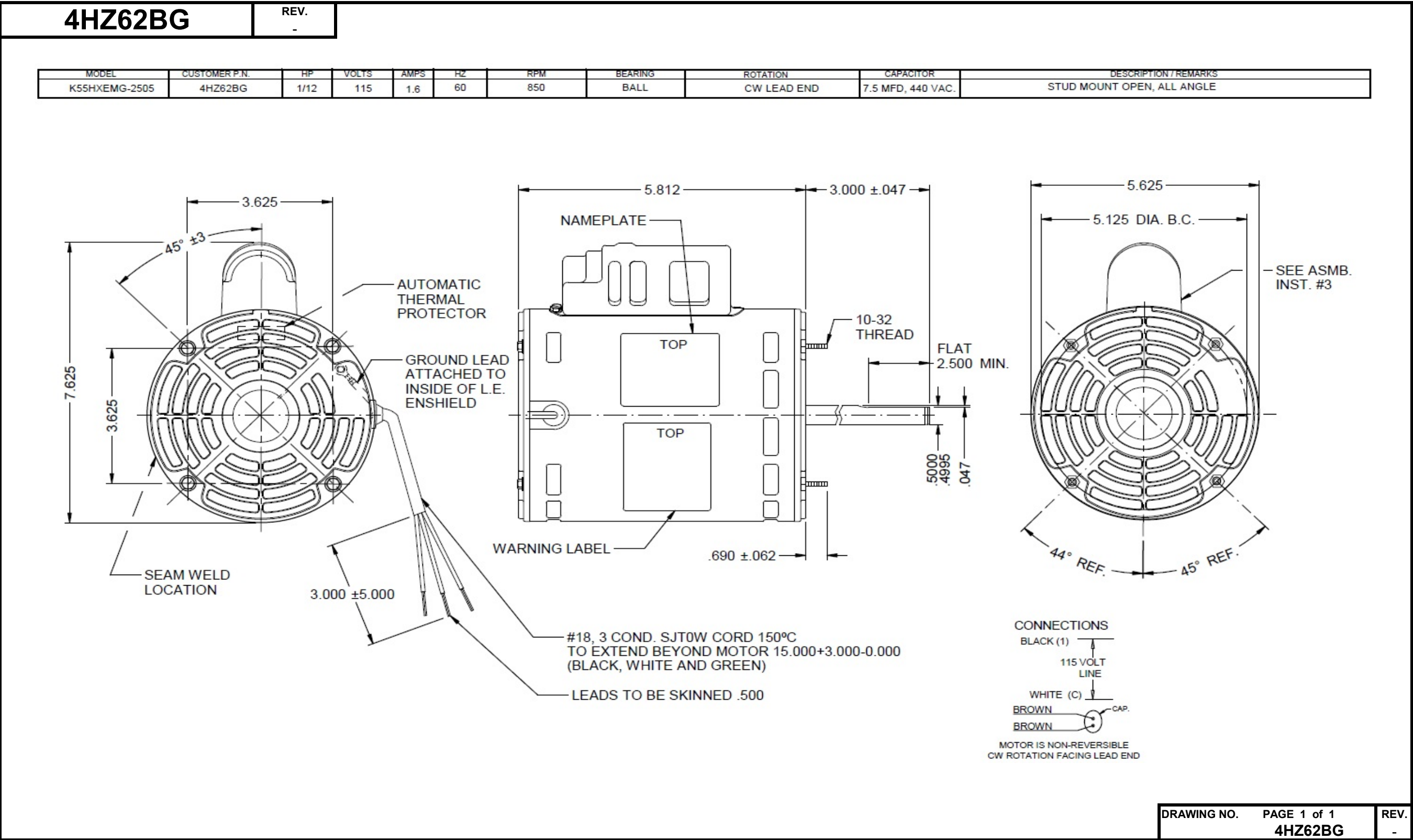


Dimensional Drawing



Performance Data



4HZ62BG

REV.
-

MOTOR PERFORMANCE

HP:	1/12								
Poles:	8								
Ambient (°C)	40								
Altitude (FASL):									
No. of Speeds:	1								
Volts:	115	115							
HZ:	60	60							
Service Factor:	1								
Efficiency:	@ Rated Load								
Power Factor:	@ Rated Load								
Amps:	@ No Load								
	@ Rated Load	1.5							
	@ Service Factor	1.5							
	@ Locked Rotor	3.8							
RPM:	@ Rated Load	858							
Torques:	Breakdown	16							
Oz.Ft. / Lb.In.	Locked Rotor	3.5							
(Circle One)	Pull-Up	3.2							
	Rated Load	8.4							
	Service Factor	8.4							
Watts:	@ Rated Load	128							
KVA Code:									
Temperature Rise:	@ Rated Load	OAO							
	@ Service Factor	N/A							
Thermal Protector:	Trip Temp (°C)	N/A							
Winding Material:	Start (Auxiliary)	CU							
	Run (Main)	CU							
Capacitor(s):	Start (MFD / Volts)	N/A							
	No. of Start Capacitors								
	Run (MFD / Volts)	7.5 / 370							
	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:	Breakdown								
Oz.Ft. / Lb.In.	Locked Rotor								
(Circle One)	Pull-Up								
	Rated Load								
	Service Factor								
Watts:	@ Rated Load								
Temperature Rise:	@ Rated Load								
	@ Service Factor								

DRAWING NO. PAGE 1 of 1
4HZ62BG

REV.
-

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

Performance Data



4HZ62BG

REV.
-

Dayton Manufacturing Company

Motor Description

Model: K055EMG2505 4HZ62BG
Motor ID:
Poles: 8
Volts: 115
Frequency: 60
HP: 1/12
Speed: 850
Phase: 1
Protector: 7AM036

Test Conditions

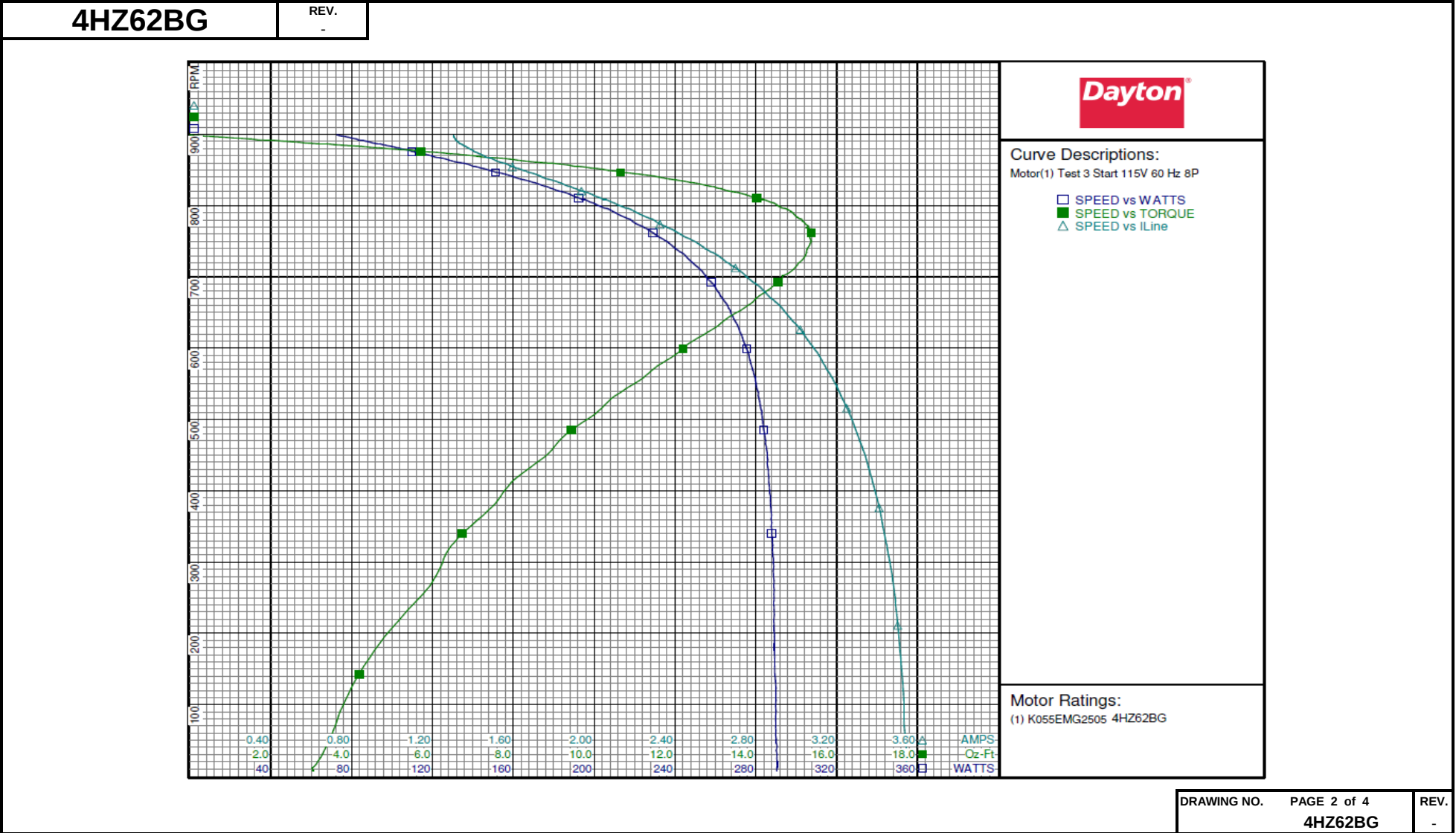
Test Type: Start
Test Number: 3
Poles: 8
Volts: 115
Hz: 60
Rotation:
Special Cond:
Speed Conn:
TestBoard: Amtps Performance Fixture #4
Run Cap: 0
Start Cap: 0µfd
Environment: 21.5 Deg C 53 % RH 1001 hPa
Tested: 6/20/2016 10:39:24 AM
Tested By: Sharp, Gerald
Gear Ratio: 1:1
Bearing Friction: -0.11 Oz-Ft
Windage Torque: -0.44 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Imain (A)	Iaux (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)	Cap
PUT OZ-FT	115.0	36.8	133.8	3.543	3.760	0.394	290.3	7	3.041	0.000	0.1	71.2	7.8
	115.0	37.0	133.5	3.546	3.761	0.393	290.5	20	3.155	0.001	0.2	71.2	7.8
	115.0	37.6	132.0	3.533	3.741	0.388	289.8	77	3.631	0.003	0.9	71.3	7.8
	115.0	39.1	129.9	3.518	3.713	0.382	289.3	165	4.440	0.009	2.3	71.5	7.8
	115.0	41.3	127.9	3.491	3.672	0.376	289.0	245	5.590	0.016	4.2	72.0	7.8
	115.0	43.4	126.7	3.461	3.631	0.372	288.8	304	6.270	0.023	5.9	72.5	7.8
	115.0	45.3	125.6	3.426	3.586	0.369	287.9	355	7.040	0.030	7.7	73.1	7.8
	115.0	48.3	124.5	3.384	3.529	0.366	286.7	407	7.879	0.038	9.9	73.7	7.8
	115.0	51.5	123.6	3.331	3.462	0.363	285.3	457	8.951	0.049	12.7	74.5	7.8
	115.0	55.1	123.1	3.271	3.386	0.362	283.2	504	9.927	0.060	15.7	75.3	7.8
	115.0	59.3	122.9	3.200	3.298	0.361	280.3	547	10.893	0.071	18.9	76.2	7.8
	115.0	63.6	123.1	3.127	3.207	0.361	277.1	583	11.797	0.082	22.0	77.1	7.8
	115.0	68.7	123.8	3.040	3.100	0.363	273.0	618	12.704	0.094	25.6	78.1	7.8
	115.0	74.3	125.2	2.940	2.980	0.368	267.4	652	13.614	0.106	29.5	79.1	7.8
	115.0	80.5	127.4	2.828	2.847	0.374	260.3	683	14.360	0.117	33.5	80.0	7.8
	115.0	86.9	130.5	2.712	2.710	0.383	252.4	710	14.926	0.126	37.3	80.9	7.8
	115.0	93.3	134.3	2.589	2.567	0.394	243.3	734	15.260	0.133	40.9	81.7	7.8
	115.0	99.9	138.9	2.457	2.419	0.408	232.6	755	15.337	0.138	44.2	82.3	7.8
	115.0	106.5	144.1	2.326	2.271	0.423	221.1	774	15.228	0.140	47.3	82.7	7.8
	115.0	113.0	149.9	2.196	2.124	0.440	209.0	792	14.855	0.140	50.0	82.7	7.8
	115.0	119.6	156.1	2.059	1.983	0.459	195.4	808	14.201	0.137	52.2	82.5	7.8
	115.0	125.9	162.6	1.924	1.851	0.477	181.0	822	13.234	0.129	53.3	81.8	7.8
	115.0	131.8	169.3	1.798	1.735	0.497	166.7	835	12.108	0.120	53.9	80.6	7.8
	115.0	137.2	175.7	1.687	1.642	0.515	153.0	846	10.810	0.109	53.1	78.9	7.8
	115.0	142.5	182.2	1.577	1.559	0.535	138.5	857	9.345	0.095	51.3	76.4	7.8
	115.0	147.7	189.0	1.480	1.503	0.554	123.7	867	7.548	0.078	47.0	72.7	7.8
	115.0	152.3	195.2	1.404	1.476	0.573	109.8	876	5.717	0.060	40.5	68.0	7.8
	115.0	156.8	202.0	1.342	1.481	0.592	93.9	887	3.367	0.036	28.2	60.8	7.8
	115.0	160.0	206.8	1.312	1.506	0.607	82.2	893	1.502	0.016	14.5	54.4	7.8
	115.0	162.1	210.3	1.304	1.545	0.618	72.6	899	0.000	0.000	0.0	48.4	7.8

DRAWING NO. PAGE 1 of 4
4HZ62BG REV.
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Dayton Electric Mfg. Co. Lake Forest, IL 60045 USA

Performance Data



Performance Data



4HZ62BG

REV.
-

Dayton Manufacturing Company

Motor Description

Model: K055EMG2505 4HZ62BG
Motor ID:
Poles: 8
Volts: 115
Frequency: 60
HP: 1/12
Speed: 850
Phase: 1
Protector: 7AM036

Test Conditions

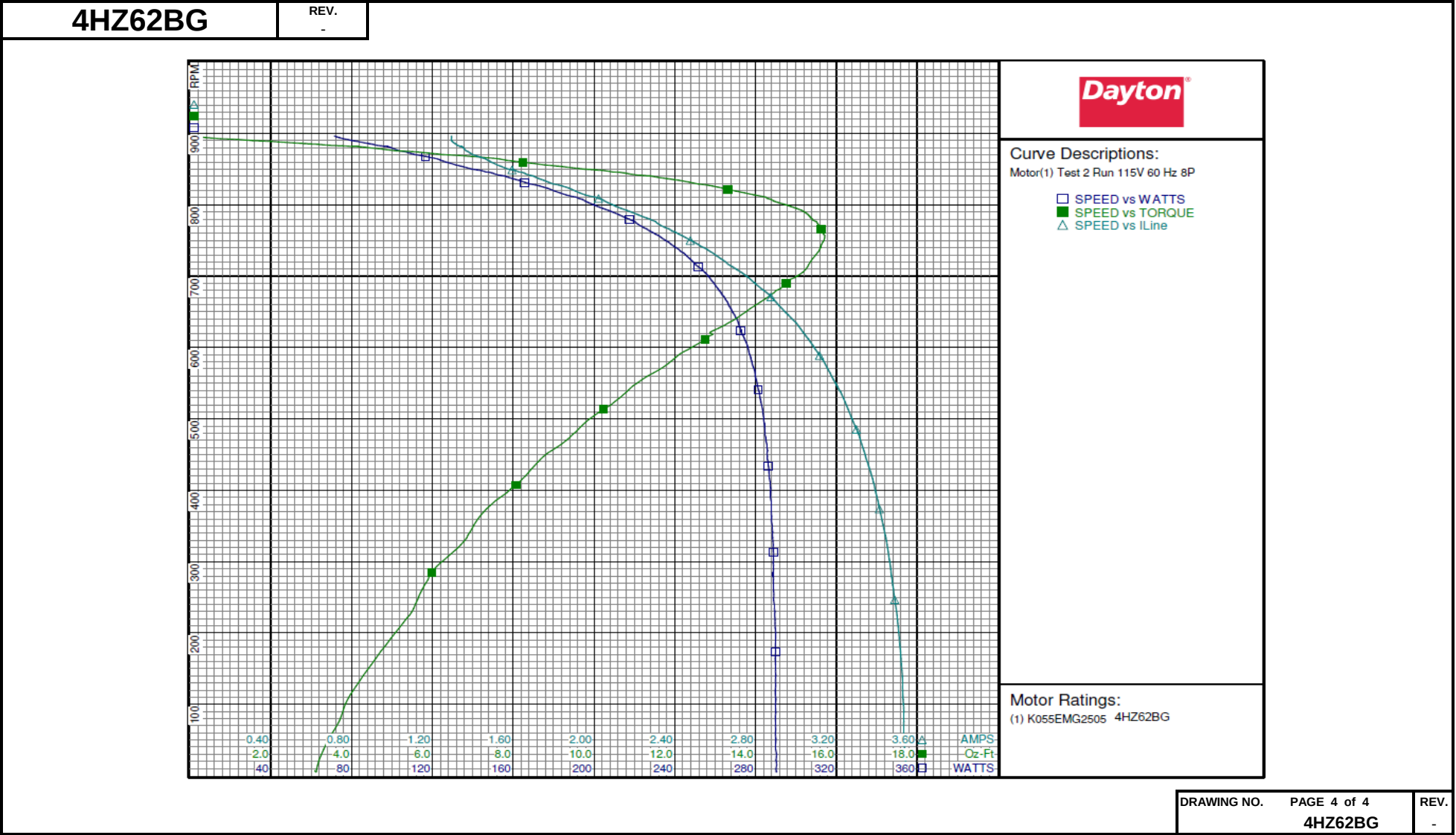
Test Type: Run
Test Number: 2
Poles: 8
Volts: 115
Hz: 60
Rotation:
Special Cond:
Speed Conn:
TestBoard: Aamps Performance Fixture #4
Run Cap: 0
Start Cap: 0µfd
Environment: 21.5 Deg C 53 % RH 1001 hPa
Tested: 6/20/2016 10:38:08 AM
Tested By: Sharp, Gerald
Gear Ratio: 1:1
Bearing Friction: -0.08 Oz-Ft
Windage Torque: -0.43 Oz-Ft

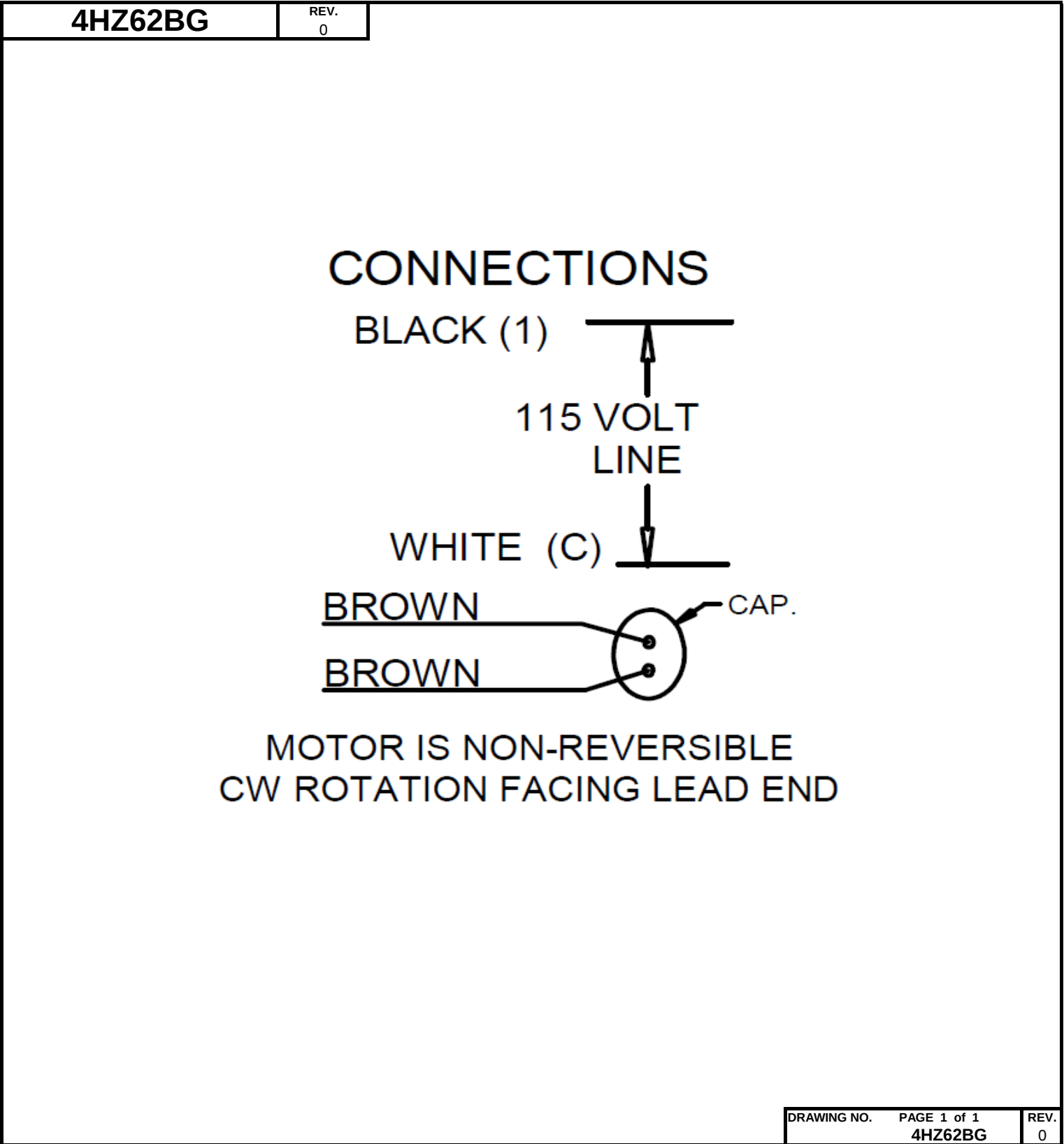
Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Imain (A)	Iaux (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)	Cap
	115.0	162.5	210.6	1.294	1.538	0.618	71.4	896	0.000	0.000	0.0	48.0	7.8
	115.0	158.9	204.6	1.306	1.473	0.600	86.5	887	2.570	0.027	23.4	57.6	7.8
	115.0	155.6	199.7	1.351	1.464	0.585	98.9	881	4.309	0.045	34.1	63.6	7.8
	115.0	150.4	192.0	1.426	1.466	0.562	116.7	868	6.996	0.072	46.2	71.1	7.8
0.083 HP	115.0	147.3	187.6	1.487	1.498	0.550	126.0	860	8.105	0.083	49.1	73.7	7.8
8.4 OZ-FT	115.0	146.5	186.6	1.501	1.505	0.547	128.3	858	8.400	0.086	49.9	74.4	7.8
	115.0	145.6	185.2	1.520	1.515	0.542	131.5	856	8.770	0.089	50.7	75.2	7.8
	115.0	139.0	177.0	1.655	1.609	0.519	149.8	844	10.771	0.108	53.9	78.7	7.8
	115.0	133.0	169.7	1.775	1.705	0.498	165.6	831	12.367	0.122	55.1	81.1	7.8
825 RPM	115.0	129.1	165.5	1.857	1.780	0.485	174.5	825	13.035	0.128	54.7	81.7	7.8
	115.0	125.8	161.7	1.929	1.848	0.474	183.1	816	13.731	0.133	54.4	82.5	7.8
	115.0	118.4	154.1	2.088	2.006	0.453	199.4	800	14.714	0.140	52.5	83.0	7.8
	115.0	109.8	146.0	2.275	2.202	0.429	217.4	780	15.405	0.143	49.1	83.1	7.8
	115.0	103.0	140.6	2.403	2.356	0.413	228.8	761	15.659	0.142	46.3	82.8	7.8
BDT OZ-FT	115.0	101.4	139.3	2.436	2.394	0.410	231.9	757	15.712	0.142	45.5	82.8	7.8
	115.0	95.9	135.5	2.544	2.515	0.398	240.5	740	15.606	0.137	42.6	82.2	7.8
	115.0	88.5	130.7	2.687	2.679	0.385	251.7	713	15.288	0.130	38.5	81.5	7.8
	115.0	81.0	127.1	2.828	2.845	0.374	261.4	682	14.614	0.119	33.9	80.4	7.8
	115.0	75.3	125.2	2.932	2.969	0.368	267.8	654	13.860	0.108	30.1	79.4	7.8
	115.0	69.8	123.8	3.028	3.085	0.364	272.8	624	12.977	0.096	26.4	78.3	7.8
	115.0	66.6	123.1	3.085	3.154	0.362	275.9	602	12.487	0.090	24.2	77.8	7.8
	115.0	62.9	122.8	3.144	3.227	0.361	278.3	577	11.835	0.081	21.8	77.0	7.8
	115.0	58.8	122.7	3.212	3.312	0.361	281.4	541	10.865	0.070	18.6	76.2	7.8
	115.0	55.3	123.0	3.273	3.387	0.362	283.9	503	9.961	0.060	15.7	75.4	7.8
	115.0	52.4	123.4	3.320	3.447	0.363	285.1	469	9.305	0.052	13.6	74.7	7.8
	115.0	49.8	124.1	3.359	3.498	0.365	286.3	434	8.528	0.044	11.5	74.1	7.8
	115.0	47.9	124.7	3.396	3.544	0.367	287.4	396	7.836	0.037	9.6	73.6	7.8
	115.0	45.2	125.7	3.431	3.592	0.370	288.2	351	7.028	0.029	7.6	73.0	7.8
	115.0	43.7	126.4	3.457	3.625	0.372	288.8	313	6.508	0.024	6.3	72.6	7.8
	115.0	42.1	127.3	3.476	3.653	0.375	288.8	274	5.886	0.019	5.0	72.2	7.8
	115.0	40.7	128.4	3.500	3.686	0.378	289.4	225	5.435	0.015	3.8	71.9	7.8
	115.0	39.6	129.6	3.518	3.711	0.381	289.9	174	4.715	0.010	2.5	71.7	7.8
	115.0	38.4	131.2	3.529	3.732	0.386	289.8	113	3.957	0.005	1.4	71.4	7.8
	115.0	37.5	132.3	3.533	3.743	0.389	289.9	64	3.570	0.003	0.7	71.4	7.8
	115.0	37.0	133.9	3.543	3.760	0.394	290.1	9	3.135	0.000	0.1	71.2	7.8

DRAWING NO. PAGE 3 of 4 REV.
4HZ62BG -

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

Performance Data





Dayton®

DIRECT DRIVE BLOWER MOTOR

HP: 1/12**VOLTS:** 115**AMPS:** 1.6**RPM:** 850**DUTY:** CONT**SF:** 1.0**KVA CODE:** F**ENCL:** OAO**THERMALLY PROTECTED:** AUTOMFG. NO. PROT. CODE:

7A010

MTR REF: K55HXEMG-2505**PH:** 1**HZ:** 60**FR:** 48Y**INS CL:** B**AMB:** 40 °C**SFA:**AVG. F.L.
EFF.Part
No **4HZ62BG****Disconnect Power Before Making Any
Electrical Connections or Changes**

CONNECTIONS

BLACK (1)

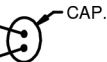
115 VOLT
LINE

WHITE (C)



BROWN

BROWN

**MOTOR IS NON-REVERSIBLE
CW ROTATION FACING LEAD END****Mfd for Dayton Electric Mfg. Co., Lake Forest, IL 60045 USA****Made in Mexico**