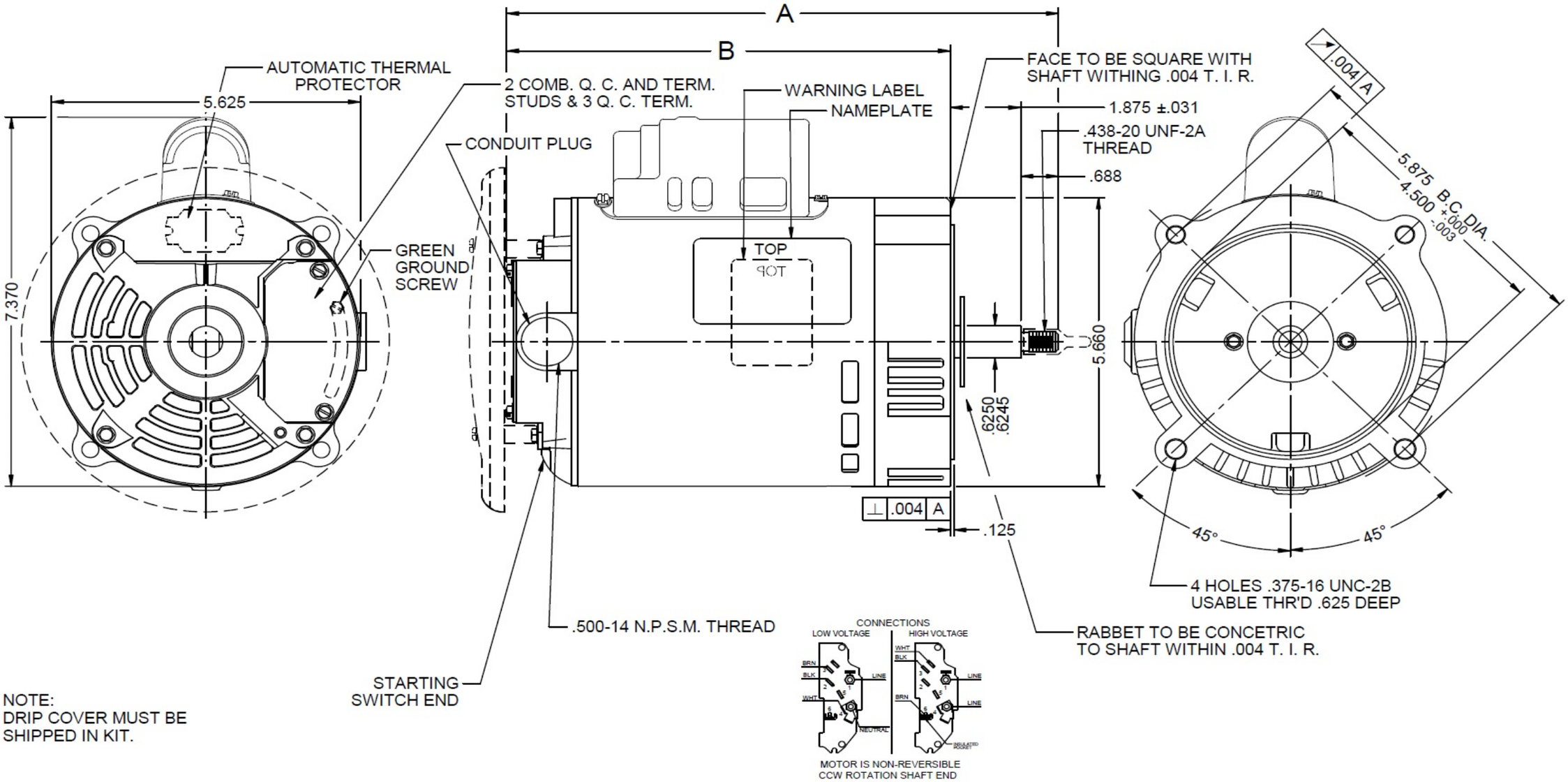
Dimensional Drawing

5K660BG	REV. -

VAR	MODEL	CUSTOMER PN	A	B	C	D	PROTECTOR	HP	VOLTS	AMPS	HZ	RPM	CONN VOLTS	ROTATION	SF	DESCRIPTION / REMARKS
001	C55CXJYN-2176	5K660BG	11.344	8.853	--	--	AUTO	1/2	115/230	9.0/4.5	60	3450	230	CCW DR. END	1.6	56J, ODP



NOTE:
DRIP COVER MUST BE SHIPPED IN KIT.

DRAWING NO.	PAGE 1 of 1	REV.
5K660BG		-

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

Performance Data

5K660BG	REV. -

MOTOR PERFORMANCE

HP:	1/2							
Poles:	2							
No. of Speeds:	1							
Volts:	115/230	**115**	**230**					
HZ:	60	**60**	**60**					
Service Factor:	1.6							
Efficiency:	@ Rated Load	64.6	62.9					
Power Factor:	@ Rated Load	64.5	64.8					
Amps:	@ No Load							
	@ Rated Load	7.9	4					
	@ Service Factor	10.1	5.1					
	@ Locked Rotor	37.8	19.5					
RPM:	@ Rated Load	3513	3501					
Ambient (°C):	40							
Altitude (FASL)**:**								
Torques:	Breakdown	37.7	37.1					
	Locked Rotor	19.4	19.9					
	Pull-Up	19.4	19.9					
	Rated Load	12.2	12.2					
	Service Factor	20.1	20.2					
Watts:	Rated Load	578	602					
KVA Code:	K	K	K					
Temperature Rise:	@ Rated Load	28	30.3					
	@ Service Factor	45.8	49					
Thermal Protector:	Trip Temp (°C)	125.4	166.3					
Winding Material:	Start (Auxiliary)	Al	Al					
	Run (Main)	Cu	Cu					
Capacitor(s):	Start (MFD / Volts)	130.2 mFd, 370v						
	No. of Start Capacitors							
	Run (MFD / Volts)	-						
	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.
5K660BG		-

Performance Data

5K660BG	REV. -

Dayton Manufacturing Company

Motor Description

Model:	C055JYN2176	5K660BG
Motor ID:	1 of 1	
Poles:	2	
Volts:	115/230	
Frequency:	60	
HP:	1/2	
Speed:	3450	
Phase:	1	
Protector:	CEJ65EL	

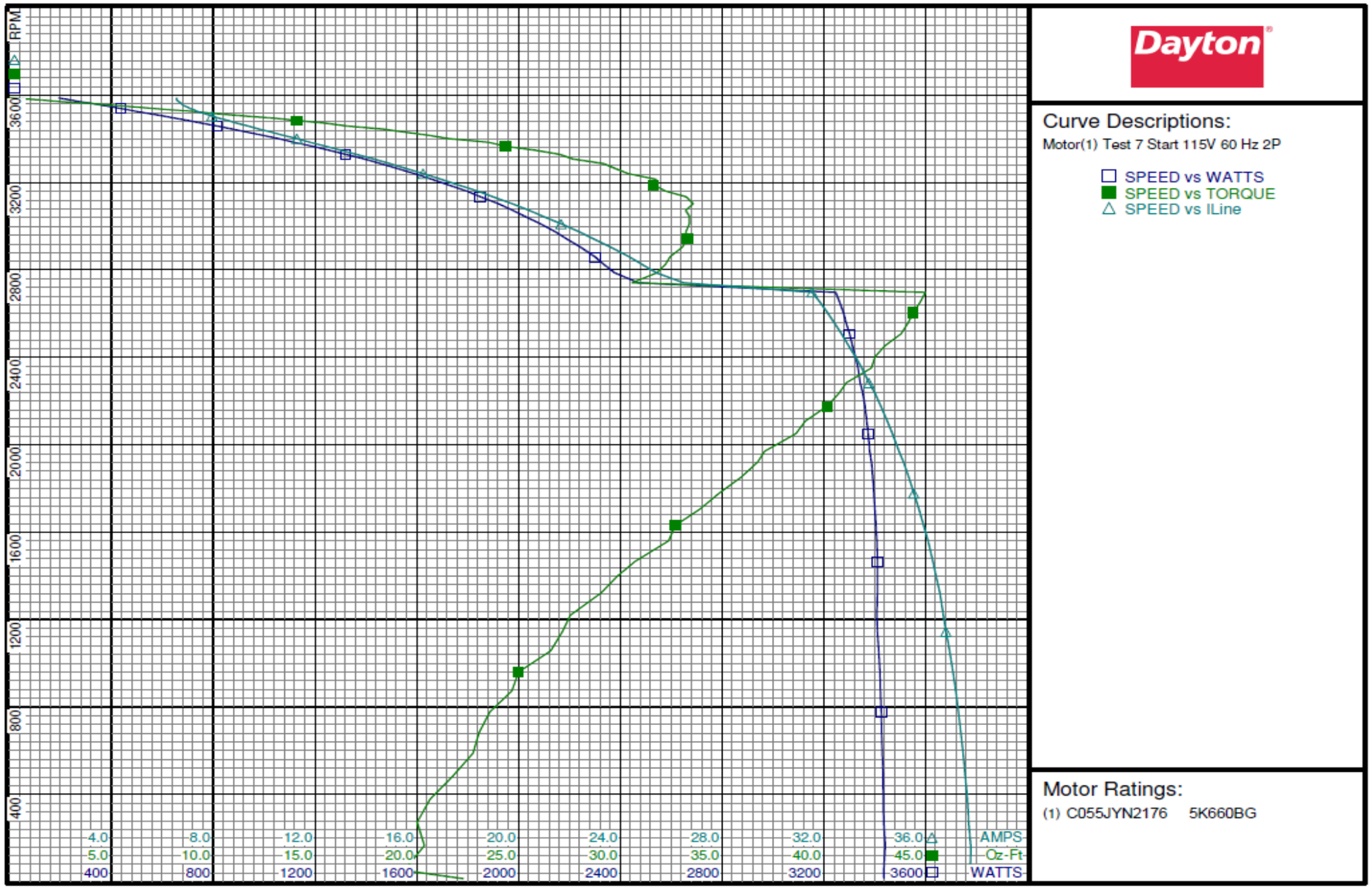
Test Conditions

Test Type:	Start	Run Cap:	0		
Test Number:	7	Start Cap:	130 µfd		
Poles:	2	Environment:	23.7 Deg C	53 % RH	952 hPa
Volts:	115	Tested:	4/29/2016 4:51:26 PM		
Hz:	60	Tested By:	Navarro, Susana		
Rotation:		Gear Ratio:	1:1		
Special Cond:		Bearing Friction:	-0.27 Oz-Ft		
Speed Conn:		Windage Torque:	-1.15 Oz-Ft		
TestBoard:	CMD InLine Three Phase #2 Fixture #1				

Special Points PUT OZ-FT	Vline(V)	Vcap(V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)
	115.0	**2.4**	**37.76**	**3435**	**52**	**19.38**	**0.012**	**0.3**	**79.1**
	115.0	2.4	37.76	3435	52	19.38	0.012	0.3	79.1
	115.0	2.4	37.63	3434	378	20.67	0.093	2.0	79.3
	115.0	2.4	37.38	3427	682	23.06	0.187	4.1	79.7
	115.0	2.3	37.07	3420	960	25.00	0.286	6.2	80.2
	115.0	2.3	36.70	3408	1219	27.55	0.400	8.8	80.7
	115.0	2.3	36.28	3410	1466	30.72	0.536	11.7	81.7
	115.0	2.3	35.73	3400	1705	33.91	0.688	15.1	82.8
	115.0	2.3	35.13	3387	1921	36.75	0.840	18.5	83.8
	115.0	2.2	34.49	3368	2108	39.09	0.981	21.7	84.9
	115.0	2.2	33.77	3343	2283	41.11	1.117	24.9	86.1
	115.0	2.2	32.97	3312	2452	42.99	1.255	28.3	87.3
	115.0	2.2	32.13	3276	2606	44.40	1.377	31.4	88.7
	115.0	2.1	26.48	2471	2741	30.57	0.997	30.1	81.1
	115.0	2.1	24.36	2301	2859	32.44	1.104	35.8	82.1
	115.0	2.1	22.40	2145	2973	33.23	1.176	40.9	83.3
	115.0	2.1	20.41	1977	3072	33.21	1.215	45.8	84.2
	115.0	2.0	18.40	1797	3160	32.21	1.212	50.3	84.9
	115.0	2.0	16.26	1591	3240	30.40	1.173	55.0	85.1
	115.0	2.0	14.31	1395	3307	27.67	1.089	58.3	84.7
	115.0	2.0	12.45	1193	3365	24.39	0.977	61.1	83.3
	115.0	2.0	10.72	991	3417	20.52	0.835	62.8	80.4
	115.0	2.0	9.38	816	3457	16.57	0.682	62.4	75.7
	115.0	1.9	8.23	653	3493	13.08	0.544	62.2	68.9
	115.0	1.9	7.32	489	3527	8.80	0.369	56.4	58.1
	115.0	1.9	6.97	400	3546	6.10	0.258	48.0	50.0
	115.0	1.9	6.73	313	3564	3.61	0.153	36.5	40.5
	115.0	1.9	6.57	242	3577	1.56	0.067	20.5	32.0
	115.0	1.9	6.57	194	3587	0.02	0.001	0.4	25.6

Performance Data

5K660BG	REV. -



DRAWING NO.	PAGE 2 of 8	REV.
	5K660BG	-

Performance Data

5K660BG	REV. -

Dayton Manufacturing Company

Motor Description

Model:	C055JYN2176	5K660BG
Motor ID:	1 of 1	
Poles:	2	
Volts:	115/230	
Frequency:	60	
HP:	1/2	
Speed:	3450	
Phase:	1	
Protector:	CEJ65EL	

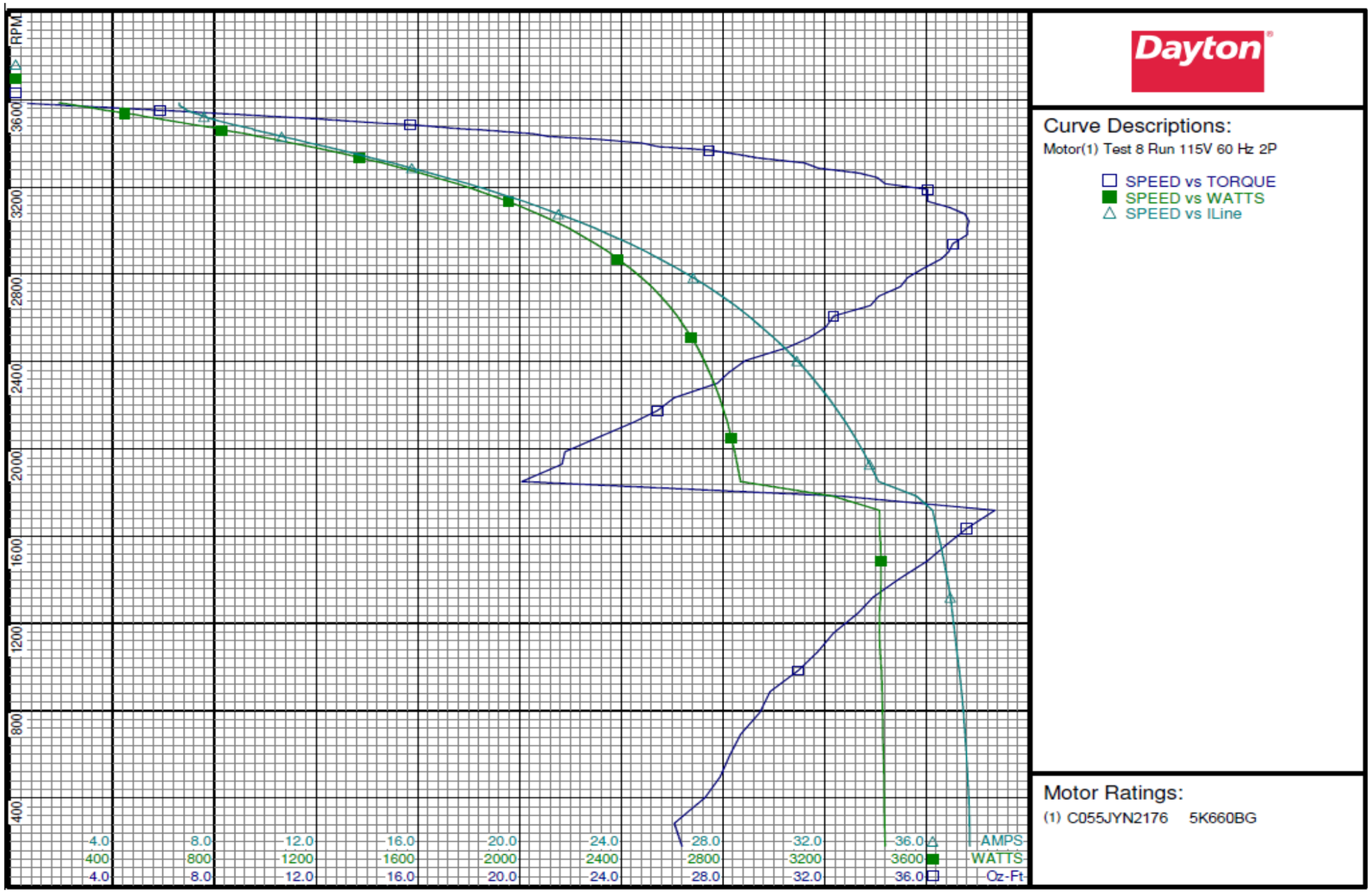
Test Conditions

Test Type:	Run	Run Cap:	0
Test Number:	8	Start Cap:	130 µfd
Poles:	2	Environment:	23.7 Deg C 53 % RH 952 hPa
Volts:	115	Tested:	4/29/2016 4:48:17 PM
Hz:	60	Tested By:	Navarro, Susana
Rotation:		Gear Ratio:	1:1
Special Cond:		Bearing Friction:	-0.31 Oz-Ft
Speed Conn:		Windage Torque:	-1.28 Oz-Ft
TestBoard:	CMD InLine Three Phase #2 Fixture #1		

Special Points	Vline(V)	Vcap(V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)
	115.0	2.2	6.62	189	3586	0.00	0.000	0.0	24.8
	115.0	2.2	6.63	238	3577	1.64	0.070	21.8	31.3
	115.0	2.2	6.80	316	3563	4.04	0.171	40.4	40.5
	115.0	2.2	7.06	410	3545	6.94	0.293	53.4	50.5
	115.0	2.2	7.61	526	3523	10.33	0.433	61.4	60.2
12.17 OZ-FT	**115.0**	**2.2**	**7.91**	**587**	**3511**	**12.17**	**0.509**	**64.6**	**64.5**
0.5 HP	**115.0**	**2.2**	**7.85**	**578**	**3513**	**11.96**	**0.500**	**64.5**	**64.0**
	115.0	2.2	8.52	683	3493	14.51	0.603	65.9	69.7
	115.0	2.2	9.55	831	3461	18.53	0.763	68.5	75.7
20.08 OZ-FT	**115.0**	**2.2**	**10.08**	**903**	**3448**	**20.08**	**0.824**	**68.1**	**77.8**
0.825 HP	**115.0**	**2.2**	**10.09**	**904**	**3447**	**20.10**	**0.825**	**68.1**	**77.9**
	115.0	2.2	11.18	1038	3418	23.15	0.942	67.7	80.7
	115.0	2.2	12.95	1241	3369	27.46	1.101	66.2	83.3
	115.0	2.1	15.01	1461	3310	31.21	1.230	62.8	84.6
	115.0	2.1	17.11	1670	3243	34.08	1.316	58.8	84.9
	115.0	2.1	19.29	1875	3167	36.03	1.358	54.0	84.5
	115.0	2.1	21.54	2074	3076	37.52	1.374	49.4	83.7
BDT OZ-FT	**115.0**	**2.1**	**22.28**	**2136**	**3044**	**37.67**	**1.365**	**47.7**	**83.4**
	115.0	2.1	23.54	2238	2981	37.61	1.334	44.5	82.7
	115.0	2.1	25.50	2386	2871	36.58	1.250	39.1	81.4
	115.0	2.1	27.40	2519	2743	34.98	1.142	33.8	79.9
	115.0	2.1	29.00	2620	2609	32.35	1.005	28.6	78.5
	115.0	2.1	30.40	2699	2465	30.55	0.896	24.8	77.2
	115.0	2.1	31.69	2766	2300	27.78	0.761	20.5	75.9
	115.0	2.1	32.82	2817	2122	24.48	0.618	16.4	74.6
	115.0	2.1	33.78	2856	1929	21.67	0.498	13.0	73.5
	115.0	2.1	36.24	3415	1718	38.70	0.792	17.3	81.9
	115.0	2.1	36.69	3420	1486	36.04	0.637	13.9	81.1
	115.0	2.1	37.02	3416	1247	33.31	0.495	10.8	80.2
	115.0	2.0	37.29	3423	985	30.97	0.363	7.9	79.8
	115.0	2.0	37.52	3429	692	28.70	0.236	5.1	79.5
	115.0	2.0	37.66	3434	402	27.30	0.131	2.8	79.3

Performance Data

5K660BG	REV. -



DRAWING NO.	PAGE 4 of 8	REV.
5K660BG		-

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

Performance Data

5K660BG	REV. -

Dayton Manufacturing Company

Motor Description

Model:	C055JYN2176	5K660BG
Motor ID:	1 of 1	
Poles:	2	
Volts:	115/230	
Frequency:	60	
HP:	1/2	
Speed:	3450	
Phase:	1	
Protector:	CEJ65EL	

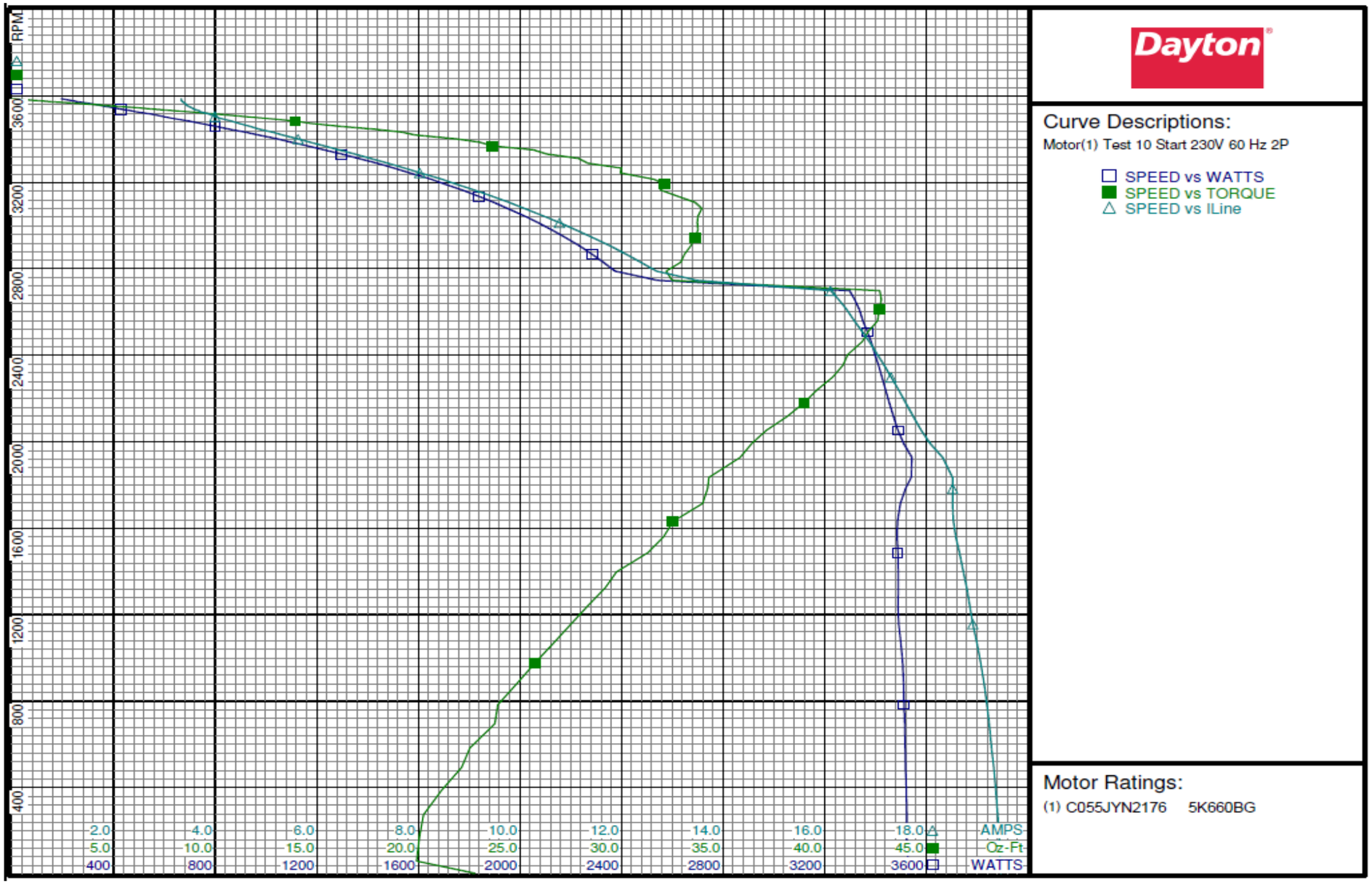
Test Conditions

Test Type:	Start	Run Cap:	0
Test Number:	10	Start Cap:	130 µfd
Poles:	2	Environment:	23.7 Deg C 53 % RH 952 hPa
Volts:	230	Tested:	4/29/2016 5:08:28 PM
Hz:	60	Tested By:	Navarro, Susana
Rotation:		Gear Ratio:	1:1
Special Cond:		Bearing Friction:	-0.28 Oz-Ft
Speed Conn:		Windage Torque:	-1.24 Oz-Ft
TestBoard:	CMD InLine Three Phase #2 Fixture #1		

Special Points PUT OZ-FT	Vline(V)	Vcap(V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)
	230.0	**4.7**	**19.454**	**3529**	**59**	**19.92**	**0.014**	**0.3**	**78.9**
	230.0	4.7	19.454	3529	59	19.92	0.014	0.3	78.9
	230.0	4.7	19.368	3521	386	21.13	0.097	2.1	79.0
	230.0	4.6	19.237	3514	695	23.77	0.197	4.2	79.4
	230.0	4.6	19.069	3506	978	25.76	0.300	6.4	79.9
	230.0	4.6	18.856	3488	1240	28.34	0.418	9.0	80.4
	230.0	4.6	18.652	3488	1486	31.31	0.554	11.8	81.3
	230.0	4.6	18.513	3498	1714	33.99	0.694	14.8	82.1
	230.0	4.6	18.323	3543	1927	35.83	0.822	17.3	84.1
	230.0	4.6	17.747	3471	2116	38.14	0.961	20.7	85.0
	230.0	4.6	17.308	3425	2298	40.39	1.105	24.1	86.0
	230.0	4.6	16.879	3383	2462	41.84	1.226	27.0	87.1
	230.0	4.6	16.429	3336	2612	42.69	1.328	29.7	88.3
	230.0	4.6	13.487	2542	2746	32.49	1.062	31.2	82.0
	230.0	4.6	12.092	2284	2867	33.10	1.130	36.9	82.1
	230.0	4.6	11.101	2126	2979	33.76	1.198	42.0	83.3
	230.0	4.6	10.093	1952	3078	33.95	1.244	47.5	84.1
	230.0	4.6	9.103	1773	3164	31.92	1.202	50.6	84.7
	230.0	4.6	8.033	1566	3244	29.94	1.156	55.1	84.7
	230.0	4.6	7.051	1364	3311	27.88	1.099	60.1	84.1
	230.0	4.6	6.156	1166	3368	23.67	0.949	60.7	82.4
	230.0	4.6	5.324	970	3418	19.85	0.808	62.1	79.2
	230.0	4.5	4.682	801	3459	16.14	0.665	61.9	74.4
	230.0	4.5	4.114	634	3495	12.57	0.523	61.5	67.0
	230.0	4.5	3.696	483	3527	8.58	0.360	55.6	56.8
	230.0	4.5	3.531	397	3546	6.04	0.255	48.0	48.8
	230.0	4.5	3.415	311	3563	3.54	0.150	36.0	39.6
	230.0	4.5	3.342	240	3577	1.35	0.057	17.8	31.3
	230.0	4.5	3.336	195	3586	0.03	0.001	0.4	25.4

Performance Data

5K660BG	REV. -



DRAWING NO.	PAGE 6 of 8	REV.
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Performance Data

5K660BG	REV. -

Dayton Manufacturing Company

Motor Description

Model:	C055JYN2176	5K660BG
Motor ID:	1 of 1	
Poles:	2	
Volts:	115/230	
Frequency:	60	
HP:	1/2	
Speed:	3450	
Phase:	1	
Protector:	CEJ65EL	

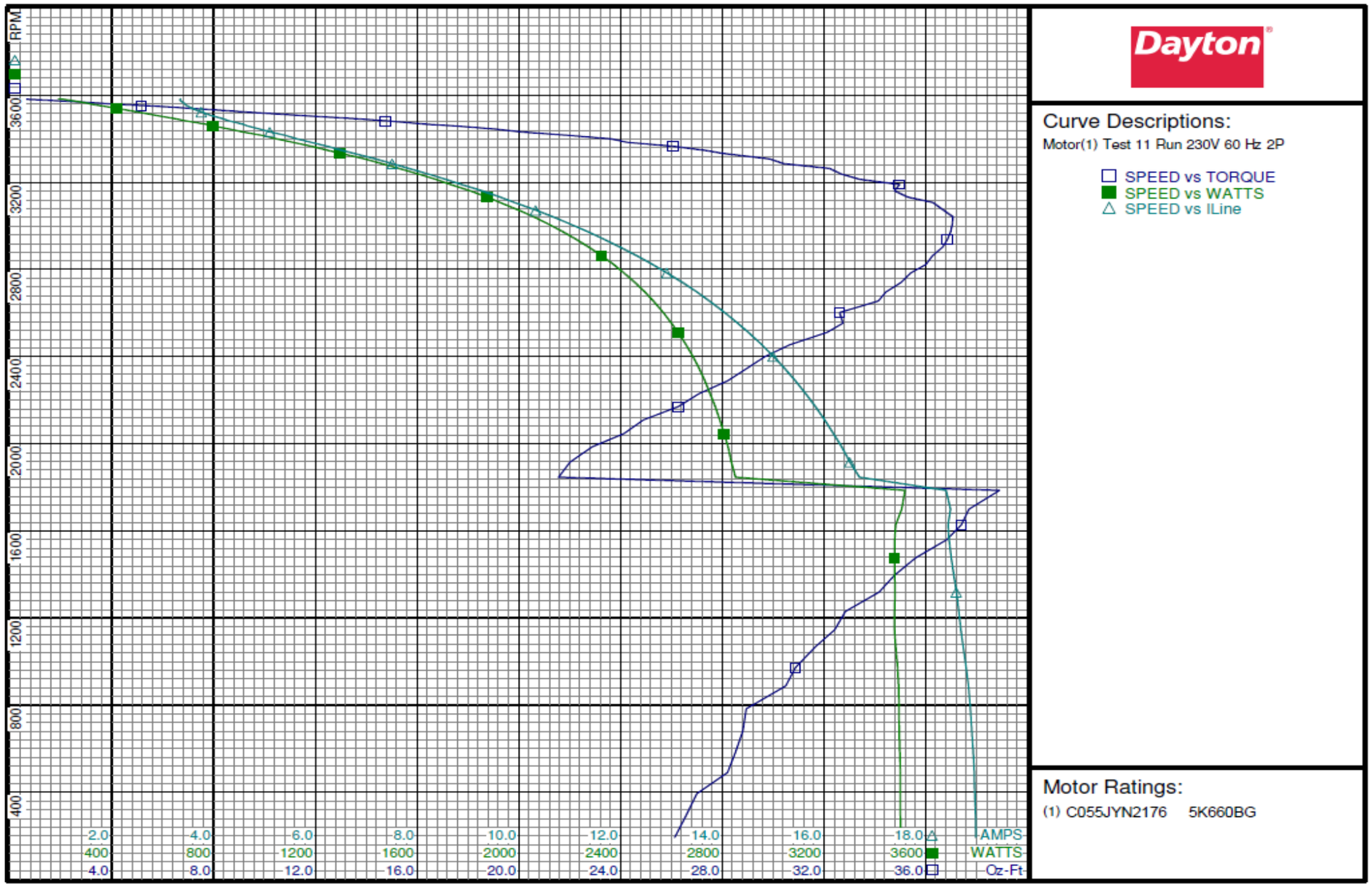
Test Conditions

Test Type:	Run		Run Cap:	0	
Test Number:	11		Start Cap:	130 µfd	
Poles:	2		Environment:	23.7 Deg C	53 % RH 952 hPa
Volts:	230		Tested:	4/29/2016 5:10:16 PM	
Hz:	60		Tested By:	Navarro, Susana	
Rotation:			Gear Ratio:	1:1	
Special Cond:			Bearing Friction:	-0.29 Oz-Ft	
Speed Conn:			Windage Torque:	-1.37 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	2.1	4.1	3.350	190	3584	0.00	0.000	0.0	24.7
	230.0	2.1	4.1	3.346	231	3577	1.39	0.059	19.1	30.1
	230.0	2.1	4.1	3.421	300	3564	3.50	0.148	36.9	38.2
	230.0	2.1	4.1	3.530	389	3546	6.28	0.265	50.9	47.9
	230.0	2.1	4.1	3.764	498	3523	9.14	0.383	57.4	57.5
12.17 OZ-FT	**230.0**	**2.1**	**4.1**	**4.031**	**602**	**3501**	**12.17**	**0.507**	**62.9**	**64.8**
0.5 HP	**230.0**	**2.1**	**4.1**	**4.012**	**595**	**3503**	**11.99**	**0.500**	**62.6**	**64.5**
	230.0	2.1	4.1	4.160	643	3494	13.39	0.557	64.6	67.2
	230.0	2.1	4.1	4.666	797	3458	17.52	0.721	67.5	74.3
20.08 OZ-FT	**230.0**	**2.1**	**4.1**	**5.106**	**914**	**3432**	**20.08**	**0.820**	**67.0**	**77.8**
0.825 HP	**230.0**	**2.1**	**4.1**	**5.126**	**919**	**3430**	**20.20**	**0.825**	**67.0**	**77.9**
	230.0	2.1	4.1	5.415	991	3415	21.96	0.893	67.2	79.6
	230.0	2.1	4.1	6.242	1186	3365	26.08	1.045	65.7	82.6
	230.0	2.1	4.1	7.190	1395	3307	29.86	1.176	62.9	84.3
	230.0	2.1	4.1	8.225	1606	3238	32.68	1.260	58.5	84.9
	230.0	2.1	4.1	9.273	1808	3161	34.77	1.308	54.0	84.8
	230.0	2.2	4.1	10.335	1999	3072	36.69	1.342	50.1	84.1
BDT OZ-FT	**230.0**	**2.2**	**4.1**	**10.672**	**2058**	**3041**	**37.07**	**1.342**	**48.6**	**83.9**
	230.0	2.2	4.1	11.356	2173	2973	36.98	1.309	44.9	83.2
	230.0	2.2	4.1	12.318	2325	2863	36.26	1.236	39.7	82.1
	230.0	2.2	4.1	13.219	2457	2740	35.03	1.143	34.7	80.8
	230.0	2.2	4.1	14.047	2568	2602	32.61	1.010	29.3	79.5
	230.0	2.2	4.1	14.776	2658	2454	30.65	0.895	25.1	78.2
	230.0	2.2	4.1	15.437	2732	2288	28.22	0.769	21.0	76.9
	230.0	2.2	4.1	16.011	2790	2109	24.90	0.625	16.7	75.8
	230.0	2.2	4.1	16.506	2835	1915	22.01	0.502	13.2	74.7
	230.0	2.2	4.1	18.485	3505	1698	37.70	0.762	16.2	82.4
	230.0	2.2	4.1	18.500	3477	1476	35.61	0.626	13.4	81.7
	230.0	2.2	4.1	18.650	3476	1230	32.84	0.481	10.3	81.0
	230.0	2.2	4.1	18.792	3489	972	30.88	0.357	7.6	80.7
	230.0	2.2	4.1	18.905	3496	679	28.81	0.233	5.0	80.4
	230.0	2.2	4.1	18.964	3499	393	27.00	0.126	2.7	80.2

Performance Data

5K660BG	REV. -



Dayton

Curve Descriptions:

Motor(1) Test 11 Run 230V 60 Hz 2P

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

Motor Ratings:

(1) C055JYN2176 5K660BG

DRAWING NO.	PAGE 8 of 8	REV.
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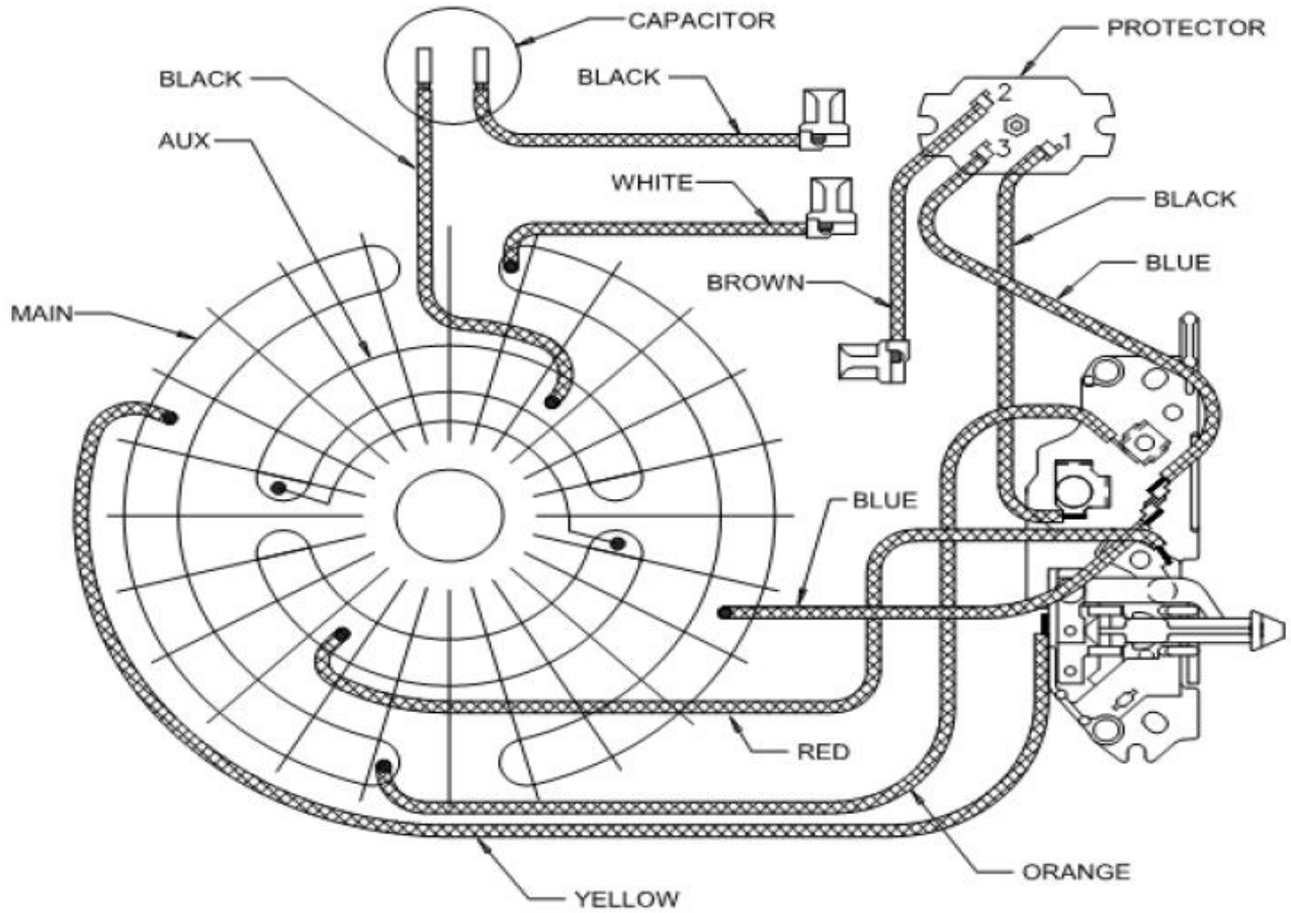
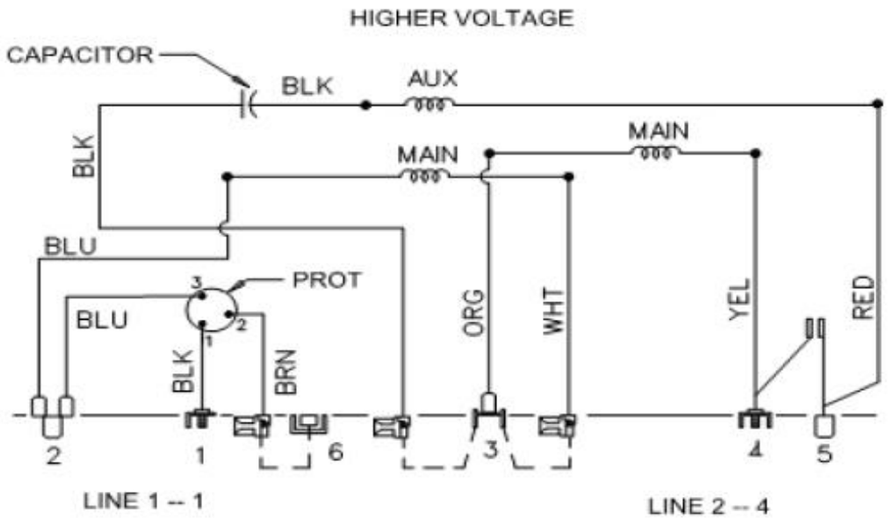
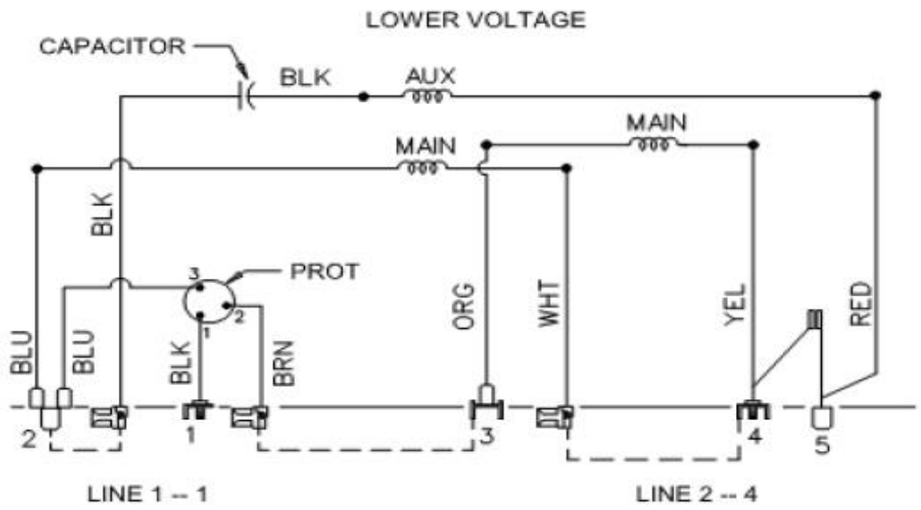
Dayton Electric Mfg. Co. Lake Forest, IL 60045 USA

Wiring Diagram

5K660BG	REV. -







START CAP, 2P, DUAL VOLTAGE,NON REV.,PROT

DRAWING NO.	PAGE 1 of 1	REV.
5K660BG		-

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

Dayton®

JET PUMP MOTOR

Part No 5K660BG

HP: 1/2
VOLTS: 115/230
AMPS: 9.0/4.5
RPM: 3450
DUTY: CONT
SF: 1.6
KVA CODE: L
ENCL: ODP

PH: 1
HZ: 60
FR: 56J
INS CL: B
AMB: 40 ℃
SFA: 11.2/5.6

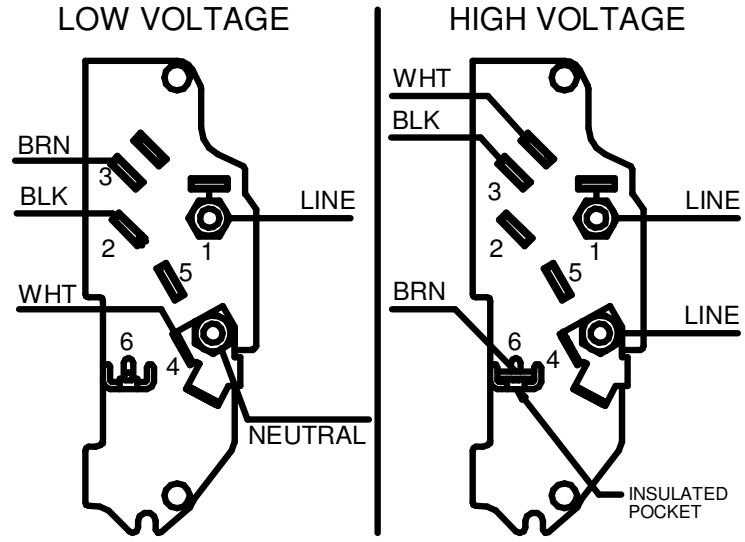
THERMALLY PROTECTED: AUTO

MFG. NO. [ ] [ ] PROT. CODE : [00420] AVG. F.L. EFF.

MTR REF: C55CXJYN-2176

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