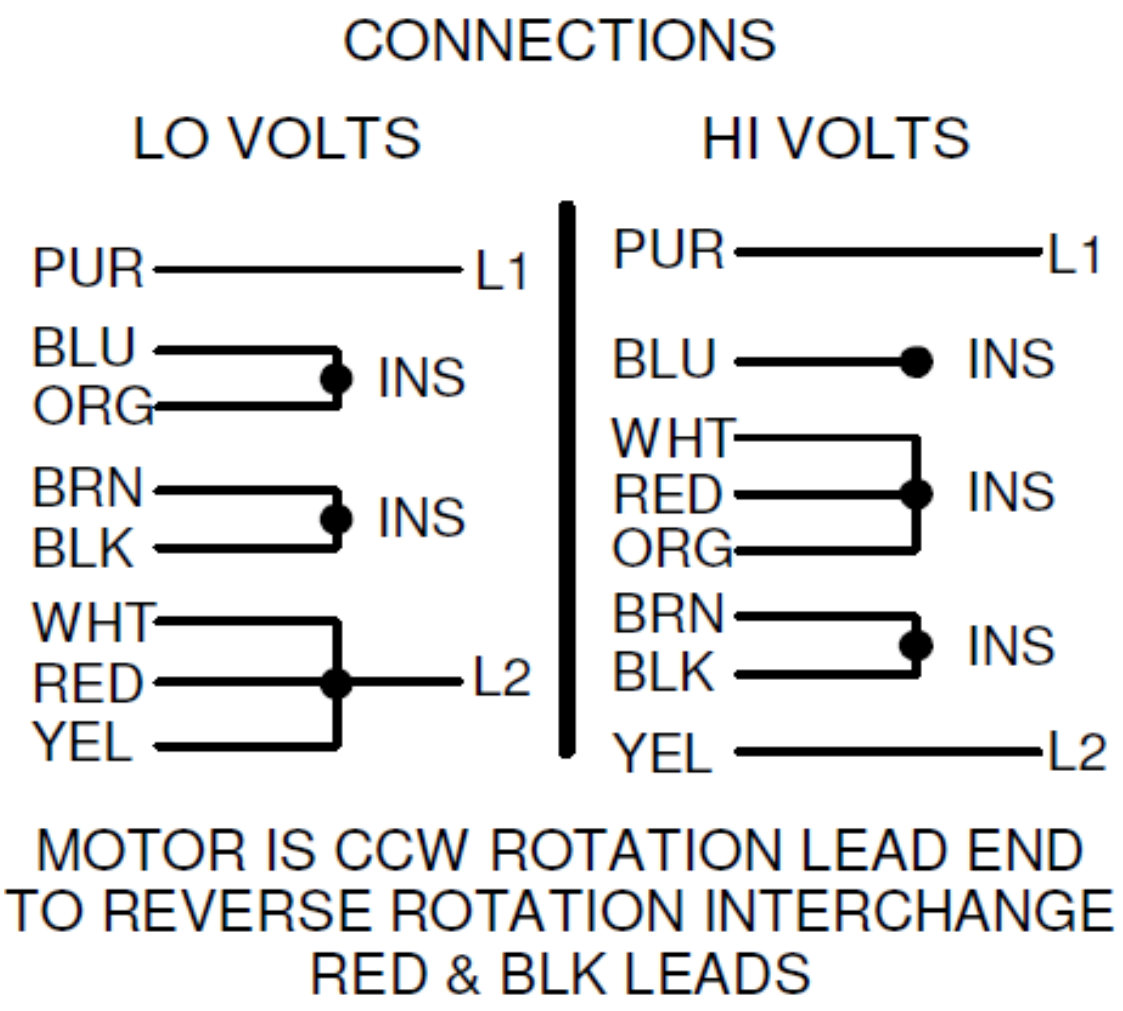
Wiring Diagram

1YAZ5BG	REV. 0



MOTOR IS CCW ROTATION LEAD END
TO REVERSE ROTATION INTERCHANGE
RED & BLK LEADS

DRAWING NO.	PAGE 1 of 1	REV.
1YAZ5BG		0

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Dayton®

AGRICULTURAL FAN MOTOR

BAR CODE

Part No 1YAZ5BG

HP: 1/3
VOLTS: 115/230
AMPS: 3.8/1.9
RPM: 1700
DUTY: CONT
SF: 1.00
KVA CODE: E
ENCL: TEAO

PH: 1
HZ: 60
FR: 48YZ
INS CL: B
AMB: 40 °C
SFA: 3.8/1.9

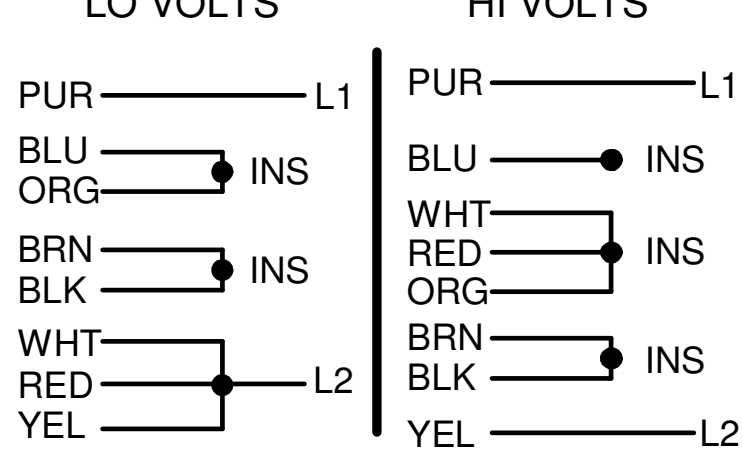
THERMALLY PROTECTED: AUTO

MFG. NO. [ ] [ ] PROT. CODE : [7A010] AVG. F.L. EFF.

MTR REF: K55HXLKY-2233

Disconnect Power Before Making Any Electrical Connections or Changes

CONNECTIONS



MOTOR IS CCW ROTATION LEAD END
TO REVERSE ROTATION INTERCHANGE
RED & BLK LEADS

E37403

258501

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