

# Dimensional Drawing

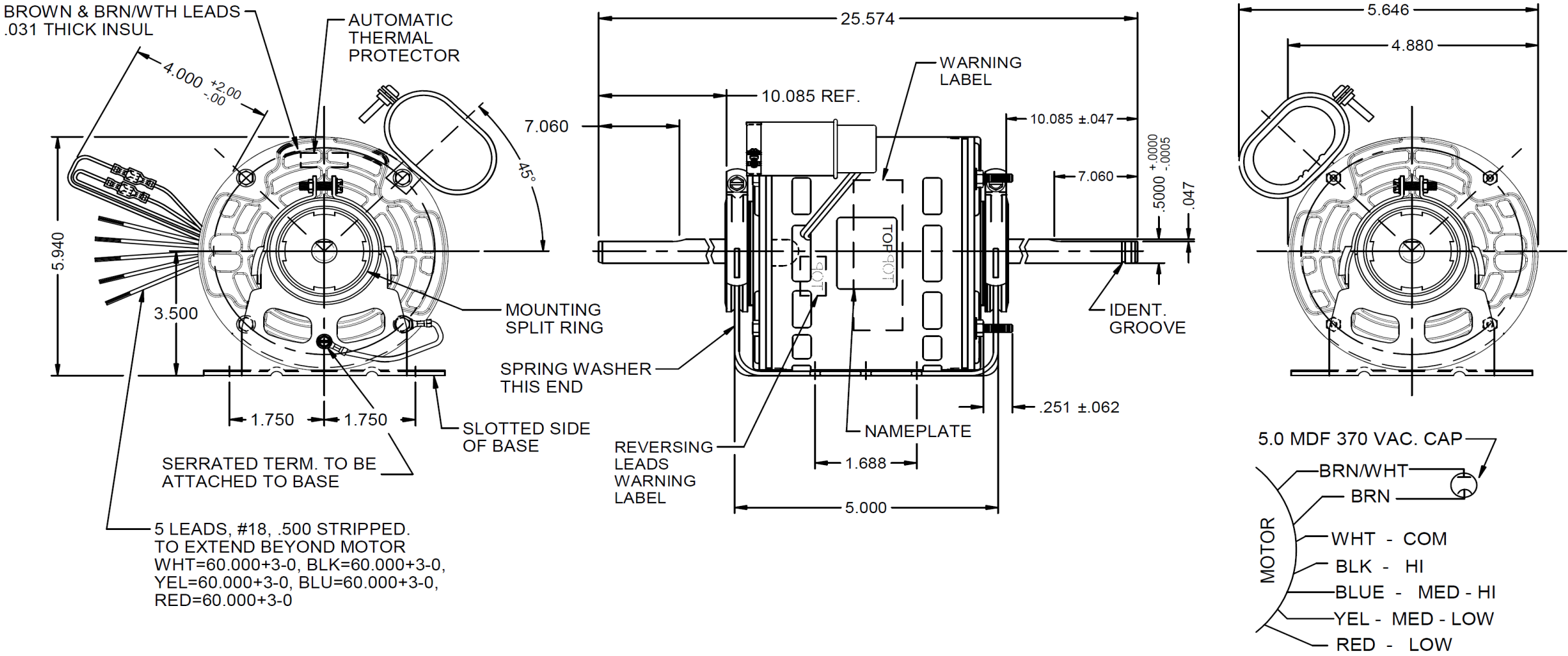


**5WJC1BG**

REV.  
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MODEL	REF	CUSTOMER	HP	VOLTS	AMPS	HZ	RPM	ROTATION	CUSTOMER PN	DESCRIPTION / REMARKS
K48HXMRB-1117	E42553	GRAINGER	1/10	115	1.7	60	1075 / 4 SPD	C.CW. LEAD END REV.	5WJC1BG	K48, BALL BEARING

NOTE:  
KIT WITH ADAPTER PLATE AND (4) NUTS  
TO BE INCLUDED IN PACKAGE.



MOTOR IS CONNECTED CCW LE  
TO REVERSE ROTATION  
INTERCHANGE PUR & ORG LEADS.

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**5WJC1BG**

REV.  
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## SHADED-POLE & PSC MOTOR PERFORMANCE

<b>HP:</b>	1/10							
<b>Poles:</b>	6							
<b>Ambient (°C):</b>	60							
<b>Altitude (FASL):</b>								
<b>No. of Speeds:</b>	4							
<b>HIGH SPEED</b>								
<b>Volts:</b>	115	<b>115</b>						
<b>HZ:</b>	60	<b>60</b>						
<b>Service Factor:</b>	1							
<b>Efficiency:</b>	@ Rated Load	42.60						
<b>Power Factor:</b>	@ Rated Load	89.10						
<b>Amps:</b>	@ No Load	1.25						
	@ Rated Load	1.71						
	@ Locked Rotor	2.90						
<b>RPM:</b>	@ Rated Load	1031.00						
<b>Torques:</b>	Breakdown	11.25						
	Locked Rotor	6.10						
	Pull-Up	6.10						
	Rated Load	8.15						
	Service Factor	8.15						
<b>Watts:</b>	Rated Load	175.00						
<b>Temperature Rise:</b>	@ Rated Load	N/A						
<b>Thermal Protector:</b>	Trip Temp (°C)	N/A						
<b>Winding Material:</b>	Start (Auxiliary)	Cu						
	Run (Main)	Cu						
<b>Capacitor(s):</b>	Run (MFD / Volts)	5 MFD / 370 V						
	No. of Run Capacitors	1						
<b>MEDIUM-HIGH SPEED</b>								
<b>HP:</b>	1/10							
<b>Volts:</b>	115	<b>115</b>						
<b>HZ:</b>	60	<b>60</b>						
<b>Efficiency:</b>	@ Rated Load	38.60						
<b>Power Factor:</b>	@ Rated Load	89.10						
<b>Amps:</b>	@ No Load	1.00						
	@ Rated Load	1.31						
	@ Locked Rotor	2.90						
<b>Torques:</b> <b>Oz.Ft. / Lb.In.</b> (Circle One)	Breakdown	9.41						
	Locked Rotor	6.10						
	Pull-Up	6.10						
	Rated Load	5.43						
<b>Watts:</b>	@ Rated Load	134.30						
<b>Temperature Rise:</b>	@ Rated Load	N/A						

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**5WJC1BG**

REV.  
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## SHADED-POLE & PSC MOTOR PERFORMANCE

### MEDIUM-LOW SPEED

<b>HP:</b>	1/10							
<b>Volts:</b>	115	<b>115</b>						
<b>HZ:</b>	60	<b>60</b>						
<b>Efficiency:</b>	@ Rated Load	36.50						
<b>Power Factor:</b>	@ Rated Load	89.30						
<b>Amps:</b>	@ No Load	0.83						
	@ Rated Load	1.13						
<b>Torques:</b> Oz.Ft. / Lb.In. (Circle One)	Breakdown	7.95						
	Locked Rotor	3.68						
	Pull-Up	3.68						
	Rated Load	4.46						
<b>Watts:</b>	Rated Load	116.50						
<b>Temperature Rise:</b>	@ Rated Load	N/A						
<b>Thermal Protector:</b>	Trip Temp (°C)	N/A						
	<b>Winding Material:</b>	Start (Auxiliary)					Cu	
	Run (Main)						Cu	

### LOW SPEED

<b>HP:</b>	1/10							
<b>Volts:</b>	115	<b>115</b>						
<b>HZ:</b>	60	<b>60</b>						
<b>Efficiency:</b>	@ Rated Load	34.80						
<b>Power Factor:</b>	@ Rated Load	89.60						
<b>Amps:</b>	@ No Load	0.72						
	@ Rated Load	0.99						
<b>Torques:</b> Oz.Ft. / Lb.In. (Circle One)	Breakdown	6.89						
	Locked Rotor	3.68						
	Pull-Up	3.68						
	Rated Load	3.70						
<b>Watts:</b>	Rated Load	101.53						
<b>Temperature Rise:</b>	@ Rated Load	N/A						

Notes:

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# Performance Data



**5WJC1BG**

REV.

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## Dayton Manufacturing Company

### Motor Description

Model: K048MRB117701  
 Motor ID: 1/1  
 Poles: 6  
 Volts: 115  
 Frequency: 60  
 HP: 1/10  
 Speed: 1075  
 Phase: 1  
 Protector: 7AM036-A5

### Test Conditions

Test Type: Run  
 Test Number: 1  
 Poles: 6  
 Volts: 115  
 Hz: 60  
 Rotation:  
 Special Cond:  
 Speed Conn: M1  
 TestBoard: Amtps Performance Fixture #4  
 Run Cap: 0  
 Start Cap: 0µfd  
 Environment: 20.4 Deg C 51 % RH 1000 hPa  
 Tested: 9/26/2016 10:37:16 AM  
 Tested By: Sharp, Gerald  
 Gear Ratio: 1:1  
 Bearing Friction: -0.45 Oz-Ft  
 Windage Torque: -1.14 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	373.6	379.0	1.250	1.036	0.707	102.0	1183	0.000	0.000	0.0	71.0	5.0
	115.0	370.4	374.1	1.267	1.016	0.697	107.0	1172	0.694	0.010	6.7	73.5	4.9
	115.0	367.0	369.1	1.288	1.001	0.688	112.1	1164	1.319	0.018	12.2	75.7	4.9
	115.0	360.2	359.3	1.334	0.992	0.670	121.7	1148	2.531	0.035	21.2	79.3	4.9
	115.0	356.2	353.9	1.356	0.991	0.660	126.4	1138	3.088	0.042	24.7	81.1	4.9
	115.0	346.0	340.6	1.422	1.018	0.636	137.4	1119	4.365	0.058	31.6	84.0	5.0
	115.0	342.4	336.1	1.449	1.034	0.628	141.3	1112	4.778	0.063	33.4	84.8	5.0
	115.0	334.4	326.5	1.503	1.073	0.609	149.2	1095	5.678	0.074	37.0	86.3	5.0
	115.0	329.8	321.0	1.534	1.099	0.599	153.6	1084	6.144	0.079	38.5	87.1	5.0
<b>1075 RPM</b>	<b>115.0</b>	<b>325.1</b>	<b>315.5</b>	<b>1.567</b>	<b>1.129</b>	<b>0.589</b>	<b>157.9</b>	<b>1075</b>	<b>6.571</b>	<b>0.084</b>	<b>39.7</b>	<b>87.6</b>	<b>4.9</b>
	115.0	321.2	311.2	1.591	1.154	0.581	161.0	1066	6.886	0.087	40.5	88.0	4.9
	115.0	311.7	300.6	1.657	1.224	0.561	169.1	1046	7.647	0.095	42.0	88.8	4.9
<b>0.1 HP</b>	<b>115.0</b>	<b>304.1</b>	<b>292.3</b>	<b>1.707</b>	<b>1.280</b>	<b>0.546</b>	<b>175.0</b>	<b>1031</b>	<b>8.151</b>	<b>0.100</b>	<b>42.6</b>	<b>89.1</b>	<b>5.0</b>
	115.0	301.2	289.2	1.726	1.302	0.540	177.3	1024	8.363	0.102	42.9	89.3	4.9
	115.0	290.3	277.7	1.799	1.386	0.518	185.5	1000	8.995	0.107	43.1	89.7	5.0
	115.0	279.1	265.9	1.877	1.478	0.496	194.0	974	9.554	0.111	42.6	89.9	5.0
	115.0	267.6	254.4	1.955	1.573	0.475	202.4	945	10.076	0.113	41.8	90.0	4.9
	115.0	255.8	242.8	2.033	1.670	0.454	210.6	914	10.482	0.114	40.4	90.1	5.0
	115.0	243.2	230.8	2.115	1.773	0.431	218.8	880	10.828	0.113	38.7	90.0	5.0
	115.0	230.4	219.2	2.196	1.877	0.410	227.1	842	11.049	0.111	36.4	89.9	5.0
	115.0	217.7	208.1	2.275	1.979	0.389	234.7	803	11.182	0.107	34.0	89.7	5.0
	115.0	204.8	197.6	2.351	2.083	0.369	242.1	758	11.214	0.101	31.2	89.5	5.0
<b>BDT OZ-FT</b>	<b>115.0</b>	<b>198.1</b>	<b>193.1</b>	<b>2.397</b>	<b>2.141</b>	<b>0.361</b>	<b>246.4</b>	<b>732</b>	<b>11.247</b>	<b>0.098</b>	<b>29.7</b>	<b>89.4</b>	<b>5.0</b>
	115.0	192.9	188.9	2.428	2.182	0.353	249.3	711	11.183	0.095	28.3	89.3	5.0
	115.0	180.0	179.5	2.502	2.281	0.335	256.0	660	11.000	0.086	25.2	89.0	5.0
	115.0	167.5	171.0	2.569	2.372	0.320	262.2	606	10.732	0.077	22.0	88.7	5.0
	115.0	155.6	163.3	2.635	2.462	0.305	267.7	548	10.374	0.068	18.9	88.4	5.0
	115.0	143.3	156.5	2.693	2.544	0.292	272.2	485	9.930	0.057	15.7	87.9	5.0
	115.0	132.0	151.3	2.742	2.618	0.283	276.7	419	9.554	0.048	12.8	87.7	5.0
	115.0	121.5	148.2	2.787	2.685	0.277	280.6	348	9.193	0.038	10.1	87.6	5.0
	115.0	111.5	146.5	2.824	2.744	0.274	284.2	269	8.555	0.027	7.2	87.5	5.0
	115.0	102.2	146.1	2.853	2.793	0.274	286.8	190	8.036	0.018	4.7	87.4	5.0
	115.0	93.2	147.0	2.873	2.836	0.275	289.0	106	7.356	0.009	2.4	87.5	5.0

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

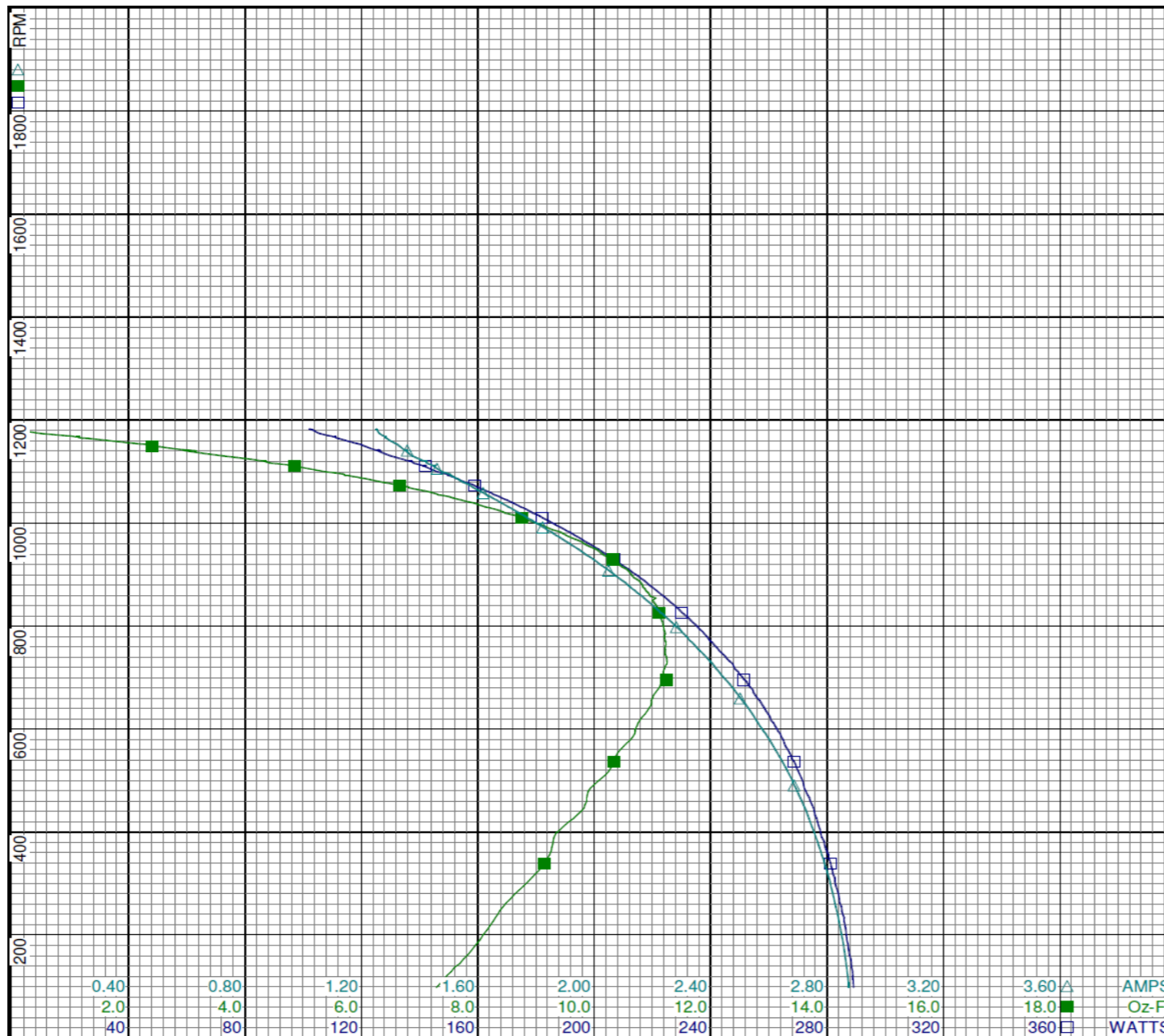
# Performance Data



5WJC1BG

REV.

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Curve Descriptions:

Motor(1) Test 1 Run 115V 60 Hz 6P M1

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

Motor Ratings:

(1) K048MRB117701 ID: 1/1

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

# Performance Data



**5WJC1BG**

REV.

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## Dayton Manufacturing Company

### Motor Description

Model: K048MRB117701  
 Motor ID: 1/1  
 Poles: 6  
 Volts: 115  
 Frequency: 60  
 HP: 1/10  
 Speed: 1075  
 Phase: 1  
 Protector: 7AM036-A5

### Test Conditions

Test Type: Run  
 Test Number: 2  
 Poles: 6  
 Volts: 115  
 Hz: 60  
 Rotation:  
 Special Cond:  
 Speed Conn: M2  
 TestBoard: Amtps Performance Fixture #4  
 Run Cap: 0  
 Start Cap: 0µfd  
 Environment: 20.4 Deg C 51 % RH 1000 hPa  
 Tested: 9/26/2016 10:44:42 AM  
 Tested By: Sharp, Gerald  
 Gear Ratio: 1:1  
 Bearing Friction: -0.49 Oz-Ft  
 Windage Torque: -1.15 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	355.6	351.4	0.998	0.710	0.657	89.6	1179	0.000	0.000	0.0	78.1	5.0
	115.0	351.1	344.6	1.036	0.701	0.643	96.1	1167	0.775	0.011	8.4	80.7	4.9
	115.0	345.7	337.5	1.069	0.701	0.629	101.6	1155	1.471	0.020	14.9	82.6	4.9
	115.0	339.9	329.6	1.110	0.711	0.615	107.9	1143	2.247	0.031	21.1	84.5	4.9
	115.0	332.5	320.5	1.154	0.735	0.598	114.1	1128	3.031	0.041	26.6	86.0	4.9
	115.0	325.4	311.8	1.189	0.769	0.581	119.2	1116	3.731	0.050	31.0	87.2	4.9
	115.0	318.8	304.0	1.231	0.804	0.567	124.6	1102	4.319	0.057	33.9	88.1	4.9
	115.0	311.3	295.4	1.276	0.849	0.551	130.0	1087	4.935	0.064	36.6	88.7	4.9
<b>1075 RPM</b>	<b>115.0</b>	<b>305.3</b>	<b>288.8</b>	<b>1.312</b>	<b>0.887</b>	<b>0.538</b>	<b>134.3</b>	<b>1075</b>	<b>5.425</b>	<b>0.069</b>	<b>38.6</b>	<b>89.1</b>	<b>4.9</b>
	115.0	303.6	286.7	1.323	0.900	0.535	135.6	1072	5.485	0.070	38.5	89.1	4.9
	115.0	295.2	277.6	1.375	0.958	0.518	141.5	1053	6.075	0.076	40.2	89.5	4.9
	115.0	286.4	268.4	1.428	1.020	0.500	147.5	1035	6.634	0.082	41.3	89.8	4.9
	115.0	277.1	258.6	1.486	1.090	0.482	153.9	1014	7.111	0.086	41.6	90.0	4.9
	115.0	267.8	249.1	1.543	1.160	0.465	159.8	992	7.607	0.090	41.9	90.1	5.0
	115.0	258.0	239.1	1.604	1.237	0.447	166.3	966	8.019	0.092	41.4	90.1	5.0
	115.0	248.1	229.3	1.663	1.313	0.429	172.3	941	8.396	0.094	40.7	90.1	5.0
	115.0	237.9	219.7	1.725	1.392	0.411	178.6	912	8.694	0.094	39.4	90.0	5.0
	115.0	227.6	210.3	1.787	1.472	0.393	184.8	882	8.955	0.094	37.9	89.9	5.0
	115.0	217.0	201.1	1.848	1.553	0.376	190.7	850	9.153	0.093	36.2	89.8	5.0
	115.0	206.2	191.9	1.909	1.634	0.359	196.7	814	9.279	0.090	34.1	89.6	5.0
<b>BDT OZ-FT</b>	<b>115.0</b>	<b>195.6</b>	<b>183.3</b>	<b>1.970</b>	<b>1.716</b>	<b>0.342</b>	<b>202.4</b>	<b>776</b>	<b>9.408</b>	<b>0.087</b>	<b>32.0</b>	<b>89.3</b>	<b>5.0</b>
	115.0	195.6	183.3	1.970	1.716	0.342	202.4	776	9.408	0.087	32.0	89.3	5.0
	115.0	185.1	175.2	2.030	1.795	0.327	208.1	734	9.316	0.081	29.2	89.2	5.0
	115.0	174.9	167.7	2.088	1.873	0.314	213.4	691	9.245	0.076	26.6	88.9	5.0
	115.0	164.5	160.7	2.143	1.948	0.300	218.2	644	9.093	0.070	23.8	88.6	5.0
	115.0	154.2	154.3	2.196	2.022	0.288	223.1	594	8.877	0.063	21.0	88.3	5.0
	115.0	143.7	147.5	2.245	2.091	0.275	226.9	541	8.616	0.056	18.3	87.9	5.0
	115.0	133.8	142.1	2.289	2.155	0.266	230.6	486	8.372	0.048	15.7	87.6	5.0
	115.0	123.9	137.9	2.327	2.212	0.258	233.8	427	8.048	0.041	13.1	87.4	5.0
	115.0	115.0	135.0	2.359	2.266	0.253	236.5	362	7.616	0.033	10.3	87.2	5.0
	115.0	106.6	133.8	2.390	2.314	0.250	239.5	296	7.434	0.026	8.2	87.1	5.0
	115.0	98.0	132.9	2.415	2.357	0.249	241.7	224	6.870	0.018	5.6	87.0	5.0
	115.0	90.1	133.6	2.435	2.394	0.250	243.6	151	6.366	0.011	3.5	87.0	5.0

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

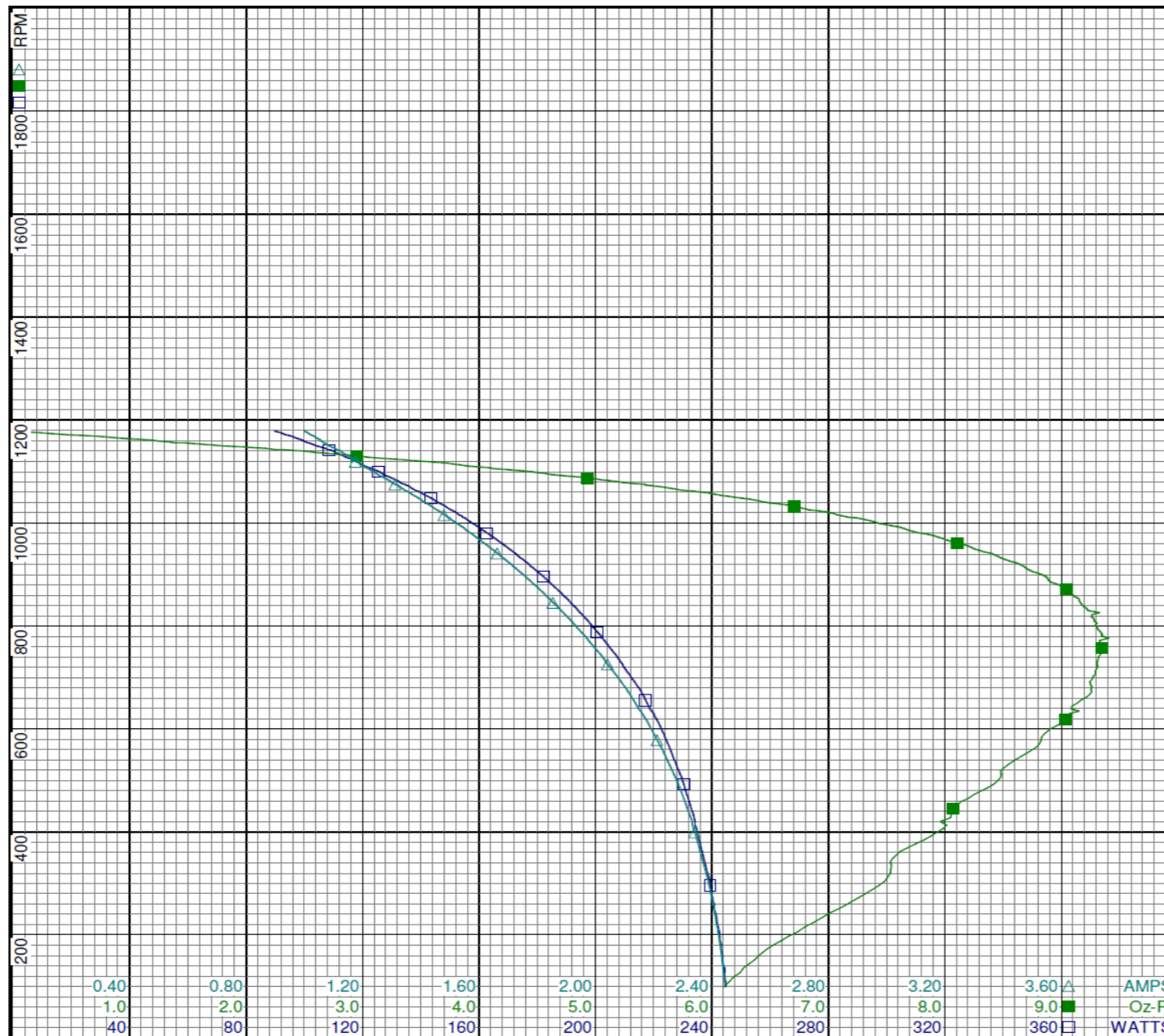
# Performance Data



**5WJC1BG**

REV.

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**Curve Descriptions:**

Motor(1) Test 2 Run 115V 60 Hz 6P M2

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

**Motor Ratings:**

(1) K048MRB117701 ID: 1/1

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	<b>5WJC1BG</b>	-

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

# Performance Data



**5WJC1BG**

REV.

-

## Dayton Manufacturing Company

### Motor Description

Model: K048MRB117701  
 Motor ID: 1/1  
 Poles: 6  
 Volts: 115  
 Frequency: 60  
 HP: 1/10  
 Speed: 1075  
 Phase: 1  
 Protector: 7AM036-A5

### Test Conditions

Test Type: Run  
 Test Number: 3  
 Poles: 6  
 Volts: 115  
 Hz: 60  
 Rotation:  
 Special Cond:  
 Speed Conn: M3  
 TestBoard: Amtps Performance Fixture #4  
 Run Cap: 0  
 Start Cap: 0µfd  
 Environment: 20.4 Deg C 51 % RH 1000 hPa  
 Tested: 9/26/2016 10:49:09 AM  
 Tested By: Sharp, Gerald  
 Gear Ratio: 1:1  
 Bearing Friction: -0.47 Oz-Ft  
 Windage Torque: -1.10 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	337.5	326.4	0.827	0.516	0.609	78.7	1174	0.000	0.000	0.0	82.7	4.9
	115.0	334.5	322.1	0.855	0.516	0.600	82.5	1167	0.333	0.005	4.2	83.9	4.9
	115.0	329.4	314.8	0.891	0.518	0.587	87.7	1157	0.987	0.014	11.6	85.5	4.9
	115.0	321.3	305.0	0.940	0.542	0.568	93.9	1141	1.852	0.025	20.0	86.8	4.9
	115.0	312.7	294.3	0.993	0.577	0.548	100.6	1124	2.664	0.036	26.4	88.1	4.9
	115.0	305.4	285.9	1.032	0.614	0.533	105.1	1110	3.202	0.042	30.0	88.5	4.9
	115.0	301.7	281.7	1.054	0.636	0.525	107.6	1103	3.488	0.046	31.8	88.7	4.9
	115.0	293.9	272.9	1.100	0.682	0.508	112.5	1087	4.050	0.052	34.8	89.0	4.9
<b>1075 RPM</b>	<b>115.0</b>	<b>287.9</b>	<b>266.2</b>	<b>1.134</b>	<b>0.721</b>	<b>0.496</b>	<b>116.5</b>	<b>1075</b>	<b>4.455</b>	<b>0.057</b>	<b>36.5</b>	<b>89.3</b>	<b>4.9</b>
	115.0	287.3	265.6	1.137	0.723	0.495	116.8	1074	4.497	0.057	36.7	89.3	4.9
	115.0	279.7	257.2	1.169	0.774	0.479	120.6	1057	4.969	0.063	38.7	89.7	4.9
	115.0	271.7	248.5	1.217	0.832	0.464	126.0	1038	5.454	0.067	39.9	90.0	5.0
	115.0	263.4	240.0	1.264	0.890	0.448	130.9	1019	5.903	0.072	40.8	90.1	5.0
	115.0	254.2	231.0	1.315	0.955	0.431	136.1	996	6.295	0.075	40.9	90.0	5.0
	115.0	245.3	222.0	1.366	1.021	0.414	141.5	972	6.700	0.078	40.9	90.0	5.0
	115.0	235.7	212.8	1.419	1.090	0.398	146.8	946	7.010	0.079	40.1	89.9	5.0
	115.0	226.1	204.0	1.471	1.159	0.381	152.0	918	7.302	0.080	39.2	89.8	5.0
	115.0	216.7	195.3	1.524	1.231	0.365	157.3	889	7.527	0.080	37.8	89.7	5.0
	115.0	206.6	186.7	1.579	1.304	0.349	162.5	856	7.708	0.079	36.1	89.5	5.0
	115.0	196.6	178.5	1.632	1.376	0.333	167.6	821	7.869	0.077	34.2	89.3	5.0
	115.0	186.6	170.3	1.684	1.447	0.318	172.5	784	7.941	0.074	32.0	89.1	4.9
<b>BDT OZ-FT</b>	<b>115.0</b>	<b>176.6</b>	<b>162.5</b>	<b>1.737</b>	<b>1.519</b>	<b>0.303</b>	<b>177.4</b>	<b>745</b>	<b>7.950</b>	<b>0.070</b>	<b>29.6</b>	<b>88.8</b>	<b>5.0</b>
	115.0	176.6	162.5	1.737	1.519	0.303	177.4	745	7.950	0.070	29.6	88.8	5.0
	115.0	166.9	155.3	1.786	1.587	0.290	181.9	703	7.888	0.066	27.1	88.5	5.0
	115.0	157.6	149.4	1.837	1.656	0.279	186.4	656	7.832	0.061	24.5	88.3	4.9
	115.0	148.1	142.7	1.883	1.721	0.266	190.4	607	7.667	0.055	21.7	87.9	4.9
	115.0	138.1	136.8	1.926	1.784	0.255	194.1	555	7.463	0.049	18.9	87.6	5.0
	115.0	128.8	131.7	1.966	1.841	0.246	197.2	500	7.165	0.043	16.1	87.2	5.0
	115.0	119.3	127.6	2.001	1.896	0.238	200.1	440	6.839	0.036	13.3	87.0	5.0
	115.0	110.8	124.5	2.032	1.944	0.233	202.7	378	6.686	0.030	11.1	86.7	5.0
	115.0	102.4	122.7	2.059	1.987	0.229	205.0	313	6.313	0.024	8.6	86.6	5.0
	115.0	94.2	122.4	2.084	2.029	0.229	207.5	241	6.046	0.017	6.2	86.6	5.0
	115.0	86.1	122.6	2.103	2.065	0.230	209.4	164	5.567	0.011	3.9	86.6	5.0

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5WJC1BG		-

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



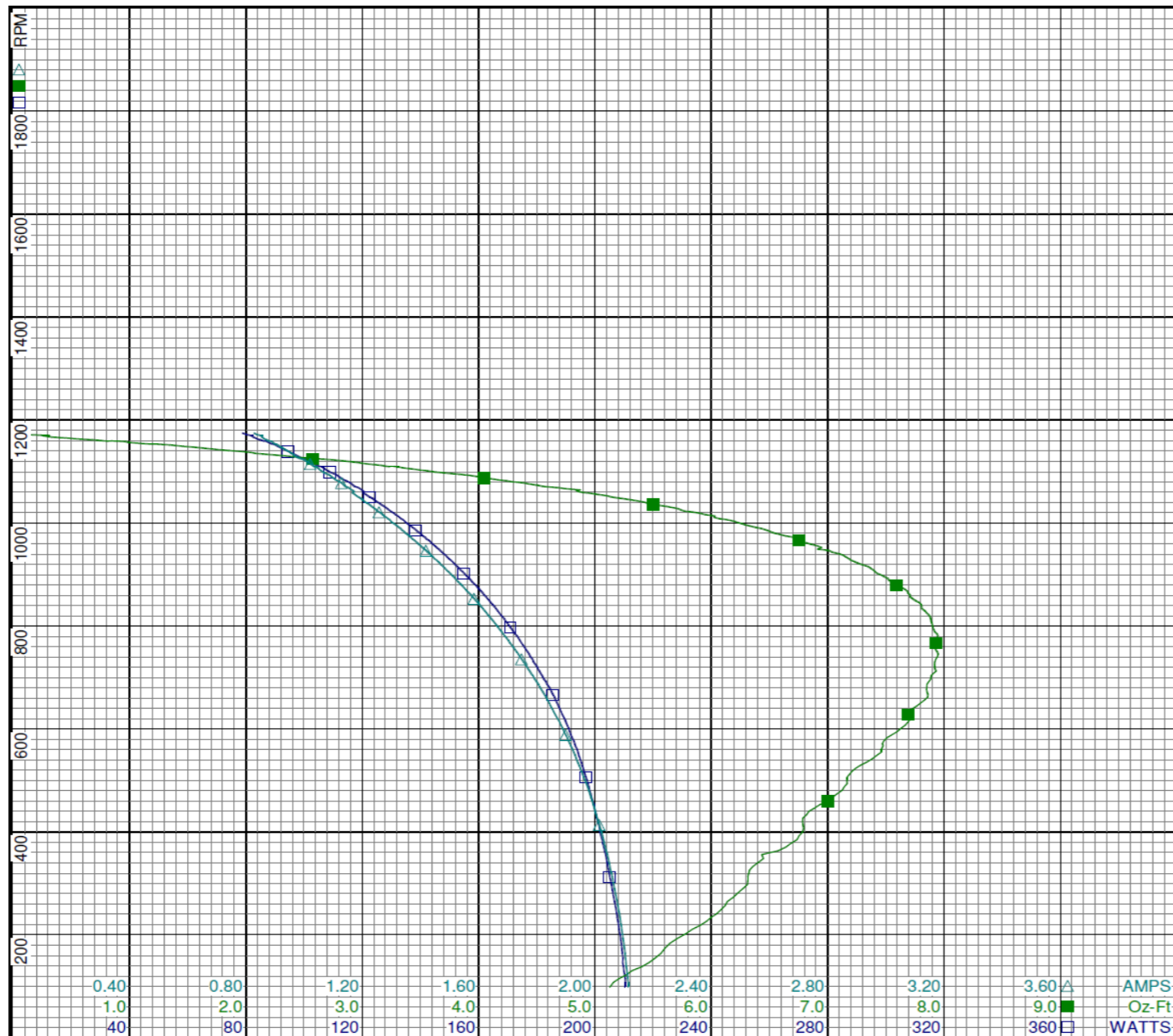
# Performance Data



**5WJC1BG**

REV.

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**5WJC1BG** -

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

# Performance Data



**5WJC1BG**

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-

## Dayton Manufacturing Company

### Motor Description

Model: K048MRB117701  
 Motor ID: 1/1  
 Poles: 6  
 Volts: 115  
 Frequency: 60  
 HP: 1/10  
 Speed: 1075  
 Phase: 1  
 Protector: 7AM036-A5

### Test Conditions

Test Type: Run  
 Test Number: 4  
 Poles: 6  
 Volts: 115  
 Hz: 60  
 Rotation:  
 Special Cond:  
 Speed Conn: M4  
 TestBoard: Amtps Performance Fixture #4  
 Run Cap: 0  
 Start Cap: 0µfd  
 Environment: 20.4 Deg C 50 % RH 1000 hPa  
 Tested: 9/26/2016 11:50:17 AM  
 Tested By: Sharp, Gerald  
 Gear Ratio: 1:1  
 Bearing Friction: -0.47 Oz-Ft  
 Windage Torque: -1.15 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	319.2	301.6	0.722	0.384	0.562	71.88	1169	0.000	0.000	0.0	86.6	4.9
	115.0	313.2	293.8	0.762	0.396	0.547	76.61	1157	0.654	0.009	8.8	87.5	4.9
	115.0	304.3	282.7	0.813	0.426	0.527	82.51	1140	1.420	0.019	17.4	88.3	4.9
	115.0	297.2	274.2	0.855	0.458	0.511	87.33	1127	2.051	0.028	23.5	88.8	4.9
	115.0	288.1	263.6	0.905	0.505	0.491	92.88	1108	2.689	0.035	28.5	89.3	4.9
	115.0	286.4	261.9	0.912	0.514	0.487	93.71	1102	2.841	0.037	29.7	89.4	4.9
	115.0	278.6	253.1	0.954	0.560	0.471	98.31	1086	3.367	0.044	33.0	89.6	4.9
<b>1075 RPM</b>	<b>115.0</b>	<b>272.7</b>	<b>246.7</b>	<b>0.986</b>	<b>0.597</b>	<b>0.460</b>	<b>101.53</b>	<b>1075</b>	<b>3.700</b>	<b>0.047</b>	<b>34.8</b>	<b>89.6</b>	<b>4.9</b>
	115.0	271.4	245.1	0.993	0.605	0.457	102.45	1071	3.778	0.048	35.1	89.7	4.9
	115.0	263.9	237.5	1.032	0.652	0.443	106.42	1055	4.215	0.053	37.1	89.7	4.9
	115.0	256.4	229.9	1.071	0.701	0.429	110.49	1038	4.594	0.057	38.3	89.7	4.9
	115.0	248.6	221.9	1.113	0.754	0.414	114.89	1017	4.996	0.061	39.3	89.8	5.0
	115.0	240.4	213.9	1.156	0.810	0.399	119.37	996	5.347	0.063	39.6	89.8	5.0
	115.0	232.0	205.5	1.190	0.870	0.384	123.08	972	5.684	0.066	39.8	89.9	5.0
	115.0	223.2	197.3	1.236	0.931	0.369	127.59	946	5.985	0.067	39.4	89.8	5.0
	115.0	214.1	189.0	1.282	0.994	0.353	132.19	918	6.250	0.068	38.6	89.7	5.0
	115.0	205.0	180.9	1.330	1.059	0.338	136.88	888	6.456	0.068	37.2	89.5	5.0
	115.0	195.8	172.9	1.377	1.122	0.323	141.45	857	6.639	0.068	35.7	89.3	5.0
	115.0	186.3	165.1	1.424	1.189	0.308	145.76	822	6.763	0.066	33.9	89.0	5.0
	115.0	176.8	157.5	1.471	1.254	0.294	150.16	785	6.820	0.064	31.6	88.8	5.0
	115.0	167.4	150.3	1.518	1.319	0.281	154.45	744	6.815	0.060	29.2	88.5	5.0
<b>BDT OZ-FT</b>	<b>115.0</b>	<b>164.5</b>	<b>148.0</b>	<b>1.532</b>	<b>1.339</b>	<b>0.276</b>	<b>155.77</b>	<b>730</b>	<b>6.890</b>	<b>0.060</b>	<b>28.7</b>	<b>88.4</b>	<b>5.0</b>
	115.0	158.4	143.5	1.562	1.381	0.268	158.44	701	6.774	0.057	26.6	88.2	5.0
	115.0	149.5	137.5	1.607	1.443	0.257	162.35	655	6.684	0.052	23.9	87.8	5.0
	115.0	140.7	132.0	1.647	1.500	0.247	165.93	606	6.555	0.047	21.3	87.6	5.0
	115.0	131.5	126.5	1.686	1.557	0.236	169.03	554	6.392	0.042	18.6	87.2	5.0
	115.0	122.8	121.8	1.721	1.609	0.227	171.91	500	6.230	0.037	16.1	86.8	5.0
	115.0	114.0	117.1	1.751	1.657	0.219	174.19	441	5.942	0.031	13.4	86.5	5.0
	115.0	105.7	115.1	1.779	1.701	0.215	176.66	377	5.636	0.025	10.7	86.3	5.0
	115.0	97.6	113.6	1.803	1.741	0.212	178.60	311	5.510	0.020	8.5	86.1	5.0
	115.0	90.1	113.3	1.825	1.778	0.212	180.90	240	5.138	0.015	6.1	86.2	5.0
	115.0	82.7	113.6	1.841	1.808	0.213	182.37	171	4.840	0.010	4.0	86.1	5.0

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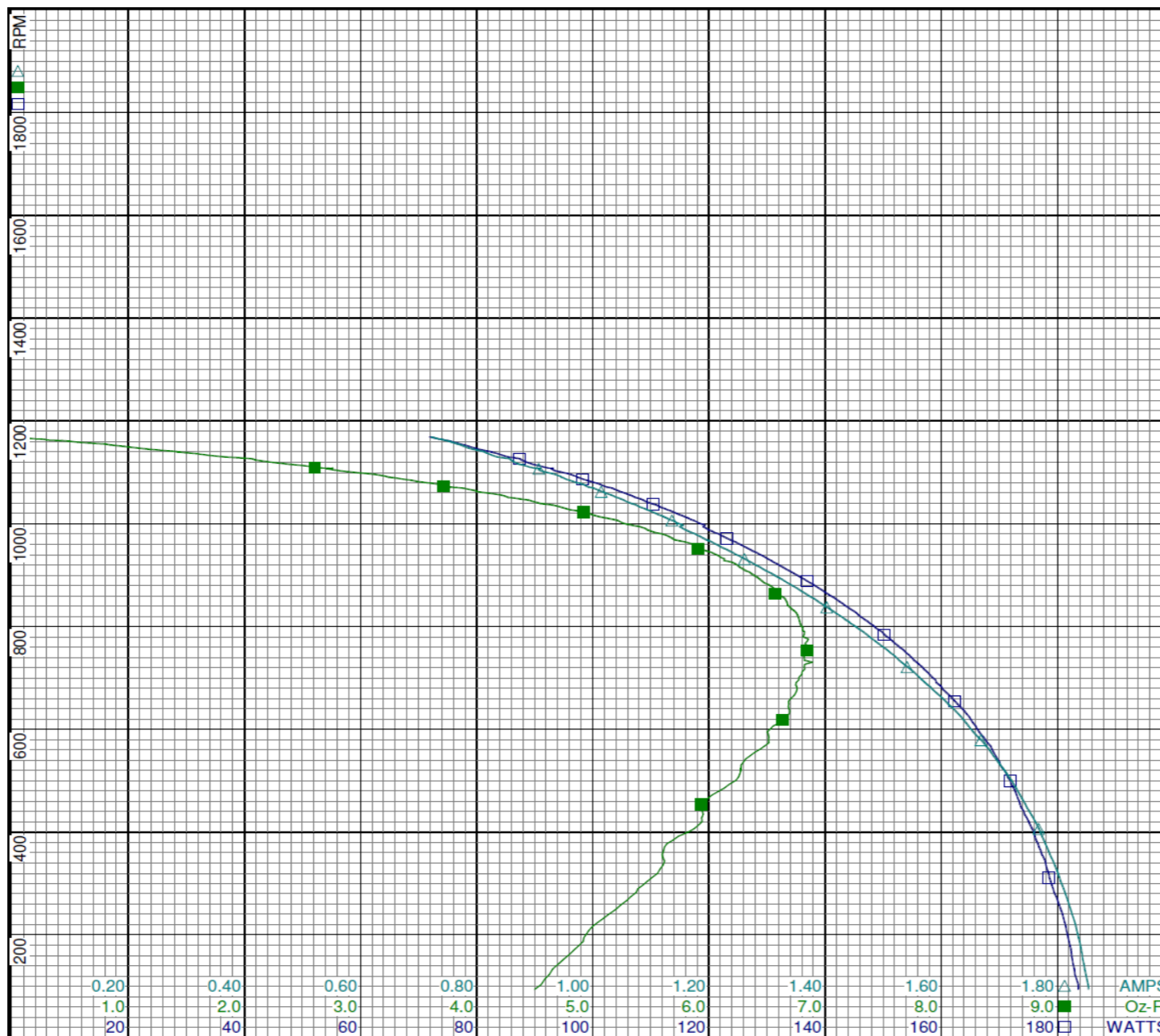
# Performance Data



5WJC1BG

REV.

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Curve Descriptions:

Motor(1) Test 4 Run 115V 60 Hz 6P M4

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

Motor Ratings:

(1) K048MRB117701 ID: 1/1

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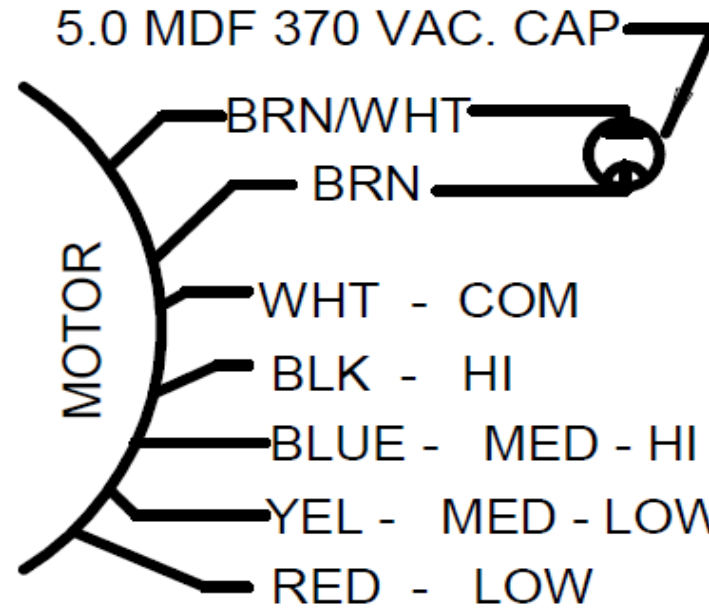
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# Wiring Diagram



5WJC1BG

REV.  
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MOTOR IS CONNECTED CCW LE.  
TO REVERSE ROTATION  
INTERCHANGE PUR & ORG LEADS

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

# Dayton<sup>®</sup>

## ROOM AIR CONDITIONER MOTOR

Part No  
5WJC1BG



**HP:** 1/10

**VOLTS:** 115

**AMPS:** 1.7

**RPM:** 1075/4 SPD

**DUTY:** CONT

**ENCL:** OAO

**THERMALLY PROTECTED:** AUTO

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

**MTR REF:** K48HXMRB-1117

**PH:** 1

**HZ:** 60

**FR:** 42Y

**INS CL:** B

**AMB:** 60°C

EFF.

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

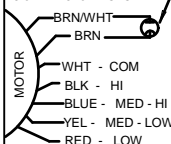


E37403



258501

5.0 MDF 370 VAC. CAP



MOTOR IS CONNECTED CCW LE.  
TO REVERSE ROTATION  
INTERCHANGE PUR & ORG LEADS

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

Made in Mexico