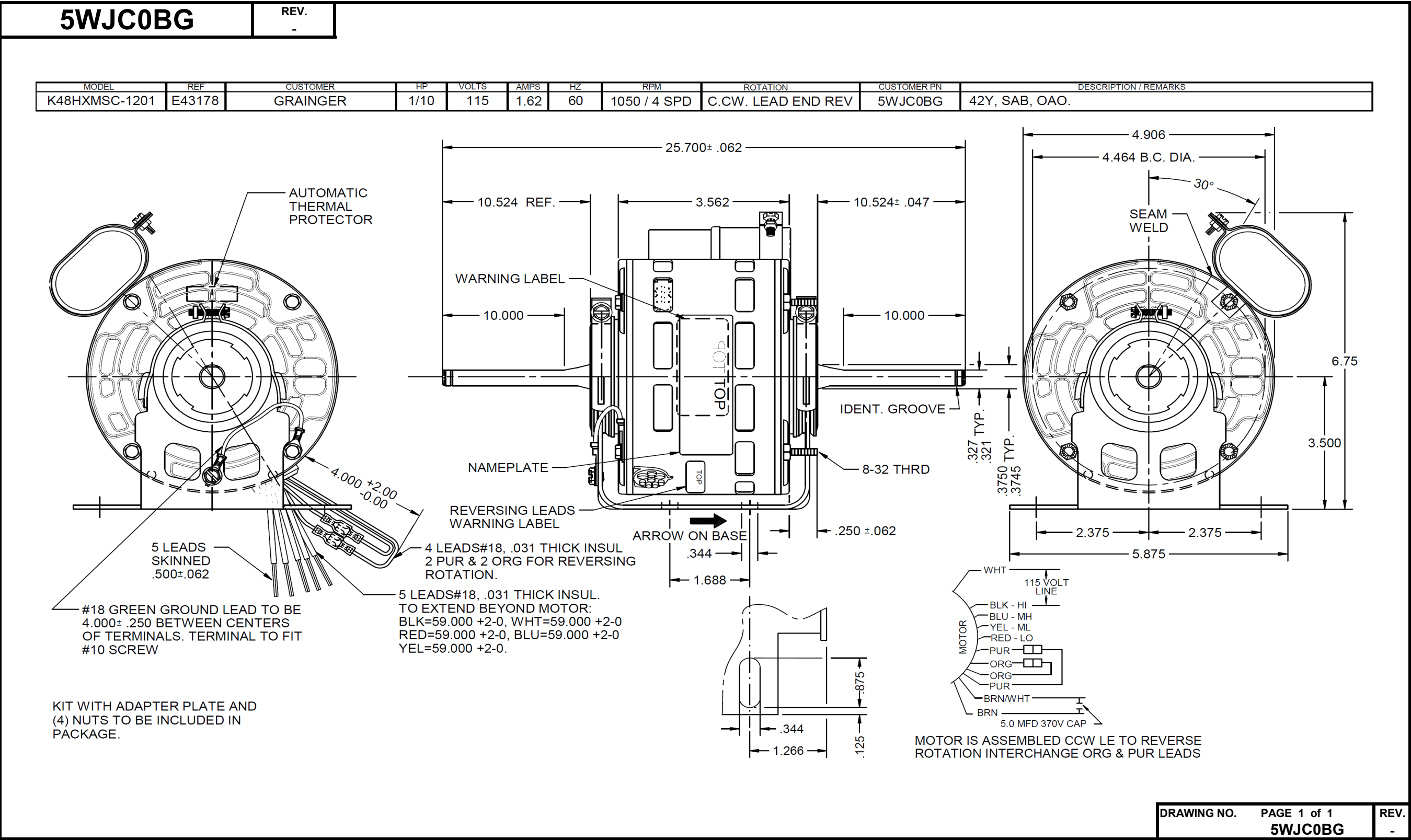


Dimensional Drawing



DRAWING NO.

PAGE 1 of 1

REV.

5WJC0BG

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

Performance Data



5WJC0BG

REV.

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SHADED-POLE & PSC MOTOR PERFORMANCE

HP:	1/10							
Poles:	6							
Ambient (°C):	60							
Altitude (FASL):								
No. of Speeds:	4							
HIGH SPEED								
Volts:	115	115						
HZ:	60	60						
Service Factor:	1.0							
Efficiency:	@ Rated Load	47.70						
Power Factor:	@ Rated Load	87.90						
Amps:	@ No Load	1.18						
	@ Rated Load	1.55						
	@ Locked Rotor	2.98						
RPM:	@ Rated Load	1083.00						
Torques:	Breakdown	10.58						
	Locked Rotor	3.28						
	Pull-Up	3.20						
	Rated Load	7.76						
	Service Factor	7.76						
Watts:	Rated Load	156.30						
Temperature Rise:	@ Rated Load	N/A						
Thermal Protector:	Trip Temp (°C)	N/A						
Winding Material:	Start (Auxiliary)	N/A						
	Run (Main)	N/A						
Capacitor(s):	Run (MFD / Volts)	5MFD 370 VAC						
	No. of Run Capacitors	1						
MEDIUM-HIGH SPEED								
HP:	1/10							
Volts:	115	115						
HZ:	60	60						
Efficiency:	@ Rated Load	44.90						
Power Factor:	@ Rated Load	91.00						
Amps:	@ No Load	0.85						
	@ Rated Load	1.36						
	@ Locked Rotor	2.41						
Torques: Oz.Ft. / Lb.In. (Circle One)	Breakdown	8.13						
	Locked Rotor	2.33						
	Pull-Up	2.29						
	Rated Load	6.84						
Watts:	@ Rated Load	142.10						
Temperature Rise:	@ Rated Load	N/A						

DRAWING NO. PAGE 1 of 2
5WJC0BG REV. -

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

Performance Data



1YAZ3BH

REV.

-

SHADED-POLE & PSC MOTOR PERFORMANCE

MEDIUM-LOW SPEED

HP:	1/10							
Volts:	115	115						
HZ:	60	60						
Efficiency:	@ Rated Load	40.70						
Power Factor:	@ Rated Load	91.80						
Amps:	@ No Load	0.66						
	@ Rated Load	1.11						
Torques: Oz.Ft. / Lb.In. (Circle One)	Breakdown	6.24						
	Locked Rotor	2.92						
	Pull-Up	2.15						
	Rated Load	5.13						
Watts:	Rated Load	117.30						
Temperature Rise:	@ Rated Load	N/A						
Thermal Protector:	Trip Temp (°C)	N/A						
Winding Material:	Start (Auxiliary)						Cu	
	Run (Main)						Cu	

LOW SPEED

HP:	1/10							
Volts:	115	115						
HZ:	60	60						
Efficiency:	@ Rated Load	38.20						
Power Factor:	@ Rated Load	92.30						
Amps:	@ No Load	0.54						
	@ Rated Load	0.93						
Torques: Oz.Ft. / Lb.In. (Circle One)	Breakdown	4.98						
	Locked Rotor	2.22						
	Pull-Up	1.47						
	Rated Load	4.04						
Watts:	Rated Load	98.71						
Temperature Rise:	@ Rated Load	N/A						

Notes:

DRAWING NO. PAGE 2 of 2
1YAZ3BH REV.
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Dayton Electric Mfg. Co. Lake Forest, IL 60045 USA

Performance Data



5WJC0BG

REV.

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Dayton Manufacturing Company

Motor Description

Model: K048MSC1201012E
 Motor ID: 1 of 1
 Poles: 6
 Volts: 115
 Frequency: 60
 HP: 1/10
 Speed: 1050
 Phase: 1
 Protector: 7AM036 A5

Test Conditions

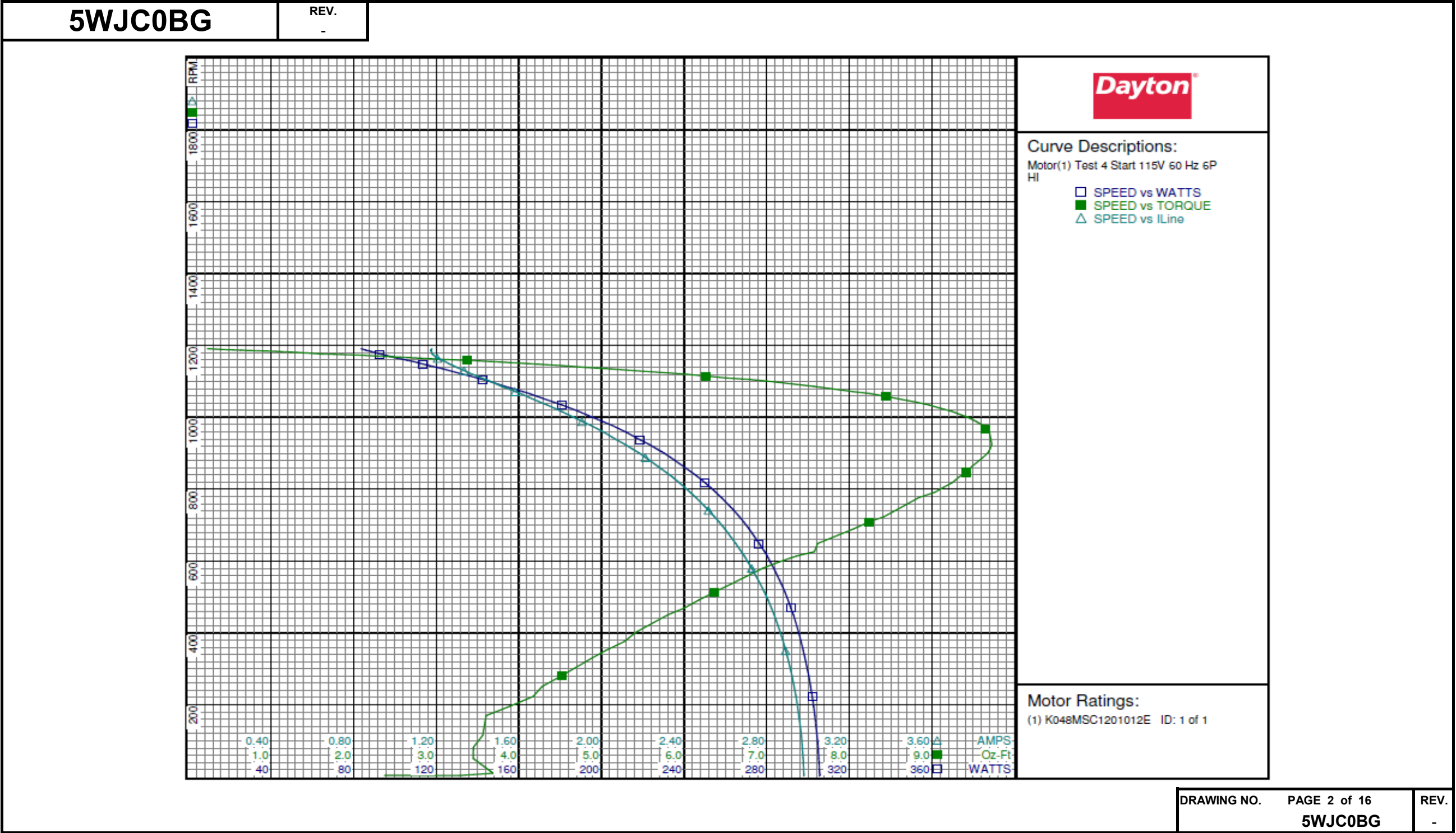
Test Type: Start
 Test Number: 4
 Poles: 6
 Volts: 115
 Hz: 60
 Rotation:
 Special Cond:
 Speed Conn: HI
 TestBoard: CMD InLine Three Phase #1 Fixture #1
 Environment: 22.9 Deg C 41 % RH 964 hPa
 Tested: 9/2/2019 3:15:40 PM
 Tested By: Navarro, Susana
 Bearing Friction: -0.47 Oz-Ft
 Windage Torque: -0.69 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
	115.0	51.7	153.7	2.980	305.7	3	3.277	0.000	0.0	89.2
	115.0	54.6	152.3	2.972	304.8	81	3.450	0.003	0.8	89.2
	115.0	59.6	150.3	2.949	302.7	195	3.879	0.009	2.2	89.2
	115.0	63.7	149.3	2.922	300.3	281	4.517	0.015	3.7	89.4
	115.0	69.4	148.6	2.879	296.5	375	5.273	0.024	5.9	89.6
	115.0	76.5	149.1	2.822	291.6	469	6.003	0.034	8.6	89.9
	115.0	82.3	150.1	2.768	287.1	536	6.566	0.042	10.9	90.2
	115.0	90.1	152.4	2.691	280.2	614	7.362	0.054	14.3	90.5
	115.0	99.3	155.8	2.596	271.3	690	8.056	0.066	18.2	90.9
	115.0	106.4	159.0	2.518	264.0	741	8.562	0.076	21.3	91.2
	115.0	116.4	164.6	2.402	252.7	805	9.137	0.088	25.9	91.4
	115.0	124.0	169.3	2.313	243.7	847	9.420	0.095	29.1	91.6
	115.0	135.0	177.1	2.184	230.3	900	9.671	0.104	33.6	91.7
	115.0	143.8	184.1	2.075	218.8	937	9.711	0.108	36.9	91.7
	115.0	154.3	193.0	1.947	205.0	978	9.613	0.112	40.7	91.5
	115.0	165.8	203.9	1.805	188.8	1017	9.236	0.112	44.2	90.9
	115.0	174.1	212.1	1.703	176.8	1042	8.802	0.109	46.1	90.3
	115.0	184.1	222.6	1.582	161.9	1072	8.037	0.103	47.2	89.0
	115.0	194.1	233.8	1.465	146.2	1099	7.065	0.092	47.2	86.8
	115.0	199.7	240.5	1.398	136.5	1115	6.270	0.083	45.5	84.9
	115.0	206.7	249.4	1.318	123.4	1135	5.115	0.069	41.8	81.4
	115.0	210.8	255.5	1.265	113.6	1148	4.206	0.057	37.7	78.1
	115.0	214.4	261.5	1.219	104.1	1161	3.086	0.043	30.6	74.3
	115.0	217.5	267.2	1.189	95.7	1172	2.106	0.029	22.9	70.0
	115.0	219.3	270.6	1.179	91.1	1179	1.430	0.020	16.4	67.2
	115.0	221.6	274.5	1.175	85.8	1187	0.637	0.009	7.8	63.5
	115.0	222.5	276.2	1.179	83.7	1191	0.230	0.003	2.9	61.7

DRAWING NO. PAGE 1 of 16 REV.
 5WJC0BG -

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

Performance Data



Performance Data



5WJC0BG

REV.

-

Dayton Manufacturing Company

Motor Description

Model: K048MSC1201012E
Motor ID: 1 of 1
Poles: 6
Volts: 115
Frequency: 60
HP: 1/10
Speed: 1050
Phase: 1
Protector: 7AM036 A5

Test Conditions

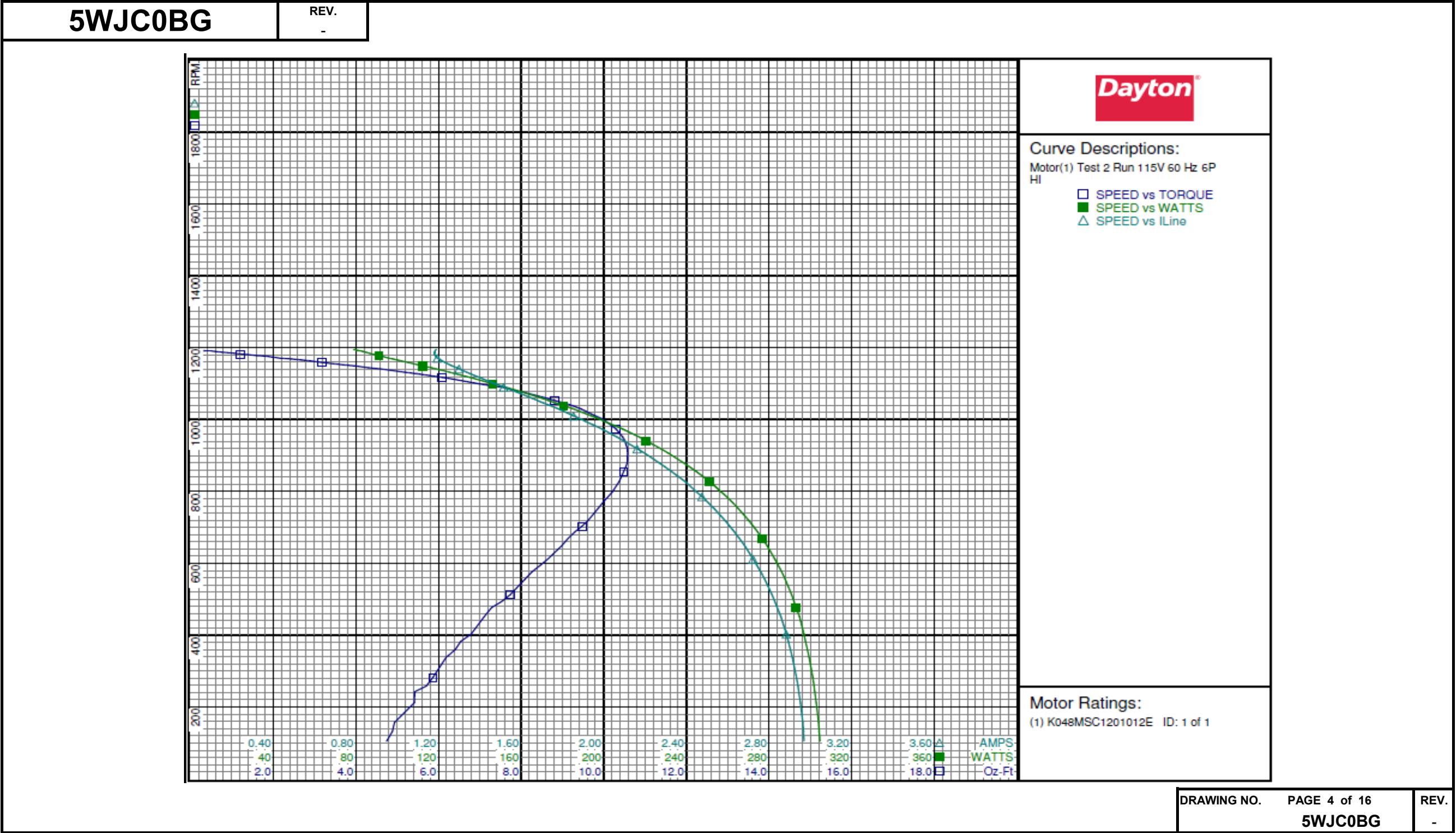
Test Type: Run
Test Number: 2
Poles: 6
Volts: 115
Hz: 60
Rotation:
Special Cond:
Speed Conn: HI
TestBoard: CMD InLine Three Phase #1 Fixture #1
Environment: 24.3 Deg C 39 % RH 965 hPa
Tested: 9/2/2019 3:12:43 PM
Tested By: Navarro, Susana
Bearing Friction: -0.51 Oz-Ft
Windage Torque: -0.68 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
	115.0	223.7	278.9	1.189	79.2	1195	0.000	0.000	0.0	57.9
	115.0	222.4	276.6	1.183	82.1	1191	0.367	0.005	4.7	60.4
	115.0	221.2	274.6	1.181	84.7	1187	0.751	0.011	9.3	62.4
	115.0	219.6	271.5	1.181	89.0	1181	1.383	0.019	16.3	65.6
	115.0	216.9	266.5	1.195	96.0	1171	2.171	0.030	23.5	69.9
	115.0	214.8	262.6	1.217	102.1	1163	2.914	0.040	29.5	72.9
	115.0	211.3	256.3	1.265	112.2	1149	3.983	0.054	36.2	77.1
	115.0	205.7	248.1	1.336	125.4	1131	5.181	0.070	41.5	81.6
	115.0	200.7	241.8	1.398	135.3	1117	6.095	0.081	44.7	84.1
	115.0	192.2	231.5	1.500	150.1	1094	7.279	0.095	47.1	87.0
0.1 HP	115.0	188.5	227.4	1.546	156.3	1083	7.755	0.100	47.7	87.9
7.81 OZ-FT	115.0	188.0	226.8	1.553	157.2	1082	7.810	0.101	47.7	88.0
	115.0	185.9	224.4	1.578	160.5	1076	8.050	0.103	47.9	88.4
1050 RPM	115.0	176.9	214.8	1.690	174.5	1050	8.898	0.111	47.5	89.8
	115.0	175.5	213.4	1.707	176.7	1046	9.030	0.112	47.5	90.0
	115.0	163.8	201.7	1.854	193.8	1010	9.789	0.118	45.3	90.9
	115.0	155.8	194.4	1.953	204.9	983	10.182	0.119	43.4	91.2
	115.0	144.4	184.4	2.096	220.5	940	10.508	0.118	39.8	91.5
BDT OZ-FT	115.0	135.9	177.8	2.199	231.5	906	10.576	0.114	36.8	91.5
	115.0	135.9	177.8	2.199	231.5	906	10.576	0.114	36.8	91.5
	115.0	125.4	170.1	2.326	244.6	856	10.483	0.107	32.6	91.4
	115.0	114.9	163.5	2.450	256.9	798	10.204	0.097	28.1	91.2
	115.0	107.7	159.6	2.533	265.0	753	9.863	0.088	24.9	91.0
	115.0	98.6	155.3	2.631	274.4	687	9.304	0.076	20.7	90.7
	115.0	89.5	152.0	2.722	282.7	612	8.649	0.063	16.6	90.3
	115.0	83.7	150.4	2.779	287.8	555	8.087	0.053	13.8	90.1
	115.0	76.7	149.1	2.839	293.0	477	7.284	0.041	10.5	89.7
	115.0	69.7	148.6	2.893	297.6	382	6.536	0.030	7.5	89.5
	115.0	63.5	149.2	2.932	301.1	282	5.867	0.020	4.9	89.3
	115.0	60.0	150.0	2.951	302.8	212	5.415	0.014	3.4	89.2
	115.0	55.4	151.8	2.969	304.6	105	4.745	0.006	1.5	89.2

DRAWING NO. PAGE 3 of 16 REV.
5WJC0BG -

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

Performance Data



Performance Data



5WJC0BG

REV.

-

Dayton Manufacturing Company

Motor Description

Model: K048MSC1201012E
 Motor ID: 1 of 1
 Poles: 6
 Volts: 115
 Frequency: 60
 HP: 1/10
 Speed: 1050
 Phase: 1
 Protector: 7AM036 A5

Test Conditions

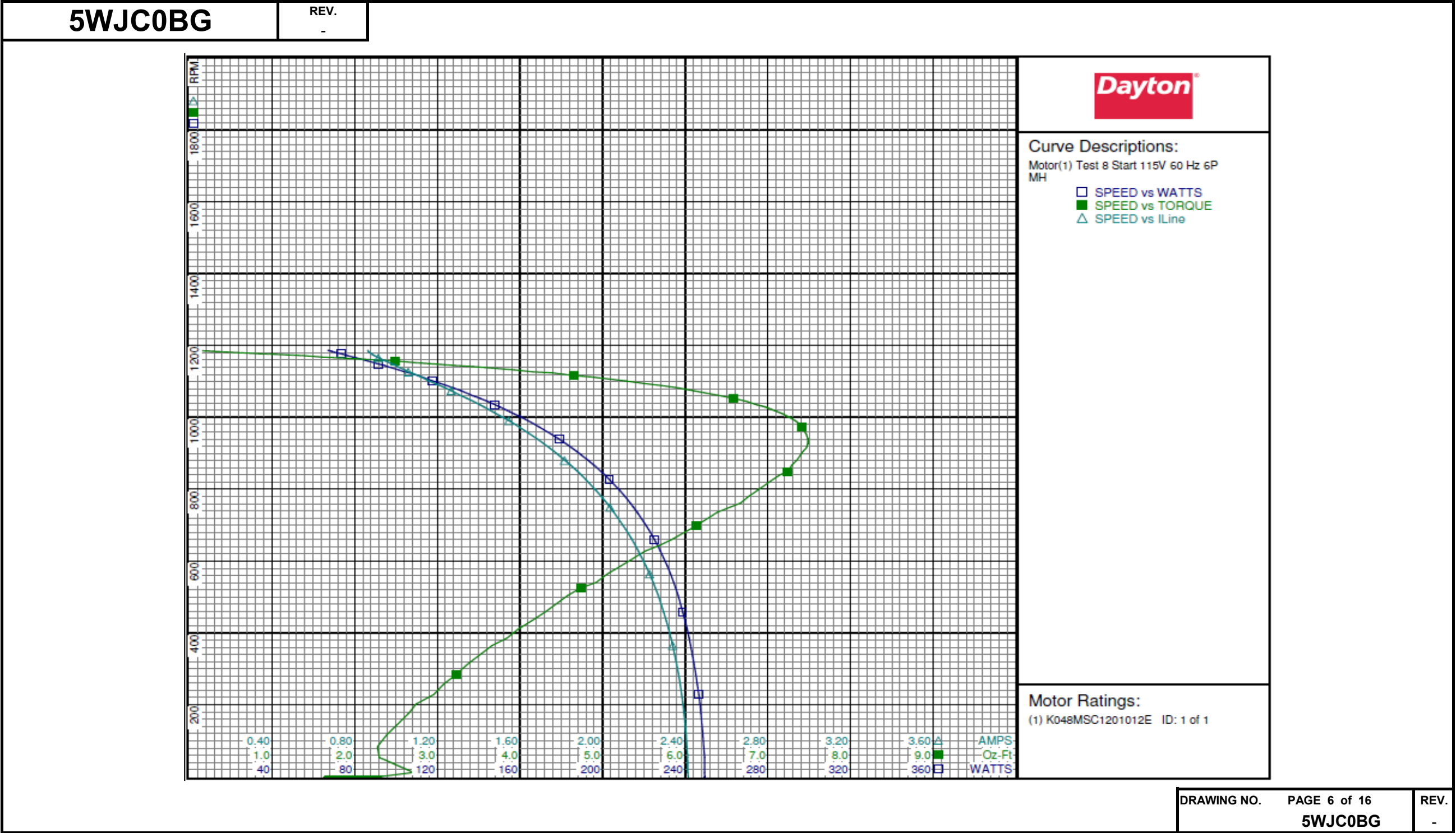
Test Type: Start
 Test Number: 8
 Poles: 6
 Volts: 115
 Hz: 60
 Rotation:
 Special Cond:
 Speed Conn: MH
 TestBoard: CMD InLine Three Phase #1 Fixture #1
 Environment: 24.3 Deg C 39 % RH 965 hPa
 Tested: 9/2/2019 2:59:55 PM
 Tested By: Navarro, Susana
 Bearing Friction: -0.57 Oz-Ft
 Windage Torque: -0.79 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
	115.0	48.0	145.8	2.413	249.4	0	2.328	0.000	0.0	89.8
	115.0	50.9	144.3	2.408	248.9	83	2.275	0.002	0.7	89.9
	115.0	55.4	142.4	2.389	247.0	202	2.743	0.007	2.0	89.9
	115.0	59.1	141.5	2.367	245.1	284	3.227	0.011	3.3	90.0
	115.0	64.4	141.1	2.330	241.9	385	3.843	0.018	5.4	90.2
	115.0	69.3	140.9	2.295	238.7	458	4.302	0.023	7.3	90.5
	115.0	75.4	142.2	2.244	234.4	540	4.922	0.032	10.1	90.8
	115.0	83.6	144.3	2.173	227.9	628	5.515	0.041	13.5	91.2
	115.0	89.0	146.2	2.121	223.1	679	5.988	0.048	16.2	91.5
	115.0	97.5	149.8	2.036	214.9	749	6.538	0.058	20.2	91.8
	115.0	104.1	153.1	1.968	208.3	796	6.871	0.065	23.3	92.0
	115.0	112.8	158.2	1.877	199.1	850	7.239	0.073	27.4	92.2
	115.0	123.4	165.4	1.763	187.2	906	7.426	0.080	31.9	92.4
	115.0	130.6	170.8	1.684	179.0	939	7.482	0.084	34.9	92.4
	115.0	140.7	179.1	1.574	166.9	981	7.381	0.086	38.5	92.2
	115.0	148.9	186.4	1.482	156.6	1011	7.165	0.086	41.1	91.9
	115.0	158.8	195.7	1.373	144.1	1044	6.735	0.084	43.3	91.3
	115.0	168.5	205.5	1.268	131.5	1074	6.096	0.078	44.2	90.2
	115.0	175.7	213.2	1.189	121.6	1094	5.508	0.072	44.0	88.9
	115.0	183.5	221.9	1.107	110.6	1116	4.658	0.062	41.7	86.9
	115.0	189.7	229.2	1.042	101.2	1132	3.928	0.053	39.0	84.4
	115.0	195.5	236.7	0.977	91.2	1149	2.953	0.040	33.0	81.2
	115.0	199.8	243.4	0.926	82.4	1163	2.019	0.028	25.3	77.4
	115.0	202.3	247.8	0.896	76.7	1171	1.392	0.019	18.9	74.5
	115.0	205.1	252.8	0.873	71.2	1179	0.637	0.009	9.4	70.9
	115.0	207.3	256.4	0.863	67.0	1187	0.000	0.000	0.0	67.6

DRAWING NO. PAGE 5 of 16 REV.
 5WJC0BG -

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

Performance Data



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

Performance Data



5WJC0BG

REV.

-

Dayton Manufacturing Company

Motor Description

Model: K048MSC1201012E
Motor ID: 1 of 1
Poles: 6
Volts: 115
Frequency: 60
HP: 1/10
Speed: 1050
Phase: 1
Protector: 7AM036 A5

Test Conditions

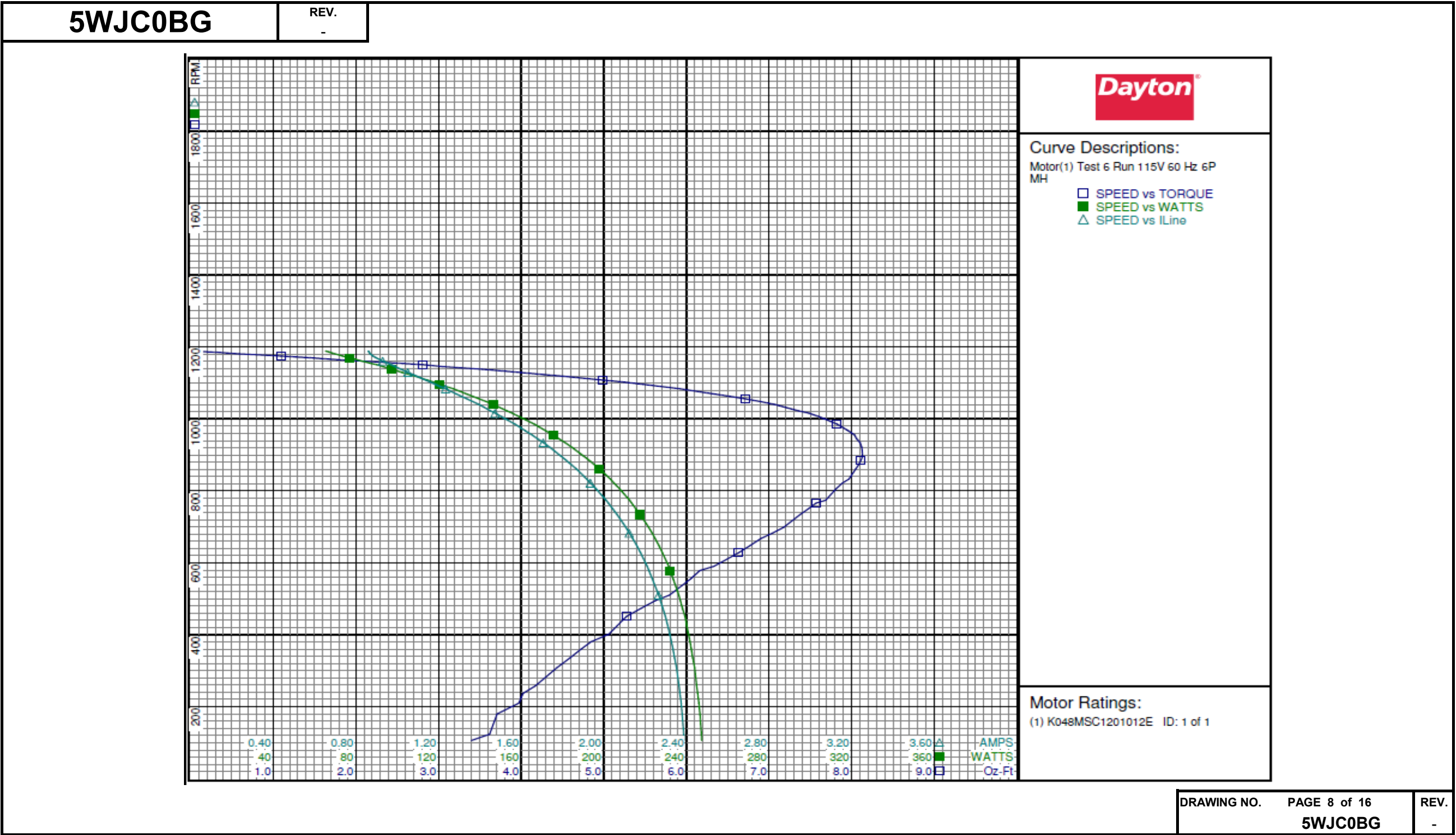
Test Type: Run
Test Number: 6
Poles: 6
Volts: 115
Hz: 60
Rotation:
Special Cond:
Speed Conn: MH
TestBoard: CMD InLine Three Phase #1
Environment: 24.3 Deg C 39 % RH 965 hPa
Tested: 9/2/2019 3:09:15 PM
Tested By: Navarro, Susana
Bearing Friction: -0.52 Oz-Ft
Windage Torque: -0.68 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
	115.0	207.9	257.5	0.860	65.3	1188	0.000	0.000	0.0	66.0
	115.0	207.0	256.2	0.863	66.7	1186	0.196	0.003	3.1	67.2
	115.0	206.2	254.7	0.866	68.5	1183	0.441	0.006	6.8	68.7
	115.0	204.0	250.9	0.879	72.6	1177	0.949	0.013	13.7	71.8
	115.0	202.8	248.6	0.891	75.5	1172	1.280	0.018	17.6	73.7
	115.0	200.7	244.9	0.913	79.8	1166	1.690	0.023	21.9	76.0
	115.0	198.2	240.6	0.946	85.6	1157	2.350	0.032	28.2	78.6
	115.0	196.0	237.4	0.973	90.0	1150	2.811	0.039	31.9	80.5
	115.0	192.0	231.9	1.018	97.4	1138	3.531	0.048	36.6	83.2
	115.0	189.0	228.1	1.052	102.5	1129	3.993	0.054	39.1	84.7
	115.0	184.9	223.3	1.096	108.8	1118	4.512	0.060	41.2	86.4
	115.0	179.0	216.5	1.159	117.5	1102	5.234	0.069	43.6	88.1
	115.0	174.6	211.8	1.207	123.6	1090	5.690	0.074	44.5	89.1
	115.0	167.4	204.0	1.285	133.5	1069	6.328	0.081	45.0	90.3
	115.0	162.8	199.4	1.337	139.7	1056	6.711	0.084	45.0	90.8
1050 RPM	115.0	160.9	197.5	1.358	142.1	1050	6.844	0.086	44.9	91.0
	115.0	157.6	194.2	1.395	146.6	1040	7.069	0.088	44.5	91.3
	115.0	150.4	187.4	1.474	155.7	1016	7.482	0.090	43.4	91.8
	115.0	145.1	182.6	1.535	162.5	996	7.710	0.091	42.0	92.0
7.81 OZ-FT	115.0	142.3	180.2	1.566	165.9	987	7.810	0.092	41.3	92.1
	115.0	137.3	175.8	1.622	172.1	966	7.963	0.092	39.7	92.3
	115.0	132.2	171.7	1.677	178.1	945	8.057	0.091	38.0	92.3
	115.0	126.7	167.5	1.739	184.6	921	8.122	0.089	36.0	92.3
BDT OZ-FT	115.0	121.9	164.0	1.792	190.2	896	8.130	0.087	34.0	92.3
	115.0	119.6	162.4	1.816	192.7	886	8.112	0.086	33.1	92.3
	115.0	114.7	159.2	1.868	198.0	861	8.048	0.082	31.1	92.2
	115.0	108.3	155.2	1.935	204.9	822	7.888	0.077	28.1	92.1
	115.0	101.0	151.2	2.011	212.5	773	7.684	0.071	24.8	91.9
	115.0	97.6	149.6	2.042	215.5	750	7.475	0.067	23.1	91.8
	115.0	91.3	146.9	2.106	221.7	698	7.177	0.060	20.1	91.5
	115.0	87.7	145.5	2.139	224.8	667	6.900	0.055	18.2	91.4
	115.0	83.6	144.2	2.177	228.3	628	6.632	0.050	16.2	91.2
	115.0	78.9	142.9	2.218	232.1	578	6.161	0.042	13.6	91.0
	115.0	73.0	141.6	2.265	236.3	510	5.795	0.035	11.1	90.7
	115.0	70.4	141.2	2.285	238.0	474	5.455	0.031	9.6	90.6
	115.0	65.3	140.9	2.319	241.0	401	5.058	0.024	7.5	90.4
	115.0	63.0	140.9	2.334	242.3	360	4.724	0.020	6.2	90.3
	115.0	60.3	141.6	2.352	244.0	308	4.430	0.016	5.0	90.2
	115.0	57.1	141.8	2.368	245.4	237	4.022	0.011	3.4	90.1
	115.0	54.7	142.6	2.379	246.5	180	3.708	0.008	2.4	90.1
	115.0	51.9	143.7	2.388	247.4	106	3.400	0.004	1.3	90.1

DRAWING NO. PAGE 7 of 16 REV.
5WJC0BG -

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

Performance Data



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

Performance Data



5WJC0BG

REV.

-

Dayton Manufacturing Company

Motor Description

Model: K048MSC1201012E
Motor ID: 1 of 1
Poles: 6
Volts: 115
Frequency: 60
HP: 1/10
Speed: 1050
Phase: 1
Protector: 7AM036 A5

Test Conditions

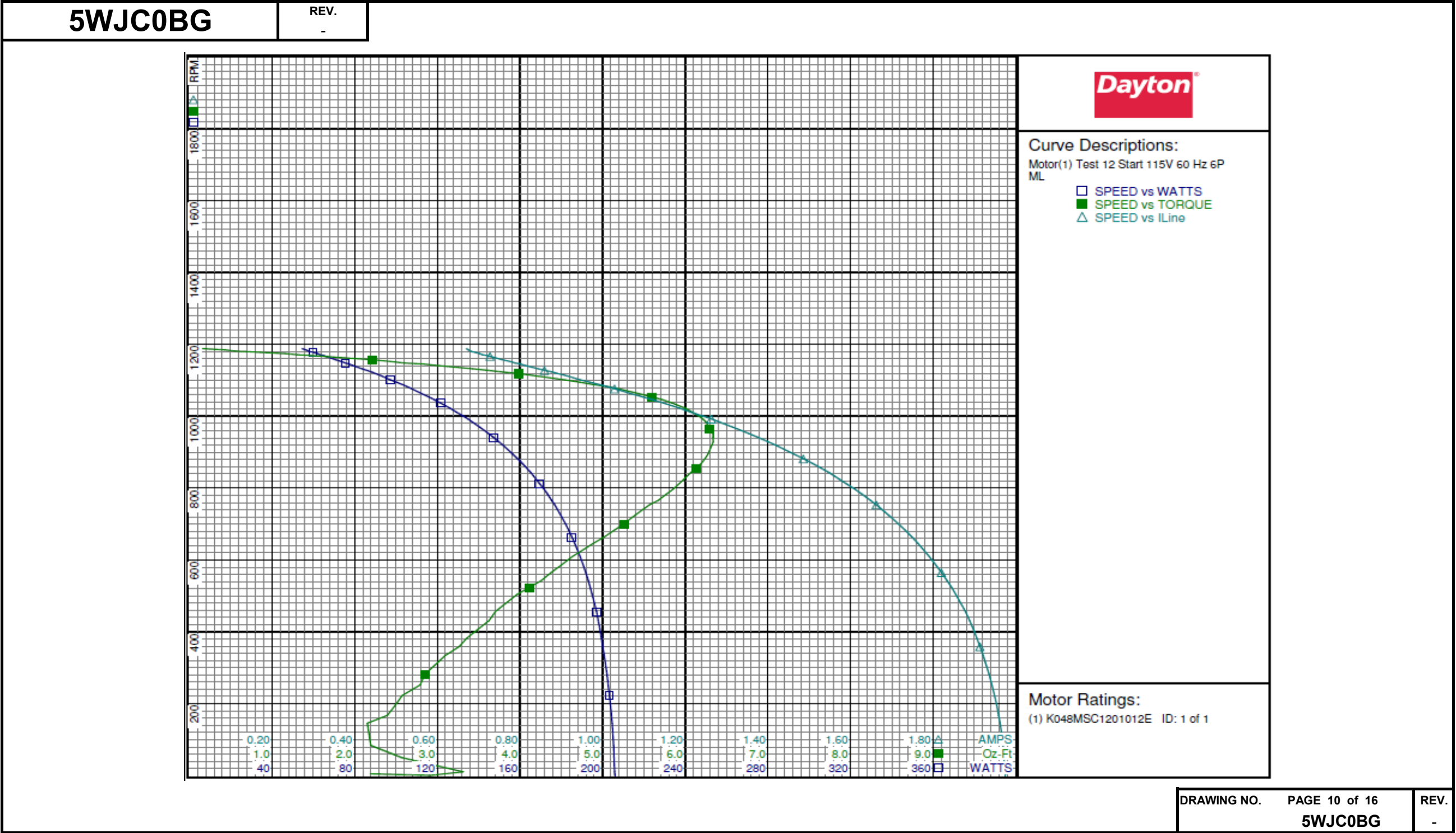
Test Type: Start
Test Number: 12
Poles: 6
Volts: 115
Hz: 60
Rotation:
Special Cond:
Speed Conn: ML
TestBoard: CMD InLine Three Phase #1 Fixture #1
Environment: 22.9 Deg C 41 % RH 964 hPa
Tested: 9/2/2019 3:27:30 PM
Tested By: Navarro, Susana
Bearing Friction: -0.75 Oz-Ft
Windage Torque: -0.88 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
	115.0	46.4	138.6	1.974	205.9	0	2.919	0.000	0.0	90.7
	115.0	49.0	137.4	1.969	205.3	84	2.193	0.002	0.8	90.7
PUT OZ-FT	115.0	51.1	136.8	1.962	204.6	145	2.153	0.004	1.4	90.7
	115.0	52.9	135.9	1.953	203.8	197	2.495	0.006	2.1	90.7
	115.0	56.1	135.2	1.935	202.1	281	2.848	0.010	3.5	90.8
	115.0	60.9	134.6	1.905	199.4	381	3.353	0.015	5.7	91.0
	115.0	65.2	135.1	1.877	197.0	457	3.704	0.020	7.6	91.2
	115.0	71.2	135.8	1.834	193.0	542	4.254	0.027	10.6	91.6
	115.0	76.6	137.1	1.791	189.1	609	4.631	0.034	13.2	91.8
	115.0	83.6	139.4	1.732	183.6	682	5.137	0.042	16.9	92.2
	115.0	91.5	142.6	1.662	176.8	753	5.564	0.050	21.0	92.5
	115.0	97.3	145.3	1.609	171.5	798	5.857	0.056	24.2	92.7
	115.0	105.9	150.2	1.528	163.2	856	6.130	0.062	28.5	92.9
	115.0	112.7	154.5	1.462	156.4	895	6.275	0.067	31.9	93.0
	115.0	121.6	160.9	1.375	147.1	941	6.333	0.071	36.0	93.0
	115.0	131.1	168.5	1.282	136.9	984	6.250	0.073	39.9	92.8
	115.0	138.0	174.4	1.213	129.2	1011	6.084	0.073	42.3	92.6
	115.0	147.4	183.1	1.121	118.5	1046	5.722	0.071	44.8	92.0
	115.0	156.7	192.2	1.029	107.6	1076	5.194	0.067	46.1	90.9
	115.0	162.8	198.5	0.970	100.3	1094	4.726	0.062	45.8	89.9
	115.0	171.1	207.5	0.891	90.0	1119	3.989	0.053	44.0	87.8
	115.0	176.0	213.1	0.844	83.5	1132	3.425	0.046	41.2	86.0
	115.0	181.7	219.9	0.788	75.6	1148	2.606	0.036	35.1	83.4
	115.0	186.4	226.7	0.739	67.9	1163	1.839	0.025	28.0	79.9
	115.0	189.0	231.2	0.709	63.2	1171	1.308	0.018	21.5	77.5
	115.0	192.2	236.6	0.683	58.3	1180	0.681	0.010	12.2	74.2
	115.0	194.8	240.8	0.670	54.5	1188	0.153	0.002	3.0	70.7

DRAWING NO. PAGE 9 of 16 REV.
5WJC0BG -

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

Performance Data



Performance Data



5WJC0BG

REV.

-

Dayton Manufacturing Company

Motor Description

Model: K048MSC1201012E
Motor ID: 1 of 1
Poles: 6
Volts: 115
Frequency: 60
HP: 1/10
Speed: 1050
Phase: 1
Protector: 7AM036 A5

Test Conditions

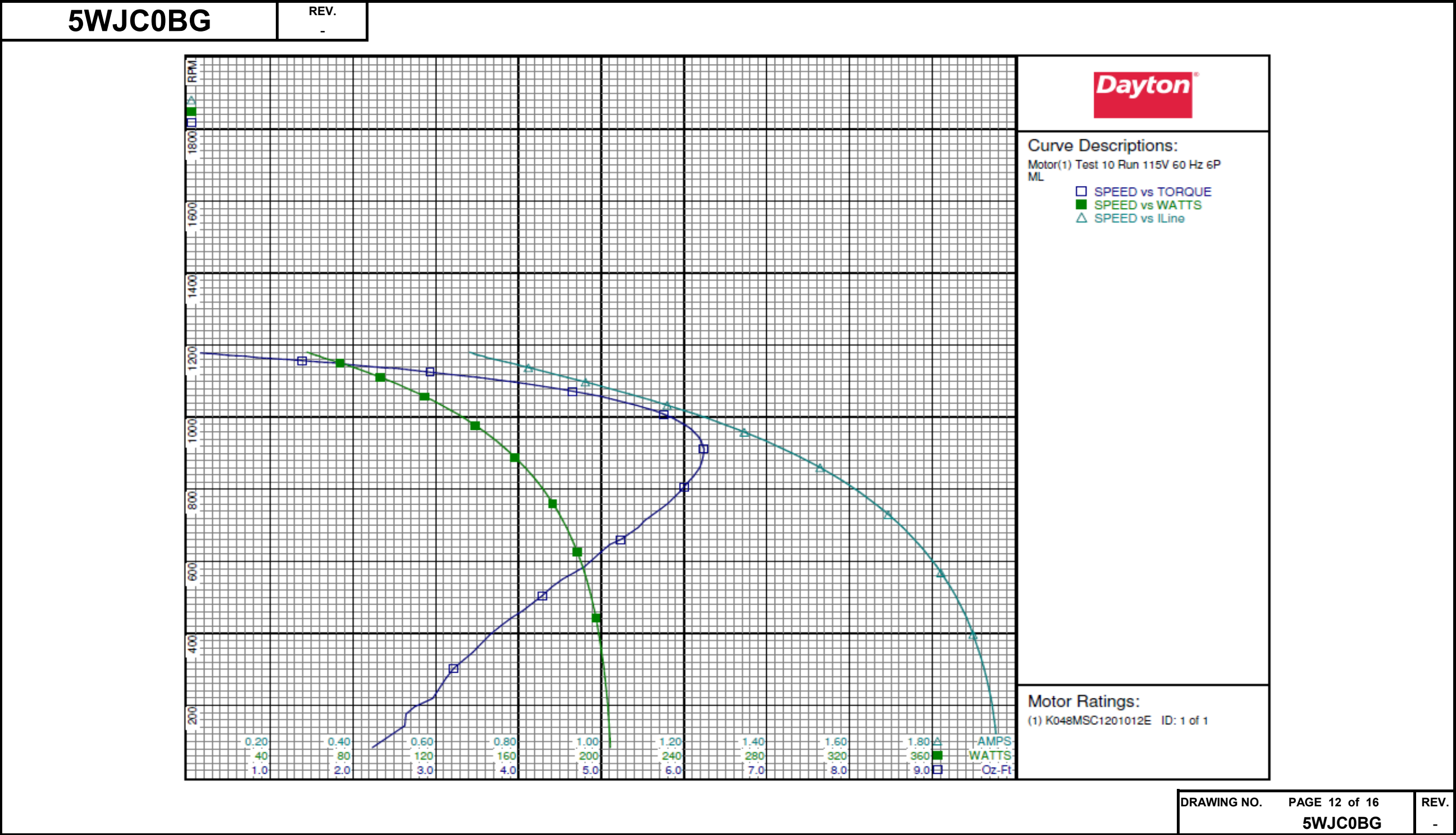
Test Type: Run
Test Number: 10
Poles: 6
Volts: 115
Hz: 60
Rotation:
Special Cond:
Speed Conn: ML
TestBoard: CMD InLine Three Phase #1 Fixture #1
Environment: 22.9 Deg C 41 % RH 964 hPa
Tested: 9/2/2019 3:26:00 PM
Tested By: Navarro, Susana
Bearing Friction: -0.95 Oz-Ft
Windage Torque: -1.08 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
	115.0	192.2	236.7	0.682	57.8	1181	0.000	0.000	0.0	73.7
	115.0	190.7	234.1	0.693	60.2	1175	0.337	0.005	5.9	75.5
	115.0	188.3	230.2	0.714	63.7	1169	0.690	0.010	11.2	77.6
	115.0	185.7	225.7	0.743	68.3	1160	1.206	0.017	18.2	80.0
	115.0	183.6	222.3	0.769	72.3	1154	1.572	0.022	22.3	81.7
	115.0	181.1	218.9	0.796	76.4	1146	1.947	0.027	25.9	83.4
	115.0	177.3	214.3	0.835	82.0	1135	2.551	0.034	31.4	85.4
	115.0	173.8	210.2	0.869	86.8	1125	2.933	0.039	33.7	86.9
	115.0	168.6	204.4	0.918	93.4	1110	3.519	0.047	37.1	88.5
	115.0	164.2	199.6	0.962	99.1	1098	3.943	0.052	38.8	89.6
	115.0	158.0	193.1	1.022	106.6	1079	4.487	0.058	40.3	90.7
	115.0	153.3	188.5	1.068	112.1	1064	4.838	0.061	40.8	91.3
1050 RPM	115.0	149.0	184.2	1.112	117.3	1050	5.127	0.064	40.7	91.8
	115.0	148.4	183.6	1.118	118.1	1048	5.161	0.064	40.7	91.8
	115.0	141.7	177.4	1.184	125.7	1024	5.551	0.068	40.2	92.3
	115.0	137.1	173.3	1.230	130.9	1007	5.762	0.069	39.4	92.5
	115.0	129.7	167.0	1.303	139.1	977	6.022	0.070	37.6	92.8
	115.0	125.5	163.6	1.346	143.8	959	6.120	0.070	36.2	92.9
	115.0	120.4	159.8	1.396	149.1	935	6.203	0.069	34.5	92.9
BDT OZ-FT	115.0	115.9	156.4	1.440	153.9	911	6.241	0.068	32.8	92.9
	115.0	113.8	155.0	1.460	156.0	900	6.236	0.067	32.0	92.9
	115.0	109.3	152.0	1.505	160.7	875	6.211	0.065	30.0	92.8
	115.0	102.7	148.0	1.567	167.1	835	6.110	0.061	27.1	92.7
	115.0	98.7	145.9	1.604	170.9	807	6.003	0.058	25.2	92.6
	115.0	92.6	142.8	1.660	176.5	760	5.804	0.053	22.2	92.5
	115.0	88.9	141.2	1.694	179.8	730	5.623	0.049	20.3	92.3
	115.0	84.9	139.6	1.729	183.2	694	5.446	0.045	18.3	92.1
	115.0	80.2	138.0	1.768	186.9	646	5.102	0.039	15.7	92.0
	115.0	74.7	136.5	1.811	191.0	585	4.798	0.033	13.1	91.7
	115.0	71.9	135.8	1.831	192.8	550	4.532	0.030	11.5	91.6
	115.0	68.5	135.2	1.855	195.0	505	4.291	0.026	9.9	91.4
	115.0	64.4	135.0	1.882	197.5	444	3.922	0.021	7.8	91.2
	115.0	61.6	134.5	1.898	198.8	397	3.658	0.017	6.5	91.1
	115.0	58.1	134.7	1.919	200.7	326	3.341	0.013	4.8	90.9
	115.0	56.0	135.0	1.931	201.8	275	3.125	0.010	3.8	90.9
	115.0	52.9	135.8	1.945	203.1	196	2.742	0.006	2.3	90.8
	115.0	50.9	136.5	1.951	203.8	143	2.627	0.004	1.6	90.8

DRAWING NO. PAGE 11 of 16 REV.
5WJC0BG -

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

Performance Data



Performance Data



5WJC0BG

REV.

-

Dayton Manufacturing Company

Motor Description

Model: K048MSC1201012E
Motor ID: 1 of 1
Poles: 6
Volts: 115
Frequency: 60
HP: 1/10
Speed: 1050
Phase: 1
Protector: 7AM036 A5

Test Conditions

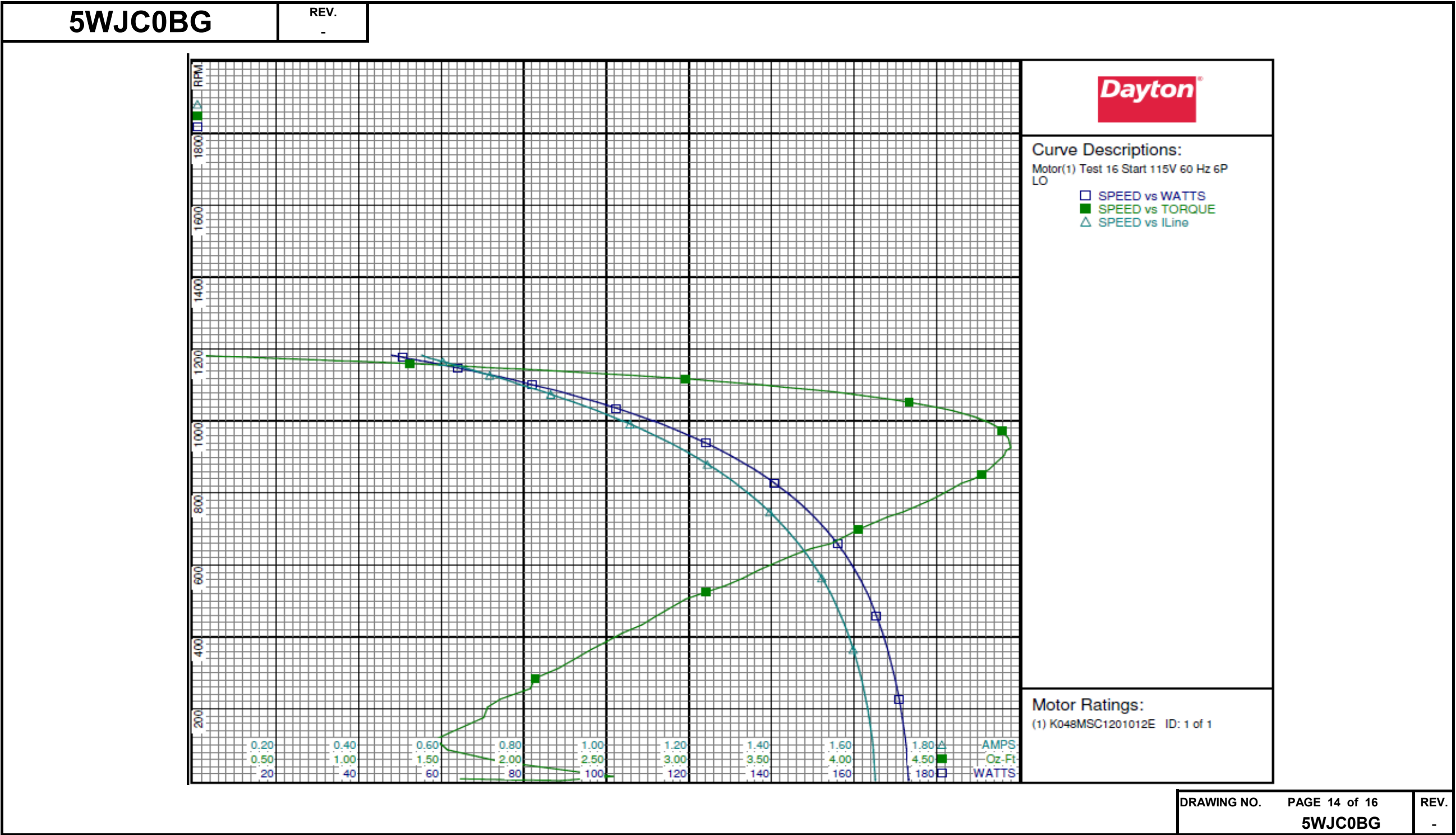
Test Type: Start
Test Number: 16
Poles: 6
Volts: 115
Hz: 60
Rotation:
Special Cond:
Speed Conn: LO
TestBoard: CMD InLine Three Phase #1 Fixture #1
Environment: 22.9 Deg C 41 % RH 964 hPa
Tested: 9/2/2019 3:37:15 PM
Tested By: Navarro, Susana
Bearing Friction: -0.83 Oz-Ft
Windage Torque: -1.00 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
	115.0	45.1	132.7	1.651	173.15	0	2.224	0.000	0.0	91.2
	115.0	46.3	132.2	1.648	172.82	52	1.865	0.001	0.5	91.2
PUT OZ-FT	115.0	48.4	131.3	1.644	172.41	115	1.465	0.002	0.9	91.2
	115.0	48.4	131.3	1.644	172.41	115	1.465	0.002	0.9	91.2
	115.0	51.2	130.3	1.632	171.23	205	1.780	0.004	1.9	91.2
	115.0	53.0	129.9	1.623	170.38	256	2.039	0.006	2.7	91.3
	115.0	55.3	129.4	1.611	169.25	313	2.210	0.008	3.6	91.4
	115.0	58.4	129.2	1.592	167.52	386	2.496	0.011	5.1	91.5
	115.0	61.0	129.3	1.577	166.18	433	2.715	0.014	6.3	91.7
	115.0	65.3	129.9	1.550	163.81	505	2.978	0.018	8.2	91.9
	115.0	67.9	130.3	1.532	162.21	543	3.224	0.021	9.6	92.1
	115.0	71.1	131.0	1.510	160.14	586	3.426	0.024	11.1	92.2
	115.0	75.9	132.4	1.474	156.80	645	3.737	0.029	13.7	92.5
	115.0	78.9	133.3	1.451	154.62	678	3.940	0.032	15.3	92.6
	115.0	84.3	135.4	1.408	150.36	733	4.200	0.037	18.2	92.9
	115.0	87.6	136.8	1.380	147.60	763	4.377	0.040	20.1	93.0
	115.0	91.5	138.6	1.347	144.31	796	4.528	0.043	22.2	93.1
	115.0	97.1	141.6	1.300	139.43	838	4.720	0.047	25.2	93.3
	115.0	101.1	143.8	1.265	135.81	866	4.816	0.050	27.3	93.4
	115.0	107.2	147.8	1.211	130.07	904	4.906	0.053	30.3	93.4
	115.0	111.1	150.4	1.176	126.42	926	4.949	0.055	32.2	93.4
	115.0	115.9	153.8	1.133	121.74	951	4.934	0.056	34.2	93.4
	115.0	122.1	158.7	1.078	115.64	981	4.875	0.057	36.7	93.3
	115.0	126.5	162.3	1.039	111.26	1000	4.791	0.057	38.3	93.2
	115.0	133.3	168.2	0.977	104.19	1029	4.594	0.056	40.3	92.7
	115.0	137.3	171.8	0.942	100.15	1044	4.428	0.055	41.0	92.5
	115.0	141.7	175.9	0.902	95.49	1060	4.230	0.053	41.7	92.1
	115.0	147.8	182.0	0.848	88.93	1082	3.869	0.050	41.8	91.2
	115.0	151.7	185.8	0.813	84.73	1093	3.591	0.047	41.2	90.6
	115.0	157.3	191.7	0.765	78.53	1111	3.141	0.042	39.5	89.3
	115.0	160.8	195.4	0.735	74.59	1122	2.813	0.038	37.6	88.3
	115.0	164.0	199.1	0.706	70.75	1131	2.491	0.034	35.4	87.1
	115.0	168.6	204.5	0.666	65.08	1145	1.972	0.027	30.8	85.0
	115.0	171.0	207.5	0.643	61.84	1152	1.649	0.023	27.3	83.6
	115.0	174.1	211.8	0.614	57.61	1163	1.161	0.016	20.8	81.6
	115.0	175.9	214.8	0.594	54.83	1168	0.857	0.012	16.2	80.2
	115.0	178.5	219.2	0.570	51.19	1175	0.435	0.006	8.9	78.1
	115.0	179.9	221.4	0.560	49.66	1179	0.195	0.003	4.1	77.1
	115.0	181.3	223.8	0.552	47.91	1183	0.000	0.000	0.0	75.4

DRAWING NO. PAGE 13 of 16 REV.
5WJC0BG -

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

Performance Data



Performance Data



5WJC0BG

REV.

-

Dayton Manufacturing Company

Motor Description

Model: K048MSC1201012E
Motor ID: 1 of 1
Poles: 6
Volts: 115
Frequency: 60
HP: 1/10
Speed: 1050
Phase: 1
Protector: 7AM036 A5

Test Conditions

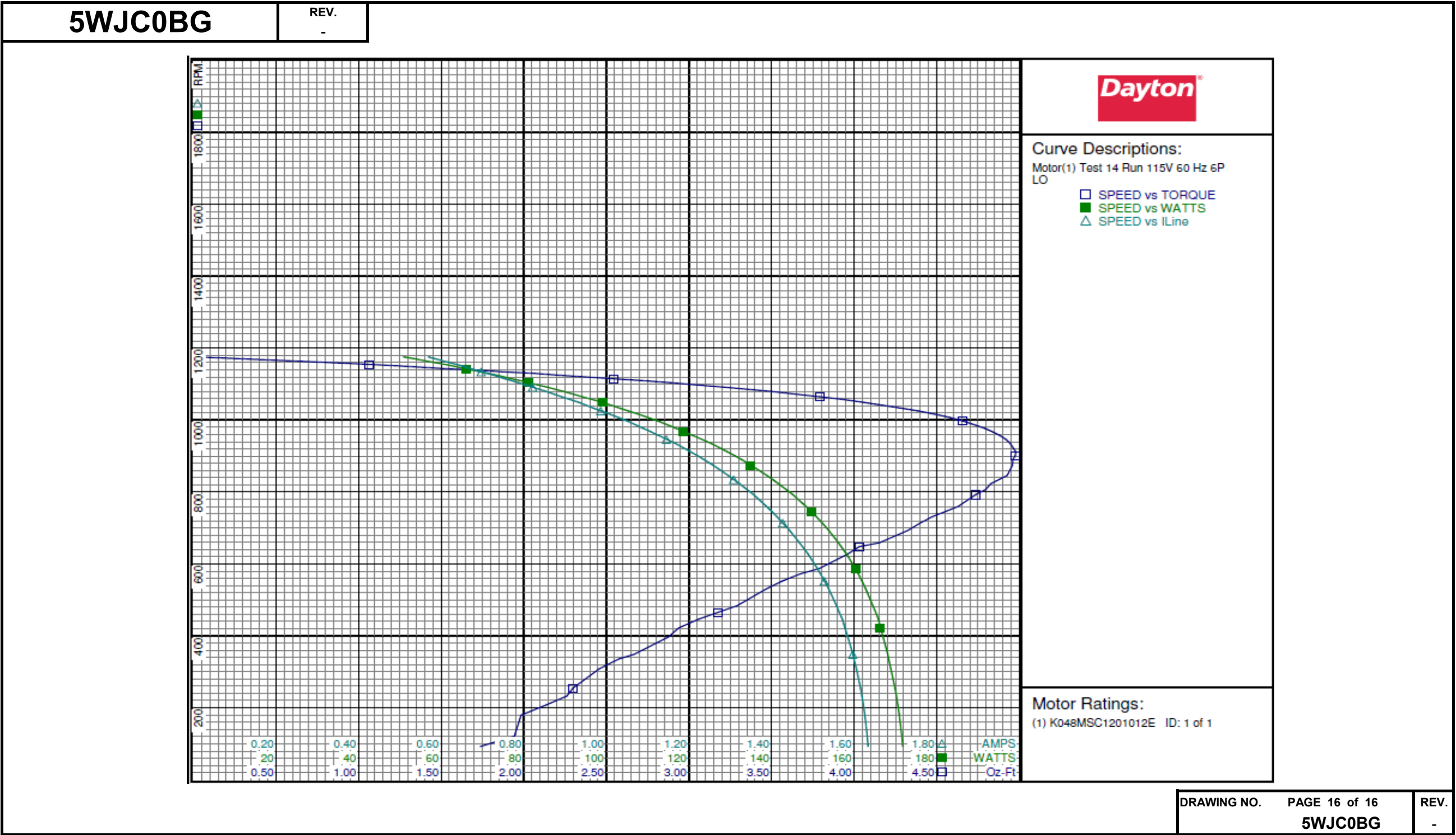
Test Type: Run
Test Number: 14
Poles: 6
Volts: 115
Hz: 60
Rotation:
Special Cond:
Speed Conn: LO
TestBoard: CMD InLine Three Phase #1
Environment: 22.9 Deg C 41 % RH 964 hPa
Tested: 9/2/2019 3:35:40 PM
Tested By: Navarro, Susana
Bearing Friction: -0.87 Oz-Ft
Windage Torque: -1.03 Oz-Ft

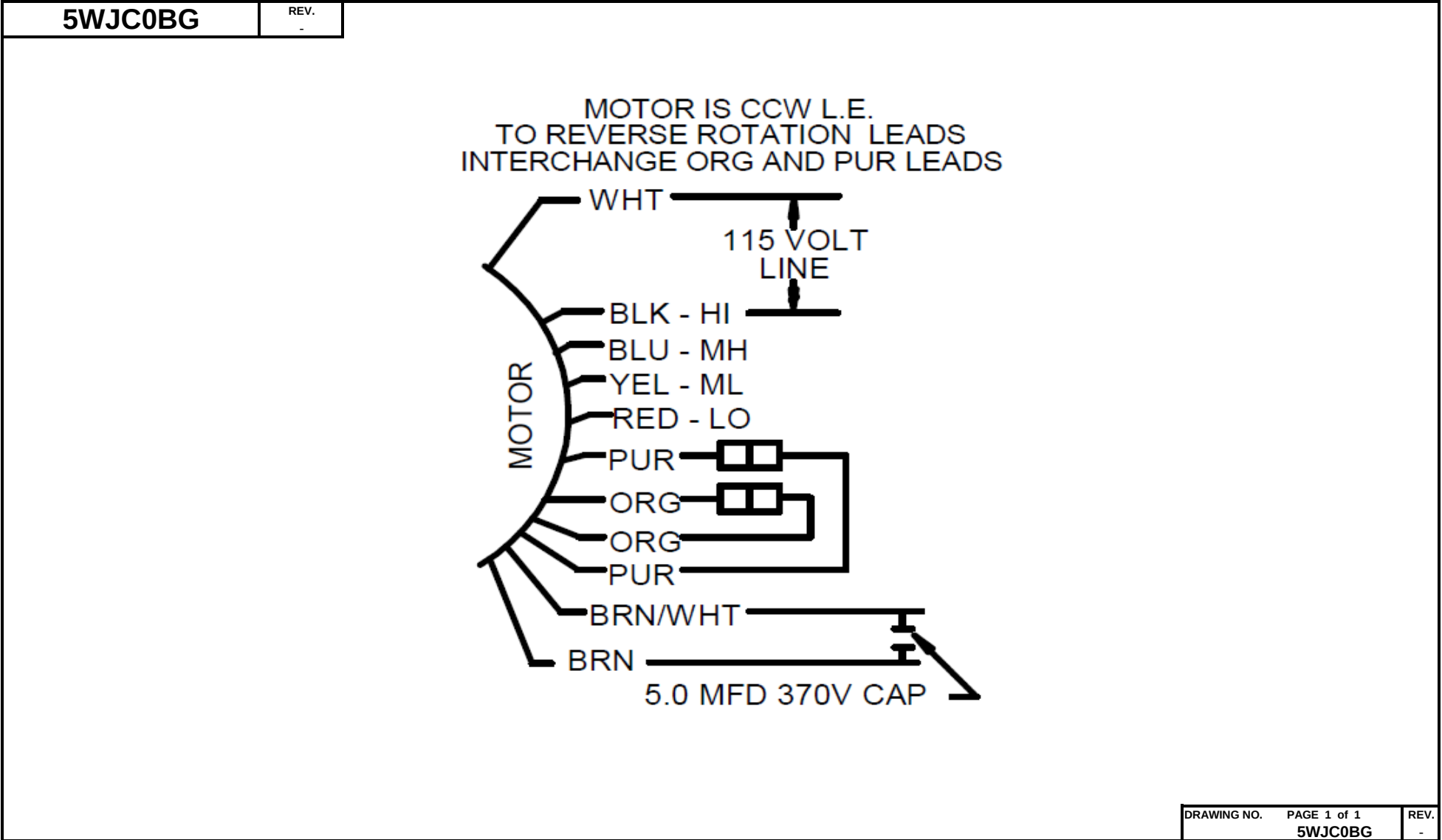
Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
	115.0	178.6	219.4	0.569	50.86	1176	0.000	0.000	0.0	77.7
	115.0	177.8	217.8	0.576	52.08	1173	0.148	0.002	3.0	78.6
	115.0	174.8	212.9	0.604	56.19	1164	0.598	0.008	11.0	80.8
	115.0	172.8	209.8	0.625	59.17	1158	0.905	0.012	15.7	82.3
	115.0	170.6	206.7	0.649	62.49	1151	1.220	0.017	20.0	83.8
	115.0	166.8	202.0	0.683	67.42	1139	1.709	0.023	25.6	85.8
	115.0	163.8	198.6	0.710	71.12	1130	2.047	0.028	28.9	87.1
	115.0	158.7	192.9	0.754	77.06	1114	2.545	0.034	32.7	88.9
	115.0	155.1	189.0	0.787	81.25	1103	2.886	0.038	34.8	89.8
	115.0	151.1	184.9	0.822	85.65	1091	3.212	0.042	36.3	90.6
	115.0	145.3	179.0	0.873	92.01	1071	3.648	0.047	37.7	91.6
	115.0	141.2	175.2	0.910	96.35	1057	3.925	0.049	38.3	92.1
1050 RPM	115.0	139.0	173.1	0.930	98.71	1050	4.040	0.050	38.2	92.3
	115.0	134.6	168.9	0.970	103.38	1032	4.291	0.053	38.1	92.7
	115.0	130.6	165.4	1.006	107.55	1017	4.480	0.054	37.6	92.9
	115.0	125.8	161.3	1.050	112.45	997	4.657	0.055	36.7	93.1
	115.0	119.6	156.3	1.106	118.71	968	4.833	0.056	35.0	93.3
	115.0	115.2	153.0	1.145	122.97	946	4.916	0.055	33.6	93.4
BDT OZ-FT	115.0	108.6	148.3	1.205	129.40	911	4.979	0.054	31.1	93.4
	115.0	108.6	148.3	1.205	129.40	911	4.979	0.054	31.1	93.4
	115.0	104.9	145.9	1.237	132.83	889	4.959	0.052	29.5	93.4
	115.0	98.3	141.9	1.295	138.88	846	4.925	0.050	26.6	93.3
	115.0	95.2	140.2	1.322	141.66	823	4.826	0.047	24.9	93.2
	115.0	91.2	138.2	1.356	145.09	792	4.735	0.045	23.0	93.1
	115.0	85.7	135.8	1.401	149.64	745	4.552	0.040	20.1	92.9
	115.0	82.4	134.4	1.427	152.25	713	4.398	0.037	18.3	92.8
	115.0	77.2	132.6	1.467	156.17	659	4.152	0.033	15.5	92.5
	115.0	74.4	131.9	1.488	158.13	627	3.961	0.030	13.9	92.4
	115.0	70.0	130.7	1.518	160.99	572	3.671	0.025	11.6	92.2
	115.0	67.1	130.1	1.538	162.80	530	3.465	0.022	10.0	92.0
	115.0	63.0	129.6	1.563	165.15	466	3.177	0.018	8.0	91.9
	115.0	60.5	129.2	1.577	166.34	422	2.937	0.015	6.6	91.7
	115.0	56.9	129.3	1.597	168.12	348	2.668	0.011	4.9	91.6
	115.0	55.1	129.3	1.605	168.85	308	2.456	0.009	4.0	91.5
	115.0	52.3	130.0	1.618	170.20	232	2.260	0.006	2.7	91.5
	115.0	50.6	130.5	1.626	170.89	179	1.983	0.004	1.8	91.4
	115.0	47.8	131.7	1.633	171.74	92	1.736	0.002	0.8	91.4

DRAWING NO. PAGE 15 of 16 REV.
5WJC0BG -

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

Performance Data





Dayton®

ROOM AIR CONDITIONER MOTOR

Part No
5WJC0BG



HP: 1/10

VOLTS: 115

AMPS: 1.62

RPM: 1050/4 SPD

DUTY: CONT

ENCL: OAO

THERMALLY PROTECTED: AUTO

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

MTR REF: K48HXMSC-1201

PH: 1

HZ: 60

FR: 42Y

INS CL: B

AMB: 60°C

EFF.

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

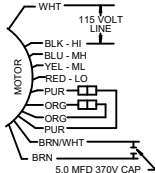


E37403



258501

MOTOR IS CCW I.E.
TO REVERSE ROTATION LEADS
INTERCHANGE ORG AND PUR LEADS



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

Made in Mexico