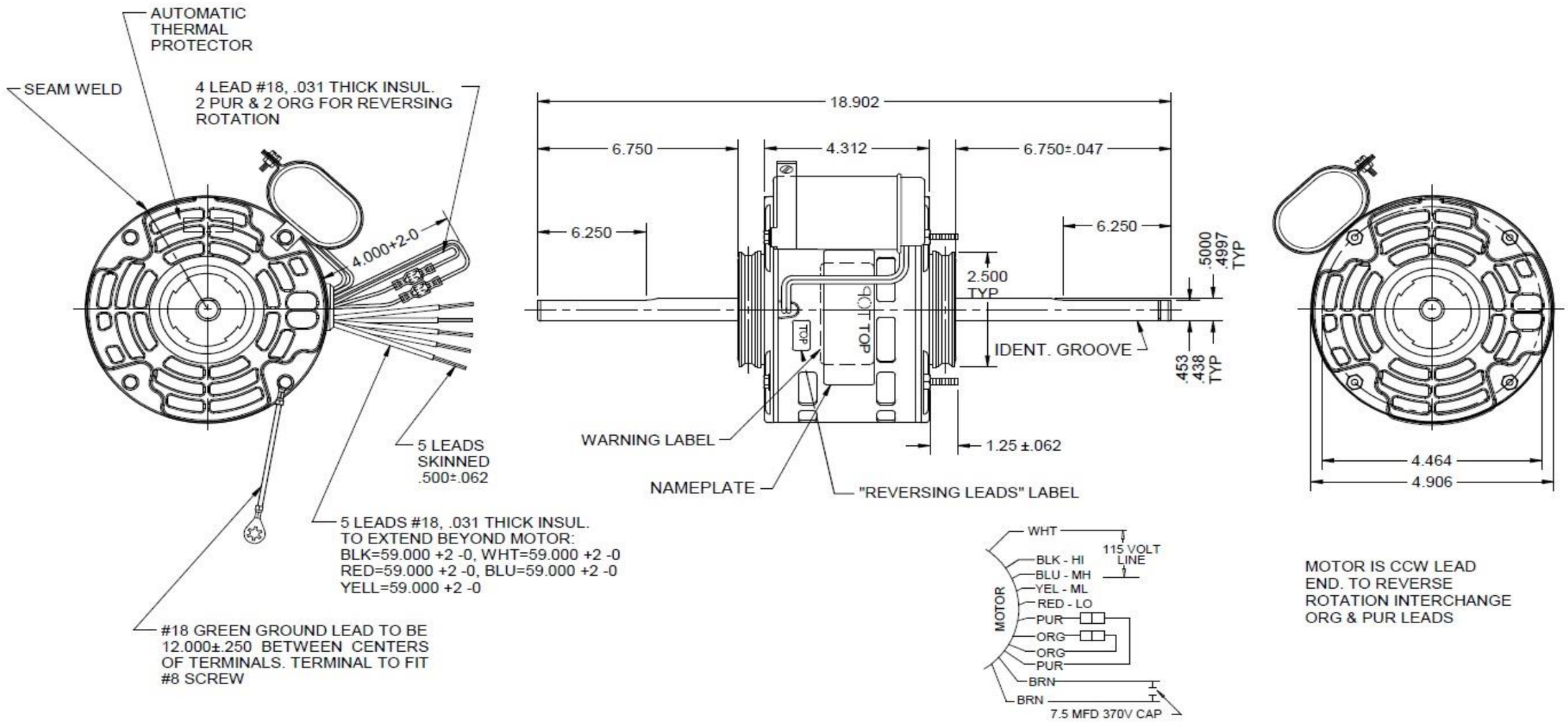
Dimensional Drawing

Dayton®

45EX59	REV. -

MODEL	REF	CUSTOMER	HP	VOLTS	AMPS	HZ	RPM	ROTATION	CUSTOMER PN	DESCRIPTION / REMARKS
K48HXMRN-1189	E42715	GRAINGER	1/6	115	2.5	60	1550/4SPD	C.CW. LEAD END REV	45EX59	42Y, SAB, OAO



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

Performance Data

45EX59	REV. -

SHADED-POLE & PSC MOTOR PERFORMANCE

HP:	1/6							
Poles:	4							
Ambient (ºC):	40							
Altitude (FASL)**:**								
No. of Speeds:	4							
HIGH SPEED								
Volts:	115	**115**						
HZ:	60	**60**						
Service Factor:	1.0							
Efficiency:	@ Rated Load	52.50						
Power Factor:	@ Rated Load	88.60						
Amps:	@ No Load	1.63						
	@ Rated Load	2.23						
	@ Locked Rotor	-						
RPM:	@ Rated Load	1595						
Torques:	Breakdown	12.89						
	Locked Rotor	-						
	Pull-Up	-						
	Rated Load	8.43						
	Service Factor	8.43						
Watts:	Rated Load	227.30						
Temperature Rise:	@ Rated Load	N/A						
Thermal Protector:	Trip Temp (ºC)	N/A						
Winding Material:	Start (Auxiliary)	Al						
	Run (Main)	Al						
Capacitor(s):	Run (MFD / Volts)	7.5 uF/370 V						
	No. of Run Capacitors	1						
MEDIUM-HIGH SPEED								
HP:	1/6							
Volts:	115	**115**						
HZ:	60	**60**						
Efficiency:	@ Rated Load	55.80						
Power Factor:	@ Rated Load	93.60						
Amps:	@ No Load	0.92						
	@ Rated Load	1.74						
	@ Locked Rotor	-						
Torques:	Breakdown	10.14						
Oz.Ft. / Lb.In. (Circle One)	Locked Rotor	-						
	Pull-Up	-						
	Rated Load	7.58						
Watts:	@ Rated Load	187.10						
Temperature Rise:	@ Rated Load	N/A						

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Performance Data

45EX59	REV. -

SHADED-POLE & PSC MOTOR PERFORMANCE

MEDIUM-LOW SPEED									
HP:	1/6								
Volts:	115	**115**							
HZ:	60	**60**							
Efficiency:	@ Rated Load	56.30							
Power Factor:	@ Rated Load	95.80							
Amps:	@ No Load	0.61							
	@ Rated Load	1.33							
Torques:	Breakdown	8.17							
Oz.Ft. / Lb.In.	Locked Rotor	-							
(Circle One)	Pull-Up	-							
	Rated Load	5.97							
Watts:	Rated Load	146.10							
Temperature Rise:	@ Rated Load	N/A							
Thermal Protector:	Trip Temp (ºC)	N/A							
Winding Material:	Start (Auxiliary)	Al							
	Run (Main)	Al							

LOW SPEED									
HP:	1/6								
Volts:	115	**115**							
HZ:	60	**60**							
Efficiency:	@ Rated Load	56.80							
Power Factor:	@ Rated Load	97.60							
Amps:	@ No Load	0.46							
	@ Rated Load	1.05							
Torques:	Breakdown	6.84							
Oz.Ft. / Lb.In.	Locked Rotor	4.18							
(Circle One)	Pull-Up	-							
	Rated Load	4.87							
Watts:	Rated Load	118.00							
Temperature Rise:	@ Rated Load	N/A							

Notes:

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Performance Curves

45EX59	REV. -

Dayton Manufacturing Company

Motor Description

Model:	K048MRN118901
Motor ID:	1/1
Poles:	4
Volts:	115
Frequency:	60
HP:	1/6
Speed:	1550
Phase:	1
Protector:	7AM036-A5

Test Conditions

Test Type:	Run	Run Cap:	0
Test Number:	1	Start Cap:	0µfd
Poles:	4	Environment:	23.5 Deg C 47 % RH 964 hPa
Volts:	115	Tested:	3/11/2016 8:49:25 AM
Hz:	60	Tested By:	Navarro, Susana
Rotation:		Gear Ratio:	1:1
Special Cond:		Bearing Friction:	-0.25 Oz-Ft
Speed Conn:	M1	Windage Torque:	-0.61 Oz-Ft
TestBoard:	CMD InLine Three Phase #2 Fixture #1		

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	226.6	265.9	1.631	1.804	0.782	100.4	1780	0.000	0.000	0.0	53.5	7.8
	115.0	226.2	265.2	1.630	1.793	0.781	102.2	1777	0.183	0.004	2.8	54.5	7.8
	115.0	224.9	263.3	1.628	1.760	0.775	107.5	1770	0.508	0.011	7.4	57.4	7.8
	115.0	223.7	261.5	1.634	1.737	0.770	112.9	1762	0.997	0.021	13.8	60.1	7.8
	115.0	222.2	259.3	1.643	1.712	0.763	119.4	1753	1.542	0.032	20.1	63.2	7.8
	115.0	220.5	256.8	1.664	1.693	0.755	127.4	1743	2.131	0.044	25.9	66.6	7.8
	115.0	218.7	253.8	1.695	1.680	0.747	136.2	1730	2.882	0.059	32.5	69.9	7.8
	115.0	216.6	251.0	1.737	1.680	0.739	146.2	1717	3.663	0.075	38.2	73.2	7.8
	115.0	214.3	247.8	1.790	1.689	0.729	157.2	1701	4.344	0.088	41.7	76.4	7.8
	115.0	211.4	243.7	1.857	1.708	0.717	170.1	1684	5.007	0.100	44.0	79.6	7.8
	115.0	208.3	240.0	1.928	1.743	0.706	182.2	1665	5.863	0.116	47.6	82.2	7.8
	115.0	204.8	235.7	2.011	1.790	0.693	195.7	1645	6.646	0.130	49.6	84.6	7.8
	115.0	200.6	230.7	2.112	1.859	0.679	210.6	1622	7.480	0.144	51.1	86.7	7.8
	115.0	196.1	225.7	2.219	1.943	0.664	225.8	1597	8.374	0.159	52.6	88.5	7.8
0.16 HP	**115.0**	**195.6**	**225.2**	**2.231**	**1.952**	**0.662**	**227.3**	**1595**	**8.427**	**0.160**	**52.5**	**88.6**	**7.8**
8.9 OZ-FT	**115.0**	**191.9**	**221.0**	**2.324**	**2.030**	**0.650**	**239.8**	**1575**	**8.900**	**0.167**	**51.9**	**89.7**	**7.8**
	115.0	191.0	220.1	2.342	2.046	0.647	242.3	1569	9.117	0.170	52.4	90.0	7.8
1550 RPM	**115.0**	**187.6**	**216.5**	**2.427**	**2.123**	**0.637**	**253.2**	**1550**	**9.678**	**0.179**	**52.6**	**90.7**	**7.8**
	115.0	185.5	214.3	2.477	2.169	0.631	259.5	1539	10.080	0.185	53.1	91.1	7.8
	115.0	179.8	208.3	2.615	2.301	0.613	276.7	1507	10.675	0.191	51.6	92.0	7.8
	115.0	174.2	202.7	2.748	2.433	0.596	293.0	1474	11.246	0.197	50.3	92.7	7.8
	115.0	167.6	196.1	2.908	2.596	0.577	311.8	1434	11.708	0.200	47.8	93.3	7.8
	115.0	161.2	190.1	3.058	2.754	0.559	329.4	1394	12.063	0.200	45.3	93.7	7.8
	115.0	154.6	184.1	3.207	2.914	0.542	346.6	1352	12.512	0.201	43.3	94.0	7.8
	115.0	147.9	178.1	3.360	3.078	0.524	363.9	1306	12.593	0.196	40.1	94.2	7.8
BDT OZ-FT	**115.0**	**144.3**	**175.2**	**3.434**	**3.161**	**0.516**	**372.1**	**1281**	**12.885**	**0.196**	**39.4**	**94.2**	**7.8**
	115.0	140.9	172.2	3.511	3.244	0.507	380.8	1256	12.556	0.188	36.8	94.3	7.8
	115.0	134.1	166.8	3.657	3.406	0.491	396.9	1204	12.686	0.182	34.2	94.4	7.8
	115.0	127.2	161.5	3.798	3.565	0.475	412.4	1149	12.646	0.173	31.3	94.4	7.8
	115.0	120.5	156.6	3.931	3.716	0.461	426.7	1092	12.399	0.161	28.2	94.4	7.8
	115.0	113.7	151.9	4.062	3.865	0.447	440.6	1030	12.228	0.150	25.4	94.3	7.8
	115.0	106.4	147.2	4.191	4.015	0.433	454.2	962	11.776	0.135	22.2	94.2	7.8
	115.0	99.8	143.2	4.302	4.145	0.421	465.7	896	11.286	0.120	19.3	94.1	7.8
	115.0	92.8	139.2	4.408	4.271	0.410	476.6	823	10.872	0.107	16.7	94.0	7.8
	115.0	85.5	135.2	4.506	4.392	0.398	486.3	744	10.128	0.090	13.8	93.8	7.8
	115.0	78.3	131.9	4.585	4.492	0.388	493.9	663	9.516	0.075	11.3	93.7	7.8
	115.0	71.7	129.8	4.641	4.569	0.382	499.5	584	9.183	0.064	9.5	93.6	7.8
	115.0	64.7	129.0	4.698	4.647	0.380	505.8	490	8.564	0.050	7.4	93.6	7.8
	115.0	59.2	129.0	4.745	4.712	0.380	511.2	400	7.950	0.038	5.5	93.7	7.8
	115.0	53.7	129.3	4.790	4.774	0.381	516.2	300	7.081	0.025	3.7	93.7	7.8
	115.0	48.3	129.7	4.824	4.826	0.382	520.0	199	6.361	0.015	2.2	93.7	7.8
	115.0	42.6	130.1	4.839	4.860	0.383	521.7	93	5.818	0.006	0.9	93.8	7.8

Performance Data

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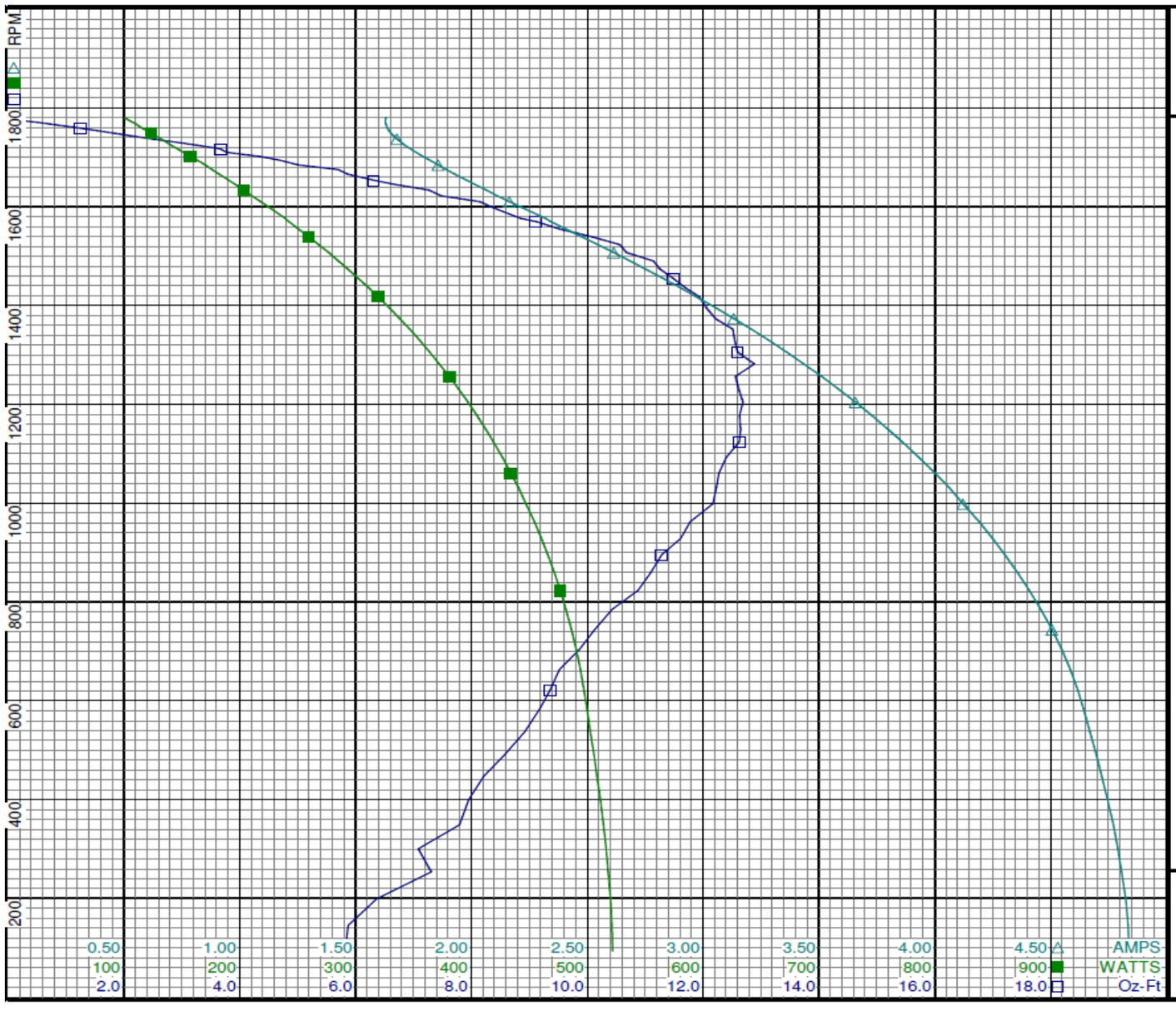

Dayton

Curve Descriptions:

Motor(1) Test 1 Run 115V 60 Hz 4P
M1

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

Motor Ratings:

(1) K048MRN118901 ID: 1/1

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Performance Data

45EX59	REV. -

Dayton Manufacturing Company

Motor Description

Model:	K048MRN118901
Motor ID:	1/1
Poles:	4
Volts:	115
Frequency:	60
HP:	1/6
Speed:	1550
Phase:	1
Protector:	7AM036-A5

Test Conditions

Test Type:	Run	Run Cap:	0
Test Number:	2	Start Cap:	0µfd
Poles:	4	Environment:	23.5 Deg C 47 % RH 964 hPa
Volts:	115	Tested:	3/11/2016 8:51:55 AM
Hz:	60	Tested By:	Navarro, Susana
Rotation:		Gear Ratio:	1:1
Special Cond:		Bearing Friction:	-0.27 Oz-Ft
Speed Conn:	M2	Windage Torque:	-0.57 Oz-Ft
TestBoard:	CMD InLine Three Phase #2 Fixture #1		

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	208.1	246.9	0.920	1.074	0.726	71.4	1777	0.000	0.000	0.0	67.4	7.8
	115.0	206.8	245.0	0.935	1.056	0.721	75.5	1770	0.333	0.007	6.9	70.2	7.8
	115.0	205.6	243.2	0.953	1.044	0.715	79.6	1763	0.787	0.017	15.5	72.6	7.8
	115.0	203.8	240.6	0.980	1.029	0.708	85.2	1753	1.179	0.025	21.5	75.6	7.8
	115.0	201.8	238.0	1.016	1.023	0.700	91.4	1742	1.599	0.033	27.1	78.2	7.8
	115.0	199.9	235.1	1.058	1.023	0.692	98.2	1730	2.124	0.044	33.2	80.7	7.8
	115.0	197.5	231.6	1.117	1.032	0.681	107.0	1716	2.667	0.054	38.0	83.3	7.8
	115.0	195.2	228.2	1.174	1.051	0.671	115.0	1700	3.367	0.068	44.2	85.2	7.8
	115.0	192.2	224.9	1.237	1.079	0.661	123.8	1684	3.768	0.076	45.5	87.0	7.8
	115.0	188.7	220.7	1.316	1.120	0.649	134.5	1664	4.423	0.088	48.6	88.9	7.8
	115.0	185.2	216.9	1.392	1.171	0.638	144.3	1644	5.121	0.100	51.8	90.1	7.8
	115.0	181.2	212.5	1.480	1.233	0.625	155.5	1622	5.660	0.109	52.4	91.4	7.8
	115.0	176.7	207.8	1.577	1.314	0.611	167.5	1595	6.476	0.123	54.8	92.4	7.8
	115.0	172.0	202.9	1.678	1.403	0.597	179.8	1567	7.164	0.134	55.5	93.2	7.8
1550 RPM	**115.0**	**169.1**	**200.0**	**1.739**	**1.460**	**0.588**	**187.1**	**1550**	**7.577**	**0.140**	**55.8**	**93.6**	**7.8**
	115.0	167.3	198.1	1.778	1.496	0.583	191.8	1539	7.629	0.140	54.4	93.8	7.8
	115.0	161.9	192.9	1.893	1.609	0.567	205.2	1505	8.336	0.149	54.3	94.3	7.8
	115.0	156.6	187.7	2.005	1.722	0.552	218.1	1470	8.705	0.152	52.1	94.6	7.8
8.9 OZ-FT	**115.0**	**154.2**	**185.6**	**2.052**	**1.771**	**0.546**	**223.6**	**1455**	**8.900**	**0.154**	**51.4**	**94.8**	**7.8**
	115.0	150.9	182.5	2.119	1.842	0.537	231.2	1433	9.140	0.156	50.3	94.9	7.8
	115.0	145.3	177.5	2.233	1.964	0.522	244.1	1393	9.384	0.156	47.5	95.1	7.8
	115.0	139.5	172.5	2.350	2.090	0.507	257.3	1350	9.551	0.154	44.5	95.2	7.8
	115.0	133.7	167.7	2.459	2.212	0.493	269.4	1305	9.809	0.152	42.2	95.3	7.8
BDT OZ-FT	**115.0**	**127.3**	**162.8**	**2.576**	**2.344**	**0.479**	**282.3**	**1254**	**10.135**	**0.151**	**40.0**	**95.3**	**7.8**
	115.0	127.3	162.8	2.576	2.344	0.479	282.3	1254	10.135	0.151	40.0	95.3	7.8
	115.0	121.4	158.2	2.686	2.468	0.466	294.3	1204	9.853	0.141	35.8	95.3	7.8
	115.0	115.6	154.2	2.789	2.586	0.454	305.3	1151	9.906	0.136	33.2	95.2	7.8
	115.0	109.4	150.0	2.898	2.713	0.441	316.9	1088	9.841	0.127	30.0	95.1	7.8
	115.0	103.3	146.1	3.000	2.832	0.430	327.7	1026	9.614	0.117	26.7	95.0	7.8
	115.0	97.3	142.7	3.090	2.940	0.420	337.0	960	9.544	0.109	24.1	94.9	7.8
	115.0	91.2	139.3	3.179	3.047	0.410	346.2	891	9.276	0.098	21.2	94.7	7.8
	115.0	85.1	136.0	3.260	3.147	0.400	354.4	818	8.612	0.084	17.6	94.5	7.8
	115.0	79.3	133.1	3.327	3.231	0.392	360.9	746	8.238	0.073	15.1	94.3	7.8
	115.0	72.5	130.3	3.389	3.315	0.383	366.9	660	7.779	0.061	12.4	94.1	7.8
	115.0	66.0	128.7	3.435	3.381	0.378	371.4	573	7.209	0.049	9.9	94.0	7.8
	115.0	60.9	128.6	3.474	3.436	0.378	375.7	487	7.222	0.042	8.3	94.0	7.8
	115.0	56.0	129.0	3.516	3.493	0.380	380.4	394	6.580	0.031	6.0	94.1	7.8
	115.0	51.7	129.4	3.546	3.538	0.381	383.9	302	6.447	0.023	4.5	94.1	7.8
	115.0	46.9	130.0	3.575	3.583	0.383	387.1	198	5.570	0.013	2.5	94.2	7.8
	115.0	42.2	130.5	3.590	3.614	0.384	388.7	96	4.833	0.006	1.1	94.2	7.8

DRAWING NO.	PAGE 3 of 8	REV.
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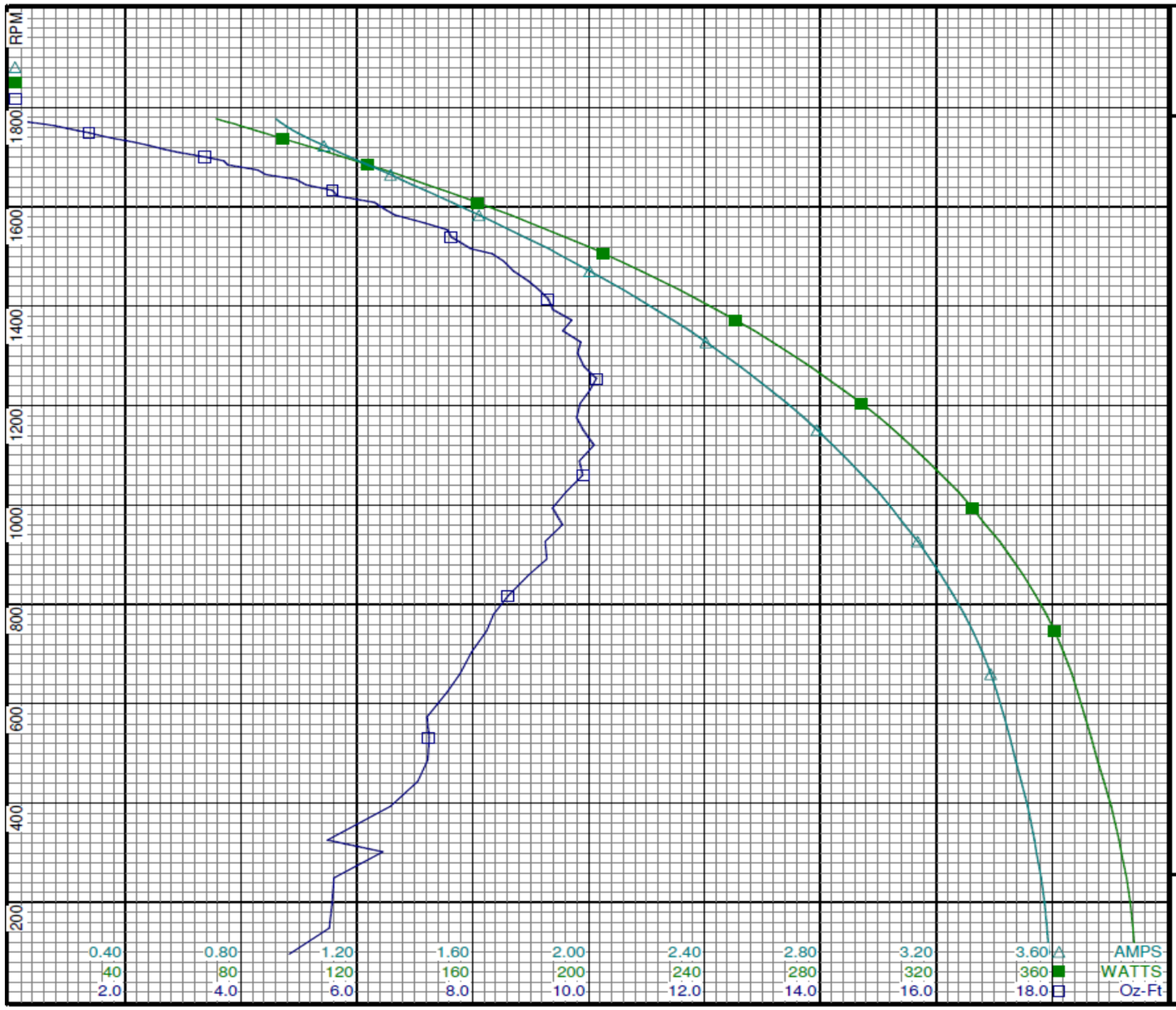
Performance Data

45EX59	REV. -



Curve Descriptions:

Motor(1) Test 2 Run 115V 60 Hz 4P
M2

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

Motor Ratings:

(1) K048MRN118901 ID: 1/1

DRAWING NO. 45EX59	PAGE 4 of 8	REV. -

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

Performance Data

45EX59	REV. -

Dayton Manufacturing Company

Motor Description

Model:	K048MRN118901
Motor ID:	1/1
Poles:	4
Volts:	115
Frequency:	60
HP:	1/6
Speed:	1550
Phase:	1
Protector:	7AM036-A5

Test Conditions

Test Type:	Run	Run Cap:	0
Test Number:	3	Start Cap:	0µfd
Poles:	4	Environment:	23.5 Deg C 47 % RH 964 hPa
Volts:	115	Tested:	3/11/2016 8:55:55 AM
Hz:	60	Tested By:	Navarro, Susana
Rotation:		Gear Ratio:	1:1
Special Cond:		Bearing Friction:	-0.27 Oz-Ft
Speed Conn:	M3	Windage Torque:	-0.60 Oz-Ft
TestBoard:	CMD InLine Three Phase #2 Fixture #1		

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	192.6	233.0	0.607	0.746	0.685	56.5	1776	0.000	0.000	0.0	81.0	7.8
	115.0	191.4	231.4	0.625	0.732	0.680	59.7	1770	0.217	0.005	5.7	83.1	7.8
	115.0	190.1	229.6	0.646	0.721	0.675	63.0	1763	0.496	0.010	12.3	84.9	7.8
	115.0	188.3	227.1	0.675	0.710	0.668	67.3	1753	0.788	0.016	18.2	86.7	7.8
	115.0	186.0	224.1	0.713	0.704	0.659	72.4	1742	1.154	0.024	24.7	88.3	7.8
	115.0	184.2	221.0	0.753	0.704	0.650	77.6	1730	1.568	0.032	31.1	89.6	7.8
	115.0	181.7	217.3	0.805	0.714	0.639	84.0	1716	2.129	0.043	38.6	90.8	7.8
	115.0	179.0	214.0	0.856	0.731	0.629	90.3	1700	2.576	0.052	43.1	91.7	7.8
	115.0	176.3	210.7	0.908	0.752	0.620	96.7	1686	2.882	0.058	44.6	92.6	7.8
	115.0	173.0	207.0	0.974	0.789	0.609	104.6	1665	3.579	0.071	50.6	93.4	7.8
	115.0	169.6	203.1	1.045	0.831	0.597	113.1	1644	4.116	0.081	53.1	94.1	7.8
	115.0	166.3	199.2	1.114	0.878	0.586	121.4	1621	4.812	0.093	57.1	94.8	7.8
	115.0	161.8	195.0	1.199	0.947	0.573	131.3	1595	5.168	0.098	55.7	95.3	7.8
	115.0	157.7	191.0	1.273	1.018	0.562	140.0	1569	5.648	0.105	56.2	95.6	7.8
1550 RPM	**115.0**	**154.8**	**188.2**	**1.325**	**1.067**	**0.554**	**146.1**	**1550**	**5.971**	**0.110**	**56.3**	**95.8**	**7.8**
	115.0	153.6	187.0	1.349	1.090	0.550	148.7	1541	6.058	0.111	55.7	95.9	7.8
	115.0	148.7	182.1	1.447	1.182	0.536	160.0	1505	6.701	0.120	56.0	96.1	7.8
	115.0	143.7	177.6	1.537	1.274	0.522	170.2	1469	7.016	0.123	53.8	96.3	7.8
	115.0	139.1	173.5	1.622	1.363	0.510	179.8	1434	7.340	0.125	52.0	96.4	7.8
	115.0	133.6	169.1	1.713	1.468	0.497	189.9	1394	7.629	0.127	49.7	96.4	7.8
	115.0	128.2	164.7	1.805	1.571	0.485	200.2	1350	7.949	0.128	47.6	96.4	7.8
BDT OZ-FT	**115.0**	**123.0**	**160.6**	**1.893**	**1.670**	**0.473**	**209.8**	**1304**	**8.167**	**0.127**	**45.1**	**96.4**	**7.8**
	115.0	123.0	160.6	1.893	1.670	0.473	209.8	1304	8.167	0.127	45.1	96.4	7.8
	115.0	117.8	156.6	1.984	1.772	0.461	219.8	1257	7.812	0.117	39.7	96.3	7.8
	115.0	112.1	152.7	2.075	1.879	0.449	229.6	1201	8.041	0.115	37.4	96.2	7.8
	115.0	107.0	149.3	2.156	1.974	0.439	238.3	1150	7.999	0.109	34.3	96.1	7.8
	115.0	101.4	145.8	2.238	2.072	0.429	247.0	1089	8.054	0.104	31.5	96.0	7.8
	115.0	96.3	142.8	2.315	2.164	0.420	255.0	1027	8.022	0.098	28.7	95.8	7.8
	115.0	90.7	139.7	2.391	2.257	0.411	263.0	961	7.761	0.089	25.2	95.7	7.8
	115.0	85.4	136.9	2.459	2.342	0.403	270.0	892	7.377	0.078	21.6	95.5	7.8
	115.0	79.8	134.3	2.524	2.423	0.395	276.5	819	7.177	0.070	18.9	95.3	7.8
	115.0	74.2	131.7	2.580	2.498	0.387	281.9	740	6.866	0.060	16.0	95.0	7.8
	115.0	69.0	129.7	2.622	2.556	0.382	285.9	666	6.629	0.053	13.7	94.8	7.8
	115.0	63.1	128.3	2.660	2.613	0.378	289.6	577	6.303	0.043	11.1	94.7	7.8
	115.0	58.4	128.4	2.691	2.659	0.378	293.1	489	6.324	0.037	9.4	94.7	7.8
	115.0	54.1	129.0	2.725	2.707	0.379	296.9	397	5.739	0.027	6.8	94.8	7.8
	115.0	50.0	129.6	2.757	2.753	0.381	300.5	297	5.381	0.019	4.7	94.8	7.8
	115.0	46.3	130.0	2.777	2.786	0.383	302.7	207	4.813	0.012	2.9	94.8	7.8
	115.0	41.8	130.9	2.791	2.816	0.386	304.3	94	4.426	0.005	1.2	94.8	7.8

Performance Data

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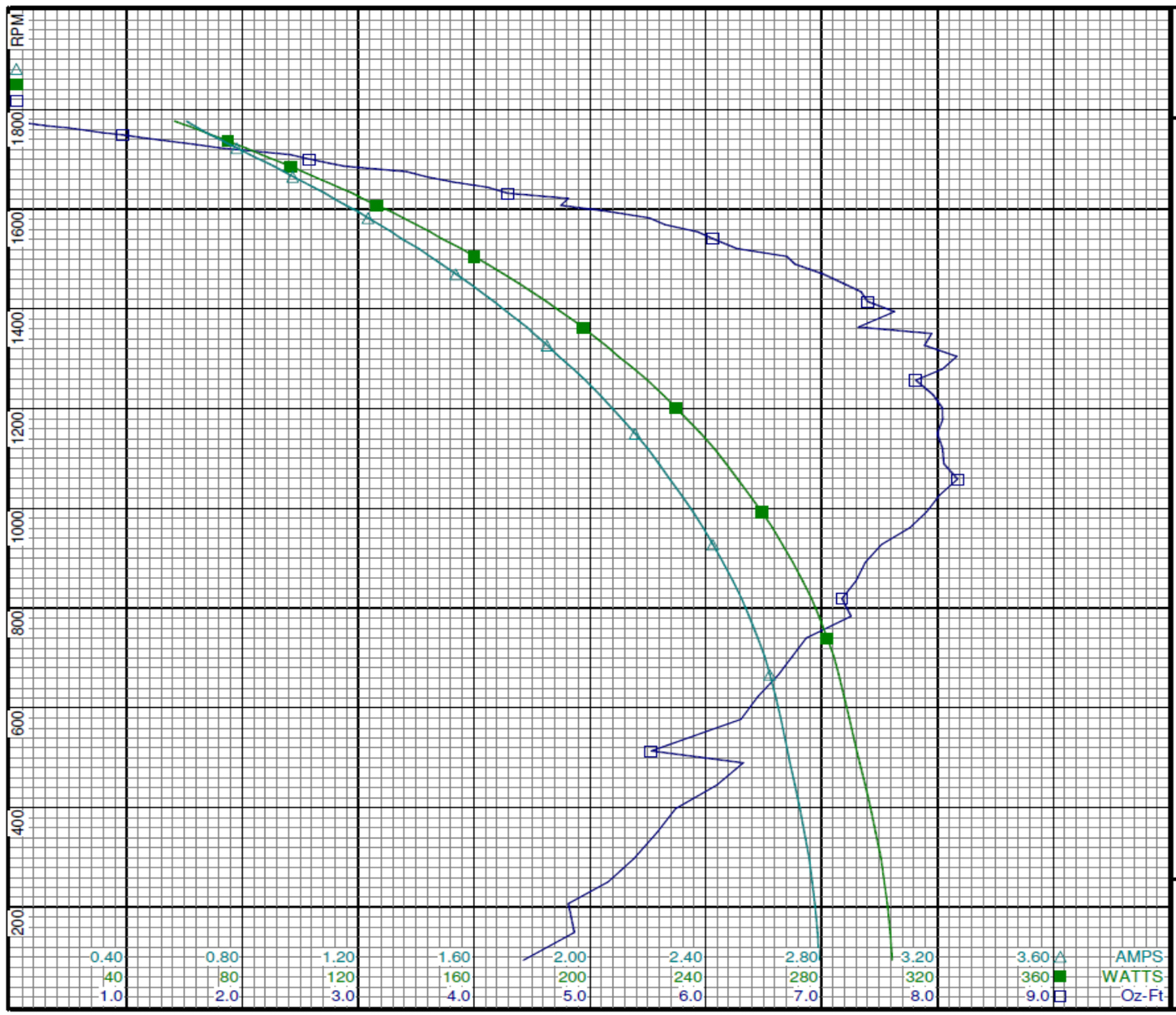

Dayton

Curve Descriptions:

Motor(1) Test 3 Run 115V 60 Hz 4P
M3

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

Motor Ratings:

(1) K048MRN118901 ID: 1/1

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Performance Data

45EX59	REV. -

Dayton Manufacturing Company

Motor Description

Model:	K048MRN118901
Motor ID:	1/1
Poles:	4
Volts:	115
Frequency:	60
HP:	1/6
Speed:	1550
Phase:	1
Protector:	7AM036-A5

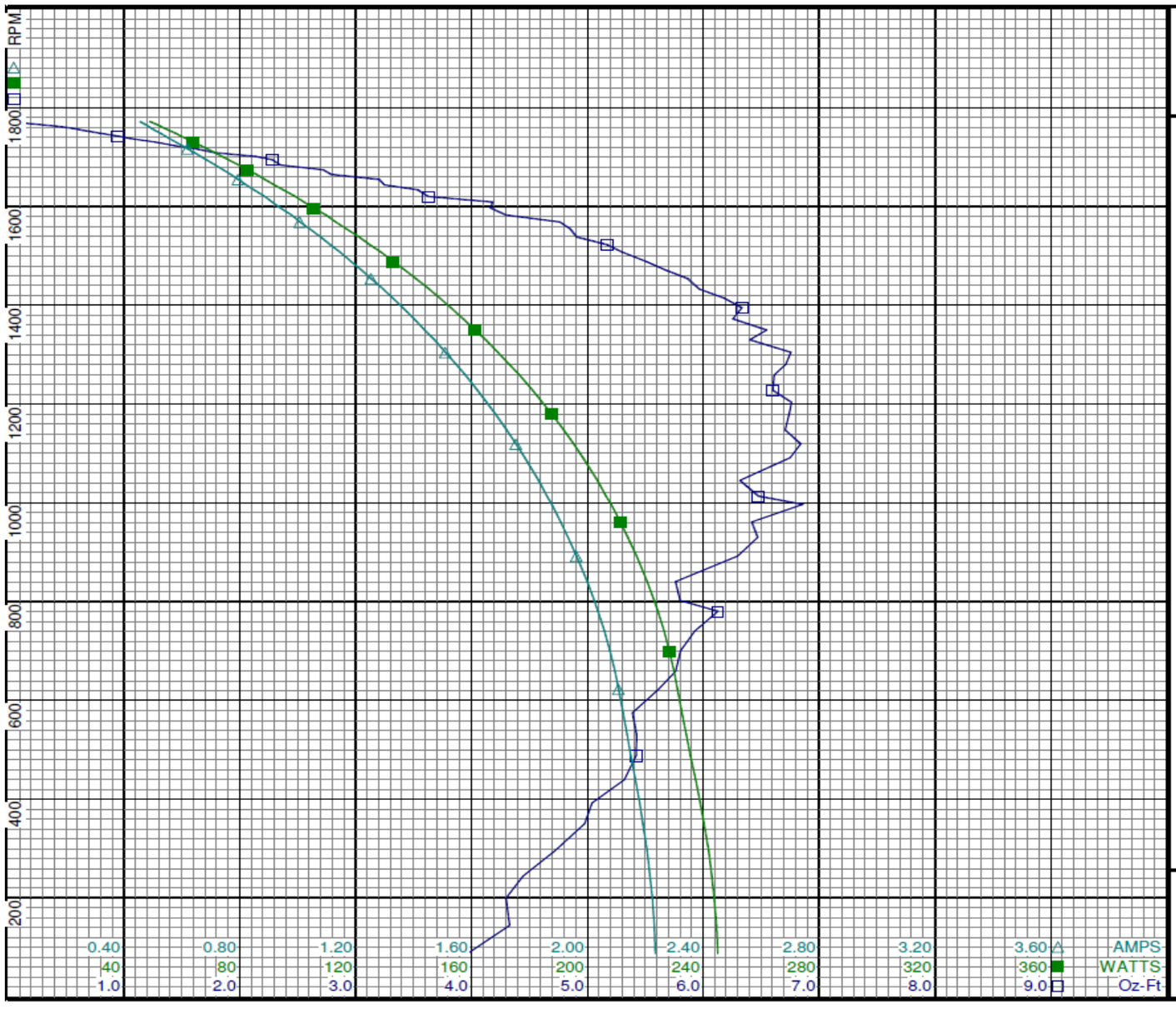
Test Conditions

Test Type:	Run	Run Cap:	0
Test Number:	4	Start Cap:	0µfd
Poles:	4	Environment:	23.5 Deg C 47 % RH 964 hPa
Volts:	115	Tested:	3/11/2016 8:59:03 AM
Hz:	60	Tested By:	Navarro, Susana
Rotation:		Gear Ratio:	1:1
Special Cond:		Bearing Friction:	-0.23 Oz-Ft
Speed Conn:	M4	Windage Torque:	-0.47 Oz-Ft
TestBoard:	CMD InLine Three Phase #2 Fixture #1		

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	178.1	220.4	0.455	0.552	0.648	48.8	1771	0.000	0.000	0.0	93.4	7.8
	115.0	177.2	219.2	0.470	0.544	0.645	50.9	1767	0.209	0.004	6.4	94.1	7.8
	115.0	175.8	217.3	0.495	0.533	0.639	54.0	1758	0.554	0.012	16.0	94.9	7.8
	115.0	173.9	214.7	0.527	0.522	0.632	57.9	1747	0.802	0.017	21.5	95.6	7.8
	115.0	172.1	212.1	0.556	0.518	0.624	61.4	1737	1.054	0.022	26.5	96.0	7.8
	115.0	169.4	208.2	0.601	0.520	0.613	66.6	1723	1.443	0.030	33.1	96.3	7.8
	115.0	167.0	204.6	0.644	0.529	0.602	71.4	1709	1.785	0.036	37.9	96.5	7.8
	115.0	164.4	201.4	0.685	0.544	0.593	76.1	1694	2.283	0.046	45.1	96.6	7.8
	115.0	161.0	197.5	0.742	0.571	0.581	82.7	1674	2.719	0.054	48.9	96.9	7.8
	115.0	158.0	194.0	0.794	0.601	0.571	88.6	1654	3.203	0.063	53.1	97.1	7.8
	115.0	154.8	190.8	0.849	0.638	0.561	94.9	1633	3.536	0.069	54.0	97.3	7.8
	115.0	151.2	187.0	0.911	0.686	0.550	102.1	1608	4.181	0.080	58.5	97.4	7.8
	115.0	147.4	183.2	0.979	0.742	0.539	109.8	1582	4.297	0.081	55.0	97.6	7.8
	115.0	143.7	179.8	1.041	0.800	0.529	116.8	1554	4.851	0.090	57.3	97.6	7.8
1550 RPM	**115.0**	**143.1**	**179.2**	**1.051**	**0.810**	**0.527**	**118.0**	**1550**	**4.867**	**0.090**	**56.8**	**97.6**	**7.8**
	115.0	139.4	175.8	1.112	0.870	0.517	124.8	1522	5.168	0.094	56.0	97.6	7.8
	115.0	135.0	171.8	1.185	0.944	0.505	133.0	1488	5.513	0.098	54.8	97.6	7.8
	115.0	130.8	168.2	1.254	1.017	0.495	140.8	1453	5.866	0.102	53.8	97.6	7.8
	115.0	126.1	164.2	1.328	1.099	0.483	149.1	1414	6.181	0.104	52.1	97.6	7.8
	115.0	121.5	160.5	1.401	1.181	0.472	157.1	1372	6.256	0.102	48.5	97.5	7.8
	115.0	116.9	157.0	1.471	1.261	0.462	164.9	1330	6.401	0.101	45.8	97.4	7.8
	115.0	111.8	153.4	1.546	1.348	0.451	173.0	1280	6.714	0.102	44.1	97.3	7.8
	115.0	107.0	150.0	1.621	1.435	0.441	181.1	1228	6.601	0.096	39.7	97.2	7.8
	115.0	102.6	147.2	1.682	1.509	0.433	187.6	1179	6.741	0.095	37.6	97.0	7.8
BDT OZ-FT	**115.0**	**97.4**	**144.0**	**1.753**	**1.596**	**0.423**	**195.2**	**1119**	**6.841**	**0.091**	**34.8**	**96.8**	**7.8**
	115.0	97.4	144.0	1.753	1.596	0.423	195.2	1119	6.841	0.091	34.8	96.8	7.8
	115.0	91.5	140.7	1.832	1.693	0.413	203.5	1045	6.316	0.079	28.8	96.6	7.8
	115.0	87.8	138.7	1.877	1.749	0.408	208.2	996	6.858	0.081	29.2	96.5	7.8
	115.0	83.2	136.5	1.933	1.820	0.401	214.0	929	6.468	0.072	25.0	96.3	7.8
	115.0	76.9	133.6	1.999	1.907	0.393	220.6	840	5.761	0.058	19.5	96.0	7.8
	115.0	73.3	131.9	2.036	1.953	0.388	224.3	780	6.126	0.057	18.9	95.8	7.8
	115.0	68.1	129.8	2.078	2.012	0.382	228.2	700	5.804	0.048	15.8	95.5	7.8
	115.0	63.3	128.4	2.108	2.057	0.378	231.1	623	5.615	0.042	13.4	95.3	7.8
	115.0	58.3	128.1	2.137	2.102	0.377	234.1	531	5.424	0.034	10.9	95.3	7.8
	115.0	54.3	128.7	2.166	2.145	0.379	237.4	439	5.318	0.028	8.7	95.3	7.8
	115.0	50.9	129.3	2.191	2.182	0.380	240.2	350	4.975	0.021	6.4	95.3	7.8
	115.0	47.1	130.1	2.216	2.220	0.383	242.9	244	4.446	0.013	4.0	95.3	7.8
	115.0	43.4	130.6	2.231	2.249	0.385	244.5	144	4.328	0.007	2.3	95.3	7.8

Performance Data

45EX59	REV. -



Dayton

Curve Descriptions:

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

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

Motor Ratings:

(1) K048MRN118901 ID: 1/1

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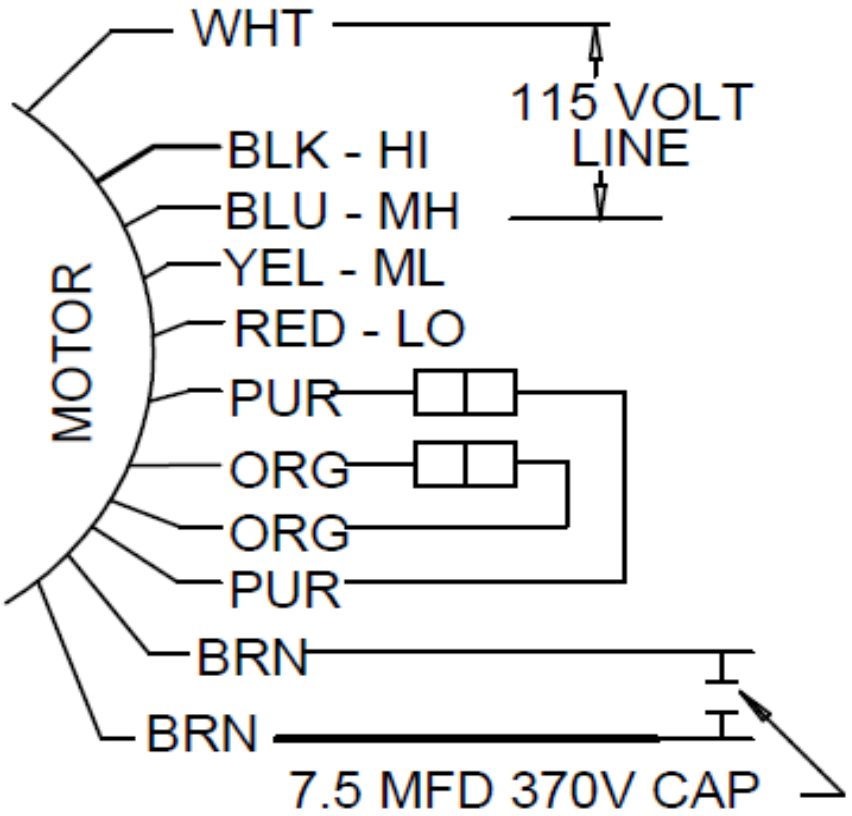
Dayton Electric Mfg. Co. Lake Forest, IL 60045 USA

Wiring Diagram

45EX59	REV. -



MOTOR IS CCW LEAD END. TO REVERSE
ROTATION INTERCHANGE ORG & PUR LEADS

DRAWING NO.	PAGE 1 of 1	REV.
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Dayton®

ROOM AIR CONDITIONER MOTOR

Part No
45EX59

Disconnect Power Before Making Any Electrical Connections or Changes

E37403

258501

HP: 1/6
VOLTS: 115
AMPS: 2.5
RPM: 1550 / 4SPD
DUTY: CONT
ENCL: OAO

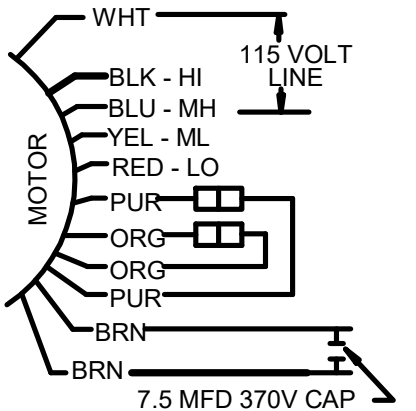
PH: 1
HZ: 60
FR: 42Y
INS CL: B
AMB: 40°C

THERMALLY PROTECTED: AUTO

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

MTR REF: K48HXMRN-1189 EFF.

MOTOR IS CCW L.E. TO
REVERSE ROTATION
INTERCHANGE ORG & PUR LEADS



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

MADE IN MEXICO