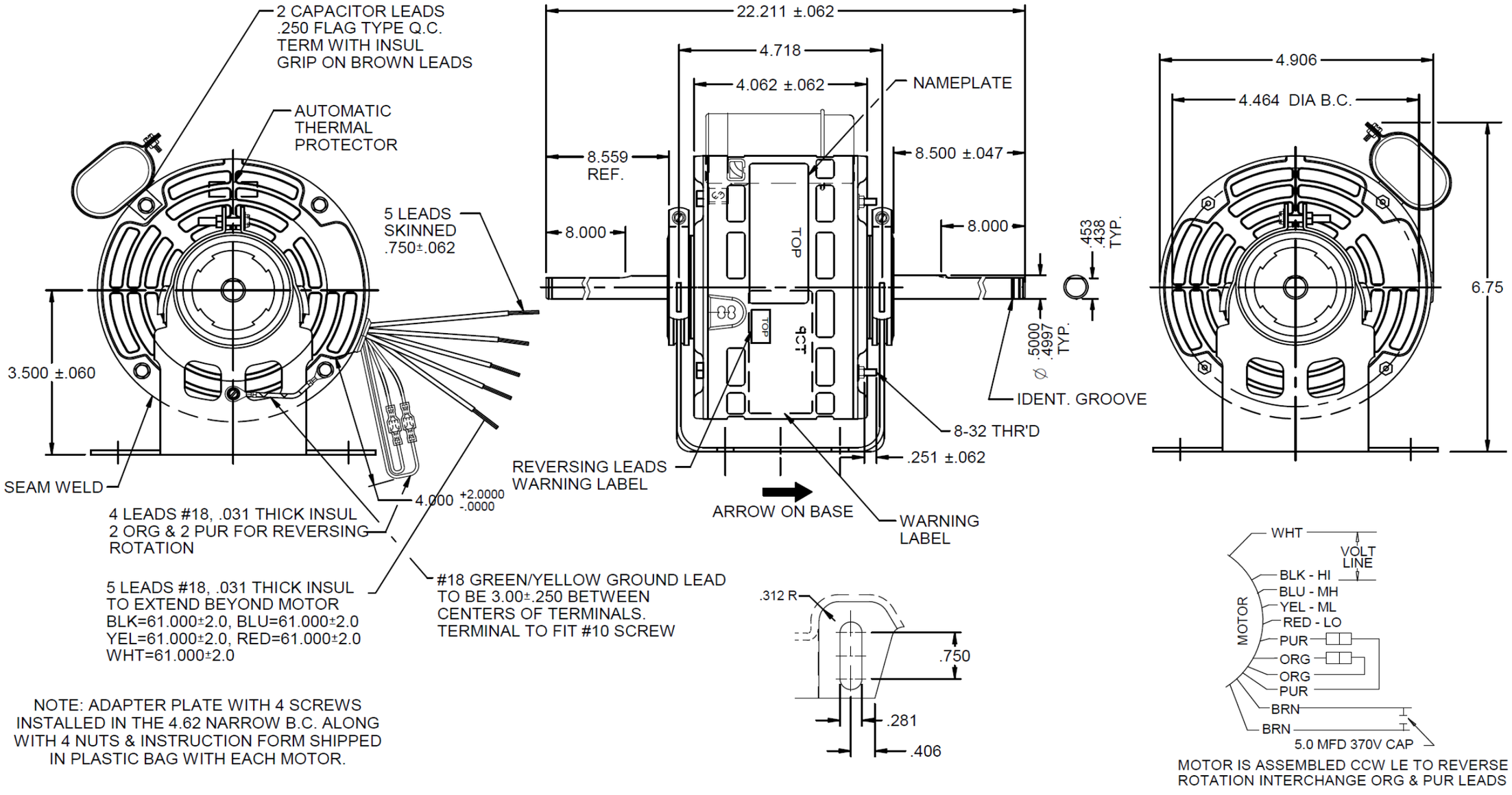
Dimensional Drawing

5WJC2BG

REV. -

MODEL	REF	CUSTOMER	HP	VOLTS	AMPS	HZ	RPM	ROTATION	CUSTOMER PN	DESCRIPTION / REMARKS
K48HXMRP-1215	E43816	GRAINGER	1/8	277	.72	60	1075 / 4SPDS	CCW LEAD END, REV	5WJC2BG	42Y, OAO, SAB.



DRAWING NO.	PAGE 1 of 1	REV.
5WJC2BG		-

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

Performance Data

5WJC2BG	REV. -

MOTOR PERFORMANCE

HP:	1/8 HP									
Poles:	6p									
No. of Speeds:	1speed		**Hi**	**Hi-Med**	**Med-low**	**Low**				
Volts:	277		277	277	277	277				
HZ:	60		60	60	60	60				
Service Factor:	1									
Efficiency:	@ Rated Load		38.7		42.6	41				
Power Factor:	@ Rated Load		98.3		98.3	97.5				
Amps:	@ No Load									
	@ Rated Load		0.738	0.561	0.455	0.366				
	@ Service Factor		0.738	0.561	0.455	0.366				
	@ Locked Rotor		1.489	1.06	0.801	0.629				
RPM:	@ Rated Load		1055	1028	999	985				
Ambient (ºC):	60									
Altitude (FASL)**:**										
Torques:	Breakdown									
	Locked Rotor		4.246	2.439	1.795	1.066				
	Pull-Up		4.246	2.439	1.795	1.066				
	Rated Load		9.952	7.59	5.94	4.63				
	Service Factor		9.952	7.59	5.94	4.63				
Watts:	Rated Load		203.2	154	123.8	98.91				
KVA Code:										
Temperature Rise:	@ Rated Load									
	@ Service Factor									
Thermal Protector:	Trip Temp (ºC)									
Winding Material:	Start (Auxiliary)		Cu							
	Run (Main)		Cu							
Capacitor(s):	Start (MFD / Volts)		N/A							
	No. of Start Capacitors									
	Run (MFD / Volts)		5 mFd, 370v							
	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	REV.
5WJC2BG		-

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

Performance Data

5WJC2BG	REV. -

Dayton Manufacturing Company

Motor Description

Model:	K048MRP1215	5WJC2BG
Motor ID:		
Poles:	6	
Volts:	277	
Frequency:	60	
HP:	1/8	
Speed:	1075	
Phase:	1	
Protector:	7AM036-A5	

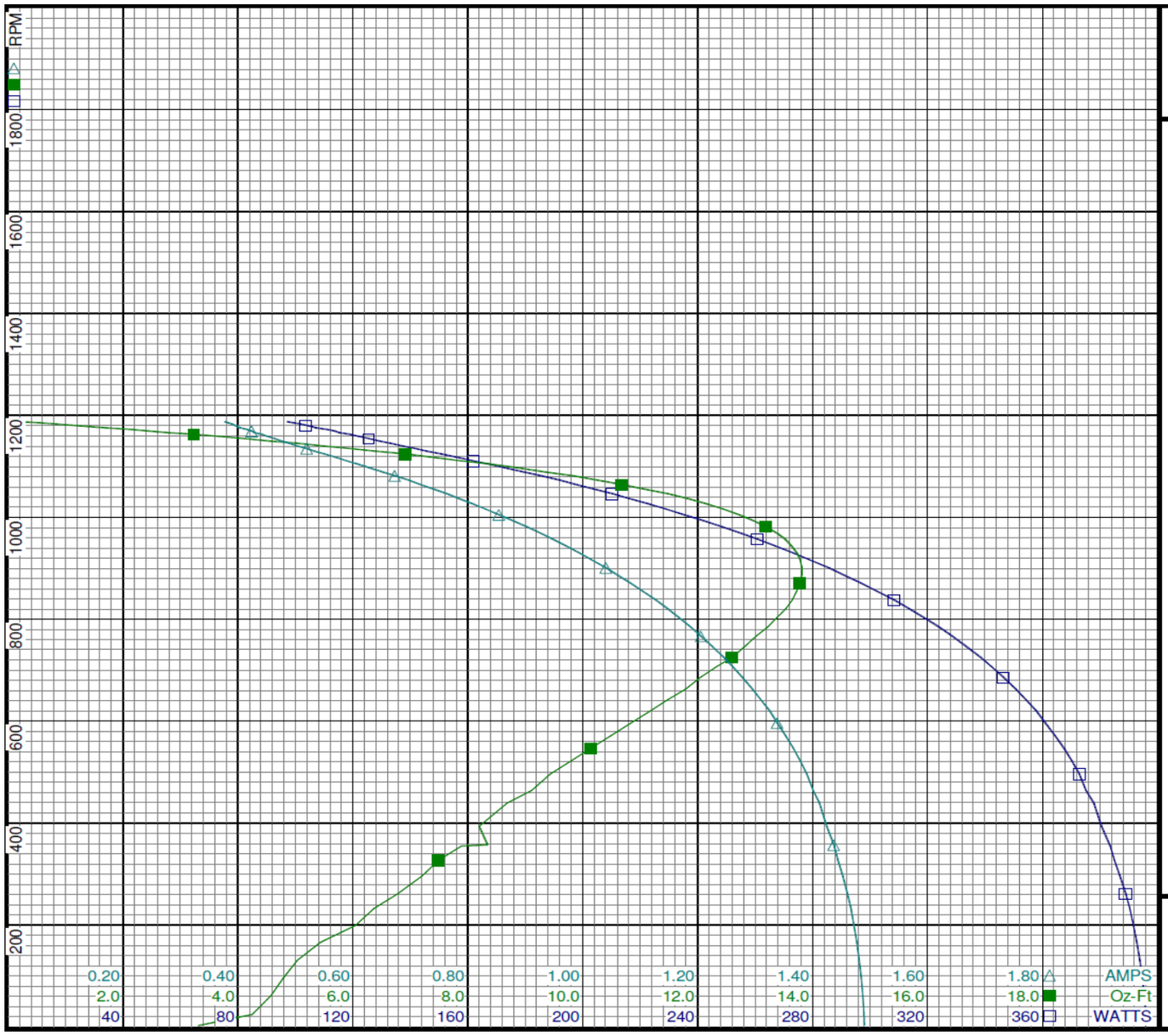
Test Conditions

Test Type:	Start	Run Cap:	5
Test Number:	11	Start Cap:	0µfd
Poles:	6	Environment:	24.1 Deg C 49 % RH 965 hPa
Volts:	277	Tested:	10/14/2016 3:26:09 PM
Hz:	60	Tested By:	Navarro, Susana
Rotation:	CCW	Gear Ratio:	1:1
Special Cond:		Bearing Friction:	-0.60 Oz-Ft
Speed Conn:	M1	Windage Torque:	-0.92 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(%)
	277.0	298.1	298.1	1.489	396.0	24	4.246	0.001	0.2	96.0
	277.0	296.7	296.6	1.485	394.7	96	4.788	0.005	1.0	96.0
	277.0	295.6	295.5	1.477	392.8	166	5.434	0.011	2.0	96.0
	277.0	294.3	294.3	1.467	390.4	232	6.363	0.018	3.4	96.1
	277.0	293.4	293.3	1.452	387.0	296	7.198	0.025	4.9	96.2
	277.0	292.6	292.6	1.438	383.6	354	7.885	0.033	6.5	96.3
	277.0	292.5	292.4	1.424	380.5	393	8.194	0.038	7.5	96.4
	277.0	291.5	291.4	1.401	375.1	464	9.112	0.050	10.0	96.7
	277.0	292.0	291.9	1.378	370.2	522	9.799	0.061	12.3	97.0
	277.0	292.3	292.3	1.352	364.3	572	10.496	0.071	14.6	97.2
	277.0	293.1	293.0	1.325	357.9	619	11.166	0.082	17.2	97.5
	277.0	293.8	293.8	1.295	350.6	663	11.791	0.093	19.8	97.7
	277.0	294.9	294.9	1.260	342.1	707	12.331	0.104	22.6	98.0
	277.0	296.1	296.1	1.226	333.5	746	12.815	0.114	25.4	98.2
	277.0	297.7	297.7	1.188	324.0	784	13.215	0.123	28.4	98.5
	277.0	299.5	299.5	1.148	313.7	820	13.530	0.132	31.4	98.7
	277.0	301.7	301.7	1.104	302.3	855	13.721	0.140	34.5	98.9
	277.0	304.2	304.1	1.061	291.0	886	13.807	0.146	37.3	99.0
	277.0	306.8	306.8	1.016	279.2	916	13.782	0.150	40.1	99.2
	277.0	309.8	309.8	0.970	266.8	944	13.631	0.153	42.8	99.3
	277.0	312.7	312.7	0.927	255.2	968	13.386	0.154	45.1	99.4
	277.0	316.2	316.2	0.878	241.8	993	12.964	0.153	47.3	99.5
	277.0	319.9	319.9	0.831	228.9	1016	12.442	0.150	49.0	99.5
	277.0	323.5	323.5	0.784	216.2	1036	11.826	0.146	50.4	99.5
	277.0	327.1	327.1	0.740	203.9	1055	11.072	0.139	50.9	99.5
	277.0	330.6	330.6	0.697	192.0	1073	10.256	0.131	50.9	99.5
	277.0	334.4	334.4	0.652	179.5	1089	9.343	0.121	50.3	99.4
	277.0	338.2	338.2	0.607	167.0	1104	8.370	0.110	49.2	99.2
	277.0	341.4	341.4	0.571	156.7	1117	7.416	0.099	47.0	99.1
	277.0	344.9	344.9	0.533	145.9	1129	6.417	0.086	44.1	98.8
	277.0	348.0	348.0	0.503	137.2	1140	5.481	0.074	40.4	98.4
	277.0	350.8	350.8	0.476	129.2	1149	4.551	0.062	35.9	98.1
	277.0	353.6	353.6	0.451	122.0	1159	3.658	0.050	30.9	97.6
	277.0	356.1	356.1	0.429	115.2	1166	2.790	0.039	25.1	97.0
	277.0	358.0	358.0	0.415	110.7	1172	2.108	0.029	19.8	96.3
	277.0	359.7	359.7	0.399	105.7	1178	1.390	0.019	13.8	95.5
	277.0	361.3	361.3	0.389	101.7	1183	0.828	0.012	8.6	94.3
	277.0	363.0	363.0	0.377	97.1	1187	0.205	0.003	2.2	93.0

Performance Data

5WJC2BG	REV. -



Curve Descriptions:

Motor(1) Test 11 Start 277V 60 Hz 6P
M1 CCW 5ufd Run

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

Motor Ratings:

(1) K048MRP1215 5WJC2BG

DRAWING NO.	PAGE 2 of 16	REV.
	5WJC2BG	-

Performance Data

5WJC2BG	REV. -

Dayton Manufacturing Company

Motor Description

Model:	K048MRP1215	5WJC2BG
Motor ID:		
Poles:	6	
Volts:	277	
Frequency:	60	
HP:	1/8	
Speed:	1075	
Phase:	1	
Protector:	7AM036-A5	

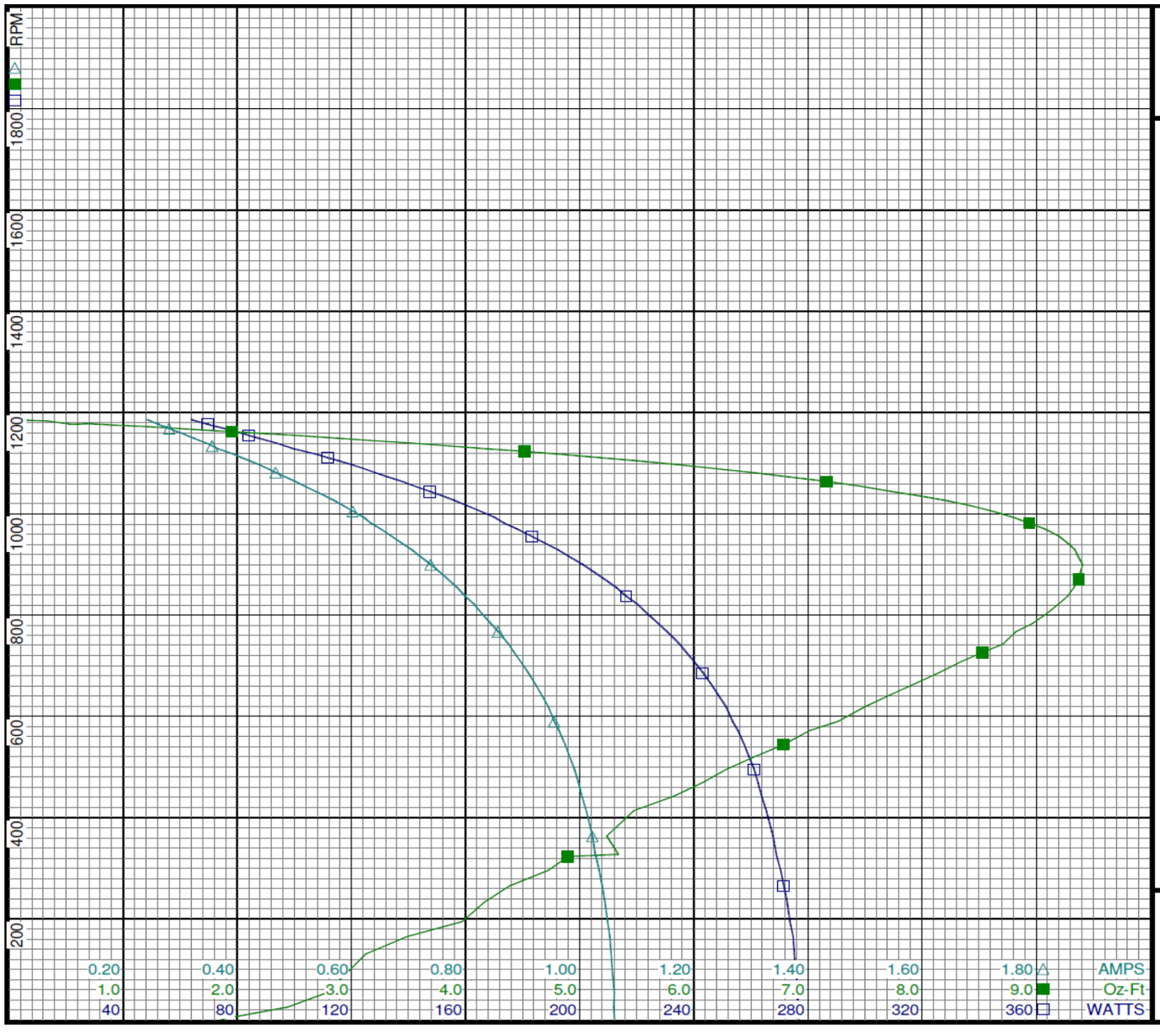
Test Conditions

Test Type:	Start	Run Cap:	5
Test Number:	12	Start Cap:	0µfd
Poles:	6	Environment:	24.1 Deg C 49 % RH 965 hPa
Volts:	277	Tested:	10/14/2016 3:20:33 PM
Hz:	60	Tested By:	Navarro, Susana
Rotation:	CCW	Gear Ratio:	1:1
Special Cond:		Bearing Friction:	-0.61 Oz-Ft
Speed Conn:	M2	Windage Torque:	-0.93 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(%)
	277.0	242.1	242.1	1.060	276.4	25	2.439	0.001	0.2	94.2
	277.0	240.7	240.7	1.057	275.8	94	2.962	0.003	0.9	94.2
	277.0	239.6	239.6	1.053	274.8	164	3.480	0.007	1.8	94.2
	277.0	238.5	238.4	1.044	272.7	232	4.164	0.012	3.2	94.3
	277.0	237.7	237.6	1.034	270.4	296	4.726	0.017	4.6	94.4
	277.0	237.0	237.0	1.027	268.9	327	5.338	0.021	5.8	94.5
	277.0	236.2	236.2	1.011	265.3	414	5.474	0.027	7.6	94.7
	277.0	235.9	235.9	0.998	262.5	469	6.075	0.034	9.6	95.0
	277.0	236.0	236.0	0.982	259.3	521	6.541	0.041	11.7	95.3
	277.0	236.3	236.2	0.964	255.4	572	7.015	0.048	13.9	95.7
	277.0	236.8	236.7	0.945	251.2	619	7.499	0.055	16.4	96.0
	277.0	237.4	237.4	0.922	246.0	664	7.935	0.063	19.0	96.3
	277.0	238.3	238.2	0.896	240.0	708	8.347	0.070	21.9	96.7
	277.0	239.1	239.1	0.875	235.1	742	8.707	0.077	24.4	97.0
	277.0	240.6	240.6	0.844	227.5	783	8.967	0.084	27.4	97.3
	277.0	242.2	242.2	0.814	220.2	821	9.195	0.090	30.5	97.6
	277.0	243.9	243.9	0.785	212.9	854	9.330	0.095	33.2	97.9
	277.0	246.0	246.0	0.754	204.8	885	9.388	0.099	36.0	98.1
	277.0	248.4	248.4	0.720	196.0	916	9.365	0.102	38.9	98.4
	277.0	250.9	250.9	0.688	187.9	941	9.277	0.104	41.3	98.5
	277.0	253.9	253.9	0.651	178.1	970	9.077	0.105	43.9	98.7
	277.0	256.6	256.5	0.621	170.1	993	8.797	0.104	45.6	98.9
	277.0	259.9	259.8	0.585	160.4	1016	8.419	0.102	47.4	99.0
	277.0	263.0	263.0	0.553	151.6	1036	7.964	0.098	48.3	99.0
	277.0	266.5	266.5	0.517	142.0	1055	7.451	0.094	49.1	99.1
	277.0	270.0	270.0	0.484	132.7	1073	6.831	0.087	49.0	99.1
	277.0	273.2	273.2	0.452	124.1	1089	6.175	0.080	48.1	99.1
	277.0	276.7	276.7	0.421	115.5	1104	5.507	0.072	46.8	99.0
	277.0	279.7	279.7	0.394	107.9	1117	4.850	0.064	44.6	98.8
	277.0	283.4	283.4	0.366	99.7	1129	4.179	0.056	42.0	98.4
	277.0	286.4	286.4	0.344	93.4	1140	3.491	0.047	37.8	97.9
	277.0	289.3	289.3	0.323	87.4	1149	2.865	0.039	33.5	97.5
	277.0	292.0	292.0	0.305	82.1	1158	2.251	0.031	28.2	97.2
	277.0	294.6	294.6	0.286	76.8	1165	1.684	0.023	22.7	96.9
	277.0	296.9	297.0	0.271	72.4	1172	1.183	0.017	17.0	96.5
	277.0	298.5	298.5	0.261	69.5	1178	0.698	0.010	10.5	96.1
	277.0	300.5	300.5	0.247	65.4	1183	0.335	0.005	5.4	95.4
	277.0	301.3	301.3	0.242	63.8	1186	0.000	0.000	0.0	95.3

Performance Data

5WJC2BG	REV. -



Curve Descriptions:

Motor(1) Test 12 Start 277V 60 Hz 6P
M2 CCW 5ufd Run

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

Motor Ratings:

(1) K048MRP1215 5WJC2BG

DRAWING NO.	PAGE 4 of 16	REV.
5WJC2BG		-

Performance Data

5WJC2BG	REV. -

Dayton Manufacturing Company

Motor Description

Model:	K048MRP1215	5WJC2BG
Motor ID:		
Poles:	6	
Volts:	277	
Frequency:	60	
HP:	1/8	
Speed:	1075	
Phase:	1	
Protector:	7AM036-A5	

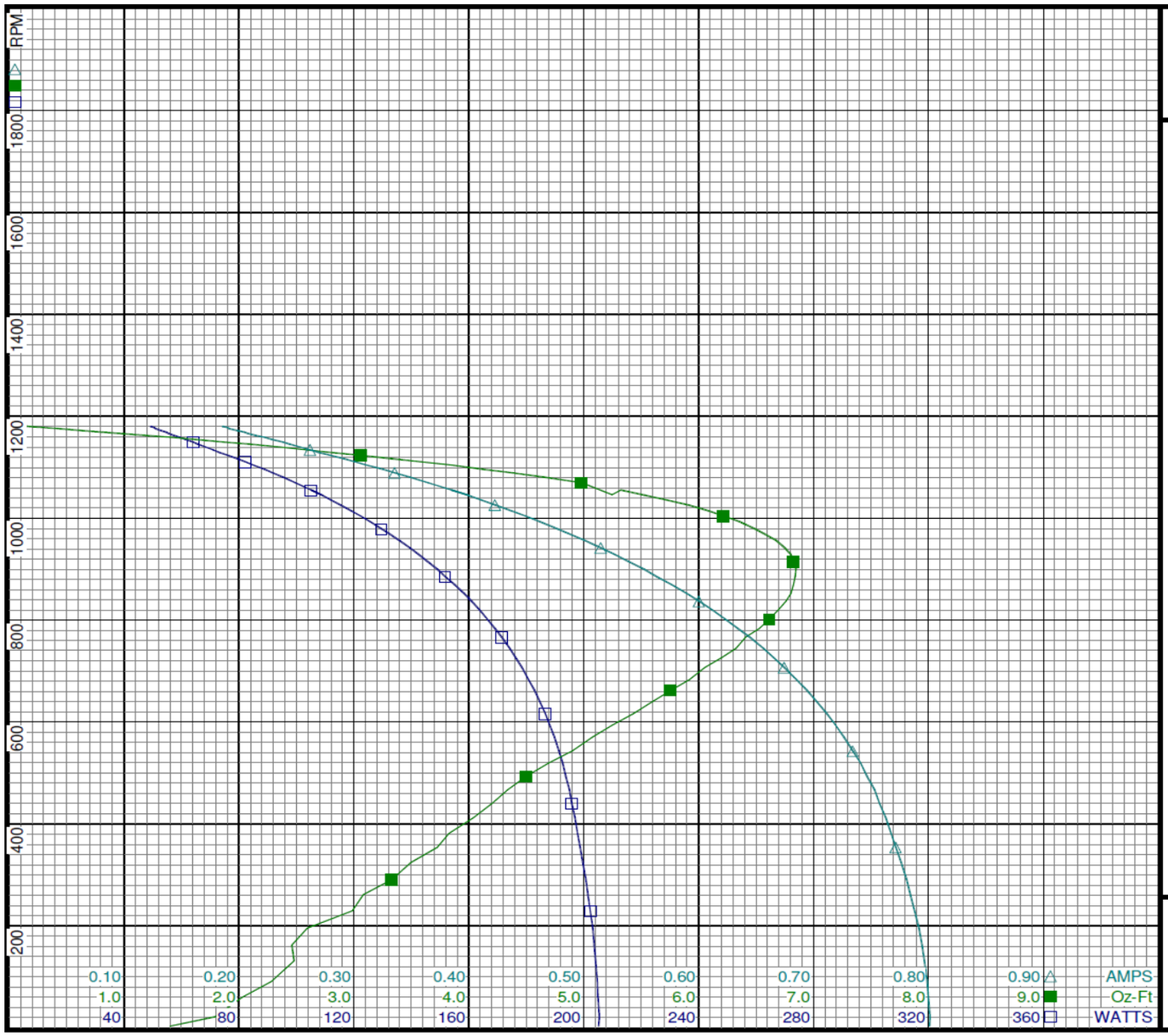
Test Conditions

Test Type:	Start	Run Cap:	5
Test Number:	13	Start Cap:	0µfd
Poles:	6	Environment:	24.4 Deg C 51 % RH 965 hPa
Volts:	277	Tested:	10/14/2016 3:15:24 PM
Hz:	60	Tested By:	Navarro, Susana
Rotation:	CCW	Gear Ratio:	1:1
Special Cond:		Bearing Friction:	-0.60 Oz-Ft
Speed Conn:	M3	Windage Torque:	-0.89 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(%)
	277.0	205.7	205.7	0.801	205.3	21	1.795	0.000	0.2	92.5
	277.0	204.5	204.5	0.799	204.7	90	2.279	0.002	0.9	92.5
	277.0	203.3	203.3	0.794	203.6	162	2.459	0.005	1.7	92.5
	277.0	202.2	202.2	0.788	202.2	229	2.985	0.008	3.0	92.7
	277.0	201.6	201.5	0.781	200.7	291	3.331	0.012	4.3	92.8
	277.0	200.7	200.6	0.772	198.7	354	3.724	0.016	5.9	93.0
	277.0	200.1	200.1	0.763	196.9	412	4.038	0.020	7.5	93.2
	277.0	199.9	199.9	0.753	195.0	467	4.337	0.024	9.2	93.5
	277.0	199.8	199.7	0.741	192.7	519	4.697	0.029	11.2	93.9
	277.0	199.9	199.9	0.727	189.7	570	5.075	0.034	13.5	94.3
	277.0	200.3	200.3	0.712	186.6	616	5.431	0.040	15.9	94.7
	277.0	200.8	200.7	0.694	182.8	662	5.756	0.045	18.5	95.1
	277.0	201.5	201.5	0.674	178.4	707	6.052	0.051	21.3	95.5
	277.0	202.3	202.3	0.656	174.2	744	6.324	0.056	24.0	95.8
	277.0	203.4	203.4	0.634	169.0	784	6.528	0.061	26.9	96.2
	277.0	204.8	204.8	0.612	163.6	820	6.694	0.065	29.8	96.6
	277.0	206.3	206.3	0.590	158.3	852	6.803	0.069	32.5	96.9
	277.0	208.2	208.2	0.564	151.8	885	6.839	0.072	35.4	97.2
	277.0	210.2	210.2	0.539	145.5	915	6.826	0.074	38.1	97.5
	277.0	212.3	212.3	0.515	139.5	942	6.748	0.076	40.5	97.8
	277.0	215.0	214.9	0.487	132.2	969	6.566	0.076	42.8	98.0
	277.0	217.5	217.4	0.462	125.6	993	6.356	0.075	44.6	98.2
	277.0	220.1	220.1	0.437	119.0	1014	6.082	0.073	46.0	98.4
	277.0	223.1	223.1	0.411	112.0	1035	5.718	0.070	47.0	98.5
	277.0	226.0	226.0	0.385	105.1	1055	5.322	0.067	47.4	98.6
	277.0	228.4	228.4	0.365	99.5	1069	4.982	0.063	47.5	98.5
	277.0	232.0	232.0	0.335	91.6	1089	4.378	0.057	46.2	98.6
	277.0	235.2	235.2	0.311	84.9	1104	3.848	0.051	44.4	98.6
	277.0	237.9	237.9	0.291	79.4	1116	3.329	0.044	41.6	98.4
	277.0	241.1	241.1	0.270	73.3	1129	2.812	0.038	38.5	98.0
	277.0	244.1	244.1	0.252	68.0	1140	2.323	0.032	34.6	97.5
	277.0	246.6	246.6	0.238	64.0	1149	1.868	0.026	29.8	97.0
	277.0	249.4	249.4	0.222	59.4	1158	1.407	0.019	24.4	96.7
	277.0	251.7	251.7	0.208	55.6	1166	0.981	0.014	18.3	96.4
	277.0	253.5	253.5	0.198	52.8	1172	0.633	0.009	12.5	96.2
	277.0	255.1	255.1	0.190	50.5	1178	0.301	0.004	6.2	96.0
	277.0	255.6	255.6	0.186	49.4	1179	0.045	0.001	1.0	95.9

Performance Data

5WJC2BG	REV. -



Curve Descriptions:

Motor(1) Test 13 Start 277V 60 Hz 6P
M3 CCW 5ufd Run

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

Motor Ratings:

(1) K048MRP1215 5WJC2BG

DRAWING NO.	PAGE 6 of 16	REV.
5WJC2BG		-

Performance Data

5WJC2BG	REV. -

Dayton Manufacturing Company

Motor Description

Model:	K048MRP1215	5WJC2BG
Motor ID:		
Poles:	6	
Volts:	277	
Frequency:	60	
HP:	1/8	
Speed:	1075	
Phase:	1	
Protector:	7AM036-A5	

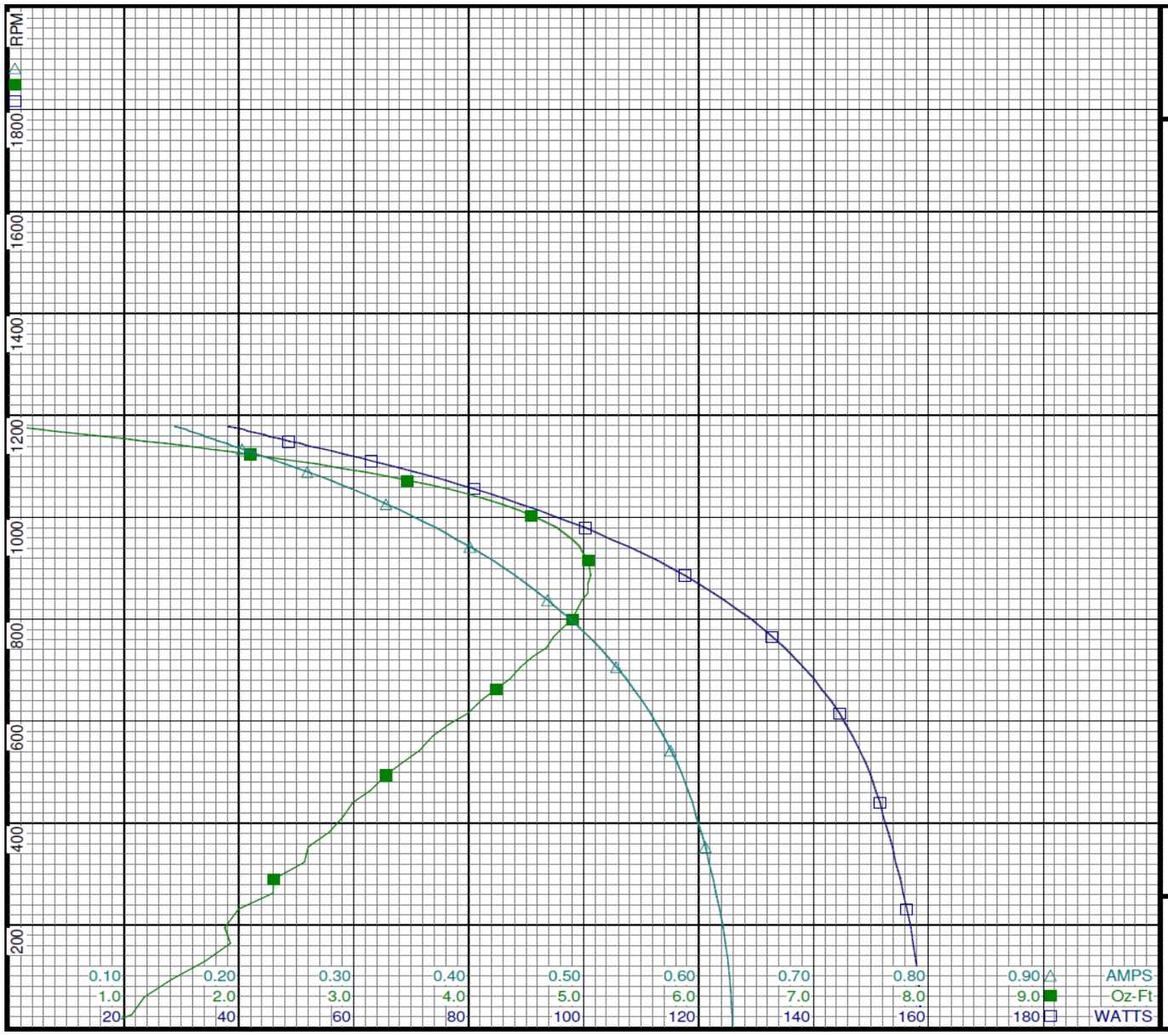
Test Conditions

Test Type:	Start	Run Cap:	5
Test Number:	14	Start Cap:	0µfd
Poles:	6	Environment:	24.4 Deg C 51 % RH 965 hPa
Volts:	277	Tested:	10/14/2016 3:09:38 PM
Hz:	60	Tested By:	Navarro, Susana
Rotation:	CCW	Gear Ratio:	1:1
Special Cond:		Bearing Friction:	-0.61 Oz-Ft
Speed Conn:	M4	Windage Torque:	-0.92 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(%)
	277.0	179.7	179.6	0.629	158.59	24	1.066	0.000	0.1	91.0
	277.0	178.7	178.7	0.627	158.24	92	1.409	0.002	0.7	91.1
	277.0	177.5	177.5	0.623	157.30	164	1.924	0.004	1.8	91.1
	277.0	176.6	176.6	0.618	156.22	231	1.996	0.005	2.6	91.2
	277.0	176.0	176.0	0.613	155.11	290	2.301	0.008	3.8	91.4
	277.0	175.1	175.1	0.606	153.74	353	2.602	0.011	5.3	91.6
	277.0	174.5	174.5	0.598	152.12	413	2.905	0.014	7.0	91.9
	277.0	174.2	174.1	0.591	150.76	464	3.142	0.017	8.6	92.2
	277.0	174.1	174.1	0.581	149.06	519	3.427	0.021	10.6	92.6
	277.0	174.3	174.3	0.569	146.80	570	3.683	0.025	12.7	93.1
	277.0	174.6	174.5	0.558	144.50	615	3.991	0.029	15.1	93.5
	277.0	174.9	174.9	0.543	141.37	663	4.236	0.033	17.6	93.9
	277.0	175.5	175.5	0.528	138.17	706	4.449	0.037	20.2	94.4
	277.0	176.2	176.2	0.514	134.98	743	4.673	0.041	22.9	94.8
	277.0	177.2	177.2	0.496	130.84	784	4.821	0.045	25.7	95.3
	277.0	178.3	178.2	0.478	126.67	819	4.942	0.048	28.4	95.7
	277.0	179.6	179.5	0.461	122.51	851	5.036	0.051	31.1	96.0
	277.0	181.2	181.2	0.440	117.62	885	5.061	0.053	33.8	96.4
	277.0	182.9	182.9	0.421	112.86	915	5.046	0.055	36.3	96.8
	277.0	184.9	184.9	0.401	107.79	942	4.964	0.056	38.5	97.0
	277.0	187.0	187.0	0.380	102.51	968	4.831	0.056	40.5	97.3
	277.0	189.4	189.3	0.359	97.12	992	4.652	0.055	42.2	97.5
	277.0	191.6	191.6	0.340	92.05	1014	4.432	0.053	43.4	97.7
	277.0	194.2	194.2	0.319	86.50	1036	4.142	0.051	44.0	97.9
	277.0	196.9	196.9	0.298	81.02	1055	3.825	0.048	44.2	98.0
	277.0	199.4	199.4	0.280	76.02	1072	3.465	0.044	43.4	98.1
	277.0	202.2	202.2	0.259	70.51	1089	3.086	0.040	42.3	98.1
	277.0	205.0	205.0	0.240	65.18	1104	2.680	0.035	40.3	98.1
	277.0	207.4	207.4	0.226	61.24	1116	2.302	0.031	37.3	98.0
	277.0	210.2	210.2	0.209	56.42	1129	1.905	0.026	33.9	97.6
	277.0	213.2	213.2	0.194	52.05	1140	1.542	0.021	30.0	96.9
	277.0	215.7	215.7	0.182	48.68	1149	1.173	0.016	24.6	96.4
	277.0	218.2	218.2	0.170	45.27	1158	0.832	0.011	18.9	96.0
	277.0	219.9	219.9	0.162	42.92	1165	0.528	0.007	12.7	95.8
	277.0	221.4	221.4	0.154	40.77	1172	0.262	0.004	6.7	95.6
	277.0	223.1	223.1	0.145	38.33	1177	0.034	0.000	0.9	95.5
	277.0	223.3	223.3	0.144	38.02	1178	0.000	0.000	0.0	95.5

Performance Data

5WJC2BG	REV. -



Curve Descriptions:

Motor(1) Test 14 Start 277V 60 Hz 6P
M4 CCW 5ufd Run

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

Motor Ratings:

(1) K048MRP1215 5WJC2BG

DRAWING NO.	PAGE 8 of 16	REV.
	5WJC2BG	-

Performance Data

5WJC2BG	REV. -

Dayton Manufacturing Company

Motor Description

Model:	K048MRP1215	5WJC2BG
Motor ID:		
Poles:	6	
Volts:	277	
Frequency:	60	
HP:	1/8	
Speed:	1075	
Phase:	1	
Protector:	7AM036-A5	

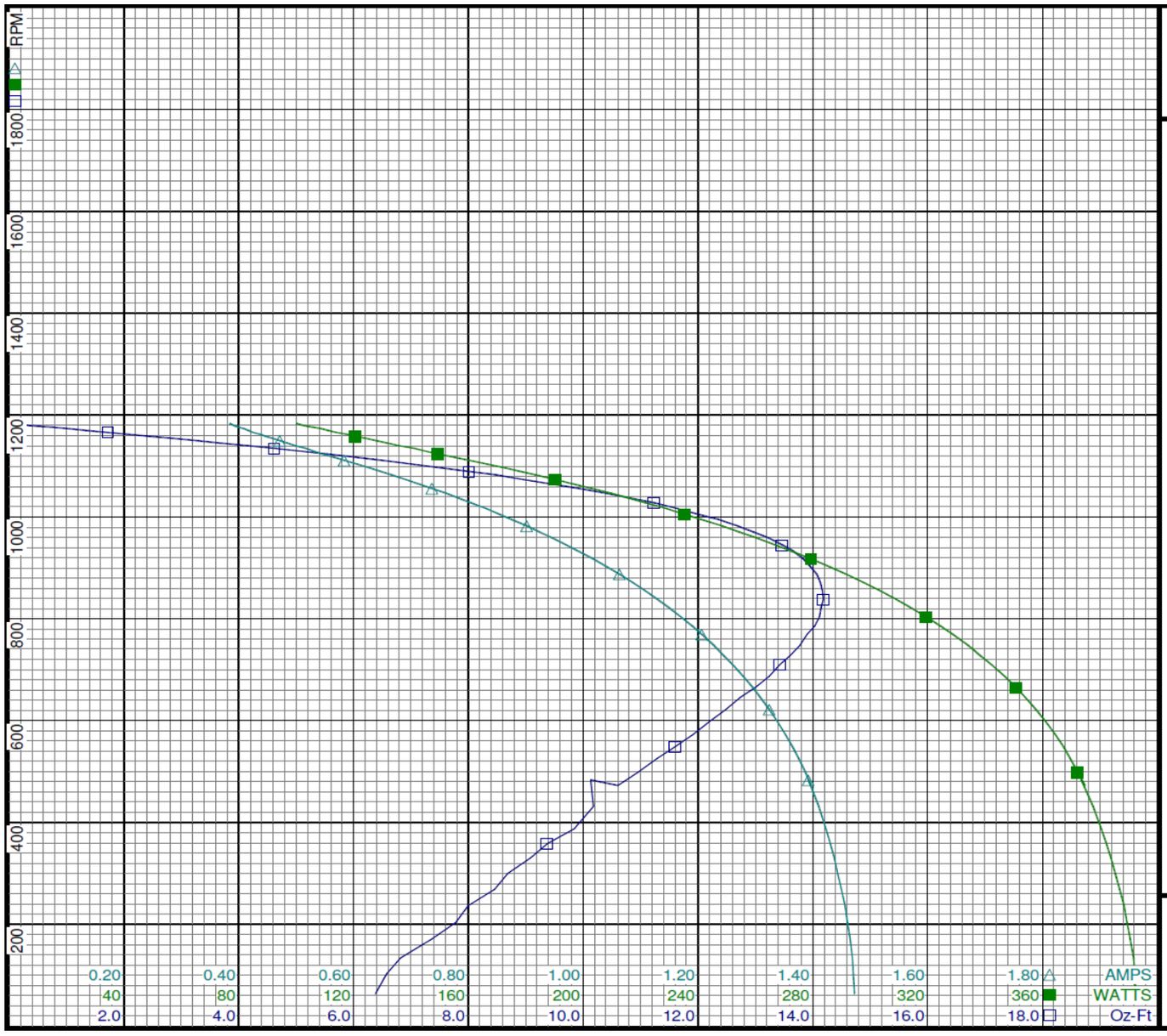
Test Conditions

Test Type:	Run	Run Cap:	5
Test Number:	15	Start Cap:	0µfd
Poles:	6	Environment:	24.1 Deg C 49 % RH 965 hPa
Volts:	277	Tested:	10/14/2016 3:27:37 PM
Hz:	60	Tested By:	Navarro, Susana
Rotation:	CCW	Gear Ratio:	1:1
Special Cond:		Bearing Friction:	-0.63 Oz-Ft
Speed Conn:	M1	Windage Torque:	-0.83 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(%)
	277.0	361.9	361.9	0.384	100.0	1183	0.000	0.000	0.0	94.0
	277.0	361.2	361.3	0.389	101.7	1180	0.230	0.003	2.4	94.4
	277.0	359.6	359.6	0.399	105.6	1176	0.723	0.010	7.1	95.5
	277.0	357.3	357.3	0.417	111.4	1169	1.374	0.019	12.8	96.4
	277.0	354.8	354.8	0.438	117.8	1162	2.086	0.029	18.3	97.2
	277.0	352.2	352.2	0.459	124.3	1154	2.857	0.039	23.5	97.8
	277.0	349.3	349.3	0.485	132.0	1144	3.704	0.050	28.5	98.2
	277.0	346.3	346.3	0.516	141.0	1134	4.615	0.062	33.0	98.6
	277.0	343.2	343.3	0.545	149.2	1124	5.534	0.074	37.0	98.8
	277.0	339.8	339.8	0.583	160.2	1110	6.497	0.086	40.0	99.1
	277.0	336.0	336.0	0.627	172.6	1096	7.516	0.098	42.4	99.3
	277.0	332.8	332.8	0.666	183.3	1082	8.480	0.109	44.5	99.4
	277.0	328.9	328.9	0.713	196.5	1064	9.447	0.120	45.4	99.5
9.66 OZ-FT	**277.0**	**328.1**	**328.1**	**0.724**	**199.3**	**1060**	**9.660**	**0.122**	**45.6**	**99.5**
0.125 HP	**277.0**	**326.9**	**326.9**	**0.738**	**203.2**	**1055**	**9.952**	**0.125**	**45.9**	**99.5**
	277.0	325.1	325.1	0.761	209.7	1046	10.397	0.129	46.1	99.5
	277.0	321.7	321.7	0.803	221.4	1028	11.221	0.137	46.2	99.5
	277.0	317.8	317.8	0.854	235.3	1005	12.004	0.144	45.5	99.5
	277.0	314.3	314.3	0.902	248.3	982	12.684	0.148	44.5	99.4
	277.0	311.2	311.2	0.946	260.3	958	13.227	0.151	43.2	99.3
	277.0	308.3	308.3	0.989	271.8	934	13.643	0.152	41.6	99.3
13.92 OZ-FT	**277.0**	**305.5**	**305.5**	**1.034**	**283.8**	**906**	**13.920**	**0.150**	**39.5**	**99.1**
	277.0	305.0	305.0	1.042	286.2	901	13.966	0.150	39.0	99.1
	277.0	302.5	302.4	1.086	297.7	871	14.131	0.146	36.7	98.9
BDT OZ-FT	**277.0**	**300.3**	**300.2**	**1.129**	**308.9**	**838**	**14.183**	**0.141**	**34.2**	**98.8**
	277.0	300.3	300.2	1.129	308.9	838	14.183	0.141	34.2	98.8
	277.0	298.3	298.3	1.170	319.5	803	14.112	0.135	31.5	98.6
	277.0	296.8	296.7	1.206	328.8	769	13.896	0.127	28.9	98.4
	277.0	295.2	295.2	1.244	338.2	728	13.607	0.118	26.0	98.1
	277.0	294.1	294.1	1.279	346.8	686	13.235	0.108	23.3	97.9
	277.0	293.2	293.2	1.308	353.9	646	12.739	0.098	20.6	97.7
	277.0	292.6	292.5	1.338	361.1	598	12.196	0.087	17.9	97.4
	277.0	292.0	292.0	1.365	367.4	548	11.598	0.076	15.4	97.2
	277.0	291.8	291.7	1.387	372.3	498	10.955	0.065	13.0	96.9
	277.0	292.2	292.1	1.392	373.5	483	10.128	0.058	11.6	96.9
	277.0	292.0	292.0	1.423	380.5	387	9.838	0.045	8.9	96.5
	277.0	292.7	292.7	1.437	383.8	330	9.083	0.036	6.9	96.4
	277.0	293.6	293.5	1.450	386.9	268	8.455	0.027	5.2	96.3
	277.0	294.7	294.7	1.460	389.4	203	7.780	0.019	3.6	96.3
	277.0	296.2	296.1	1.469	391.7	133	6.815	0.011	2.1	96.3
	277.0	297.2	297.1	1.472	392.6	63	6.378	0.005	0.9	96.3

Performance Data

5WJC2BG	REV. -



Curve Descriptions:

Motor(1) Test 15 Run 277V 60 Hz 6P
M1 CCW 5ufd Run

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

Motor Ratings:

(1) K048MRP1215 5WJC2BG

DRAWING NO.	PAGE 10 of 16	REV.
	5WJC2BG	-

Performance Data

5WJC2BG	REV. -

Dayton Manufacturing Company

Motor Description

Model:	K048MRP1215	5WJC2BG
Motor ID:		
Poles:	6	
Volts:	277	
Frequency:	60	
HP:	1/8	
Speed:	1075	
Phase:	1	
Protector:	7AM036-A5	

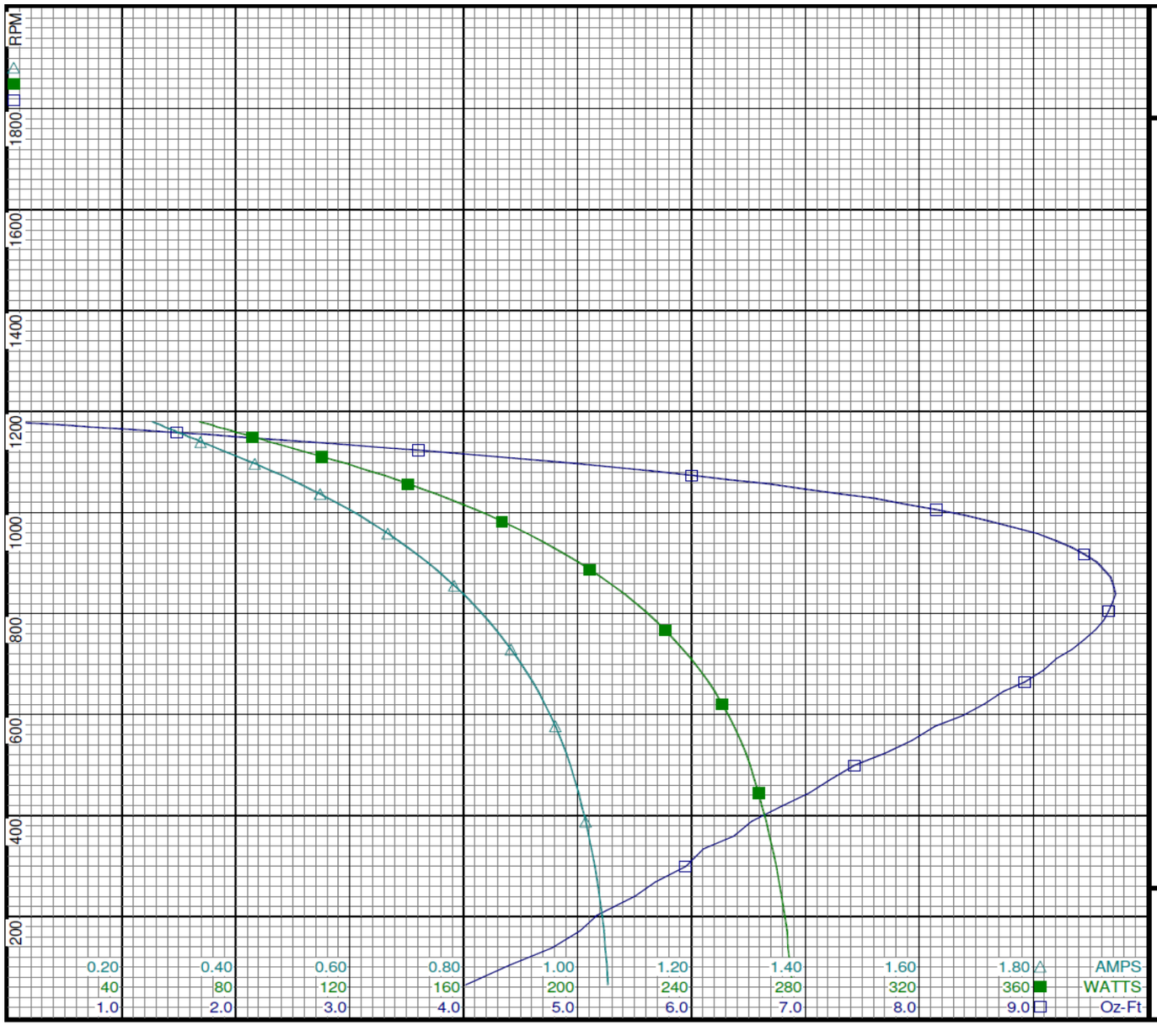
Test Conditions

Test Type:	Run	Run Cap:	5
Test Number:	16	Start Cap:	0µfd
Poles:	6	Environment:	24.1 Deg C 49 % RH 965 hPa
Volts:	277	Tested:	10/14/2016 3:22:03 PM
Hz:	60	Tested By:	Navarro, Susana
Rotation:	CCW	Gear Ratio:	1:1
Special Cond:		Bearing Friction:	-0.63 Oz-Ft
Speed Conn:	M2	Windage Torque:	-0.85 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(%)
	277.0	299.3	299.3	0.253	67.3	1179	0.000	0.000	0.0	96.0
	277.0	297.9	297.9	0.263	70.2	1175	0.328	0.005	4.9	96.3
	277.0	296.1	296.1	0.275	73.6	1169	0.734	0.010	10.4	96.7
	277.0	293.7	293.7	0.292	78.4	1162	1.236	0.017	16.3	97.0
	277.0	291.2	291.2	0.309	83.2	1154	1.760	0.024	21.7	97.3
	277.0	288.0	288.0	0.331	89.6	1144	2.337	0.032	26.5	97.7
	277.0	285.2	285.2	0.351	95.4	1134	2.956	0.040	31.2	98.0
	277.0	282.0	282.0	0.374	102.1	1123	3.602	0.048	35.2	98.5
	277.0	278.4	278.4	0.403	110.4	1110	4.288	0.057	38.3	98.9
	277.0	275.1	275.1	0.433	118.8	1096	4.984	0.065	40.8	99.0
	277.0	272.0	272.0	0.462	126.8	1082	5.647	0.073	42.8	99.1
	277.0	268.2	268.2	0.498	136.7	1064	6.349	0.080	43.9	99.1
	277.0	265.0	265.0	0.530	145.4	1046	6.994	0.087	44.7	99.1
7.59 OZ-FT	**277.0**	**261.9**	**261.9**	**0.561**	**154.0**	**1028**	**7.590**	**0.093**	**45.0**	**99.0**
	277.0	261.9	261.8	0.562	154.1	1028	7.600	0.093	45.0	99.0
	277.0	258.4	258.4	0.599	164.2	1005	8.149	0.098	44.3	98.9
	277.0	255.3	255.3	0.634	173.5	982	8.626	0.101	43.4	98.8
	277.0	252.4	252.4	0.667	182.3	958	9.036	0.103	42.2	98.7
	277.0	249.6	249.6	0.702	191.4	931	9.341	0.103	40.3	98.5
9.51 OZ-FT	**277.0**	**247.7**	**247.7**	**0.728**	**198.2**	**908**	**9.510**	**0.103**	**38.7**	**98.3**
	277.0	247.1	247.1	0.736	200.3	902	9.558	0.103	38.2	98.3
	277.0	245.0	245.0	0.767	208.2	872	9.679	0.100	36.0	98.0
BDT OZ-FT	**277.0**	**242.9**	**242.9**	**0.800**	**216.6**	**838**	**9.722**	**0.097**	**33.4**	**97.8**
	277.0	242.9	242.9	0.800	216.6	838	9.722	0.097	33.4	97.8
	277.0	241.3	241.3	0.828	223.6	805	9.662	0.093	30.9	97.5
	277.0	239.8	239.8	0.857	230.7	767	9.544	0.087	28.2	97.2
	277.0	238.7	238.6	0.883	237.0	729	9.339	0.081	25.5	96.9
	277.0	237.7	237.7	0.908	243.0	687	9.088	0.074	22.8	96.6
	277.0	237.0	236.9	0.931	248.2	645	8.737	0.067	20.2	96.3
	277.0	236.4	236.3	0.952	253.0	597	8.379	0.060	17.6	95.9
	277.0	236.0	236.0	0.971	257.2	549	7.936	0.052	15.0	95.6
	277.0	235.8	235.8	0.987	260.6	500	7.433	0.044	12.7	95.3
	277.0	235.9	235.8	1.002	263.6	445	7.034	0.037	10.5	95.0
	277.0	236.3	236.2	1.014	266.3	388	6.527	0.030	8.4	94.8
	277.0	236.9	236.9	1.024	268.4	333	6.104	0.024	6.7	94.6
	277.0	237.8	237.7	1.035	270.7	268	5.683	0.018	5.0	94.5
	277.0	238.8	238.7	1.043	272.7	202	5.169	0.012	3.4	94.4
	277.0	239.9	239.8	1.048	273.8	138	4.775	0.008	2.1	94.3
	277.0	241.2	241.2	1.053	275.3	64	4.018	0.003	0.8	94.4

Performance Data

5WJC2BG	REV. -



Curve Descriptions:

Motor(1) Test 16 Run 277V 60 Hz 6P
M2 CCW 5ufd Run

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

Motor Ratings:

(1) K048MRP1215 5WJC2BG

DRAWING NO.	PAGE 12 of 16	REV.
5WJC2BG		-

Performance Data

5WJC2BG	REV. -

Dayton Manufacturing Company

Motor Description

Model:	K048MRP1215	5WJC2BG
Motor ID:		
Poles:	6	
Volts:	277	
Frequency:	60	
HP:	1/8	
Speed:	1075	
Phase:	1	
Protector:	7AM036-A5	

Test Conditions

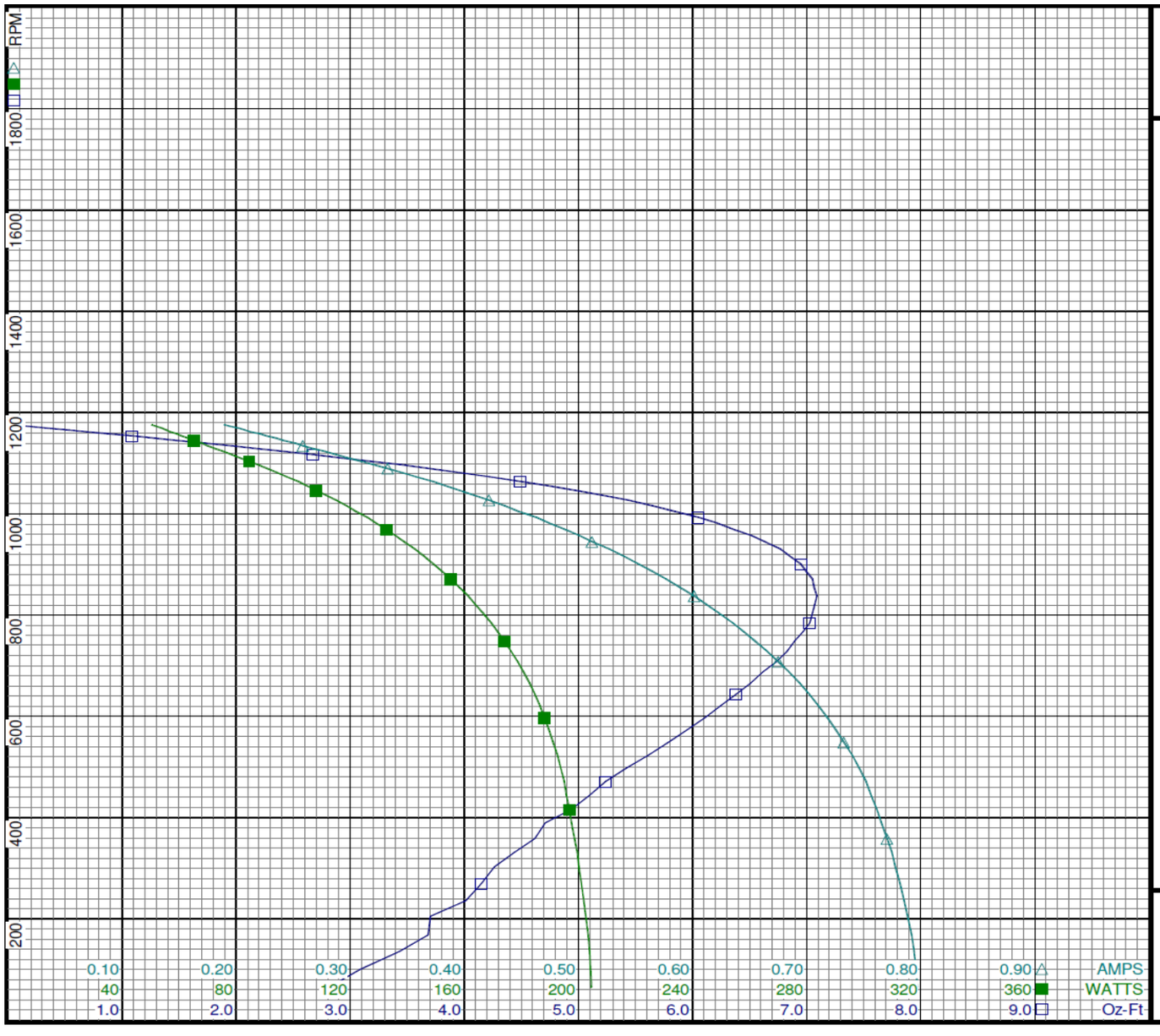
Test Type:	Run	Run Cap:	5
Test Number:	17	Start Cap:	0µfd
Poles:	6	Environment:	24.4 Deg C 51 % RH 965 hPa
Volts:	277	Tested:	10/14/2016 3:17:02 PM
Hz:	60	Tested By:	Navarro, Susana
Rotation:	CCW	Gear Ratio:	1:1
Special Cond:		Bearing Friction:	-0.61 Oz-Ft
Speed Conn:	M3	Windage Torque:	-0.88 Oz-Ft
TestBoard:	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(%)
	277.0	255.0	255.0	0.189	50.3	1176	0.000	0.000	0.0	96.0
	277.0	253.9	253.9	0.195	51.9	1172	0.177	0.002	3.6	96.2
	277.0	251.7	251.7	0.208	55.4	1165	0.533	0.007	9.9	96.4
	277.0	249.4	249.4	0.221	59.2	1158	0.891	0.012	15.5	96.6
	277.0	247.1	247.1	0.235	63.0	1149	1.280	0.018	20.7	96.9
	277.0	244.0	244.0	0.252	68.0	1139	1.730	0.023	25.7	97.4
	277.0	241.4	241.4	0.268	72.6	1128	2.187	0.029	30.2	97.9
	277.0	238.2	238.2	0.287	78.2	1117	2.668	0.035	33.8	98.4
	277.0	235.1	235.1	0.310	84.6	1103	3.185	0.042	36.9	98.6
	277.0	232.2	232.2	0.333	90.9	1089	3.700	0.048	39.4	98.6
	277.0	229.1	229.1	0.357	97.6	1073	4.218	0.054	41.2	98.6
	277.0	226.1	226.1	0.383	104.6	1055	4.729	0.059	42.4	98.6
	277.0	223.2	223.2	0.408	111.4	1036	5.207	0.064	43.0	98.5
	277.0	220.2	220.2	0.435	118.7	1015	5.649	0.068	42.9	98.4
5.94 OZ-FT	**277.0**	**218.2**	**218.1**	**0.455**	**123.8**	**999**	**5.940**	**0.071**	**42.6**	**98.3**
	277.0	217.3	217.3	0.463	125.9	993	6.050	0.071	42.4	98.2
	277.0	214.8	214.8	0.488	132.6	969	6.363	0.073	41.3	98.0
	277.0	212.5	212.5	0.512	138.7	945	6.631	0.075	40.1	97.8
	277.0	210.1	210.1	0.539	145.8	916	6.852	0.075	38.2	97.6
	277.0	208.1	208.0	0.565	152.1	886	6.997	0.074	36.2	97.3
	277.0	206.2	206.2	0.589	158.2	855	7.064	0.072	33.9	97.0
BDT OZ-FT	**277.0**	**205.4**	**205.4**	**0.601**	**161.3**	**837**	**7.089**	**0.071**	**32.7**	**96.8**
	277.0	204.7	204.7	0.612	163.7	821	7.072	0.069	31.5	96.6
	277.0	203.3	203.3	0.635	169.3	784	7.027	0.066	28.9	96.3
	277.0	202.3	202.3	0.655	173.9	749	6.893	0.061	26.4	95.9
	277.0	201.4	201.4	0.675	178.7	708	6.734	0.057	23.7	95.5
	277.0	200.7	200.7	0.694	182.8	665	6.509	0.052	21.0	95.1
	277.0	200.1	200.1	0.710	186.4	621	6.246	0.046	18.5	94.7
	277.0	199.8	199.8	0.726	189.6	573	5.950	0.041	16.0	94.3
	277.0	199.7	199.7	0.740	192.6	523	5.607	0.035	13.5	94.0
	277.0	199.8	199.8	0.752	195.0	471	5.237	0.029	11.2	93.6
	277.0	199.9	199.9	0.761	196.7	416	4.937	0.024	9.3	93.3
	277.0	200.4	200.4	0.771	198.6	358	4.616	0.020	7.4	93.0
	277.0	201.1	201.0	0.778	200.1	302	4.263	0.015	5.7	92.9
	277.0	202.0	202.0	0.785	201.8	235	4.010	0.011	4.2	92.8
	277.0	203.2	203.2	0.792	203.4	168	3.680	0.007	2.7	92.7
	277.0	204.1	204.1	0.796	204.2	99	3.083	0.004	1.3	92.6

DRAWING NO.	PAGE 13 of 16	REV.
5WJC2BG		-

Performance Data

5WJC2BG	REV. -



Curve Descriptions:

Motor(1) Test 17 Run 277V 60 Hz 6P
M3 CCW 5ufd Run

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

Motor Ratings:

(1) K048MRP1215 5WJC2BG

DRAWING NO.	PAGE 14 of 16	REV.
5WJC2BG		-

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

Performance Data

5WJC2BG	REV. -

Dayton Manufacturing Company

Motor Description

Model:	K048MRP1215	5WJC2BG
Motor ID:		
Poles:	6	
Volts:	277	
Frequency:	60	
HP:	1/8	
Speed:	1075	
Phase:	1	
Protector:	7AM036-A5	

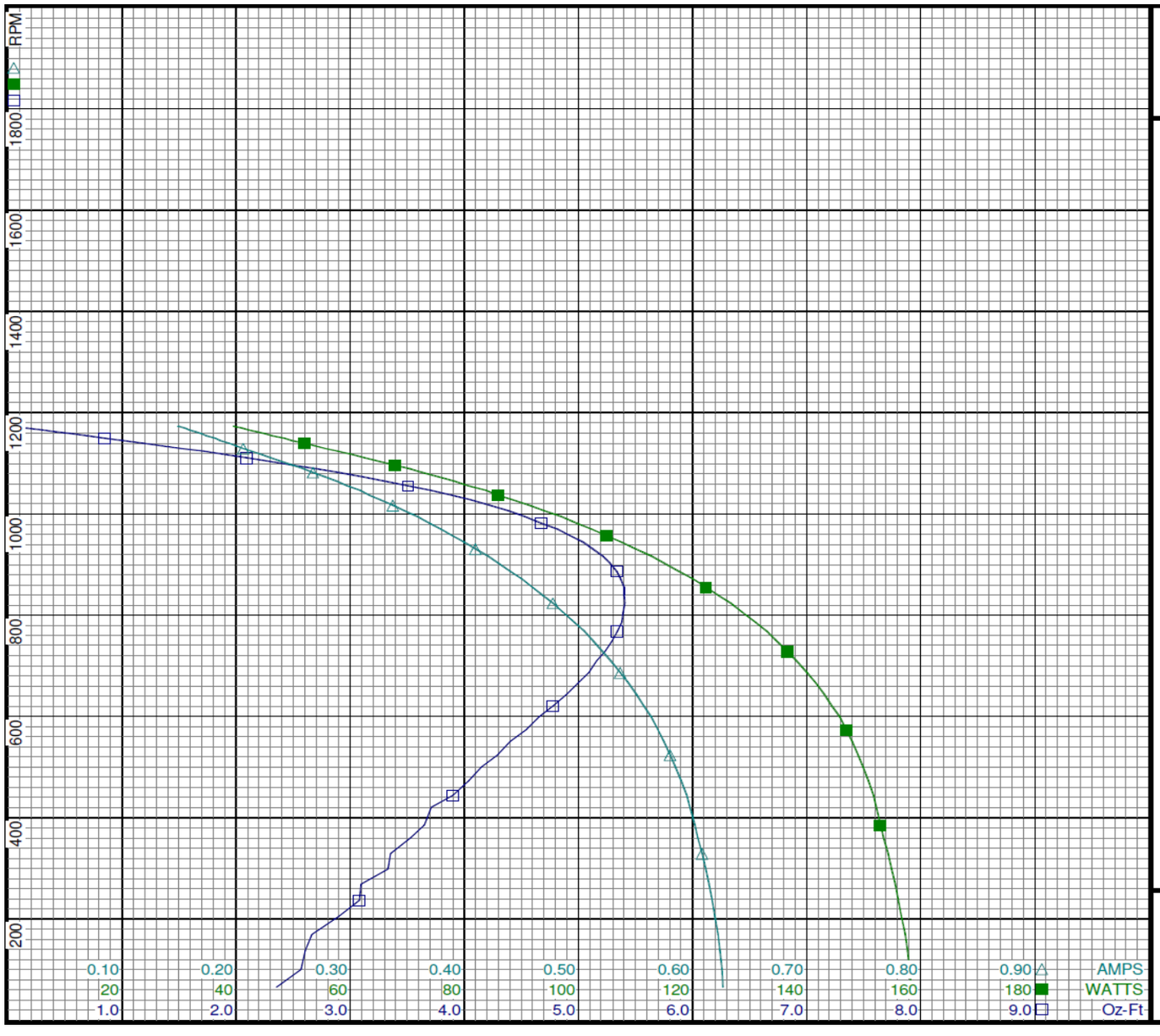
Test Conditions

Test Type:	Run	Run Cap:	5
Test Number:	18	Start Cap:	0µfd
Poles:	6	Environment:	24.4 Deg C 51 % RH 965 hPa
Volts:	277	Tested:	10/14/2016 3:11:35 PM
Hz:	60	Tested By:	Navarro, Susana
Rotation:	CCW	Gear Ratio:	1:1
Special Cond:		Bearing Friction:	-0.57 Oz-Ft
Speed Conn:	M4	Windage Torque:	-0.81 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(%)
	277.0	222.3	222.3	0.149	39.44	1173	0.000	0.000	0.0	95.6
	277.0	221.1	221.1	0.155	41.09	1169	0.165	0.002	4.2	95.6
	277.0	219.2	219.2	0.164	43.61	1162	0.415	0.006	9.8	95.9
	277.0	217.3	217.3	0.174	46.28	1154	0.698	0.010	15.4	96.1
	277.0	214.8	214.8	0.186	49.77	1144	1.013	0.014	20.7	96.6
	277.0	212.0	212.0	0.199	53.71	1134	1.338	0.018	25.1	97.2
	277.0	209.3	209.3	0.213	57.73	1124	1.714	0.023	29.6	97.8
	277.0	206.5	206.5	0.230	62.44	1111	2.088	0.028	33.0	98.1
	277.0	203.6	203.6	0.249	67.76	1096	2.493	0.033	35.8	98.1
	277.0	201.0	201.0	0.267	72.64	1082	2.902	0.037	38.4	98.1
	277.0	198.2	198.2	0.288	78.29	1064	3.304	0.042	39.9	98.1
	277.0	195.5	195.5	0.309	83.76	1046	3.703	0.046	41.1	98.0
	277.0	193.4	193.4	0.326	88.34	1028	4.049	0.050	41.8	97.9
	277.0	190.6	190.6	0.347	94.03	1006	4.390	0.053	41.7	97.7
4.63 OZ-FT	**277.0**	**188.6**	**188.5**	**0.366**	**98.91**	**985**	**4.630**	**0.054**	**41.0**	**97.5**
	277.0	188.2	188.2	0.369	99.72	981	4.672	0.055	40.8	97.5
	277.0	186.0	186.0	0.389	104.86	957	4.924	0.056	39.9	97.2
	277.0	184.0	183.9	0.410	110.02	931	5.126	0.057	38.5	97.0
	277.0	182.1	182.1	0.429	114.98	903	5.275	0.057	36.8	96.7
	277.0	180.4	180.4	0.450	120.08	871	5.369	0.056	34.6	96.3
	277.0	178.9	178.9	0.469	124.51	838	5.399	0.054	32.3	95.9
BDT OZ-FT	**277.0**	**178.3**	**178.3**	**0.478**	**126.66**	**824**	**5.405**	**0.053**	**31.2**	**95.8**
	277.0	177.7	177.7	0.486	128.65	806	5.391	0.052	30.0	95.5
	277.0	176.6	176.6	0.505	133.01	768	5.340	0.049	27.4	95.1
	277.0	175.7	175.7	0.521	136.59	728	5.232	0.045	24.8	94.7
	277.0	175.1	175.1	0.537	140.03	687	5.089	0.042	22.2	94.2
	277.0	174.7	174.6	0.551	143.08	643	4.895	0.037	19.5	93.8
	277.0	174.4	174.4	0.564	145.82	599	4.653	0.033	17.0	93.4
	277.0	174.1	174.1	0.575	147.97	550	4.402	0.029	14.5	92.9
	277.0	174.2	174.1	0.585	149.89	500	4.148	0.025	12.3	92.5
	277.0	174.3	174.3	0.595	151.72	444	3.898	0.021	10.1	92.1
	277.0	174.6	174.6	0.602	152.95	385	3.648	0.017	8.2	91.7
	277.0	175.4	175.4	0.608	154.30	329	3.351	0.013	6.3	91.6
	277.0	175.9	175.9	0.614	155.52	268	3.092	0.010	4.7	91.4
	277.0	176.8	176.8	0.619	156.59	205	2.900	0.007	3.4	91.3
	277.0	178.1	178.1	0.624	157.67	137	2.603	0.004	2.0	91.2
	277.0	179.0	179.0	0.627	158.30	65	2.351	0.002	0.9	91.2

Performance Data

5WJC2BG	REV. -



Curve Descriptions:

Motor(1) Test 18 Run 277V 60 Hz 6P
M4 CCW 5ufd Run

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

Motor Ratings:

(1) K048MRP1215 5WJC2BG

DRAWING NO.	PAGE 16 of 16	REV.
5WJC2BG		-

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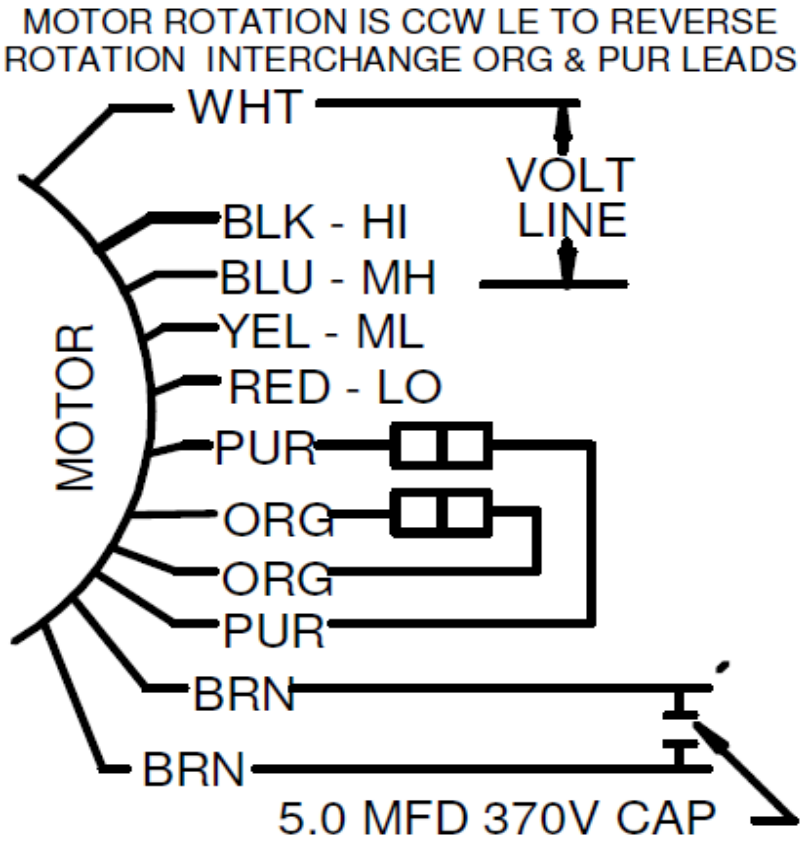
Wiring Diagram

5WJC2BG	REV. -



DRAWING NO.	PAGE 1 of 1	REV.
5WJC2BG		-

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

Dayton®

ROOM AIR CONDITIONER MOTOR

Part No
5WJC2BG

HP: 1/8
VOLTS: 277
AMPS: .72
RPM: 1075 / 4SPD
DUTY: CONT
ENCL: OAO

PH: 1
HZ: 60
FR: 42Y
INS CL: B
AMB: 60°C

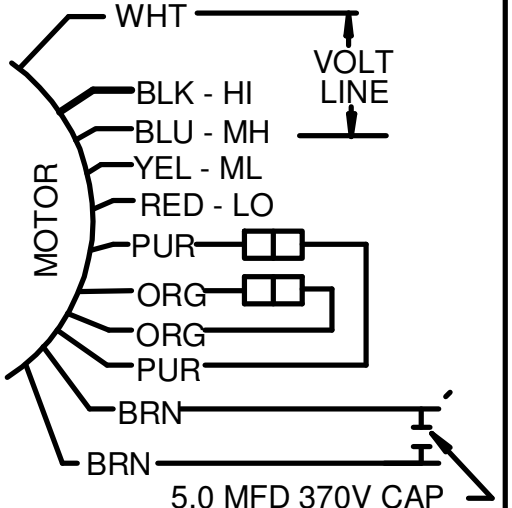
THERMALLY PROTECTED: AUTO
MFG. NO. PROT. CODE : 7A010 AVG.F.L
MTR REF: K48HXMRP-1215 EFF.

Disconnect Power Before Making Any Electrical Connections or Changes

E37403

258501

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



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

Made in Mexico