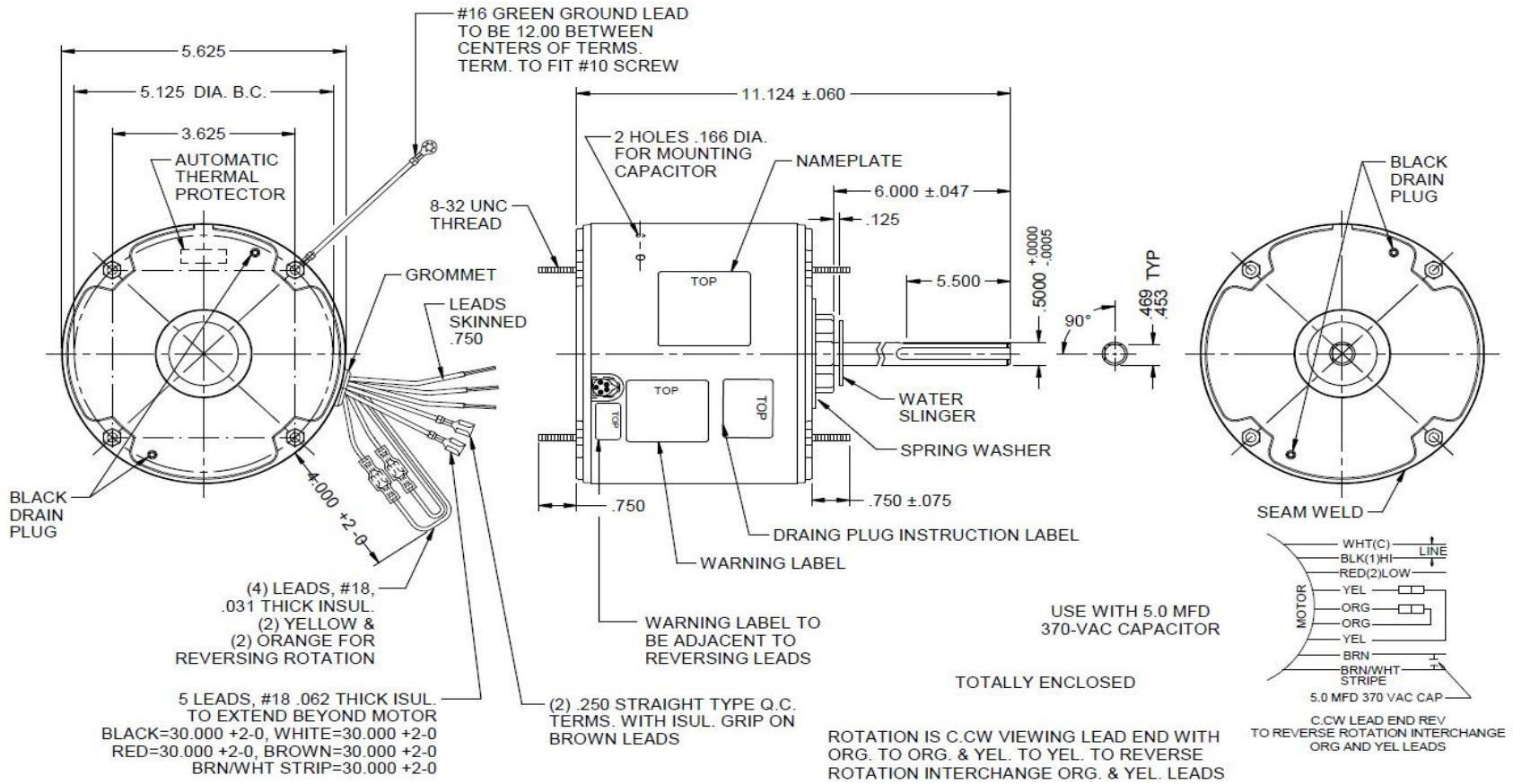
Dimensional Drawing

4M060BG	REV. -

MODEL	REF	CUSTOMER	HP	VOLTS	AMPS	HZ	RPM	ROTATION	CUSTOMER PN	DESCRIPTION / REMARKS
K55HXJWN-2310		GRAINGER	1/4	208-230	2.0-1.9	60	1075/2 SPD	C.CW. LEAD END REV	4M060BG	48YZ, TEAO, K55 STUD OR HUB MTD. BALL BRG.



DRAWING NO.	PAGE 1 of 1	REV.
4M060BG		-

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

Performance Data

4M060BG	REV. -

SHADED-POLE & PSC MOTOR PERFORMANCE

HP:	1/4							
Poles:	6							
Ambient (°C):	40							
Altitude (FASL)**:**								
No. of Speeds:	2							
HIGH SPEED								
Volts:	208-230	**208**	**230**					
HZ:	60	**60**	**60**					
Service Factor:	1							
Efficiency:	@ Rated Load							
Power Factor:	@ Rated Load							
Amps:	@ No Load							
	@ Rated Load	1	1.1					
	@ Locked Rotor	2.1	2.3					
RPM:	@ Rated Load	1075	1075					
Torques:	Breakdown	12.5	15.8					
	Locked Rotor	0.8	2					
	Pull-Up	0.8	2					
	Rated Load	9.7	12.4					
	Service Factor	N/A	N/A					
Watts:	Rated Load	164.4	203					
Temperature Rise:	@ Rated Load	TEAO	TEAO					
Thermal Protector:	Trip Temp (°C)							
Winding Material:	Start (Auxiliary)	Cu	Cu					
	Run (Main)	Cu	Cu					
Capacitor(s):	Run (MFD / Volts)	5mf 370v						
	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							

DRAWING NO.	PAGE 1 of 1	REV.
4M060BG		-

Performance Data

4M060BG	REV. -

Dayton Manufacturing Company

Motor Description

Model:	K055HXJWN2310	4M060BG
Motor ID:	1 of 1	
Poles:	6	
Volts:	208-230	
Frequency:	60	
HP:	1/4	
Speed:	1075	
Phase:	1	
Protector:	7AM036-A5	

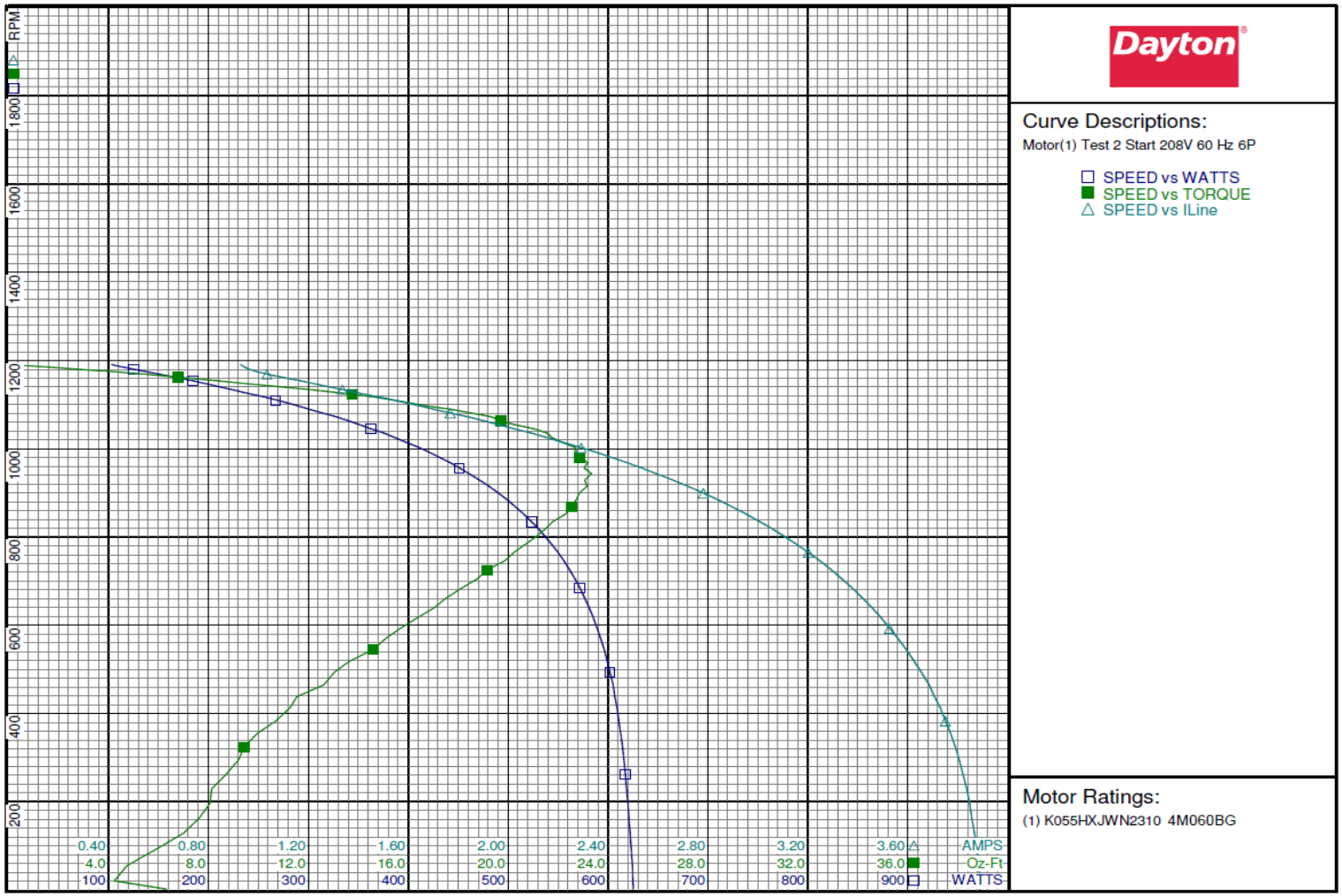
Test Conditions

Test Type:	Start	Run Cap:	5 µFd
Test Number:	2	Start Cap:	0µfd
Poles:	6	Environment:	24.8 Deg C 29 % RH 969 hPa
Volts:	208	Tested:	1/28/2016 4:23:04 PM
Hz:	60	Tested By:	Navarro, Susana
Rotation:		Gear Ratio:	1:1
Special Cond:		Bearing Friction:	-0.53 Oz-Ft
Speed Conn:		Windage Torque:	-1.29 Oz-Ft
TestBoard:	CMD InLine Three Phase #2 Fixture #1		

Special Points PUT OZ-FT	Vline(V)	Vaux(V)	Vcap(V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)
	208.0	**56.7**	**239.7**	**3.888**	**624.8**	**20**	**4.23**	**0.001**	**0.1**	**77.2**
	208.0	56.7	239.7	3.888	624.8	20	4.23	0.001	0.1	77.2
	208.0	58.7	235.3	3.867	622.0	128	6.99	0.011	1.3	77.3
	208.0	61.7	232.1	3.836	618.5	229	8.12	0.022	2.7	77.5
	208.0	65.8	230.0	3.790	614.4	324	9.42	0.036	4.4	77.9
	208.0	71.8	227.8	3.729	608.9	413	11.27	0.055	6.8	78.5
	208.0	78.8	226.5	3.653	601.8	494	13.04	0.077	9.5	79.2
	208.0	86.8	225.8	3.560	592.4	570	15.10	0.102	12.9	80.0
	208.0	95.4	225.7	3.455	580.9	640	17.05	0.130	16.7	80.8
	208.0	104.8	226.6	3.335	566.6	705	18.77	0.158	20.7	81.7
	208.0	114.9	228.5	3.202	549.7	765	20.23	0.184	25.0	82.5
	208.0	125.8	231.8	3.053	529.7	820	21.52	0.210	29.6	83.4
	208.0	137.5	236.7	2.891	506.5	870	22.54	0.233	34.4	84.2
	208.0	149.7	243.3	2.719	480.8	914	23.16	0.252	39.1	85.0
	208.0	162.4	251.3	2.534	451.2	956	23.04	0.262	43.4	85.6
	208.0	174.9	260.7	2.347	420.0	992	22.66	0.268	47.6	86.0
	208.0	187.6	271.3	2.153	386.3	1025	21.74	0.265	51.2	86.2
	208.0	200.2	283.1	1.957	350.3	1055	20.20	0.254	54.0	86.1
	208.0	212.0	295.3	1.769	314.1	1081	18.51	0.238	56.6	85.4
	208.0	222.9	307.3	1.591	278.5	1104	15.99	0.210	56.3	84.2
	208.0	232.5	319.0	1.427	243.6	1123	13.76	0.184	56.3	82.1
	208.0	240.5	329.9	1.283	211.2	1140	10.92	0.148	52.3	79.2
	208.0	246.4	339.3	1.168	184.3	1154	8.35	0.115	46.4	75.9
	208.0	251.2	348.9	1.060	157.5	1166	6.05	0.084	39.7	71.4
	208.0	254.8	357.3	0.989	136.0	1175	4.06	0.057	31.2	66.1
	208.0	257.5	363.0	0.954	120.2	1182	2.17	0.031	19.0	60.6
	208.0	259.9	367.9	0.934	106.4	1188	0.50	0.007	5.0	54.8
	208.0	260.6	369.1	0.929	103.2	1191	0.00	0.000	0.0	53.4

Performance Data

4M060BG	REV. -



DRAWING NO.	PAGE 2 of 16	REV.
4M060BG		-

4M060BG	REV. -

Dayton Manufacturing Company

Motor Description

Model:	K055HXJWN2310	4M060BG
Motor ID:	1 of 1	
Poles:	6	
Volts:	208-230	
Frequency:	60	
HP:	1/4	
Speed:	1075	
Phase:	1	
Protector:	7AM036-A5	

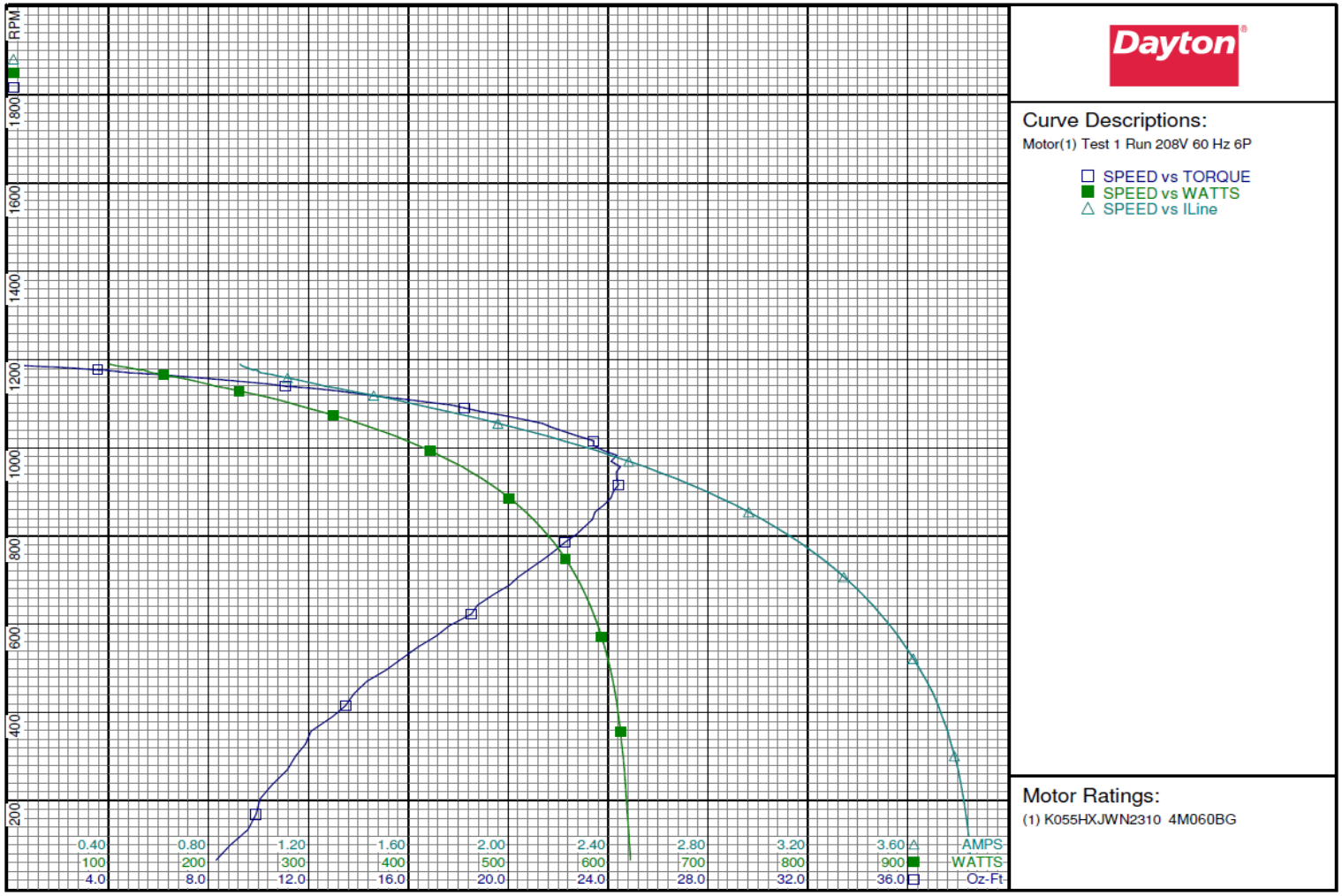
Test Conditions

Test Type:	Run	Run Cap:	5 µFd
Test Number:	1	Start Cap:	0µfd
Poles:	6	Environment:	24.8 Deg C 29 % RH 969 hPa
Volts:	208	Tested:	1/28/2016 4:21:45 PM
Hz:	60	Tested By:	Navarro, Susana
Rotation:		Gear Ratio:	1:1
Special Cond:		Bearing Friction:	-0.51 Oz-Ft
Speed Conn:		Windage Torque:	-0.97 Oz-Ft
TestBoard:	CMD InLine Three Phase #2 Fixture #1		

Special Points	Vline(V)	Vaux(V)	Vcap(V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)
	208.0	260.7	369.1	0.927	100.7	1190	0.00	0.000	0.0	52.3
	208.0	259.8	367.5	0.931	105.7	1187	0.46	0.006	4.6	54.6
	208.0	257.9	363.9	0.947	116.5	1183	1.81	0.025	16.3	59.2
	208.0	255.9	359.8	0.970	127.8	1178	3.20	0.045	26.2	63.3
	208.0	254.9	358.1	0.988	133.4	1177	3.56	0.050	27.9	64.9
	208.0	251.3	349.3	1.054	155.6	1165	6.06	0.084	40.3	70.9
	208.0	248.7	343.3	1.117	171.4	1158	7.68	0.106	46.1	73.8
	208.0	245.2	336.8	1.193	189.9	1149	9.50	0.130	51.0	76.5
	208.0	241.3	330.7	1.266	207.1	1139	11.08	0.150	54.1	78.6
	208.0	235.5	322.9	1.370	230.8	1128	13.21	0.178	57.4	81.0
	208.0	230.4	316.1	1.462	251.0	1118	14.46	0.193	57.2	82.5
	208.0	222.6	306.8	1.592	278.7	1103	16.81	0.221	59.1	84.2
	208.0	216.4	299.9	1.695	299.3	1090	18.27	0.237	59.1	84.9
18.66 OZ-FT	**208.0**	**214.1**	**297.3**	**1.734**	**307.2**	**1085**	**18.66**	**0.241**	**58.5**	**85.2**
0.25 HP	**208.0**	**209.7**	**292.5**	**1.807**	**321.7**	**1076**	**19.52**	**0.250**	**58.0**	**85.6**
1075 RPM	**208.0**	**209.4**	**292.1**	**1.812**	**322.7**	**1075**	**19.59**	**0.251**	**58.0**	**85.6**
	208.0	208.6	291.3	1.824	325.1	1073	19.75	0.252	57.9	85.7
	208.0	200.1	282.7	1.960	351.0	1055	21.37	0.268	57.0	86.1
	208.0	192.1	275.0	2.089	374.8	1036	22.25	0.275	54.6	86.3
	208.0	183.8	267.6	2.220	398.3	1015	23.42	0.283	53.0	86.3
	208.0	175.0	260.2	2.357	422.2	993	23.83	0.282	49.8	86.1
	208.0	166.5	253.8	2.483	443.2	969	24.12	0.278	46.8	85.8
BDT OZ-FT	**208.0**	**162.2**	**250.6**	**2.549**	**454.2**	**957**	**24.49**	**0.279**	**45.8**	**85.7**
	208.0	158.8	248.3	2.599	462.3	945	24.33	0.274	44.2	85.5
	208.0	149.6	242.7	2.733	483.3	915	24.41	0.266	41.0	85.0
	208.0	141.4	238.2	2.850	501.0	886	24.10	0.254	37.8	84.5
	208.0	133.4	234.4	2.963	517.6	854	23.47	0.239	34.4	84.0
	208.0	125.7	231.3	3.067	532.1	821	23.05	0.225	31.6	83.4
	208.0	118.4	229.0	3.167	545.7	785	22.26	0.208	28.4	82.8
	208.0	111.6	227.5	3.256	557.3	748	21.45	0.191	25.6	82.3
	208.0	104.7	226.2	3.345	568.3	707	20.41	0.172	22.5	81.7
	208.0	98.7	225.7	3.419	577.2	667	19.40	0.154	19.9	81.2
	208.0	92.8	225.5	3.490	585.4	623	18.53	0.137	17.5	80.6
	208.0	86.7	225.7	3.562	593.3	572	17.10	0.117	14.7	80.1
	208.0	81.4	226.2	3.623	599.6	522	15.75	0.098	12.2	79.6
	208.0	76.6	227.0	3.676	604.8	470	14.34	0.080	9.9	79.1
	208.0	71.9	227.8	3.722	609.0	415	13.48	0.067	8.2	78.7
	208.0	67.9	229.1	3.759	612.4	357	12.10	0.051	6.3	78.3
	208.0	64.7	230.5	3.788	615.0	301	11.49	0.041	5.0	78.1
	208.0	61.8	232.0	3.813	617.3	236	10.55	0.030	3.6	77.8
	208.0	59.8	234.0	3.833	619.3	169	9.90	0.020	2.4	77.7
	208.0	58.0	236.7	3.847	621.5	98	8.86	0.010	1.2	77.7

Performance Data

4M060BG	REV. -



Dayton

Curve Descriptions:

Motor(1) Test 1 Run 208V 60 Hz 6P

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

Motor Ratings:

(1) K055HXJWN2310 4M060BG

DRAWING NO.	PAGE 4 of 16	REV.
4M060BG		-

4M060BG	REV. -

Dayton Manufacturing Company

Motor Description

Model:	K055HXJWN2310	4M060BG
Motor ID:	1 of 1	
Poles:	6	
Volts:	208-230	
Frequency:	60	
HP:	1/4	
Speed:	1075	
Phase:	1	
Protector:	7AM036-A5	

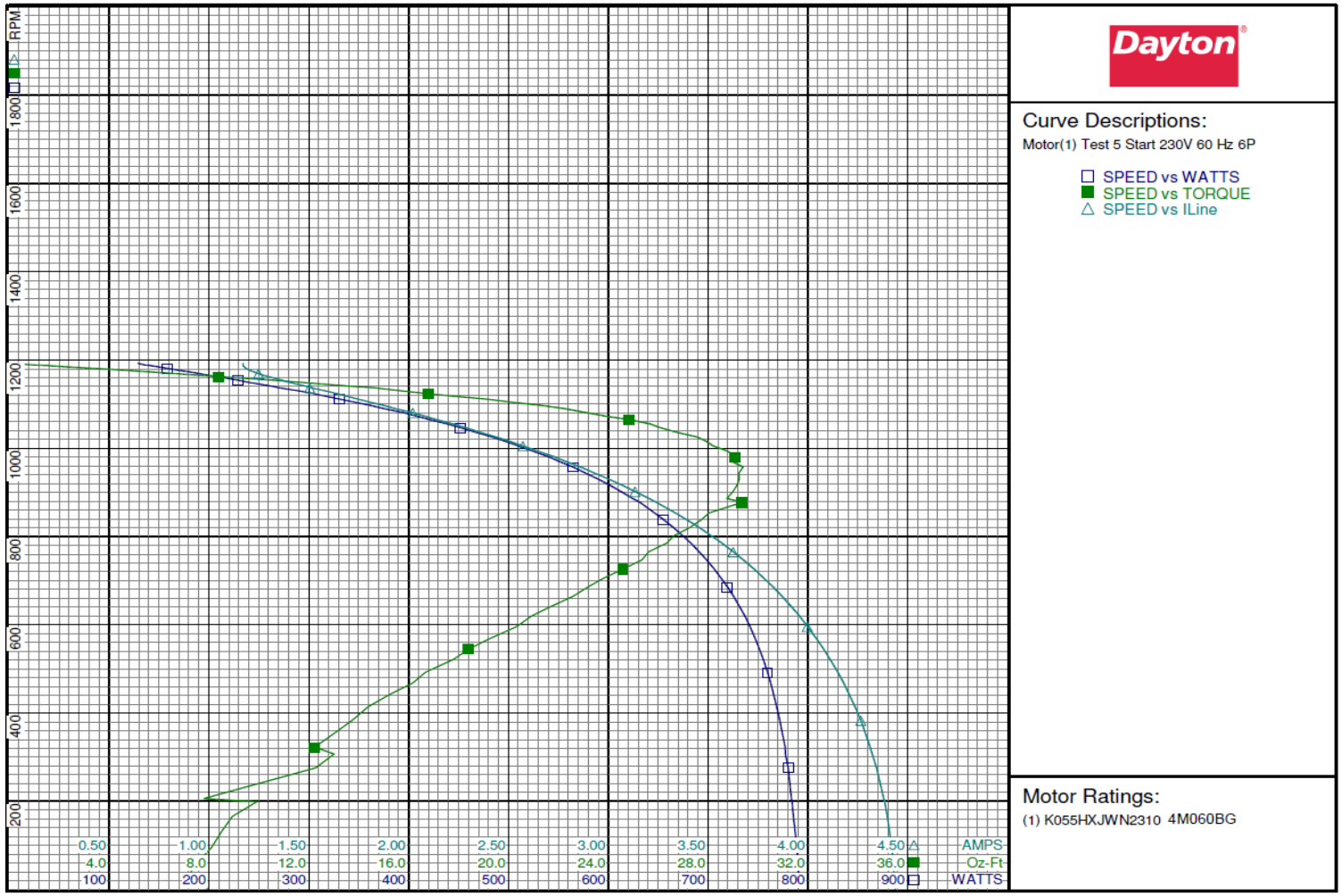
Test Conditions

Test Type:	Start	Run Cap:	5 µFd
Test Number:	5	Start Cap:	0µfd
Poles:	6	Environment:	24.5 Deg C 29 % RH 969 hPa
Volts:	230	Tested:	1/28/2016 4:16:57 PM
Hz:	60	Tested By:	Navarro, Susana
Rotation:		Gear Ratio:	1:1
Special Cond:		Bearing Friction:	-0.55 Oz-Ft
Speed Conn:		Windage Torque:	-1.92 Oz-Ft
TestBoard:	CMD InLine Three Phase #2 Fixture #1		

Special Points PUT OZ-FT	Vline(V)	Vaux(V)	Vcap(V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)
	230.0	**60.9**	**263.7**	**4.433**	**790.4**	**22**	**7.08**	**0.002**	**0.2**	**77.5**
	230.0	60.9	263.7	4.433	790.4	22	7.08	0.002	0.2	77.5
	230.0	63.5	258.8	4.408	786.9	132	8.51	0.013	1.3	77.6
	230.0	66.4	256.8	4.379	783.3	206	7.80	0.019	1.8	77.8
	230.0	71.7	253.9	4.311	777.0	322	12.23	0.047	4.5	78.4
	230.0	78.7	250.9	4.236	768.6	413	14.36	0.071	6.9	78.9
	230.0	86.3	249.6	4.149	759.4	492	16.67	0.098	9.6	79.6
	230.0	94.8	248.9	4.045	747.5	566	19.17	0.129	12.9	80.3
	230.0	104.8	248.9	3.921	732.0	638	21.59	0.164	16.7	81.2
	230.0	115.2	250.0	3.782	713.3	704	23.76	0.199	20.8	82.0
	230.0	126.7	252.3	3.626	690.9	765	25.61	0.233	25.2	82.9
	230.0	138.7	256.2	3.460	666.0	818	27.22	0.265	29.7	83.7
	230.0	154.1	262.9	3.240	631.5	877	29.36	0.306	36.2	84.7
	230.0	164.7	269.2	3.074	602.3	915	29.14	0.317	39.3	85.2
	230.0	179.1	278.7	2.860	564.4	957	29.40	0.335	44.3	85.8
	230.0	192.7	289.1	2.649	524.9	993	28.79	0.340	48.4	86.2
	230.0	206.2	300.5	2.440	483.7	1025	27.57	0.336	51.9	86.2
	230.0	219.7	313.2	2.219	438.3	1055	25.67	0.322	54.9	85.9
	230.0	232.3	325.6	2.020	395.2	1080	23.14	0.298	56.2	85.0
	230.0	243.9	339.3	1.814	347.5	1103	20.23	0.266	57.1	83.3
	230.0	253.3	351.0	1.644	305.5	1123	16.81	0.225	54.9	80.8
	230.0	261.4	362.0	1.489	264.1	1140	13.76	0.187	52.8	77.1
	230.0	266.7	371.7	1.365	229.1	1154	10.56	0.145	47.2	73.0
	230.0	271.3	380.8	1.267	197.8	1166	7.42	0.103	38.9	67.9
	230.0	274.3	388.0	1.208	172.2	1175	4.89	0.068	29.6	62.0
	230.0	276.6	393.3	1.181	153.9	1183	2.79	0.039	19.0	56.7
	230.0	279.3	398.0	1.170	135.1	1189	0.94	0.013	7.3	50.2
	230.0	280.2	400.0	1.170	128.7	1192	0.00	0.000	0.0	47.8

Performance Data

4M060BG	REV. -



DRAWING NO.	PAGE 6 of 16	REV.
4M060BG		-

4M060BG	REV. -

Dayton Manufacturing Company

Motor Description

Model:	K055HXJWN2310	4M060BG
Motor ID:	1 of 1	
Poles:	6	
Volts:	208-230	
Frequency:	60	
HP:	1/4	
Speed:	1075	
Phase:	1	
Protector:	7AM036-A5	

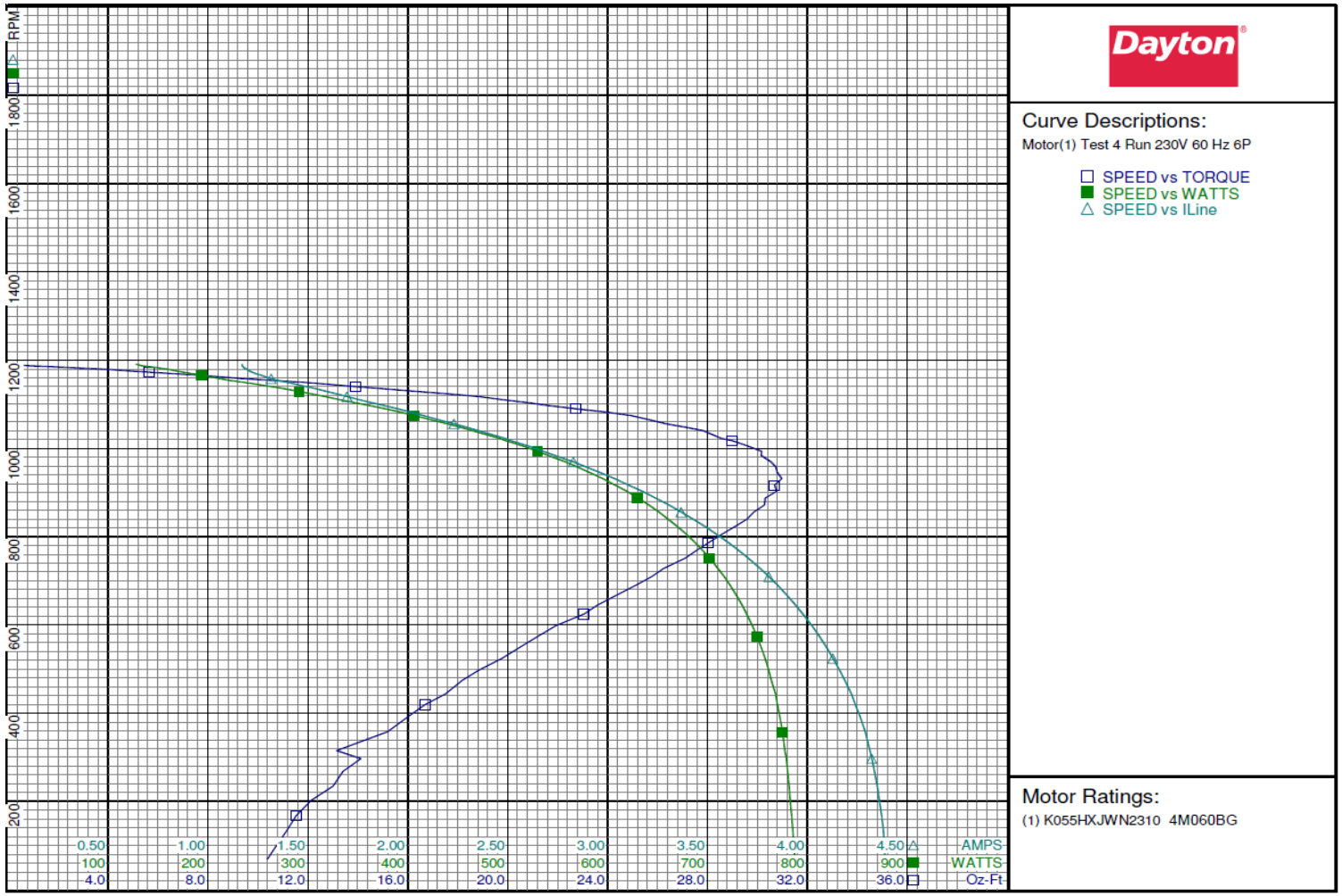
Test Conditions

Test Type:	Run		Run Cap:	5 µFd	
Test Number:	4		Start Cap:	0µfd	
Poles:	6		Environment:	24.5 Deg C	29 % RH 969 hPa
Volts:	230		Tested:	1/28/2016 4:15:38 PM	
Hz:	60		Tested By:	Navarro, Susana	
Rotation:			Gear Ratio:	1:1	
Special Cond:			Bearing Friction:	-0.52 Oz-Ft	
Speed Conn:			Windage Torque:	-2.05 Oz-Ft	
TestBoard:	CMD InLine Three Phase #2	Fixture #1			

Special Points	Vline(V)	Vaux(V)	Vcap(V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)
	230.0	279.5	398.8	1.171	127.8	1190	0.00	0.000	0.0	47.5
	230.0	278.6	397.2	1.172	133.3	1187	0.77	0.011	6.1	49.4
	230.0	276.6	393.2	1.180	148.2	1183	2.44	0.034	17.3	54.6
	230.0	274.8	389.4	1.197	162.0	1178	4.14	0.058	26.7	58.8
	230.0	273.2	385.7	1.221	175.4	1172	5.66	0.079	33.6	62.5
	230.0	270.9	380.4	1.265	194.1	1165	7.64	0.106	40.7	66.7
	230.0	268.5	375.2	1.317	211.8	1158	9.40	0.130	45.6	69.9
	230.0	265.4	369.0	1.394	235.3	1150	11.82	0.162	51.3	73.4
	230.0	261.0	361.3	1.493	263.8	1139	13.94	0.189	53.5	76.8
	230.0	256.1	354.0	1.594	291.2	1129	16.35	0.220	56.3	79.4
18.66 OZ-FT	**230.0**	**251.1**	**347.5**	**1.689**	**315.1**	**1118**	**18.66**	**0.248**	**58.8**	**81.1**
0.25 HP	**230.0**	**250.8**	**347.1**	**1.695**	**316.7**	**1117**	**18.80**	**0.250**	**58.9**	**81.2**
	230.0	250.7	347.0	1.696	317.0	1117	18.83	0.250	58.9	81.3
	230.0	244.3	339.0	1.816	346.1	1104	20.77	0.273	58.8	82.9
	230.0	236.8	330.1	1.950	377.8	1089	22.75	0.295	58.2	84.2
1075 RPM	**230.0**	**229.9**	**322.6**	**2.068**	**404.3**	**1075**	**24.79**	**0.317**	**58.5**	**85.0**
	230.0	229.3	322.0	2.078	406.5	1074	24.94	0.319	58.5	85.1
	230.0	220.5	312.7	2.232	439.5	1055	26.35	0.331	56.2	85.6
	230.0	213.1	305.7	2.352	464.6	1040	27.82	0.344	55.3	85.9
	230.0	203.2	296.4	2.517	498.2	1017	29.00	0.351	52.6	86.1
	230.0	193.2	288.0	2.679	529.9	993	30.17	0.357	50.2	86.0
	230.0	183.6	280.6	2.829	558.0	969	30.55	0.352	47.1	85.7
	230.0	175.1	274.5	2.959	581.5	945	30.78	0.346	44.4	85.5
BDT OZ-FT	**230.0**	**170.1**	**271.4**	**3.035**	**595.3**	**931**	**30.98**	**0.343**	**43.0**	**85.3**
	230.0	165.4	268.3	3.106	607.5	917	30.68	0.335	41.1	85.0
	230.0	156.2	263.2	3.240	630.3	887	30.31	0.320	37.9	84.6
	230.0	147.4	258.9	3.368	651.2	855	29.86	0.304	34.8	84.1
	230.0	138.9	255.5	3.489	670.1	822	29.08	0.285	31.7	83.5
	230.0	130.4	252.8	3.608	688.2	785	28.02	0.262	28.4	82.9
	230.0	123.3	250.9	3.703	702.2	751	27.12	0.243	25.8	82.4
	230.0	115.5	249.4	3.808	716.8	709	25.75	0.217	22.6	81.8
	230.0	108.3	248.6	3.899	729.1	666	24.31	0.193	19.7	81.3
	230.0	102.3	248.3	3.976	739.1	625	23.07	0.172	17.3	80.8
	230.0	95.2	248.4	4.061	749.6	573	21.18	0.144	14.4	80.3
	230.0	89.4	249.0	4.127	757.5	524	19.78	0.123	12.1	79.8
	230.0	84.2	249.6	4.186	763.9	474	18.18	0.103	10.0	79.3
	230.0	79.0	250.8	4.240	769.8	419	16.69	0.083	8.1	78.9
	230.0	73.8	252.3	4.289	775.1	357	15.19	0.065	6.2	78.6
	230.0	70.0	254.2	4.322	778.9	297	14.12	0.050	4.8	78.4
	230.0	67.2	255.5	4.350	781.6	234	13.01	0.036	3.5	78.1
	230.0	64.8	257.7	4.372	784.1	167	11.53	0.023	2.2	78.0
	230.0	62.8	260.4	4.385	786.5	98	10.72	0.013	1.2	78.0

Performance Data

4M060BG	REV. -



DRAWING NO.	PAGE 8 of 16	REV.
	4M060BG	-

4M060BG	REV. -

Dayton Manufacturing Company

Motor Description

Model:	K055HXJWN2310	4M060BG
Motor ID:	1 of 1	
Poles:	6	
Volts:	208-230	
Frequency:	60	
HP:	1/4	
Speed:	1075	
Phase:	1	
Protector:	7AM036-A5	

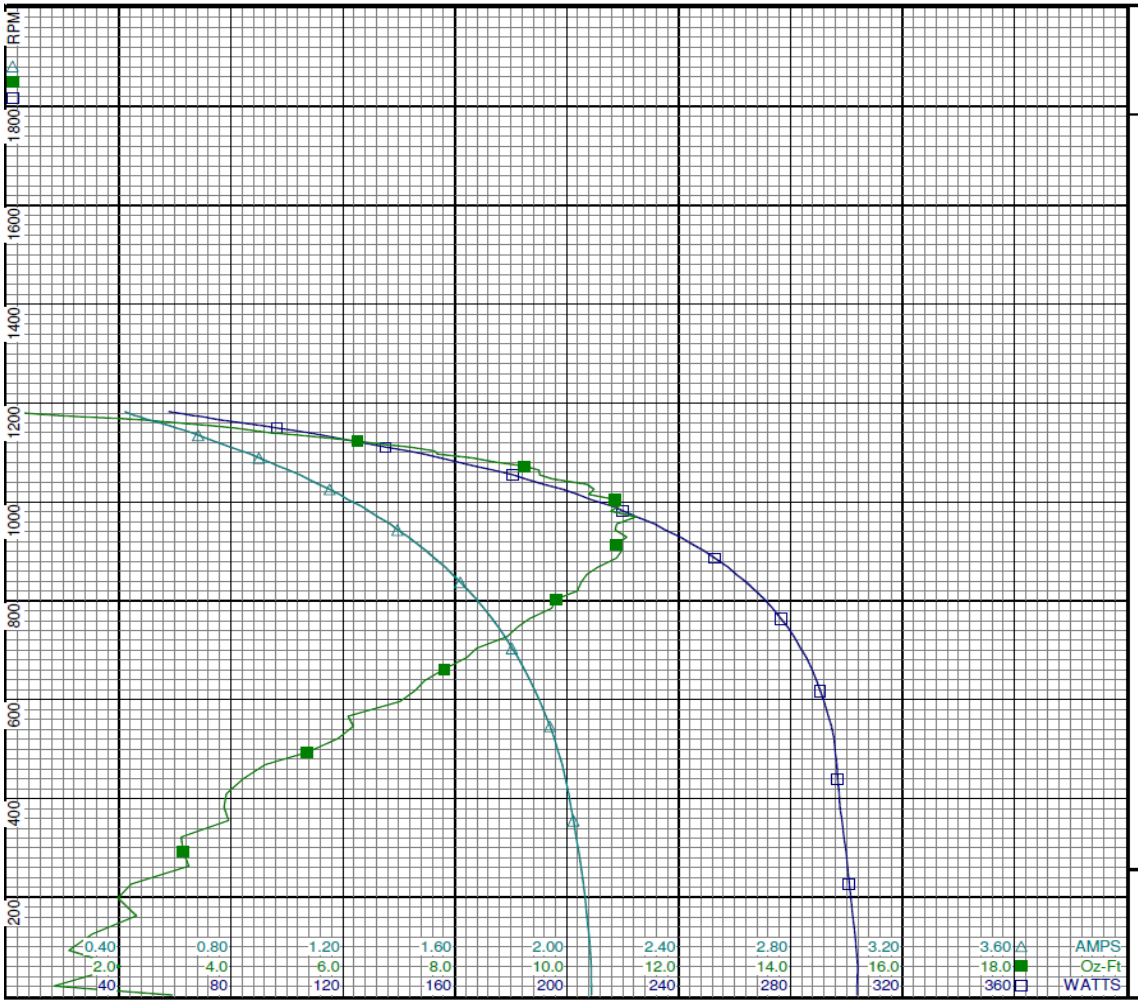
Test Conditions

Test Type:	Start	Run Cap:	5 µFd
Test Number:	13	Start Cap:	0µfd
Poles:	6	Environment:	24.5 Deg C 29 % RH 969 hPa
Volts:	208	Tested:	1/28/2016 4:07:17 PM
Hz:	60	Tested By:	Navarro, Susana
Rotation:		Gear Ratio:	1:1
Special Cond:		Bearing Friction:	-0.57 Oz-Ft
Speed Conn:	M2	Windage Torque:	-2.05 Oz-Ft
TestBoard:	CMD InLine Three Phase #2 Fixture #1		

Special Points PUT OZ-FT	Vline(V)	Vaux(V)	Vcap(V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)
	208.0	**42.1**	**171.4**	**2.088**	**303.7**	**20**	**0.836**	**0.000**	**0.0**	**69.9**
	208.0	42.1	171.4	2.088	303.7	20	0.836	0.000	0.0	69.9
	208.0	42.6	168.9	2.083	303.4	92	1.105	0.001	0.3	70.0
	208.0	43.2	166.2	2.072	302.1	162	2.310	0.004	1.1	70.1
	208.0	44.2	164.5	2.059	300.9	226	2.216	0.006	1.5	70.3
	208.0	45.6	163.4	2.043	299.8	292	3.144	0.011	2.7	70.6
	208.0	47.6	161.6	2.024	298.3	355	3.954	0.017	4.2	70.8
	208.0	49.7	160.6	2.007	297.3	410	3.916	0.019	4.8	71.2
	208.0	52.8	159.9	1.984	296.5	468	4.608	0.026	6.5	71.9
	208.0	56.6	159.0	1.956	295.5	521	5.904	0.037	9.2	72.6
	208.0	60.0	158.5	1.925	293.4	566	6.090	0.041	10.4	73.3
	208.0	64.0	157.7	1.886	290.6	617	7.282	0.054	13.7	74.1
	208.0	68.2	157.4	1.848	287.5	662	7.814	0.062	16.0	74.8
	208.0	72.4	157.3	1.804	283.5	704	8.389	0.070	18.5	75.5
	208.0	77.2	157.6	1.755	278.9	746	9.114	0.081	21.7	76.4
	208.0	82.0	158.3	1.703	273.5	785	9.730	0.091	24.8	77.2
	208.0	87.2	159.5	1.649	267.5	820	10.189	0.099	27.7	78.0
	208.0	92.6	161.3	1.591	260.6	853	10.357	0.105	30.1	78.7
	208.0	98.3	163.6	1.527	252.9	886	10.884	0.115	33.9	79.6
	208.0	103.7	166.3	1.468	245.0	914	10.888	0.118	36.1	80.2
	208.0	110.1	170.0	1.395	235.0	943	10.861	0.122	38.7	81.0
	208.0	116.1	174.0	1.325	225.0	969	11.236	0.130	43.0	81.6
	208.0	121.2	177.7	1.267	216.4	991	10.931	0.129	44.4	82.1
	208.0	127.9	183.2	1.188	203.9	1015	10.390	0.126	45.9	82.5
	208.0	133.9	188.6	1.113	191.7	1035	10.363	0.128	49.7	82.8
	208.0	139.5	193.8	1.047	180.9	1054	9.517	0.119	49.2	83.0
	208.0	145.6	200.2	0.969	167.0	1072	9.247	0.118	52.7	82.9
	208.0	151.3	206.3	0.900	154.7	1089	8.301	0.108	51.9	82.6
	208.0	156.3	211.9	0.837	143.2	1103	7.631	0.100	52.2	82.2
	208.0	161.6	218.4	0.769	129.7	1117	6.693	0.089	51.2	81.1
	208.0	166.4	224.3	0.710	118.0	1129	5.766	0.077	49.0	80.0
	208.0	170.3	229.5	0.658	107.5	1140	4.678	0.063	44.0	78.6
	208.0	173.8	234.7	0.605	96.5	1149	4.077	0.056	43.1	76.6
	208.0	176.8	240.3	0.552	85.4	1158	3.171	0.044	38.2	74.3
	208.0	178.7	245.4	0.507	76.5	1165	2.483	0.034	33.6	72.5
	208.0	180.4	250.6	0.473	69.9	1172	1.288	0.018	19.2	71.0
	208.0	182.3	256.0	0.441	63.1	1178	0.500	0.007	8.3	68.8
	208.0	184.3	259.9	0.420	57.8	1182	0.000	0.000	0.0	66.1

Performance Data

4M060BG	REV. -



Dayton

Curve Descriptions:

Motor(1) Test 13 Start 208V 60 Hz 6P
M2

- □ SPEED vs WATTS
- ■ SPEED vs TORQUE
- △ SPEED vs ILine

Motor Ratings:

(1) K055HXJWN2310 4M060BG

DRAWING NO.	PAGE 10 of 16	REV.
4M060BG		-

4M060BG	REV. -

Dayton Manufacturing Company

Motor Description

Model:	K055HXJWN2310	4M060BG
Motor ID:	1 of 1	
Poles:	6	
Volts:	208-230	
Frequency:	60	
HP:	1/4	
Speed:	1075	
Phase:	1	
Protector:	7AM036-A5	

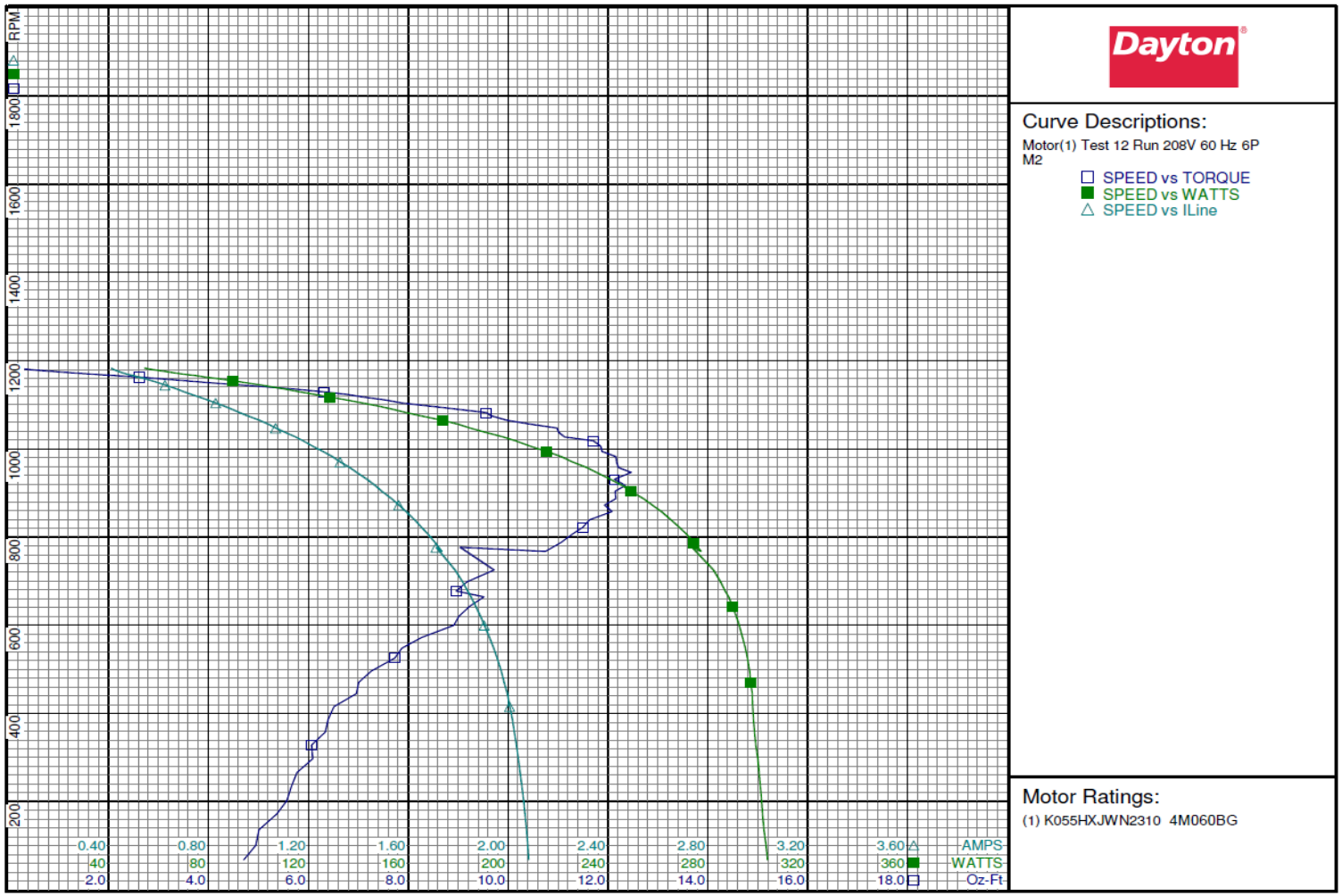
Test Conditions

Test Type:	Run		Run Cap:	5 µFd	
Test Number:	12		Start Cap:	0µfd	
Poles:	6		Environment:	24.5 Deg C	29 % RH 969 hPa
Volts:	208		Tested:	1/28/2016 4:06:01 PM	
Hz:	60		Tested By:	Navarro, Susana	
Rotation:			Gear Ratio:	1:1	
Special Cond:			Bearing Friction:	-0.56 Oz-Ft	
Speed Conn:	M2		Windage Torque:	-1.45 Oz-Ft	
TestBoard:	CMD InLine Three Phase #2	Fixture #1			

Special Points	Vline(V)	Vaux(V)	Vcap(V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)
	208.0	185.5	262.2	0.410	54.4	1183	0.000	0.000	0.0	63.7
	208.0	183.4	258.5	0.428	59.5	1178	0.580	0.008	10.2	66.9
	208.0	181.3	253.7	0.451	65.3	1173	1.170	0.016	18.7	69.5
	208.0	178.9	246.2	0.501	75.1	1166	2.140	0.030	29.5	72.1
	208.0	176.9	240.4	0.549	84.7	1158	3.089	0.043	37.5	74.1
	208.0	174.3	235.4	0.597	94.7	1150	3.985	0.055	43.0	76.2
	208.0	170.5	229.8	0.652	106.2	1139	5.240	0.071	49.9	78.3
	208.0	166.6	224.5	0.703	116.8	1129	6.326	0.085	54.3	79.8
	208.0	162.1	218.9	0.763	128.7	1117	7.106	0.094	54.8	81.1
	208.0	156.9	212.6	0.829	141.7	1104	7.873	0.103	54.5	82.1
	208.0	151.6	206.5	0.894	153.8	1089	8.998	0.117	56.6	82.7
1075 RPM	**208.0**	**146.8**	**201.5**	**0.954**	**164.6**	**1075**	**9.650**	**0.123**	**56.0**	**82.9**
	208.0	146.7	201.3	0.956	164.9	1075	9.656	0.124	55.9	82.9
	208.0	140.0	194.2	1.041	180.0	1055	10.462	0.131	54.5	83.2
	208.0	134.6	189.2	1.105	190.8	1037	11.009	0.136	53.2	83.0
	208.0	128.6	183.7	1.179	203.0	1018	11.710	0.142	52.1	82.8
	208.0	122.1	178.3	1.258	215.4	994	11.880	0.141	48.7	82.3
	208.0	116.1	173.8	1.328	225.8	970	12.169	0.140	46.4	81.8
BDT OZ-FT	**208.0**	**110.4**	**169.9**	**1.394**	**235.4**	**946**	**12.462**	**0.140**	**44.5**	**81.2**
	208.0	110.4	169.9	1.394	235.4	946	12.462	0.140	44.5	81.2
	208.0	103.9	166.1	1.469	245.8	916	12.342	0.135	40.8	80.5
	208.0	98.2	163.3	1.533	254.2	886	12.157	0.128	37.7	79.7
	208.0	92.9	161.0	1.591	261.3	857	12.080	0.123	35.2	79.0
	208.0	87.1	159.1	1.654	268.5	822	11.495	0.112	31.2	78.1
	208.0	82.2	158.0	1.707	274.4	787	11.057	0.104	28.2	77.3
	208.0	81.4	158.5	1.712	273.6	776	9.038	0.084	22.8	76.8
	208.0	71.5	157.1	1.817	285.1	698	9.175	0.076	20.0	75.4
	208.0	68.1	157.1	1.851	288.3	664	9.517	0.075	19.5	74.9
	208.0	64.1	157.6	1.890	291.4	620	9.012	0.066	17.0	74.1
	208.0	60.2	158.1	1.925	293.9	572	8.266	0.056	14.3	73.4
	208.0	56.8	159.0	1.955	295.8	525	7.731	0.048	12.2	72.7
	208.0	53.2	159.7	1.984	297.1	470	7.008	0.039	9.9	72.0
	208.0	49.9	160.4	2.007	297.9	415	6.510	0.032	8.1	71.4
	208.0	47.3	161.4	2.025	298.7	357	6.338	0.027	6.7	70.9
	208.0	45.7	163.0	2.041	300.0	297	6.087	0.022	5.4	70.7
	208.0	44.1	164.3	2.055	301.0	234	5.658	0.016	3.9	70.4
	208.0	43.1	165.7	2.067	301.9	172	5.367	0.011	2.7	70.2
	208.0	42.5	168.3	2.079	303.3	100	4.945	0.006	1.5	70.1

Performance Data

4M060BG	REV. -



Dayton

Curve Descriptions:

Motor(1) Test 12 Run 208V 60 Hz 6P
M2

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

Motor Ratings:

(1) K055HXJWN2310 4M060BG

DRAWING NO.	PAGE 12 of 16	REV.
4M060BG		-

4M060BG	REV. -

Dayton Manufacturing Company

Motor Description

Model:	K055HXJWN2310	4M060BG
Motor ID:	1 of 1	
Poles:	6	
Volts:	208-230	
Frequency:	60	
HP:	1/4	
Speed:	1075	
Phase:	1	
Protector:	7AM036-A5	

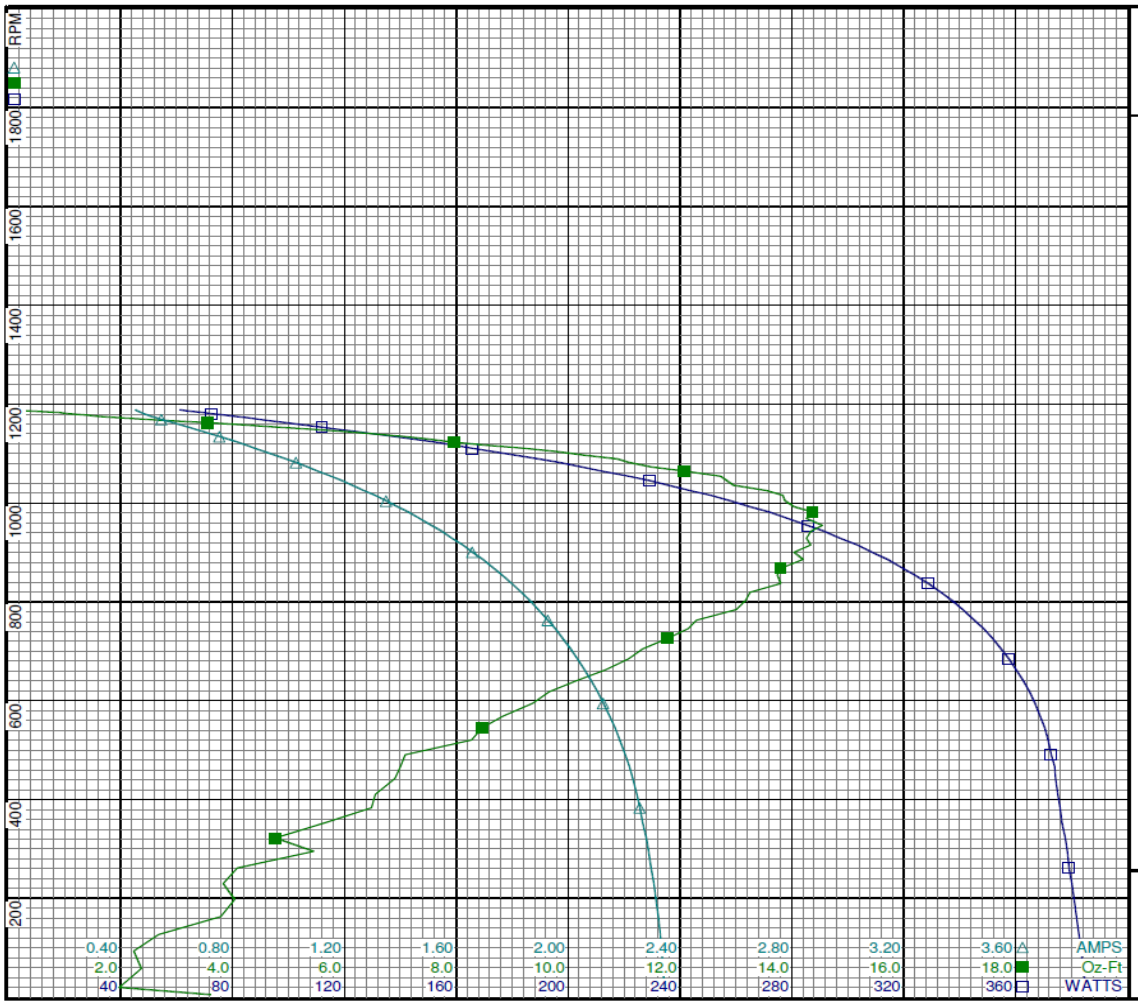
Test Conditions

Test Type:	Start	Run Cap:	5 µFd
Test Number:	16	Start Cap:	0µfd
Poles:	6	Environment:	24.5 Deg C 29 % RH 969 hPa
Volts:	230	Tested:	1/28/2016 4:11:45 PM
Hz:	60	Tested By:	Navarro, Susana
Rotation:		Gear Ratio:	1:1
Special Cond:		Bearing Friction:	-0.55 Oz-Ft
Speed Conn:	M2	Windage Torque:	-1.97 Oz-Ft
TestBoard:	CMD InLine Three Phase #2 Fixture #1		

Special Points PUT OZ-FT	Vline(V)	Vaux(V)	Vcap(V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)
	230.0	**45.7**	**189.2**	**2.343**	**385.1**	**19**	**1.977**	**0.000**	**0.1**	**71.5**
	230.0	45.7	189.2	2.343	385.1	19	1.977	0.000	0.1	71.5
	230.0	46.6	184.4	2.329	382.5	127	2.680	0.004	0.8	71.4
	230.0	48.5	180.9	2.306	380.1	229	3.831	0.010	2.1	71.7
	230.0	50.9	178.7	2.279	377.7	322	4.766	0.018	3.6	72.0
	230.0	55.2	176.3	2.245	375.0	410	6.550	0.032	6.4	72.6
	230.0	60.6	175.1	2.204	372.7	490	7.087	0.041	8.3	73.5
	230.0	67.0	174.0	2.148	368.7	568	8.836	0.060	12.1	74.6
	230.0	74.0	173.2	2.082	362.7	640	10.155	0.077	15.9	75.7
	230.0	81.2	173.2	2.008	354.8	704	11.328	0.095	20.0	76.8
	230.0	88.9	174.1	1.927	345.2	763	12.291	0.112	24.1	77.9
	230.0	97.8	176.2	1.832	333.2	819	13.250	0.129	28.9	79.1
	230.0	106.8	179.5	1.734	319.6	868	13.800	0.143	33.3	80.1
	230.0	116.6	184.3	1.624	303.4	915	14.334	0.156	38.4	81.3
	230.0	126.3	190.5	1.512	285.6	954	14.541	0.165	43.2	82.2
	230.0	136.6	198.1	1.390	265.0	992	14.041	0.166	46.7	82.9
	230.0	146.5	206.5	1.269	243.4	1025	13.542	0.165	50.6	83.4
	230.0	155.9	215.4	1.152	221.6	1054	12.726	0.160	53.7	83.6
	230.0	165.8	225.8	1.028	196.8	1082	11.087	0.143	54.1	83.3
	230.0	174.4	235.9	0.915	173.3	1103	9.812	0.129	55.5	82.3
	230.0	182.2	245.1	0.820	152.8	1122	7.963	0.106	52.0	81.0
	230.0	189.2	254.7	0.723	130.6	1139	6.542	0.089	50.7	78.6
	230.0	194.6	263.0	0.644	112.0	1153	4.823	0.066	44.1	75.7
	230.0	198.4	271.7	0.565	94.0	1166	2.961	0.041	32.6	72.3
	230.0	201.3	279.9	0.508	80.5	1175	1.576	0.022	20.4	68.9
	230.0	204.6	286.7	0.474	69.5	1183	0.897	0.013	13.5	63.8
	230.0	207.5	291.6	0.453	61.1	1188	0.000	0.000	0.0	58.7

Performance Data

4M060BG	REV. -



Dayton

Curve Descriptions:

Motor(1) Test 16 Start 230V 60 Hz 6P
M2

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

Motor Ratings:

(1) K055HXJWN2310 4M060BG

DRAWING NO.	PAGE 14 of 16	REV.
4M060BG		-

4M060BG	REV. -

Dayton Manufacturing Company

Motor Description

Model:	K055HXJWN2310	4M060BG
Motor ID:	1 of 1	
Poles:	6	
Volts:	208-230	
Frequency:	60	
HP:	1/4	
Speed:	1075	
Phase:	1	
Protector:	7AM036-A5	

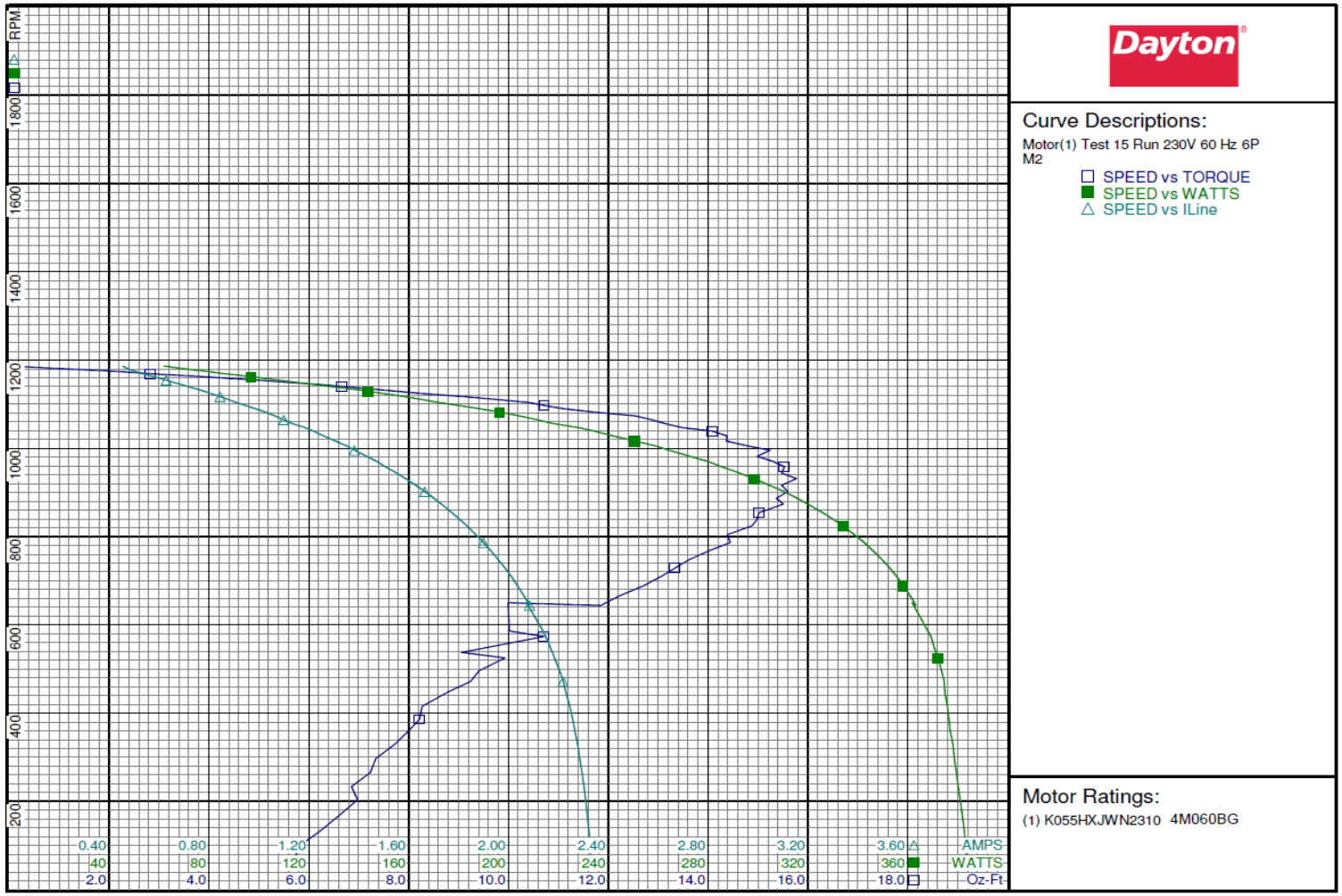
Test Conditions

Test Type:	Run	Run Cap:	5 µFd
Test Number:	15	Start Cap:	0µfd
Poles:	6	Environment:	24.5 Deg C 29 % RH 969 hPa
Volts:	230	Tested:	1/28/2016 4:10:34 PM
Hz:	60	Tested By:	Navarro, Susana
Rotation:		Gear Ratio:	1:1
Special Cond:		Bearing Friction:	-0.59 Oz-Ft
Speed Conn:	M2	Windage Torque:	-2.77 Oz-Ft
TestBoard:	CMD InLine Three Phase #2 Fixture #1		

Special Points	Vline(V)	Vaux(V)	Vcap(V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)
	230.0	206.9	290.6	0.455	62.1	1186	0.000	0.000	0.0	59.3
	230.0	205.8	289.0	0.463	65.0	1183	0.484	0.007	7.8	61.1
	230.0	203.3	284.5	0.482	72.3	1178	1.378	0.019	20.0	65.2
	230.0	200.5	278.6	0.513	81.4	1173	2.371	0.033	30.4	68.9
	230.0	198.2	272.2	0.556	91.7	1165	3.312	0.046	37.4	71.7
	230.0	196.2	266.5	0.605	102.8	1158	4.452	0.061	44.5	73.8
	230.0	193.6	261.2	0.657	115.0	1149	5.570	0.076	49.4	76.1
	230.0	189.9	255.6	0.713	128.2	1140	6.659	0.090	52.6	78.2
	230.0	185.1	249.0	0.779	143.6	1129	7.735	0.104	54.0	80.1
	230.0	180.0	242.5	0.844	158.2	1117	9.090	0.121	57.0	81.5
	230.0	174.8	236.4	0.908	171.9	1104	10.398	0.137	59.3	82.3
	230.0	169.0	229.4	0.986	188.5	1089	11.108	0.144	57.0	83.1
1075 RPM	**230.0**	**163.5**	**223.4**	**1.055**	**202.7**	**1075**	**12.366**	**0.158**	**58.2**	**83.5**
	230.0	162.8	222.7	1.063	204.3	1073	12.536	0.160	58.5	83.5
	230.0	157.6	217.1	1.132	217.8	1056	13.125	0.165	56.5	83.6
	230.0	150.7	210.3	1.218	234.3	1039	14.076	0.174	55.4	83.7
	230.0	143.6	203.8	1.307	250.7	1016	14.368	0.174	51.7	83.4
	230.0	137.3	198.5	1.383	264.4	995	15.241	0.181	50.9	83.1
	230.0	129.9	192.7	1.473	279.9	970	15.302	0.177	47.1	82.6
	230.0	123.4	188.3	1.550	292.4	944	15.467	0.174	44.3	82.0
BDT OZ-FT	**230.0**	**120.1**	**186.2**	**1.588**	**298.5**	**931**	**15.768**	**0.175**	**43.6**	**81.7**
	230.0	116.8	184.2	1.627	304.5	916	15.467	0.169	41.3	81.4
	230.0	110.3	180.8	1.701	315.6	886	15.365	0.162	38.3	80.7
	230.0	103.7	178.0	1.774	325.9	854	15.014	0.153	34.9	79.9
	230.0	98.3	176.1	1.833	334.0	824	14.875	0.146	32.6	79.2
	230.0	92.2	174.4	1.900	342.5	786	14.440	0.135	29.4	78.4
	230.0	86.7	173.5	1.958	349.6	748	13.625	0.121	25.9	77.6
	230.0	81.5	172.9	2.011	355.5	709	13.060	0.110	23.1	76.9
	230.0	76.3	172.8	2.062	361.0	665	12.214	0.097	20.0	76.1
	230.0	74.9	173.1	2.073	361.7	650	9.988	0.077	15.9	75.9
	230.0	67.1	173.7	2.149	369.2	573	10.706	0.073	14.8	74.7
	230.0	63.0	174.5	2.185	372.0	525	9.928	0.062	12.4	74.0
	230.0	58.7	175.4	2.219	374.5	471	9.238	0.052	10.3	73.4
	230.0	55.0	176.3	2.246	375.8	415	8.266	0.041	8.1	72.8
	230.0	52.5	177.2	2.265	376.9	361	8.011	0.034	6.8	72.3
	230.0	50.4	178.8	2.285	378.6	297	7.339	0.026	5.1	72.0
	230.0	48.3	180.7	2.302	380.2	233	6.854	0.019	3.7	71.8
	230.0	46.9	182.3	2.315	381.8	168	6.606	0.013	2.6	71.7
	230.0	46.2	185.2	2.327	383.1	98	5.807	0.007	1.3	71.6

Performance Data

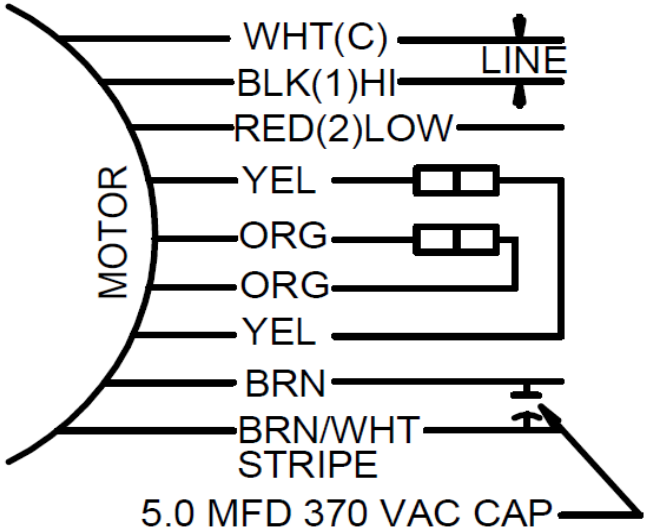
4M060BG	REV. -



DRAWING NO.	PAGE 16 of 16	REV.
4M060BG		-

Wiring Diagram

4M060BG	REV. -



C.CW LEAD END REV
TO REVERSE ROTATION INTERCHANGE
ORG AND YEL LEADS

DRAWING NO.	PAGE 1 of 1	REV.
4M060BG		-

Dayton®

CONDENSER FAN MOTOR

BAR CODE

Part No 4M060BG

HP: 1/4
VOLTS: 208-230
AMPS: 2.0-1.9
RPM: 1075/2 SPD
DUTY: CONT
SF: 1.0
KVA CODE: H
ENCL: TEAO

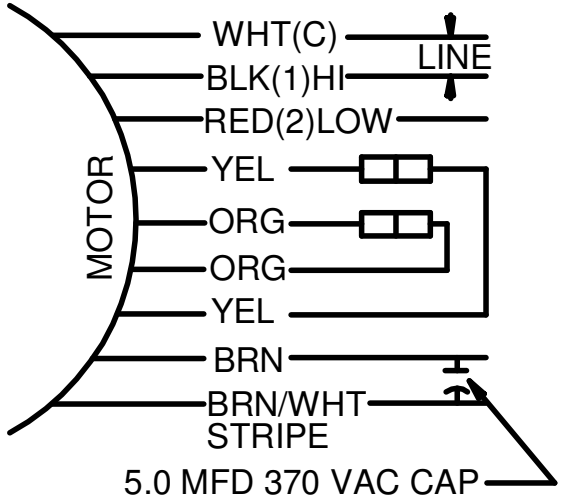
PH: 1
HZ: 60
FR: 48YZ
INS CL: B
AMB: 60 °C
SFA: 2.0-1.9

THERMALLY PROTECTED: AUTO

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

MTR REF: K55HXJWN-2310

Disconnect Power Before Making Any Electrical Connections or Changes



C.CW LEAD END REV
TO REVERSE ROTATION INTERCHANGE
ORG AND YEL LEADS

E37403

258501

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

Made in Mexico