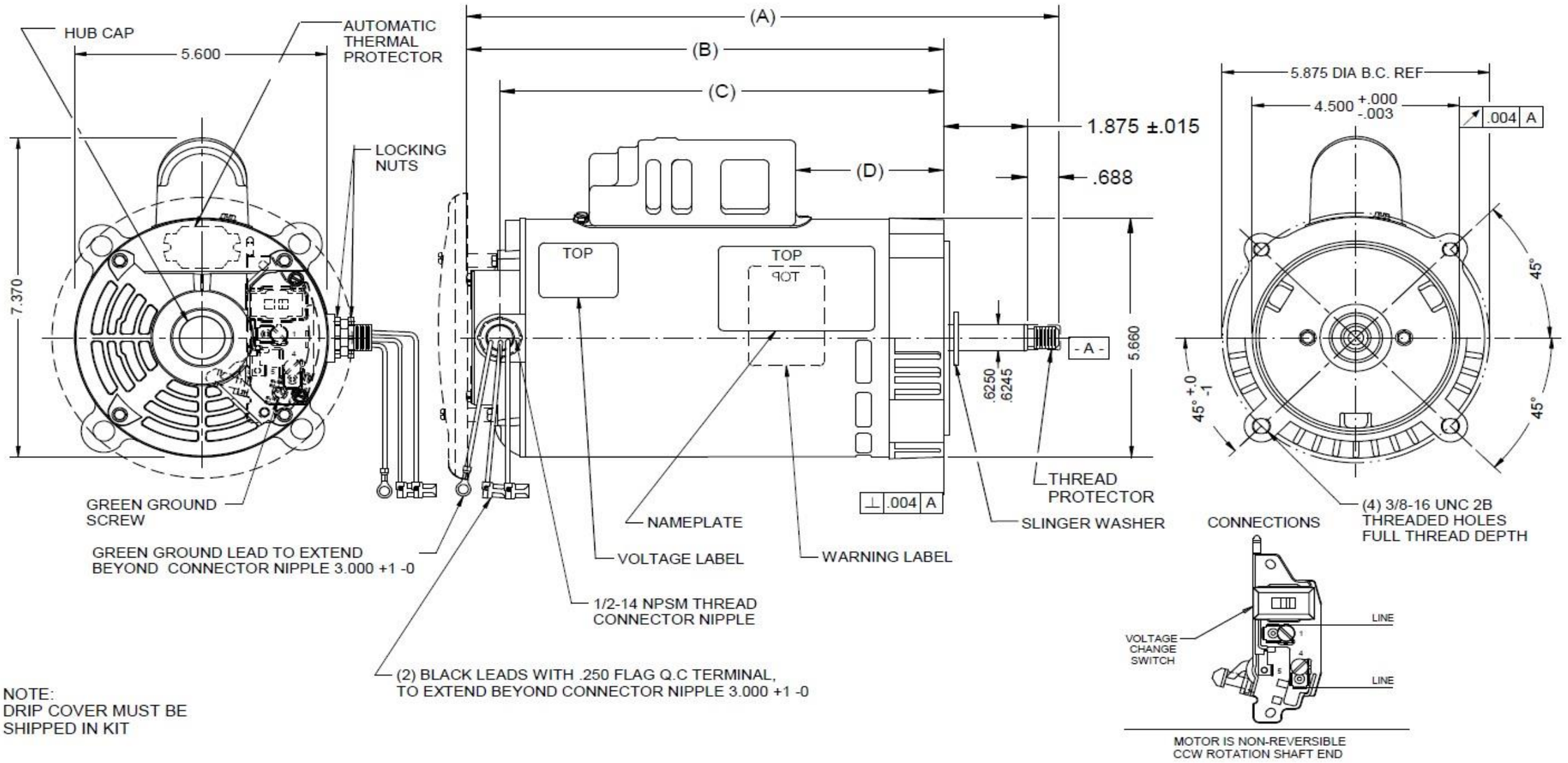
Dimensional Drawing

5K662BG | REV. -

VAR	MODEL	CUST. PT. NO.	A	B	C	D	HP	VOLTS	SF	AMPS	HZ	RPM	CONN VOLTS	PROT.	DESCRIPTION / REMARKS
001	C55CXKDL-2172	5K662BG	12.423	9.860	9.130	3.31	1.0	115/230	1.40	13.4/6.7	60	3450	230	AUTO	56J, ODP, BALL BEARING



DRAWING NO.	PAGE 1 of 1	REV.
5K662BG		-

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

Performance Data

5K662BG	REV. -

MOTOR PERFORMANCE

HP:	1							
Poles:	2							
No. of Speeds:	1							
Volts:	115/230	**115**	**230**					
HZ:	60	**60**	**60**					
Service Factor:	1.4							
Efficiency:	@ Rated Load	68.5	69.0					
Power Factor:	@ Rated Load	72.9	72.4					
Amps:	@ No Load							
	@ Rated Load	13.1	6.6					
	@ Service Factor	15.91	8					
	@ Locked Rotor	83.4	43.3					
RPM:	@ Rated Load	3522	3528					
Ambient (°C):	40							
Altitude (FASL)**:**								
Torques:	Breakdown	78.6	80.9					
	Locked Rotor	38.9	37.5					
	Pull-Up	37.3	37.1					
	Rated Load	23.9	23.8					
	Service Factor	33.67	33.6					
Watts:	Rated Load	1092	1085					
KVA Code:	L	L	L					
Temperature Rise:	@ Rated Load	NP	NP					
	@ Service Factor	68.8	62.9					
Thermal Protector:	Trip Temp (°C)	146.2	167.5					
Winding Material:	Start (Auxiliary)	Al	Al					
	Run (Main)	Cu	Cu					
Capacitor(s):	Start (MFD / Volts)	198mf 110v						
	No. of Start Capacitors							
	Run (MFD / Volts)	N/A						
	No. of Run Capacitors							
LOW SPEED PERFORMANCE DATA:								
HP:								
Poles:								
Volts:								
HZ:								
Efficiency:	@ Rated Load							
Power Factor:	@ Rated Load							
Amps:	@ No Load							
	@ Rated Load							
	@ Service Factor							
	@ Locked Rotor							
Torques:	Bead Down							
	Locked Rotor							
	Pull-Up							
	Rated Load							
	Service Factor							
Watts:	@ Rated Load							
Temperature Rise:	@ Rated Load							
	@ Service Factor							

DRAWING NO.	PAGE 1 of 1	REV.
5K662BG		-

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

Performance Data

5K662BG	REV. -

Dayton Manufacturing Company

Motor Description

Model:	C055CXKDL217201	5K662BG
Motor ID:	1 of 2	
Poles:	2	
Volts:	115/230	
Frequency:	60	
HP:	1	
Speed:	3450	
Phase:	1	
Protector:	CEJ52CX	

Test Conditions

Test Type:	Start	Run Cap:	0
Test Number:	2	Start Cap:	198 µFd
Poles:	2	Environment:	
Volts:	115	Tested:	3/30/2004 10:19:56 PM
Hz:	60	Tested By:	Crocker, Jason
Rotation:		Gear Ratio:	1:1
Special Cond:		Bearing Friction:	-0.26 Oz-Ft
Speed Conn:		Windage Torque:	-2.16 Oz-Ft
TestBoard:	Amtps Performance	Fixture #3	

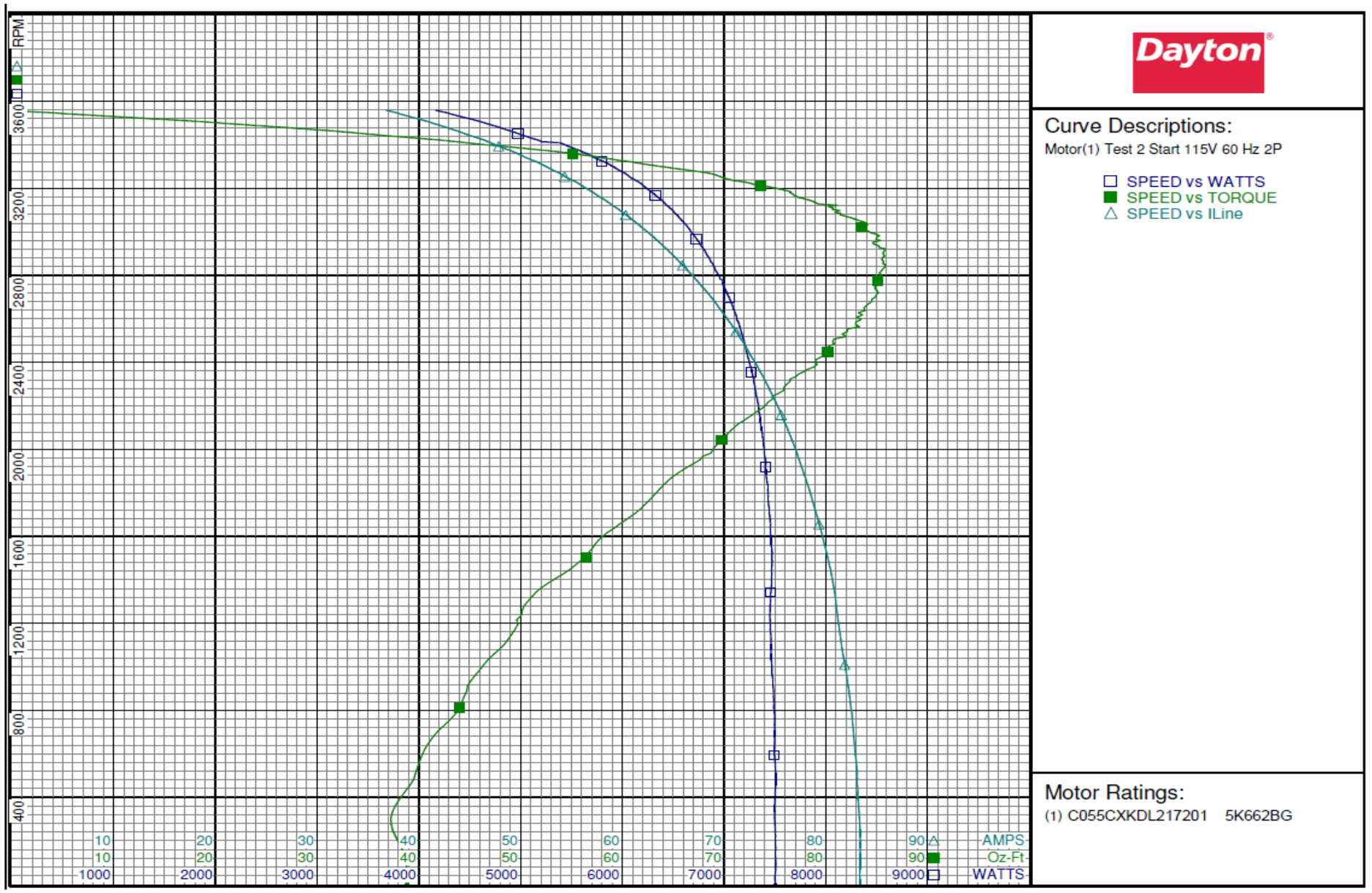
Special Points	Vline(V)	Vaux(V)	Vcap(V)	Iline(A)	Imain(A)	Iaux(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)	Cap
	115.0	99.7	102.3	83.41	81.40	8.317	7505	2	38.94	0.001	0.0	78.2	215.7
	115.0	100.2	101.8	83.35	81.29	8.279	7503	50	38.92	0.023	0.2	78.3	215.7
PUT OZ-FT	**115.0**	**102.1**	**99.1**	**83.28**	**81.05**	**8.042**	**7496**	**305**	**37.25**	**0.135**	**1.3**	**78.3**	**215.3**
	115.0	102.1	99.1	83.28	81.05	8.042	7496	305	37.25	0.135	1.3	78.3	215.3
	115.0	104.9	96.3	82.91	80.39	7.816	7494	594	40.32	0.285	2.8	78.6	215.4
	115.0	107.6	94.0	82.34	79.57	7.611	7485	862	44.43	0.456	4.5	79.0	214.8
	115.0	110.2	91.0	81.53	78.56	7.364	7459	1103	48.40	0.636	6.4	79.6	214.7
	115.0	114.2	88.6	80.91	77.58	7.158	7455	1322	51.12	0.805	8.1	80.1	214.2
	115.0	118.8	88.0	80.07	76.32	7.109	7471	1524	56.67	1.028	10.3	81.1	214.3
	115.0	122.7	86.6	79.02	74.93	6.990	7442	1708	61.34	1.247	12.5	81.9	214.0
	115.0	127.1	85.5	77.85	73.39	6.877	7410	1886	65.34	1.467	14.8	82.8	213.4
	115.0	132.0	84.5	76.65	71.83	6.811	7384	2043	69.79	1.697	17.1	83.8	213.7
	115.0	137.0	84.3	75.36	70.18	6.779	7342	2187	73.68	1.918	19.5	84.7	213.4
	115.0	142.3	84.4	73.94	68.38	6.789	7289	2322	76.48	2.114	21.6	85.7	213.3
	115.0	147.5	85.0	72.55	66.62	6.839	7229	2437	80.13	2.324	24.0	86.6	213.4
	115.0	153.6	86.4	71.01	64.69	6.949	7160	2552	82.15	2.496	26.0	87.7	213.4
	115.0	160.0	88.6	69.38	62.66	7.117	7083	2658	83.91	2.656	28.0	88.8	213.2
	115.0	166.5	91.2	67.66	60.57	7.328	6988	2756	85.16	2.794	29.8	89.8	213.1
	115.0	173.3	94.6	65.94	58.48	7.610	6895	2846	85.85	2.909	31.5	90.9	213.5
	115.0	180.4	98.7	64.17	56.35	7.954	6786	2928	85.26	2.972	32.7	92.0	213.9
	115.0	187.6	103.4	62.36	54.17	8.362	6671	3002	84.12	3.007	33.6	93.0	214.6
	115.0	194.8	108.7	60.54	52.02	8.822	6547	3071	81.93	2.995	34.1	94.0	215.3
	115.0	202.0	114.5	58.65	49.81	9.331	6408	3134	78.95	2.945	34.3	95.0	216.2
	115.0	209.1	120.4	56.75	47.58	9.872	6264	3191	75.97	2.886	34.4	96.0	217.4
	115.0	216.2	126.7	54.74	45.33	10.447	6098	3244	70.20	2.711	33.2	96.9	218.7
	115.0	223.0	133.0	52.76	43.09	11.043	5931	3292	64.91	2.544	32.0	97.7	220.2
	115.0	229.6	139.3	50.64	40.73	11.654	5737	3338	58.21	2.313	30.1	98.5	221.9
	115.0	235.7	145.6	48.53	38.41	12.261	5535	3380	50.92	2.049	27.6	99.2	223.4
	115.0	241.9	151.6	46.42	36.12	12.890	5170	3421	42.08	1.714	24.7	96.8	225.5
	115.0	247.7	157.8	44.00	33.53	13.529	4924	3459	32.52	1.339	20.3	97.3	227.4
	115.0	253.2	163.5	41.54	30.99	14.168	4674	3496	21.48	0.894	14.3	97.8	229.8
	115.0	258.1	169.2	38.80	28.20	14.798	4381	3533	8.79	0.370	6.3	98.2	232.0
	115.0	260.7	172.4	36.81	26.25	15.239	4165	3558	0.00	0.000	0.0	98.4	234.5

DRAWING NO.	PAGE 1 of 8	REV.
5K662BG		-

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

Performance Data

5K662BG	REV. -



DRAWING NO. 5K662BG	PAGE 2 of 8	REV. -

Performance Data

5K662BG	REV. -

Dayton Manufacturing Company

Motor Description

Model:	C055CXKDL217201	5K662BG
Motor ID:	1 of 2	
Poles:	2	
Volts:	115/230	
Frequency:	60	
HP:	1	
Speed:	3450	
Phase:	1	
Protector:	CEJ52CX	

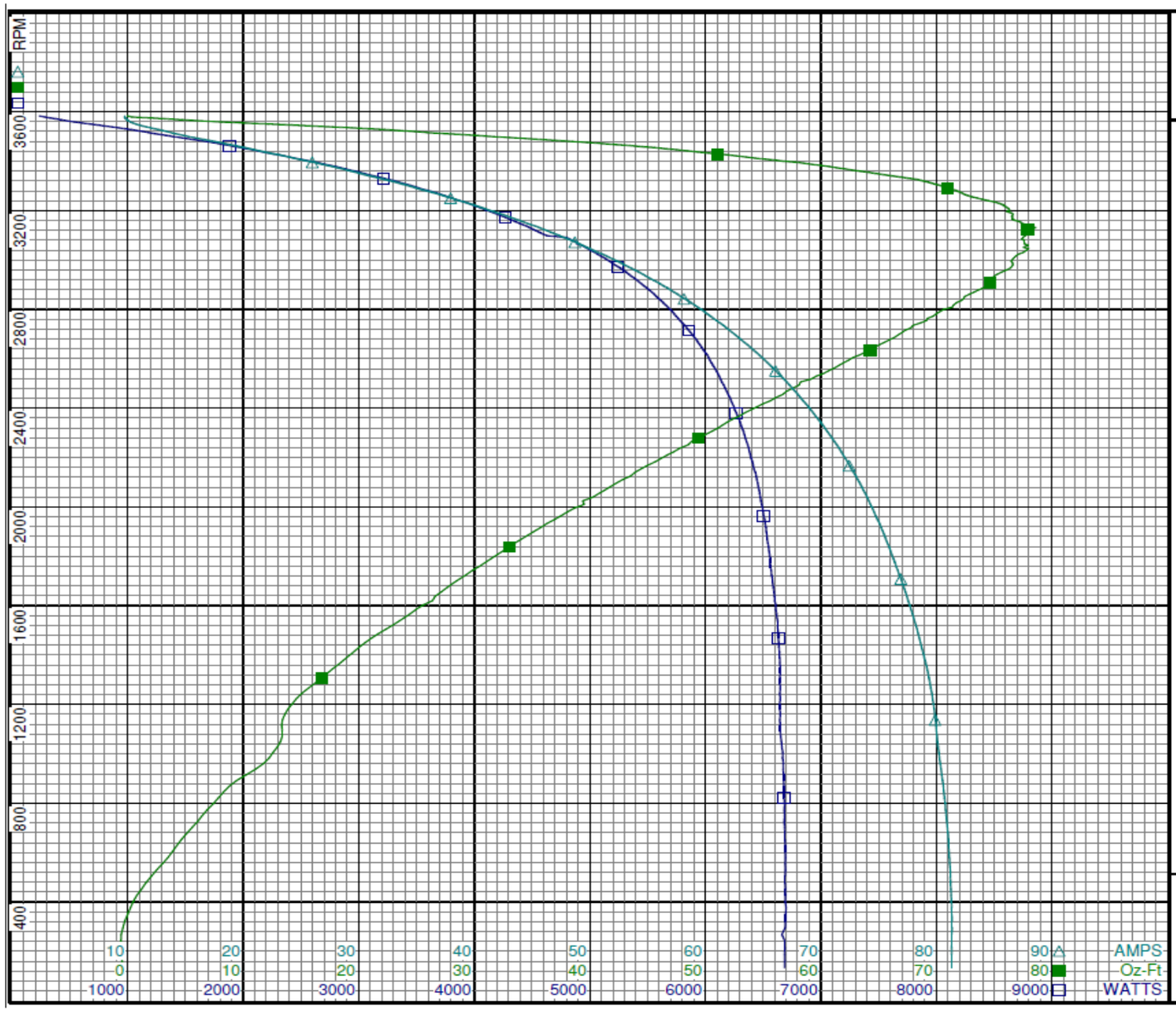
Test Conditions

Test Type:	Run	Run Cap:	0
Test Number:	3	Start Cap:	198 µFd
Poles:	2	Environment:	
Volts:	115	Tested:	3/30/2004 10:19:01 PM
Hz:	60	Tested By:	Crocker, Jason
Rotation:		Gear Ratio:	1:1
Special Cond:		Bearing Friction:	-0.33 Oz-Ft
Speed Conn:		Windage Torque:	-2.58 Oz-Ft
TestBoard:	Amtps Performance	Fixture #3	

Special Points	Vline(V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)
	115.0	9.71	234	3582	0.00	0.000	0.0	21.0
	115.0	11.29	803	3542	16.01	0.675	62.7	61.8
24.35 OZ-FT	**115.0**	**13.25**	**1111**	**3520**	**24.35**	**1.020**	**68.5**	**72.9**
1 HP	**115.0**	**13.11**	**1092**	**3522**	**23.85**	**1.000**	**68.3**	**72.4**
	115.0	14.87	1340	3503	30.31	1.264	70.3	78.4
1.4 HP	**115.0**	**15.91**	**1478**	**3493**	**33.67**	**1.400**	**70.7**	**80.7**
40.18 OZ-FT	**115.0**	**18.12**	**1749**	**3473**	**40.18**	**1.661**	**70.9**	**83.9**
1.65 HP	**115.0**	**18.02**	**1737**	**3474**	**39.89**	**1.650**	**70.8**	**83.8**
	115.0	19.29	1884	3462	43.43	1.790	70.9	84.9
3450 RPM	**115.0**	**20.50**	**2022**	**3450**	**46.42**	**1.907**	**70.3**	**85.7**
	115.0	23.52	2354	3420	52.69	2.145	68.0	87.0
	115.0	27.68	2801	3377	60.71	2.441	65.0	88.0
	115.0	31.74	3213	3330	67.52	2.677	62.2	88.0
	115.0	35.62	3588	3281	71.62	2.798	58.2	87.6
	115.0	39.47	3945	3228	75.40	2.898	54.8	86.9
	115.0	43.18	4269	3171	76.57	2.891	50.5	86.0
BDT OZ-FT	**115.0**	**45.64**	**4480**	**3130**	**78.56**	**2.927**	**48.7**	**85.4**
	115.0	46.68	4566	3110	77.94	2.886	47.2	85.1
	115.0	50.03	4983	3044	77.95	2.825	42.3	86.6
	115.0	53.29	5243	2972	76.50	2.707	38.5	85.5
	115.0	56.39	5470	2893	74.30	2.559	34.9	84.3
	115.0	59.32	5674	2808	71.37	2.386	31.4	83.2
	115.0	62.07	5855	2715	67.28	2.174	27.7	82.0
	115.0	64.64	6014	2615	63.36	1.972	24.5	80.9
	115.0	67.02	6141	2505	58.24	1.737	21.1	79.7
	115.0	69.32	6266	2380	53.39	1.513	18.0	78.6
	115.0	71.36	6367	2250	48.50	1.299	15.2	77.6
	115.0	73.18	6445	2110	42.83	1.076	12.5	76.6
	115.0	74.74	6503	1963	37.48	0.876	10.0	75.7
	115.0	76.13	6554	1805	31.96	0.687	7.8	74.9
	115.0	77.43	6597	1637	26.61	0.519	5.9	74.1
	115.0	78.49	6630	1469	21.14	0.370	4.2	73.4
	115.0	79.52	6647	1265	15.62	0.235	2.6	72.7
	115.0	80.08	6657	1049	13.22	0.165	1.9	72.3
	115.0	80.69	6679	821	7.84	0.077	0.9	72.0
	115.0	81.11	6690	578	3.46	0.024	0.3	71.7
	115.0	81.33	6693	322	-0.25	-0.001	0.0	71.6

Performance Data

5K662BG	REV. -



Dayton

Curve Descriptions:

Motor(1) Test 3 Run 115V 60 Hz 2P

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

Motor Ratings:

(1) C055CXKDL217201 5K662BG

DRAWING NO. 5K662BG	PAGE 4 of 8	REV. -

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

Performance Data

5K662BG	REV. -

Dayton Manufacturing Company

Motor Description

Model:	C055CXKDL217201	5K662BG
Motor ID:	1 of 2	
Poles:	2	
Volts:	115/230	
Frequency:	60	
HP:	1	
Speed:	3450	
Phase:	1	
Protector:	CEJ52CX	

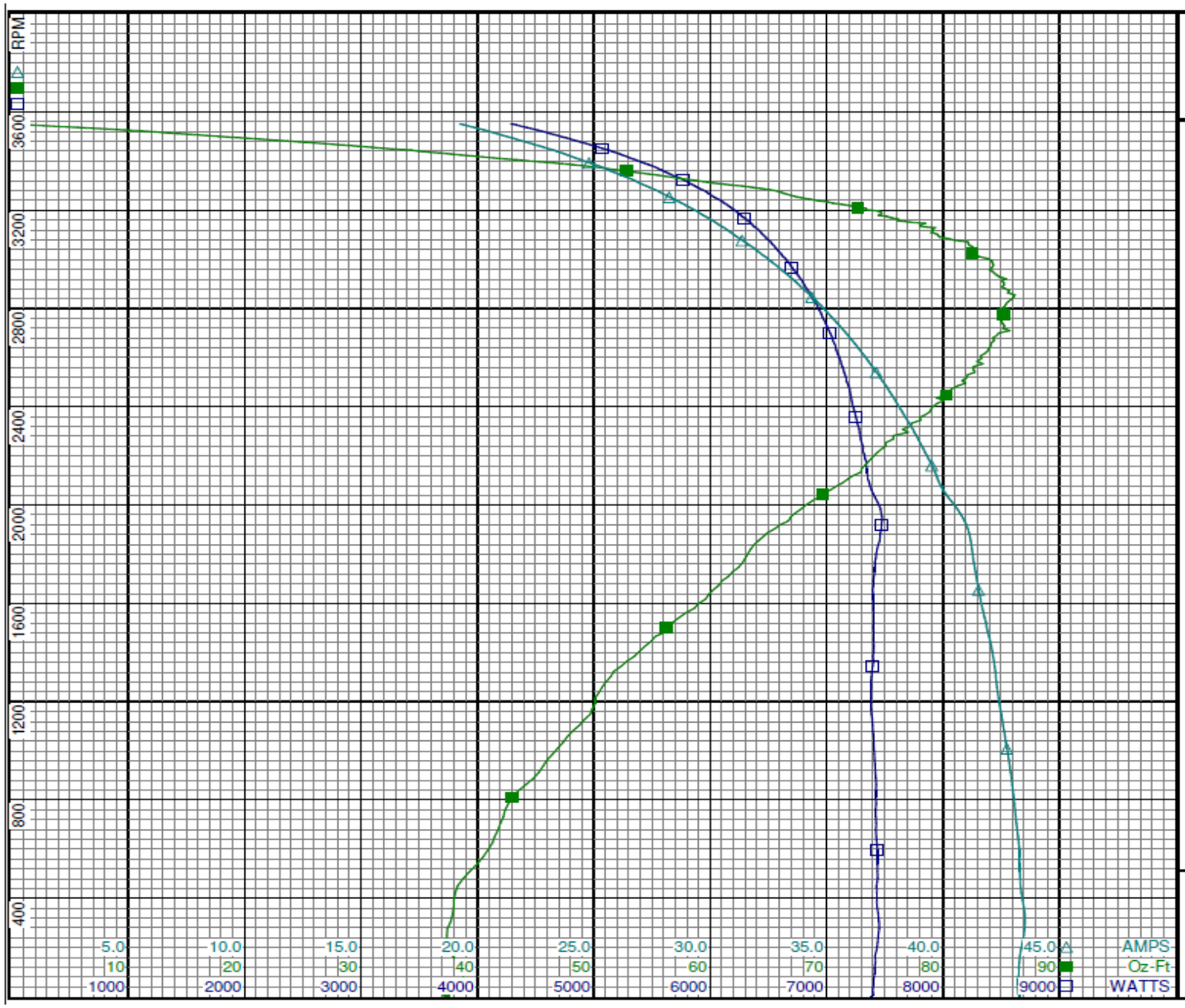
Test Conditions

Test Type:	Start		Run Cap:	0	
Test Number:	6		Start Cap:	198 µFd	
Poles:	2		Environment:		
Volts:	230		Tested:	3/30/2004 9:47:52 PM	
Hz:	60		Tested By:	Crocker, Jason	
Rotation:			Gear Ratio:	1:1	
Special Cond:			Bearing Friction:	-0.22 Oz-Ft	
Speed Conn:			Windage Torque:	-2.67 Oz-Ft	
TestBoard:	Amtps Performance	Fixture #3			

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	199.1	102.4	43.29	40.99	8.461	7390	2	37.47	0.001	0.0	74.2	219.1
PUT OZ-FT	**230.0**	**199.4**	**102.6**	**43.24**	**40.90**	**8.480**	**7398**	**6**	**37.09**	**0.003**	**0.0**	**74.4**	**219.2**
	230.0	200.0	102.6	43.23	40.84	8.478	7405	50	38.47	0.023	0.2	74.5	219.1
	230.0	204.1	100.2	43.53	40.91	8.267	7449	305	37.70	0.137	1.4	74.4	218.9
	230.0	208.1	97.6	43.29	40.38	8.037	7437	596	40.90	0.290	2.9	74.7	218.5
	230.0	211.6	95.1	42.98	39.83	7.815	7426	862	44.16	0.453	4.6	75.1	218.0
	230.0	215.2	91.7	42.58	39.23	7.525	7396	1103	48.74	0.640	6.5	75.5	217.8
	230.0	220.7	88.9	42.25	38.54	7.285	7389	1322	51.70	0.814	8.2	76.0	217.4
	230.0	226.5	87.8	41.84	37.68	7.195	7405	1523	56.82	1.030	10.4	76.9	217.4
	230.0	233.6	86.9	41.43	36.77	7.103	7408	1709	61.57	1.253	12.6	77.7	216.8
	230.0	241.4	91.1	41.12	35.67	7.472	7461	1887	64.90	1.458	14.6	78.9	217.5
	230.0	240.1	90.7	40.12	34.70	7.423	7399	2045	69.70	1.697	17.1	80.2	217.2
	230.0	245.6	88.0	39.37	33.69	7.198	7329	2188	73.81	1.923	19.6	80.9	216.9
	230.0	251.2	87.4	38.62	32.61	7.136	7273	2321	77.18	2.132	21.9	81.9	216.6
	230.0	256.7	87.6	37.88	31.54	7.147	7211	2436	79.44	2.304	23.8	82.8	216.5
	230.0	263.3	88.6	37.06	30.37	7.227	7143	2552	82.60	2.509	26.2	83.8	216.4
	230.0	270.0	90.2	36.19	29.14	7.367	7065	2659	84.15	2.664	28.1	84.9	216.6
	230.0	276.9	92.6	35.30	27.90	7.557	6974	2757	85.00	2.789	29.8	85.9	216.4
	230.0	283.8	95.6	34.37	26.66	7.816	6872	2846	86.07	2.916	31.7	86.9	216.9
	230.0	290.8	99.3	33.43	25.42	8.132	6764	2928	84.85	2.957	32.6	88.0	217.1
	230.0	298.1	103.7	32.47	24.17	8.523	6647	3003	83.78	2.995	33.6	89.0	218.0
	230.0	305.3	108.9	31.48	22.96	8.981	6518	3071	82.10	3.001	34.3	90.0	218.8
	230.0	312.4	114.2	30.49	21.70	9.457	6375	3133	78.14	2.915	34.1	90.9	219.6
	230.0	319.4	120.1	29.50	20.51	9.979	6232	3191	74.66	2.836	34.0	91.8	220.4
	230.0	326.1	125.9	28.47	19.32	10.530	6071	3243	68.61	2.649	32.5	92.7	221.8
	230.0	332.5	131.8	27.39	18.13	11.104	5890	3292	63.60	2.493	31.6	93.5	223.4
	230.0	338.6	137.8	26.31	17.00	11.684	5698	3337	56.15	2.231	29.2	94.2	224.9
	230.0	344.3	143.7	25.18	15.90	12.278	5494	3381	49.00	1.972	26.8	94.9	226.6
	230.0	349.8	149.5	23.99	14.81	12.873	5268	3420	39.52	1.609	22.8	95.5	228.4
	230.0	354.9	155.1	22.71	13.72	13.488	5016	3459	29.88	1.231	18.3	96.0	230.6
	230.0	359.3	160.3	21.38	12.73	14.077	4742	3496	18.89	0.786	12.4	96.5	232.9
	230.0	363.1	165.2	20.01	11.86	14.641	4452	3532	7.04	0.296	5.0	96.8	235.0
	230.0	364.8	167.4	19.24	11.42	14.932	4287	3550	0.00	0.000	0.0	96.9	236.6

Performance Data

5K662BG	REV. -



Dayton

Curve Descriptions:

Motor(1) Test 6 Start 230V 60 Hz 2P

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

Motor Ratings:

(1) C055CXKDL217201 5K662BG

DRAWING NO.	PAGE 6 of 8	REV.
5K662BG		-

Performance Data

5K662BG	REV. -

Dayton Manufacturing Company

Motor Description

Model:	C055CXKDL217201	5K662BG
Motor ID:	1 of 2	
Poles:	2	
Volts:	115/230	
Frequency:	60	
HP:	1	
Speed:	3450	
Phase:	1	
Protector:	CEJ52CX	

Test Conditions

Test Type:	Run	Run Cap:	0
Test Number:	7	Start Cap:	198 µFd
Poles:	2	Environment:	
Volts:	230	Tested:	3/30/2004 9:35:35 PM
Hz:	60	Tested By:	Crocker, Jason
Rotation:		Gear Ratio:	1:1
Special Cond:		Bearing Friction:	-0.31 Oz-Ft
Speed Conn:		Windage Torque:	-2.25 Oz-Ft
TestBoard:	Amtps Performance	Fixture #3	

Special Points	Vline(V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)
	230.0	4.87	216	3586	0.00	0.000	0.0	19.2
	230.0	5.76	824	3545	16.54	0.698	63.2	62.2
24.35 OZ-FT	**230.0**	**6.63**	**1105**	**3527**	**24.35**	**1.022**	**69.0**	**72.4**
1 HP	**230.0**	**6.57**	**1085**	**3528**	**23.81**	**1.000**	**68.7**	**71.8**
	230.0	7.67	1388	3507	31.68	1.323	71.1	78.7
1.4 HP	**230.0**	**7.97**	**1463**	**3501**	**33.59**	**1.400**	**71.4**	**79.9**
40.18 OZ-FT	**230.0**	**9.09**	**1737**	**3480**	**40.18**	**1.664**	**71.5**	**83.0**
1.65 HP	**230.0**	**9.04**	**1724**	**3481**	**39.82**	**1.650**	**71.4**	**82.9**
	230.0	9.78	1898	3467	43.74	1.805	70.9	84.4
3450 RPM	**230.0**	**10.68**	**2102**	**3450**	**48.14**	**1.977**	**70.2**	**85.6**
	230.0	12.02	2405	3425	53.88	2.197	68.1	87.0
	230.0	14.22	2865	3381	62.26	2.506	65.3	87.6
	230.0	16.34	3291	3335	69.25	2.750	62.3	87.6
	230.0	18.40	3684	3286	73.52	2.876	58.2	87.0
	230.0	20.37	4045	3234	78.02	3.004	55.4	86.4
	230.0	22.27	4375	3178	79.09	2.992	51.0	85.4
	230.0	24.13	4689	3116	80.21	2.976	47.3	84.5
BDT OZ-FT	**230.0**	**25.35**	**4884**	**3072**	**80.92**	**2.959**	**45.2**	**83.8**
	230.0	25.88	4963	3050	80.60	2.927	44.0	83.4
	230.0	27.56	5214	2979	80.02	2.838	40.6	82.3
	230.0	29.16	5437	2901	76.55	2.644	36.3	81.1
	230.0	30.66	5627	2817	73.40	2.461	32.6	79.8
	230.0	32.06	5798	2724	69.58	2.257	29.0	78.6
	230.0	33.38	5951	2625	65.32	2.041	25.6	77.5
	230.0	34.61	6076	2514	60.29	1.805	22.2	76.3
	230.0	35.77	6183	2393	55.10	1.570	18.9	75.2
	230.0	36.80	6273	2263	49.70	1.339	15.9	74.1
	230.0	37.69	6338	2127	44.05	1.115	13.1	73.1
	230.0	38.53	6392	1975	38.48	0.905	10.6	72.1
	230.0	39.22	6435	1825	33.43	0.726	8.4	71.3
	230.0	39.86	6470	1654	27.27	0.537	6.2	70.6
	230.0	40.48	6504	1467	21.62	0.378	4.3	69.9
	230.0	40.92	6516	1290	16.29	0.250	2.9	69.2
	230.0	41.24	6516	1075	13.40	0.172	2.0	68.7
	230.0	41.53	6539	848	8.82	0.089	1.0	68.5
	230.0	41.75	6551	605	3.90	0.028	0.3	68.2
	230.0	41.86	6550	349	0.25	0.001	0.0	68.0

DRAWING NO.	PAGE 7 of 8	REV.
	5K662BG	-

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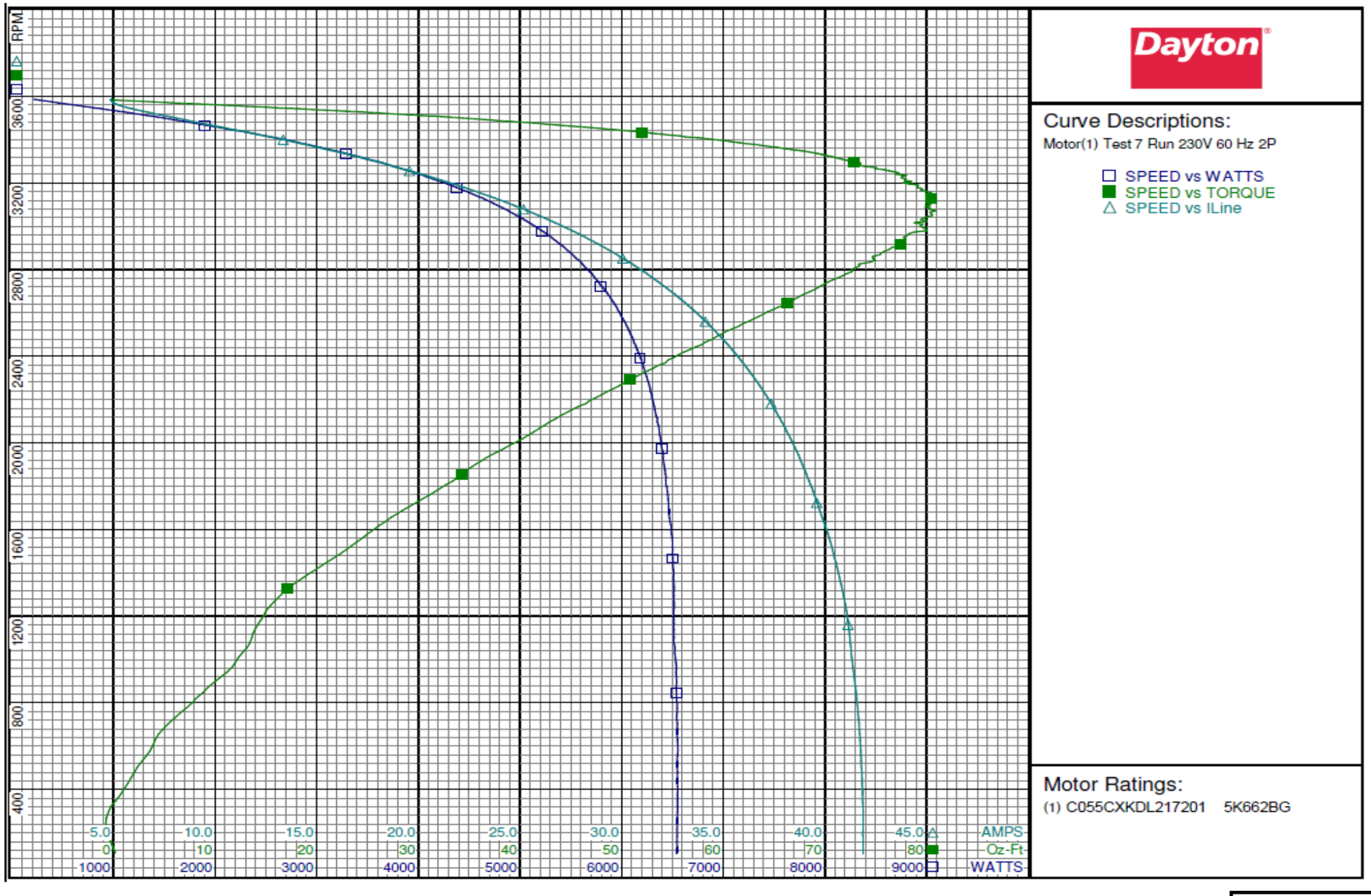
Performance Data

5K662BG	REV. -



Dayton

Curve Descriptions:

Motor(1) Test 7 Run 230V 60 Hz 2P

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

Motor Ratings:

(1) C055CXKDL217201 5K662BG

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5K662BG		-

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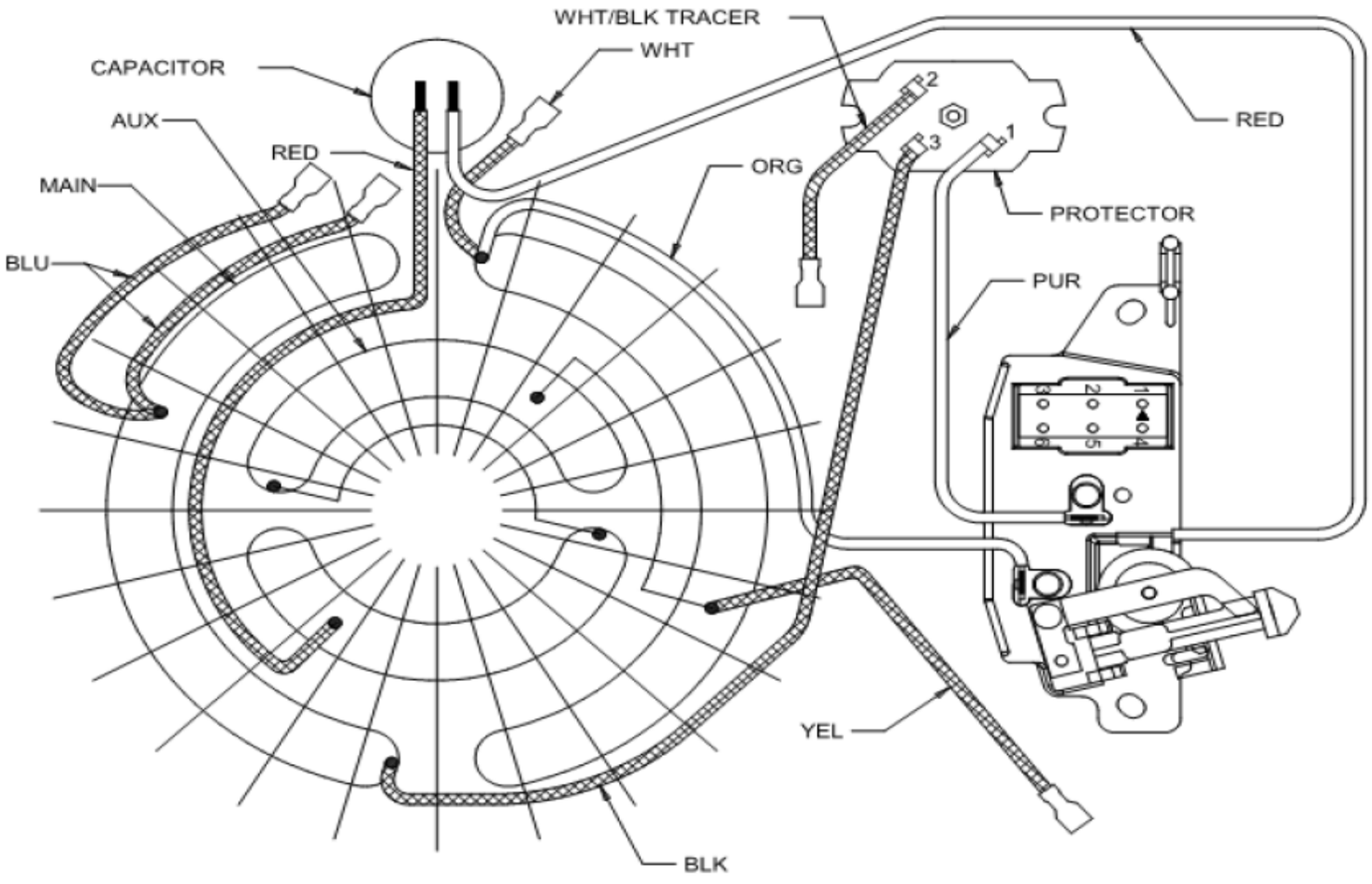
Wiring Diagram

5K662BG	REV. -

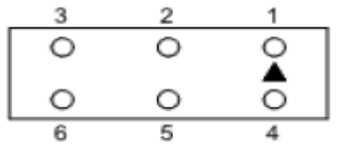


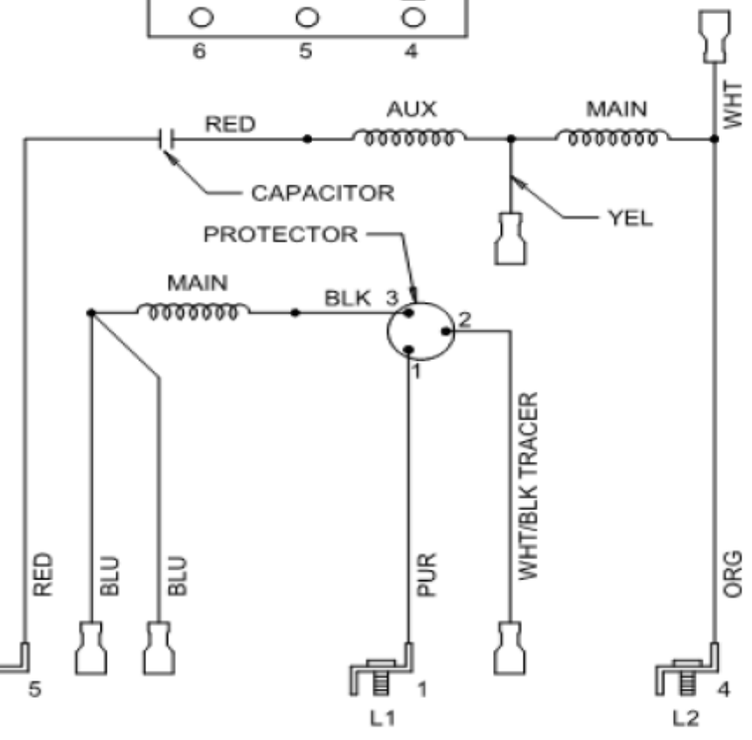
LEAD HOOK-UP FOR STARTING SWITCH

4---ORANGE
1---PURPLE FROM PROTECTOR #1
5---RED FROM CAPACITOR

VOLTAGE CHANGE SWITCH CONNECTIONS

WHT----2 YEL----------5
BLU-----1 WHT/BLK TRACER---4 BLU---6





ROTATION: CW LEAD END

DRAWING NO.	PAGE 1 of 1	REV.
5K662BG		-

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Dayton®

JET PUMP MOTOR

Part No 5K662BG

HP: 1.0
VOLTS: 115/230
AMPS: 13.4/6.7
RPM: 3450
DUTY: CONT
SF: 1.40
KVA CODE: L
ENCL: ODP

PH: 1
HZ: 60
FR: 56J
INS CL: B
AMB: 40 °C
SFA: 18.0/9.0

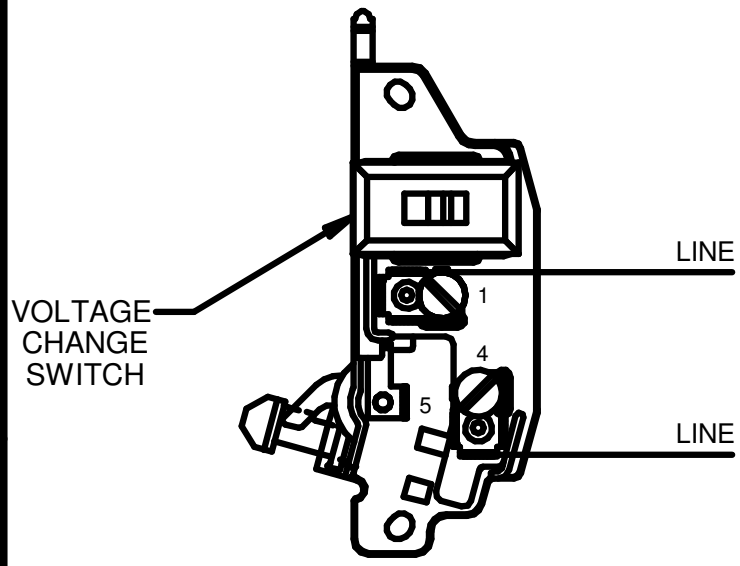
THERMALLY PROTECTED: AUTO

MFG. NO. [ ] [ ] PROT. CODE : [00510] AVG. F.L. EFF.

MTR REF: C55CXKDL-2172

Disconnect Power Before Making Any Electrical Connections or Changes

CONNECTIONS



MOTOR IS NON-REVERSIBLE
CCW ROTATION SHAFT END

E37403

258501

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

Made in Mexico