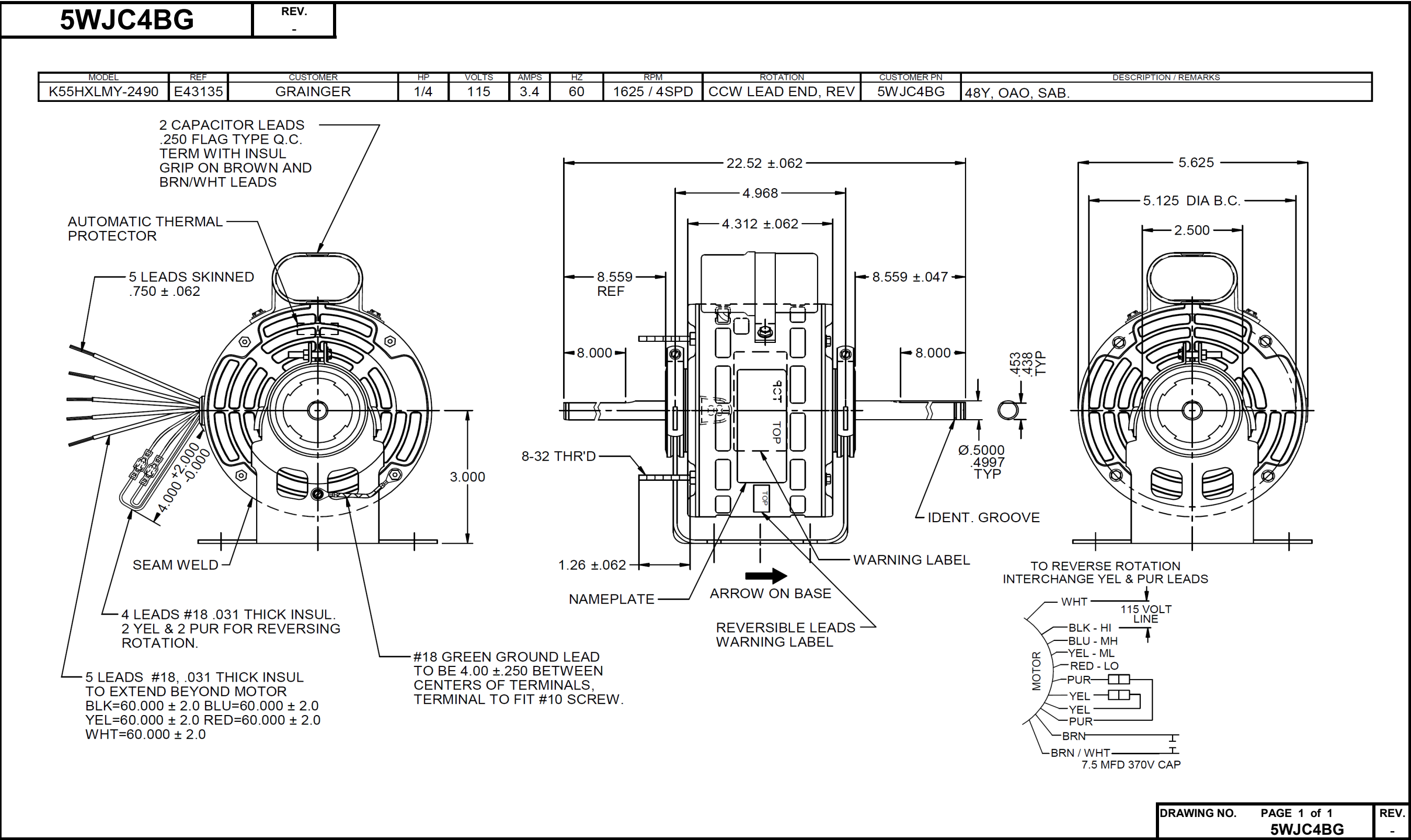


Dimensional Drawing



# Performance Data



5WJC4BG

REV.  
-

## MOTOR PERFORMANCE

HP:	1/4HP								
Poles:	4P								
No. of Speeds:	1speed								
Volts:	115	115							
HZ:	60	60							
Service Factor:	1								
Efficiency:	@ Rated Load								
Power Factor:	@ Rated Load								
Amps:	@ No Load								
	@ Rated Load	3.4							
	@ Service Factor	N/A							
	@ Locked Rotor	9.7							
RPM:	@ Rated Load	1632							
Ambient (°C):	60								
Altitude (FASL):									
Torques:	Breakdown	25.4							
	Locked Rotor	5.9							
	Pull-Up	5.9							
	Rated Load	16							
	Service Factor	N/A							
Watts:	Rated Load	357							
KVA Code:									
Temperature Rise:	@ Rated Load								
	@ Service Factor								
Thermal Protector:	Trip Temp (°C)								
Winding Material:	Start (Auxiliary)	Cu							
	Run (Main)	Cu							
Capacitor(s):	Start (MFD / Volts)	N/A							
	No. of Start Capacitors								
	Run (MFD / Volts)	7.5MFD 370VAC							
	No. of Run Capacitors								

### PERFORMANCE DATA:

HP:									
Poles:									
Volts:									
HZ:									
Efficiency:	@ Rated Load								
Power Factor:	@ Rated Load								
Amps:	@ No Load								
	@ Rated Load								
	@ Service Factor								
	@ Locked Rotor								
Torques:	@ Rated Load								
	Locked Rotor								
	Pull-Up								
	Rated Load								
	Service Factor								
Watts:	@ Rated Load								
Temperature Rise:	@ Rated Load								
	@ Service Factor								

DRAWING NO. PAGE 1 of 1  
5WJC4BG

REV.  
-

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

# Performance Data



**5WJC4BG**

REV.

-

## Dayton Manufacturing Company

### Motor Description

Model: K55HXL MY2490 5WJC4BG  
 Motor ID: 1  
 Poles: 4  
 Volts: 115  
 Frequency: 60  
 HP: 1/4  
 Speed: 1625  
 Phase: 1  
 Protector: 7AM036-A5

### Test Conditions

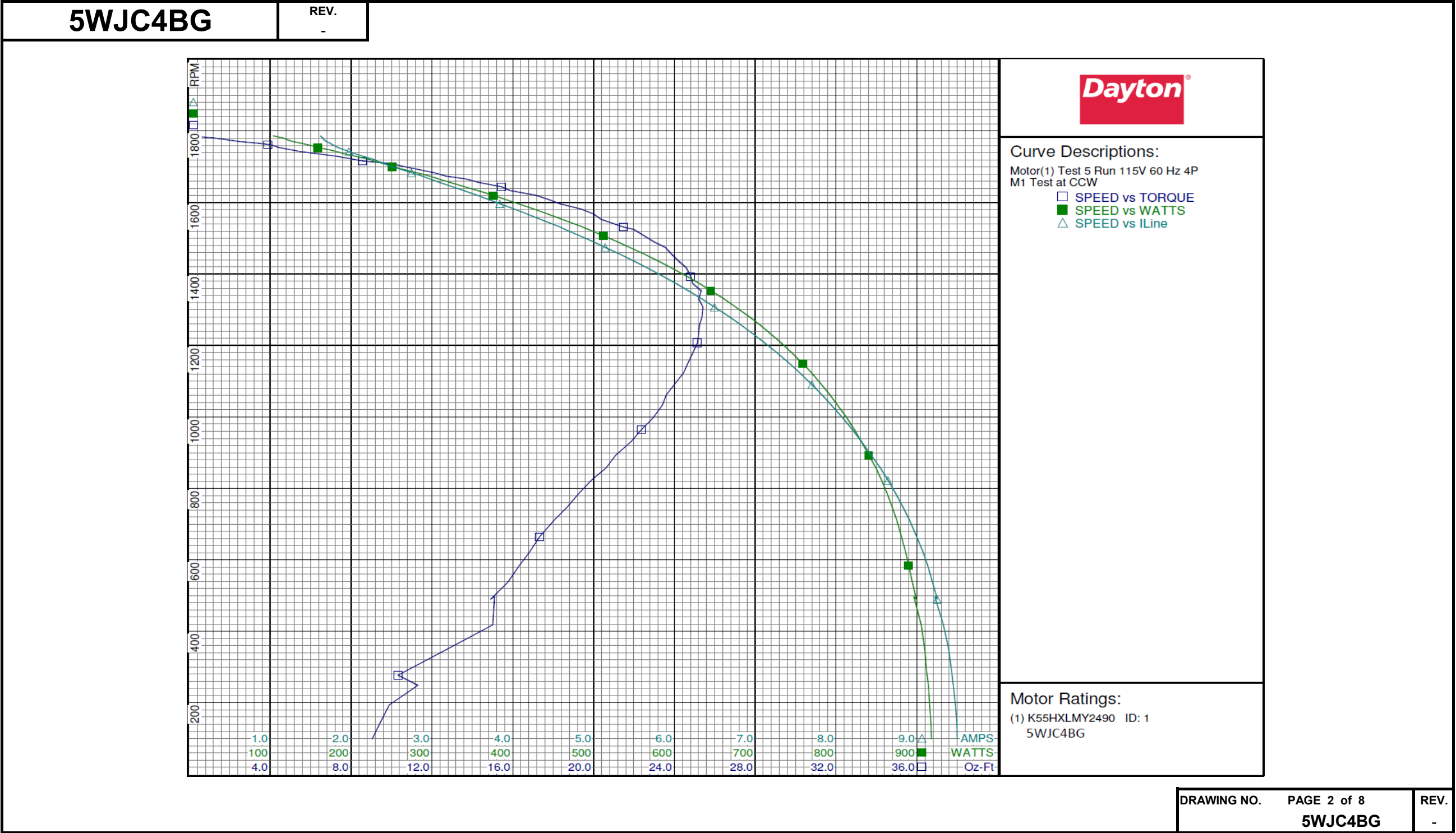
Test Type: Run  
 Test Number: 5  
 Poles: 4  
 Volts: 115  
 Hz: 60  
 Rotation:  
 Special Cond: M1 Test at CCW  
 Speed Conn:  
 TestBoard: CMD InLine Three Phase #2 Fixture #1  
 Run Cap: 0  
 Start Cap: 0µfd  
 Environment:  
 Tested: 6/10/2016 4:22:27 PM  
 Tested By: Navarro, Susana  
 Gear Ratio: 1:1  
 Bearing Friction: -0.48 Oz-Ft  
 Windage Torque: -0.85 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
	115.0	249.7	329.2	1.621	103.7	1786	0.00	0.000	0.0	55.7
	115.0	248.6	326.7	1.651	116.1	1780	1.24	0.026	16.9	61.1
	115.0	247.3	324.2	1.699	129.0	1770	2.59	0.055	31.6	66.0
	115.0	244.5	319.6	1.801	153.1	1758	4.23	0.088	43.1	73.9
	115.0	240.9	312.4	1.977	182.4	1742	5.51	0.114	46.7	80.3
	115.0	235.2	302.6	2.287	223.7	1720	8.19	0.168	55.9	85.1
	115.0	231.5	296.5	2.503	250.4	1700	10.62	0.215	64.0	87.0
0.25 HP	115.0	225.4	287.7	2.842	292.6	1676	12.53	0.250	63.7	89.5
	115.0	224.7	286.7	2.881	297.2	1674	12.70	0.253	63.5	89.7
	115.0	217.4	277.3	3.256	340.9	1644	15.45	0.302	66.2	91.0
1625 RPM	115.0	212.7	271.3	3.494	368.2	1625	16.65	0.322	65.2	91.6
15.95 OZ-FT	115.0	214.5	273.6	3.402	357.8	1632	15.95	0.310	64.6	91.5
	115.0	208.4	266.0	3.708	392.2	1607	17.81	0.341	64.8	92.0
	115.0	198.8	254.8	4.180	443.7	1567	20.01	0.373	62.7	92.3
	115.0	188.5	244.0	4.646	493.3	1524	21.98	0.399	60.3	92.3
	115.0	177.7	233.0	5.144	544.6	1474	23.56	0.413	56.6	92.1
	115.0	166.4	222.2	5.656	595.7	1417	24.58	0.415	51.9	91.6
	115.0	154.6	211.9	6.169	645.2	1353	25.32	0.408	47.2	90.9
BDT OZ-FT	115.0	146.8	205.7	6.497	675.9	1307	25.41	0.395	43.6	90.5
	115.0	142.5	202.5	6.673	692.1	1281	25.37	0.387	41.7	90.2
	115.0	131.4	195.1	7.114	731.8	1207	25.14	0.361	36.8	89.5
	115.0	120.0	188.5	7.548	769.4	1124	24.45	0.327	31.7	88.6
	115.0	108.8	183.4	7.942	801.8	1032	23.39	0.287	26.7	87.8
	115.0	97.5	179.4	8.314	831.2	930	21.85	0.242	21.7	86.9
	115.0	86.8	177.0	8.641	856.2	822	19.88	0.195	17.0	86.2
	115.0	77.1	175.9	8.906	874.8	712	18.06	0.153	13.0	85.4
	115.0	67.1	175.9	9.131	889.9	584	16.32	0.113	9.5	84.7
	115.0	62.1	177.3	9.219	896.0	497	15.09	0.089	7.4	84.5
	115.0	49.6	181.2	9.434	912.4	277	10.32	0.034	2.8	84.1
	115.0	43.6	184.4	9.492	917.0	145	9.45	0.016	1.3	84.0

DRAWING NO.	PAGE 1 of 8	REV.
	5WJC4BG	-

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

Performance Data





# Performance Data



**5WJC4BG**

REV.

-

## Dayton Manufacturing Company

### Motor Description

Model: K55HXLMY2490 5WJC4BG  
 Motor ID: 1  
 Poles: 4  
 Volts: 115  
 Frequency: 60  
 HP: 1/4  
 Speed: 1625  
 Phase: 1  
 Protector: 7AM036-A5

### Test Conditions

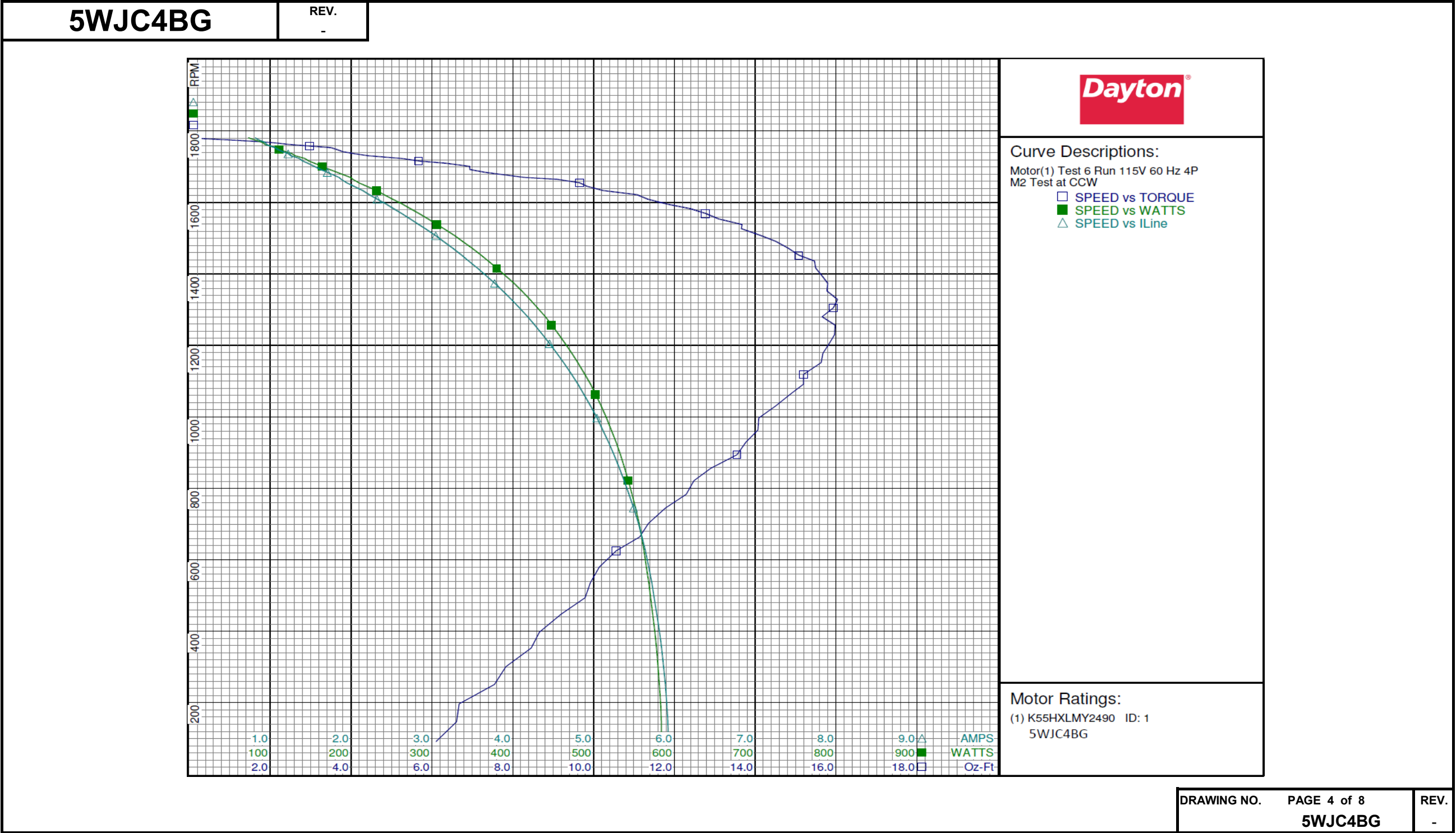
Test Type: Run  
 Test Number: 6  
 Poles: 4  
 Volts: 115  
 Hz: 60  
 Rotation:  
 Special Cond: M2 Test at CCW  
 Speed Conn:  
 TestBoard: CMD InLine Three Phase #2 Fixture #1  
 Run Cap: 0  
 Start Cap: 0µfd  
 Environment:  
 Tested: 6/10/2016 4:32:21 PM  
 Tested By: Navarro, Susana  
 Gear Ratio: 1:1  
 Bearing Friction: -0.45 Oz-Ft  
 Windage Torque: -1.15 Oz-Ft

Special Points	Vline(V)	Vaux(V)	Vcap(V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)
	115.0	214.4	278.9	0.814	72.9	1781	0.000	0.000	0.0	77.8
	115.0	214.0	277.6	0.838	77.4	1777	0.540	0.011	11.0	80.3
	115.0	211.7	274.3	0.913	88.1	1770	1.723	0.036	30.8	83.9
	115.0	210.5	272.6	0.952	92.8	1763	2.431	0.051	41.0	84.8
	115.0	207.4	267.3	1.059	107.9	1753	3.505	0.073	50.6	88.6
	115.0	204.6	262.1	1.150	118.9	1742	3.794	0.079	49.4	89.9
	115.0	200.9	256.5	1.256	130.8	1731	4.421	0.091	52.0	90.5
	115.0	196.5	250.5	1.400	147.5	1716	5.672	0.116	58.6	91.6
	115.0	192.9	245.6	1.544	164.1	1701	6.933	0.140	63.8	92.4
	115.0	188.4	239.8	1.707	182.8	1684	7.321	0.147	59.9	93.1
	115.0	183.2	233.7	1.877	202.2	1664	9.108	0.180	66.6	93.7
	115.0	179.2	228.9	2.034	219.5	1645	9.834	0.193	65.5	93.8
<b>1625 RPM</b>	<b>115.0</b>	<b>174.2</b>	<b>223.3</b>	<b>2.202</b>	<b>238.2</b>	<b>1625</b>	<b>10.836</b>	<b>0.210</b>	<b>65.6</b>	<b>94.0</b>
	115.0	173.4	222.5	2.225	240.7	1622	11.071	0.214	66.2	94.1
	115.0	167.9	216.3	2.432	263.2	1596	11.805	0.224	63.6	94.1
	115.0	162.3	210.3	2.625	283.7	1569	12.768	0.238	62.7	94.0
<b>0.25 HP</b>	<b>115.0</b>	<b>156.3</b>	<b>204.2</b>	<b>2.832</b>	<b>305.6</b>	<b>1539</b>	<b>13.648</b>	<b>0.250</b>	<b>61.0</b>	<b>93.8</b>
	115.0	156.2	204.1	2.836	306.0	1538	13.673	0.250	61.0	93.8
	115.0	150.3	198.1	3.048	328.3	1507	14.153	0.254	57.7	93.7
	115.0	144.1	192.3	3.255	349.5	1472	14.812	0.260	55.4	93.4
	115.0	138.1	187.0	3.455	369.6	1436	15.462	0.264	53.3	93.0
	115.0	131.3	181.3	3.679	391.7	1393	15.658	0.260	49.5	92.6
	115.0	125.2	176.5	3.877	411.1	1352	15.773	0.254	46.1	92.2
<b>BDT OZ-FT</b>	<b>115.0</b>	<b>121.9</b>	<b>174.0</b>	<b>3.983</b>	<b>421.2</b>	<b>1328</b>	<b>16.034</b>	<b>0.254</b>	<b>44.9</b>	<b>92.0</b>
	115.0	118.5	171.7	4.082	430.6	1305	15.930	0.247	42.9	91.7
	115.0	112.5	167.7	4.272	448.3	1257	15.971	0.239	39.8	91.3
	115.0	106.1	164.0	4.455	465.0	1205	15.826	0.227	36.4	90.7
	115.0	100.3	160.9	4.628	480.4	1152	15.629	0.214	33.3	90.3
	115.0	94.0	158.0	4.806	496.1	1091	15.189	0.197	29.7	89.8
	115.0	88.2	155.7	4.960	509.2	1031	14.509	0.178	26.1	89.3
	115.0	82.3	153.8	5.112	521.8	963	14.067	0.161	23.1	88.8
	115.0	76.5	152.6	5.251	533.2	894	13.547	0.144	20.2	88.3
	115.0	71.0	151.6	5.377	543.0	821	12.479	0.122	16.8	87.8
	115.0	65.5	150.9	5.494	551.9	745	11.779	0.104	14.1	87.3
	115.0	60.1	150.6	5.597	559.3	664	11.140	0.088	11.7	86.9
	115.0	55.3	150.9	5.681	565.2	579	10.138	0.070	9.2	86.5
	115.0	51.1	151.8	5.749	570.5	494	9.789	0.058	7.5	86.3
	115.0	46.9	153.1	5.814	575.7	397	8.659	0.041	5.3	86.1
	115.0	43.2	154.3	5.865	579.6	301	7.828	0.028	3.6	85.9
	115.0	39.5	156.1	5.904	582.8	197	6.670	0.016	2.0	85.8
	115.0	36.2	158.6	5.923	584.0	91	6.099	0.007	0.8	85.7

DRAWING NO.	PAGE 3 of 8	REV.
	<b>5WJC4BG</b>	-

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

Performance Data



# Performance Data



5WJC4BG

REV.

-

## Dayton Manufacturing Company

### Motor Description

Model: K55HXL MY2490 5WJC4BG  
 Motor ID: 1  
 Poles: 4  
 Volts: 115  
 Frequency: 60  
 HP: 1/4  
 Speed: 1625  
 Phase: 1  
 Protector: 7AM036-A5

### Test Conditions

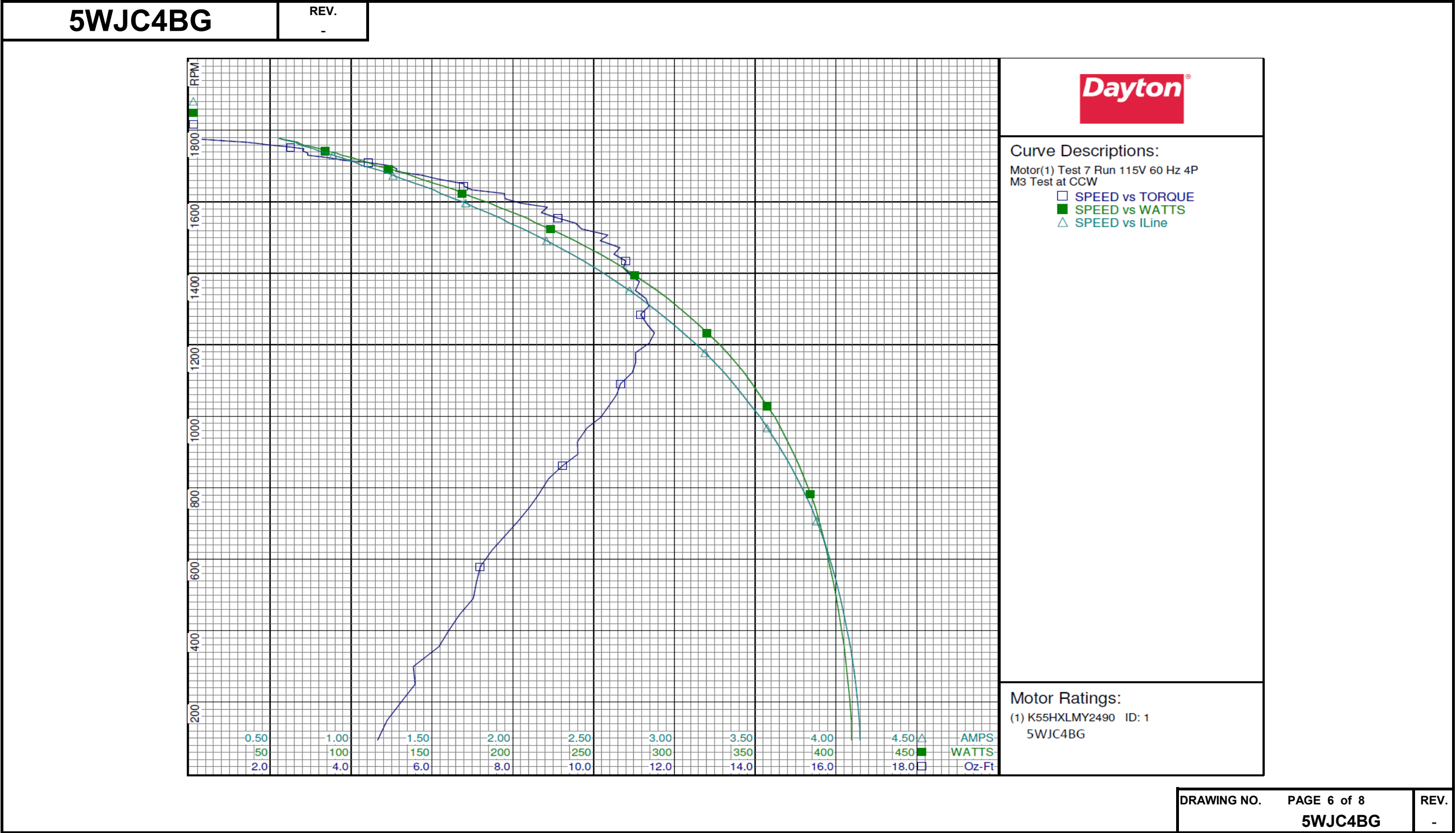
Test Type: Run  
 Test Number: 7  
 Poles: 4  
 Volts: 115  
 Hz: 60  
 Rotation:  
 Special Cond: M3 Test at CCW  
 Speed Conn:  
 TestBoard: CMD InLine Three Phase #2 Fixture #1  
 Run Cap: 0  
 Start Cap: 0µfd  
 Environment:  
 Tested: 6/10/2016 4:33:53 PM  
 Tested By: Navarro, Susana  
 Gear Ratio: 1:1  
 Bearing Friction: -0.45 Oz-Ft  
 Windage Torque: -1.20 Oz-Ft

Special Points	Vline(V)	Vaux(V)	Vcap(V)	Iline(A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
	115.0	185.2	240.4	0.563	55.4	1777	0.000	0.000	0.0	85.5
	115.0	185.0	239.5	0.579	58.1	1774	0.382	0.008	10.4	87.2
	115.0	182.1	236.0	0.652	67.0	1767	1.393	0.029	32.6	89.3
	115.0	181.0	234.0	0.687	71.1	1758	2.038	0.043	44.8	90.0
	115.0	176.8	227.7	0.769	80.8	1748	2.829	0.059	54.4	91.3
	115.0	173.3	221.4	0.853	90.7	1736	2.927	0.061	49.7	92.6
	115.0	169.6	216.3	0.942	100.9	1723	3.460	0.071	52.5	93.2
	115.0	165.8	211.8	1.030	110.7	1710	4.421	0.090	60.6	93.5
	115.0	162.1	207.4	1.142	123.1	1692	5.133	0.103	62.7	93.7
	115.0	158.0	202.2	1.260	136.9	1674	5.759	0.115	62.5	94.4
	115.0	153.1	196.9	1.404	152.3	1650	6.799	0.134	65.4	94.3
	115.0	149.5	192.6	1.511	164.5	1633	6.986	0.136	61.6	94.6
1625 RPM	115.0	147.7	190.9	1.546	168.1	1625	7.647	0.148	65.6	94.6
	115.0	144.9	187.9	1.637	177.8	1609	7.807	0.149	62.7	94.5
	115.0	140.2	183.0	1.760	191.3	1585	8.854	0.167	65.1	94.5
	115.0	135.1	177.6	1.923	208.7	1554	9.114	0.169	60.3	94.4
	115.0	130.1	172.9	2.064	223.3	1524	9.699	0.176	58.8	94.0
	115.0	125.0	168.2	2.210	238.3	1491	10.162	0.180	56.5	93.8
	115.0	119.4	163.3	2.364	254.1	1453	10.502	0.182	53.3	93.4
	115.0	114.1	159.0	2.509	268.6	1415	10.739	0.181	50.2	93.1
	115.0	109.1	155.2	2.640	281.2	1376	11.130	0.182	48.4	92.6
	115.0	103.4	151.2	2.792	296.0	1329	11.294	0.179	45.0	92.2
	115.0	98.5	148.1	2.917	307.7	1285	11.161	0.171	41.4	91.7
BDT OZ-FT	115.0	92.9	144.9	3.054	320.3	1233	11.502	0.169	39.3	91.2
	115.0	87.4	142.1	3.189	332.6	1177	11.033	0.155	34.7	90.7
	115.0	82.5	139.9	3.307	343.0	1122	10.959	0.146	31.8	90.2
	115.0	77.5	138.1	3.420	352.6	1060	10.571	0.133	28.2	89.7
	115.0	72.4	136.5	3.533	362.3	996	10.174	0.121	24.8	89.2
	115.0	67.7	135.5	3.629	370.0	928	9.597	0.106	21.4	88.7
	115.0	63.4	134.6	3.716	377.0	862	9.242	0.095	18.8	88.2
	115.0	58.4	134.2	3.808	384.1	782	8.647	0.081	15.6	87.7
	115.0	54.2	134.0	3.880	389.5	707	8.135	0.068	13.1	87.3
	115.0	49.9	133.9	3.945	394.1	624	7.478	0.056	10.5	86.9
	115.0	46.0	134.5	4.002	398.3	535	7.101	0.045	8.5	86.5
	115.0	42.7	135.5	4.048	401.9	444	6.681	0.035	6.6	86.3
	115.0	39.8	136.5	4.088	405.0	356	6.177	0.026	4.8	86.2
	115.0	36.7	137.8	4.121	407.4	250	5.584	0.017	3.0	86.0
	115.0	34.1	139.4	4.143	409.3	149	4.890	0.009	1.6	85.9

DRAWING NO.	PAGE 5 of 8	REV.
	5WJC4BG	-

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

Performance Data





# Performance Data



**5WJC4BG**

REV.

-

## Dayton Manufacturing Company

### Motor Description

Model: K55HXLMY2490 5WJC4BG  
 Motor ID: 1  
 Poles: 4  
 Volts: 115  
 Frequency: 60  
 HP: 1/4  
 Speed: 1625  
 Phase: 1  
 Protector: 7AM036-A5

### Test Conditions

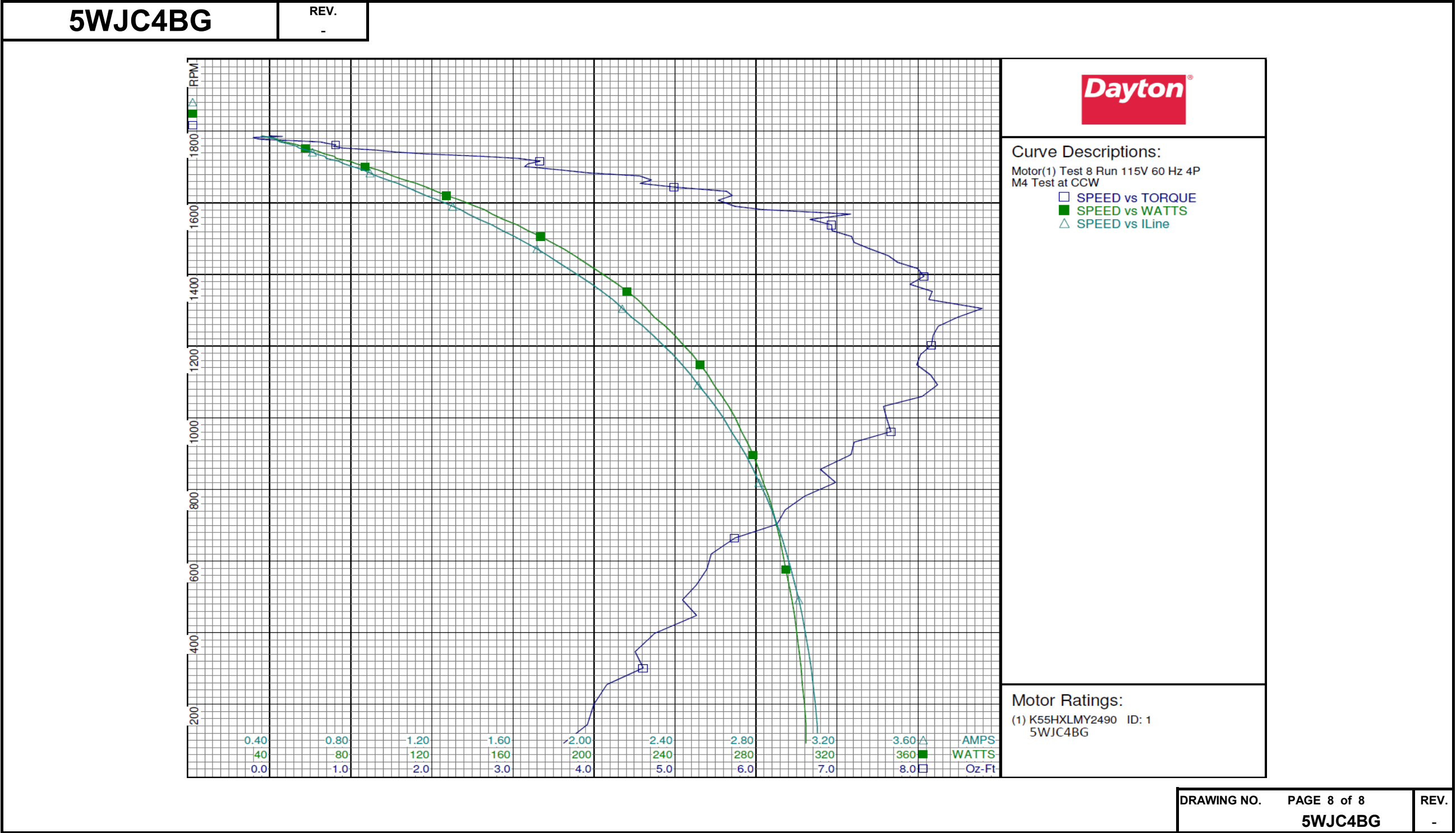
Test Type: Run  
 Test Number: 8  
 Poles: 4  
 Volts: 115  
 Hz: 60  
 Rotation:  
 Special Cond: M4 Test at CCW  
 Speed Conn:  
 TestBoard: CMD InLine Three Phase #2 Fixture #1  
 Run Cap: 0  
 Start Cap: 0µfd  
 Environment:  
 Tested: 6/10/2016 4:35:57 PM  
 Tested By: Navarro, Susana  
 Gear Ratio: 1:1  
 Bearing Friction: -0.47 Oz-Ft  
 Windage Torque: -1.16 Oz-Ft

Special Points	Vline(V)	Vaux(V)	Vcap(V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)
	115.0	163.9	214.4	0.361	35.7	1787	0.000	0.000	0.0	86.2
	115.0	162.1	212.3	0.417	42.3	1780	-0.174	-0.004	0.0	88.2
	115.0	161.6	210.6	0.452	46.6	1770	0.626	0.013	21.1	89.8
	115.0	158.2	205.3	0.532	55.7	1758	0.788	0.016	22.1	91.1
	115.0	152.5	195.8	0.611	64.8	1742	1.552	0.032	37.1	92.2
	115.0	148.9	190.3	0.679	72.7	1724	3.064	0.063	64.5	93.2
	115.0	143.2	183.7	0.808	87.2	1701	3.144	0.064	54.5	93.8
	115.0	138.4	177.6	0.926	100.5	1675	4.560	0.091	67.5	94.4
	115.0	132.3	171.0	1.076	117.2	1644	4.990	0.098	62.2	94.7
<b>1625 RPM</b>	<b>115.0</b>	<b>129.0</b>	<b>167.8</b>	<b>1.150</b>	<b>125.1</b>	<b>1625</b>	<b>5.677</b>	<b>0.110</b>	<b>65.5</b>	<b>94.6</b>
	115.0	126.0	164.5	1.233	134.1	1607	5.532	0.106	58.9	94.6
	115.0	119.6	158.4	1.380	149.8	1568	7.167	0.134	66.7	94.4
	115.0	113.2	152.2	1.548	167.3	1522	6.936	0.126	56.0	94.0
	115.0	106.3	146.0	1.719	185.0	1471	7.402	0.130	52.3	93.6
	115.0	99.8	141.0	1.871	200.0	1417	7.990	0.135	50.3	93.0
	115.0	92.7	135.9	2.039	216.4	1352	8.171	0.132	45.3	92.3
<b>BDT OZ-FT</b>	<b>115.0</b>	<b>87.8</b>	<b>133.0</b>	<b>2.141</b>	<b>225.9</b>	<b>1305</b>	<b>8.788</b>	<b>0.137</b>	<b>45.1</b>	<b>91.8</b>
	115.0	85.8	131.9	2.185	229.8	1280	8.485	0.129	42.0	91.4
	115.0	78.8	128.3	2.339	244.0	1203	8.163	0.117	35.7	90.7
	115.0	72.1	125.5	2.478	256.3	1119	8.152	0.109	31.6	89.9
	115.0	66.1	123.6	2.599	266.4	1032	7.570	0.093	26.0	89.2
	115.0	59.9	122.4	2.711	275.6	932	7.209	0.080	21.6	88.4
	115.0	53.7	121.7	2.815	283.5	819	6.980	0.068	17.9	87.6
	115.0	48.0	121.4	2.903	290.0	703	6.257	0.052	13.5	86.9
	115.0	42.7	121.6	2.971	294.6	577	5.392	0.037	9.4	86.2
	115.0	38.4	122.9	3.027	298.9	448	5.266	0.028	7.0	85.9
	115.0	34.6	124.3	3.072	302.2	302	4.606	0.017	4.1	85.5
	115.0	31.3	126.4	3.101	304.6	143	3.919	0.007	1.6	85.4

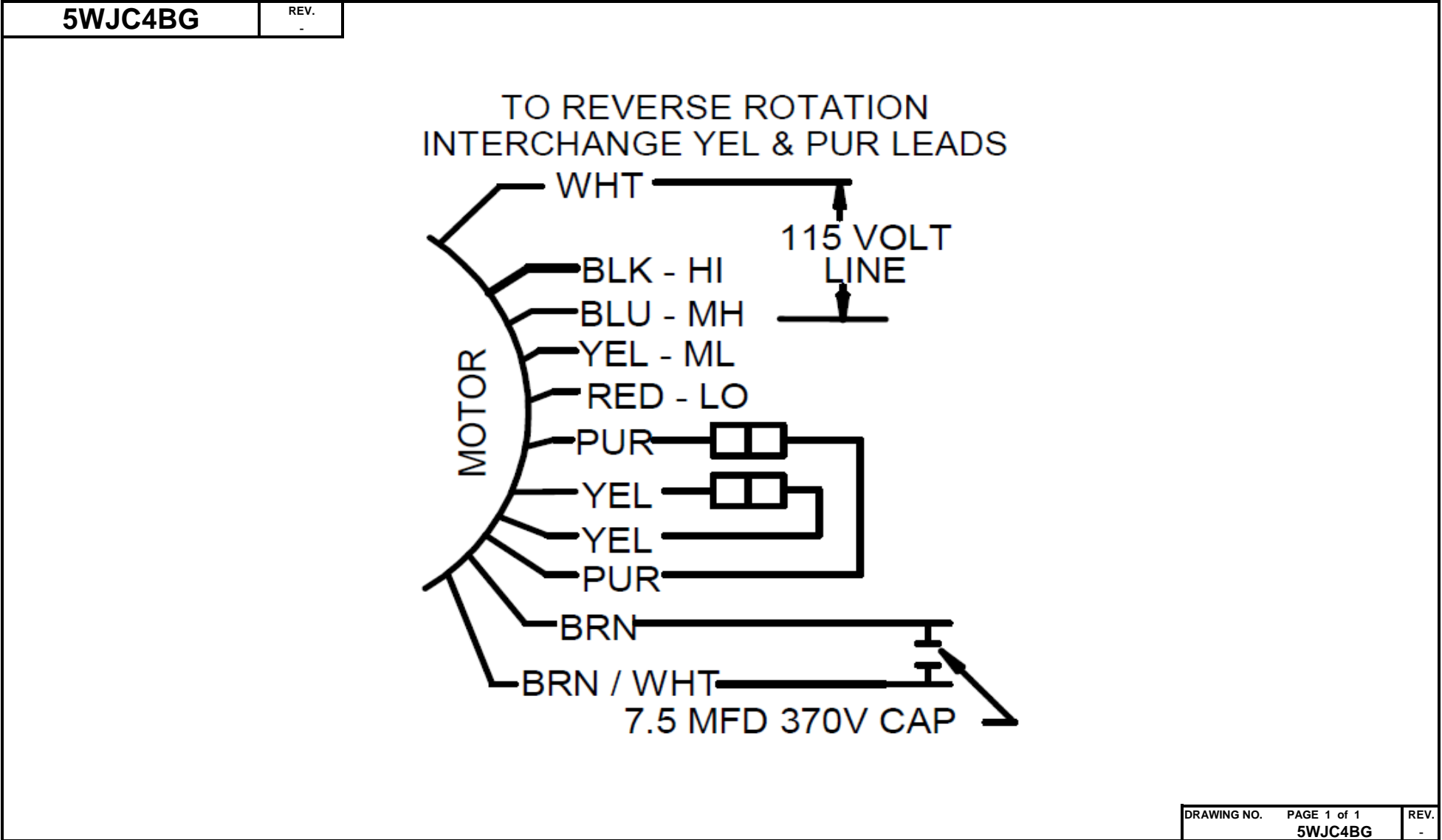
DRAWING NO.	PAGE 7 of 8	REV.
5WJC4BG		-

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

Performance Data



Wiring Diagram



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

# Dayton®



## ROOM AIR CONDITIONER MOTOR

Part No  
5WJC4BG



**HP:** 1/4

**VOLTS:** 115



**AMPS:** 3.4

**RPM:** 1625 / 4SPD

**DUTY:** CONT

**ENCL:** OAO

**THERMALLY PROTECTED:** AUTO

MFG. NO.   PROT. CODE : 7A010 AVG.F.L

**MTR REF:** K55HXL MY-2490

**PH:** 1

**HZ:** 60

**FR:** 48Y

**INS CL:** B

**AMB:** 60°C

EFF.

**Disconnect Power Before Making Any  
Electrical Connections or Changes**

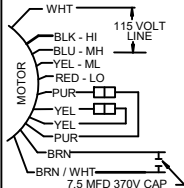


E37403



258501

**TO REVERSE ROTATION  
INTERCHANGE YEL & PUR LEADS**



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

Made in Mexico