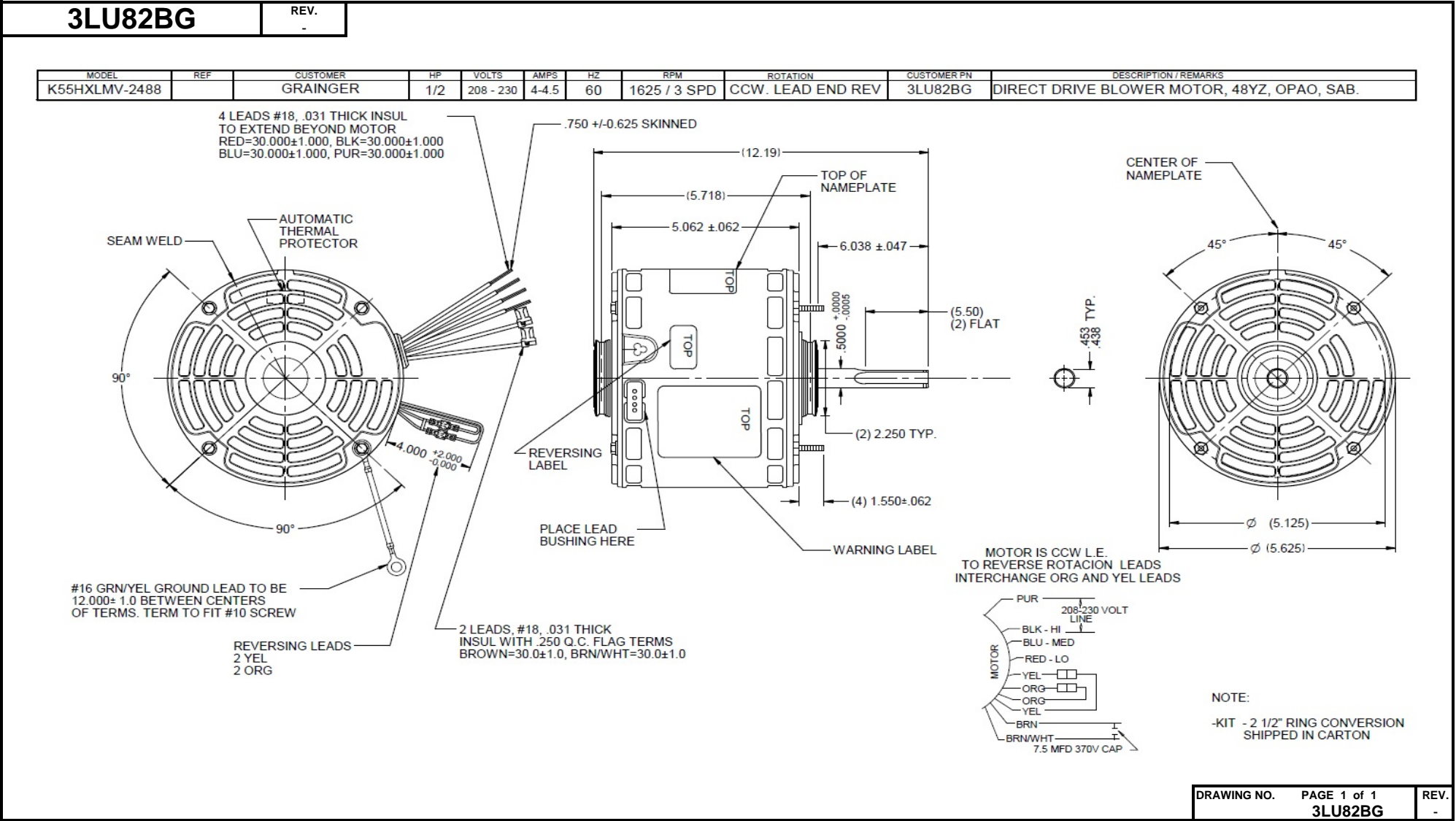


Dimensional Drawing



3LU82BG

REV.

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SHADED-POLE & PSC MOTOR PERFORMANCE

HP:	1/2							
Poles:	4							
Ambient (°C):	40							
Altitude (FASL):								
No. of Speeds:	3							
HIGH SPEED								
Volts:	208-230	208	230					
HZ:	60	60	60					
Service Factor:	1							
Efficiency:	@ Rated Load	68.0	69.1					
Power Factor:	@ Rated Load	90.1	89.5					
Amps:	@ No Load							
	@ Rated Load	3.679	4.094					
	@ Locked Rotor	9.76	11.17					
RPM:	@ Rated Load	1612	1623					
Torques:	Breakdown	43.91	55.51					
	Locked Rotor	8.8	10.43					
	Pull-Up	-	-					
	Rated Load	32.7	40.44					
	Service Factor	32.7	40.44					
Watts:	Rated Load	689	843					
Temperature Rise:	@ Rated Load	-	-					
Thermal Protector:	Trip Temp (°C)	-	-					
Winding Material:	Start (Auxiliary)	Cu	Cu					
	Run (Main)	Cu	Cu					
Capacitor(s):	Run (MFD / Volts)	7.5MFD / 370V						
	No. of Run Capacitors							

MEDIUM-HIGH SPEED

HP:								
Volts:								
HZ:								
Efficiency:	@ Rated Load							
Power Factor:	@ Rated Load							
Amps:	@ No Load							
	@ Rated Load							
	@ Locked Rotor							
Torques: Oz.Ft. / Lb.In. (Circle One)	Breakdown							
	Locked Rotor							
	Pull-Up							
	Rated Load							
Watts:	@ Rated Load							
Temperature Rise:	@ Rated Load							

DRAWING NO. PAGE 1 of 1
3LU82BGREV.
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Performance Data



3LU82BG

REV.

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Dayton Manufacturing Company

Motor Description

Model: K55HXHXLV-2488
 Motor ID: 1
 Poles: 4
 Volts: 208-230
 Frequency: 60
 HP: 1/2
 Speed: 1625
 Phase: 1
 Protector: 7AM033-A5

Test Conditions

Test Type: Start
 Test Number: 13
 Poles: 4
 Volts: 208
 Hz: 60
 Rotation:
 Special Cond: M1
 Speed Conn: M1
 TestBoard: CMD InLine Three Phase #2 Fixture #1
 Run Cap: 7.5
 Start Cap: 0µfd
 Environment: 22.4 Deg C 54 % RH 964 hPa
 Tested: 7/2/2016 1:51:42 PM
 Tested By: Navarro, Susana
 Gear Ratio: 1:1
 Bearing Friction: -0.91 Oz-Ft
 Windage Torque: -1.24 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
PUT OZ-FT	208.0	30.6	220.8	9.895	1635.9	26	4.92	0.002	0.1	79.5
	208.0	30.6	220.8	9.895	1635.9	26	4.92	0.002	0.1	79.5
	208.0	36.7	214.9	9.839	1630.5	191	9.68	0.022	1.0	79.7
	208.0	43.7	211.9	9.728	1619.1	340	13.10	0.053	2.4	80.0
	208.0	52.2	208.4	9.558	1601.5	487	17.46	0.101	4.7	80.6
	208.0	62.2	205.6	9.341	1577.8	620	21.14	0.156	7.4	81.2
	208.0	72.5	204.4	9.076	1548.5	740	25.52	0.225	10.8	82.0
	208.0	83.2	204.3	8.758	1510.6	854	29.56	0.300	14.8	82.9
	208.0	94.3	205.1	8.405	1466.4	960	33.55	0.383	19.5	83.9
	208.0	106.0	207.3	8.009	1413.4	1059	36.11	0.455	24.0	84.8
	208.0	117.8	210.7	7.585	1353.7	1148	38.31	0.524	28.9	85.8
	208.0	129.7	215.6	7.131	1286.5	1229	40.09	0.586	34.0	86.7
	208.0	141.7	222.0	6.653	1212.3	1302	41.26	0.639	39.3	87.6
	208.0	154.3	229.8	6.136	1129.2	1372	41.40	0.676	44.7	88.5
	208.0	166.7	238.9	5.605	1040.1	1434	40.82	0.697	50.0	89.2
	208.0	178.7	248.7	5.075	947.8	1490	39.28	0.696	54.8	89.8
	208.0	189.7	258.9	4.565	855.8	1537	37.17	0.680	59.3	90.1
	208.0	201.1	270.2	4.028	755.4	1582	33.97	0.640	63.2	90.2
	208.0	210.9	280.7	3.548	663.4	1620	30.53	0.589	66.2	89.9
	208.0	220.7	292.0	3.052	564.9	1656	26.43	0.521	68.8	89.0
	208.0	228.9	301.7	2.645	483.2	1684	22.34	0.448	69.2	87.8
	208.0	236.0	311.0	2.280	406.8	1709	18.25	0.371	68.0	85.8
	208.0	242.2	320.0	1.927	327.2	1730	14.47	0.298	68.0	81.7
	208.0	246.7	328.0	1.654	265.8	1748	11.07	0.230	64.7	77.3
	208.0	250.2	335.3	1.449	217.2	1762	6.72	0.141	48.4	72.0
	208.0	253.2	341.3	1.325	176.6	1774	4.78	0.101	42.7	64.1
	208.0	256.9	347.2	1.213	139.7	1782	2.72	0.058	30.8	55.4
	208.0	258.3	350.6	1.175	116.9	1789	0.94	0.020	12.8	47.8
	208.0	259.3	352.3	1.158	104.3	1792	0.00	0.000	0.0	43.3

DRAWING NO. PAGE 1 of 24
 3LU82BG

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

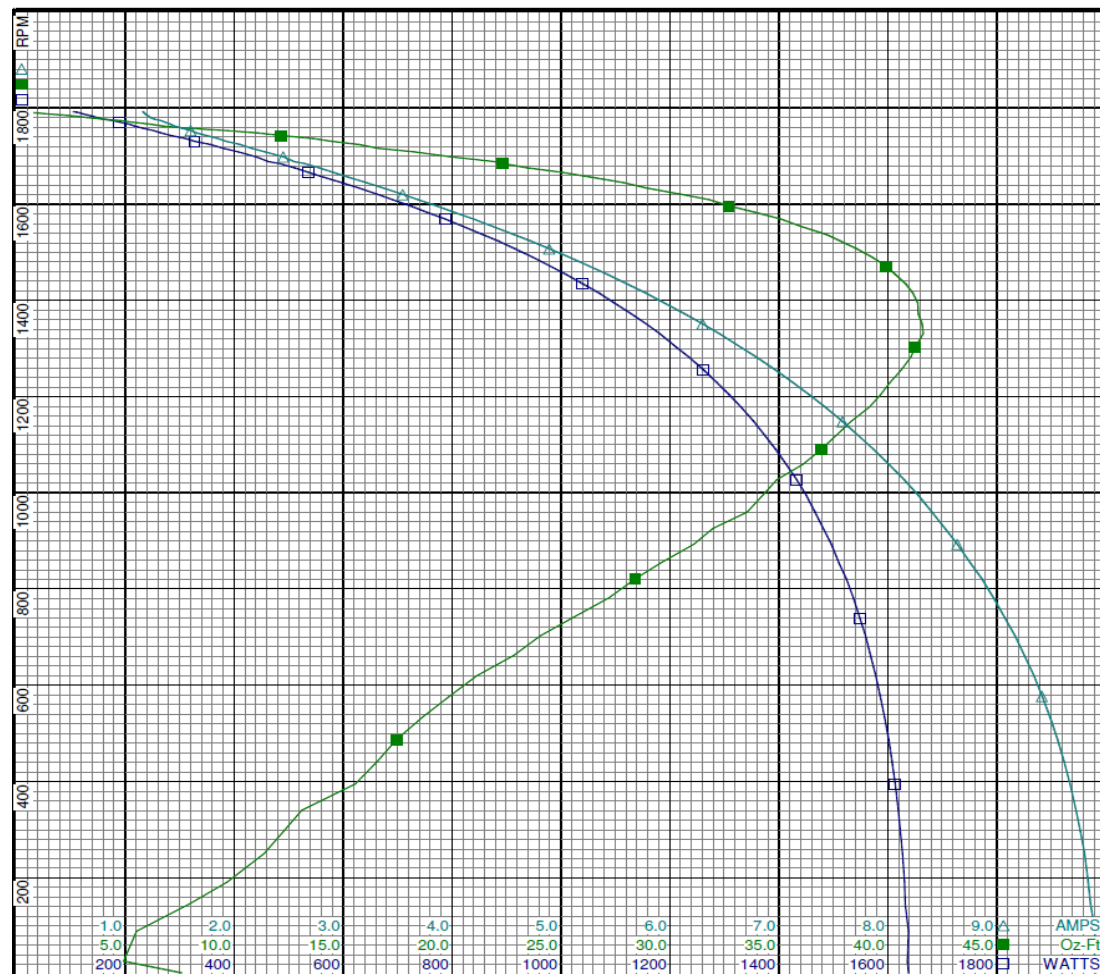
Performance Data



3LU82BG

REV.

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Curve Descriptions:

Motor(1) Test 13 Start 208V 60 Hz 4P
M1 M1 7.5ufd Run

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

Motor Ratings:

(1) K55HXHLMV-2488 ID: 1

DRAWING NO. PAGE 2 of 24
3LU82BG

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

3LU82BG

 REV.
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Dayton Manufacturing Company

Motor Description

Model: K55HXHLMV-2488
 Motor ID: 1
 Poles: 4
 Volts: 208-230
 Frequency: 60
 HP: 1/2
 Speed: 1625
 Phase: 1
 Protector: 7AM033-A5

Test Conditions

Test Type: Run
 Test Number: 1
 Poles: 4
 Volts: 208
 Hz: 60
 Rotation: REV
 Special Cond: M1 - HIGH SPEED
 Speed Conn:
 TestBoard: CMD InLine Three Phase #2 Fixture #1
 Run Cap: 7.5
 Start Cap: 0µfd
 Environment: 22.4 Deg C 54 % RH 964 hPa
 Tested: 7/2/2016 1:53:07 PM
 Tested By: Navarro, Susana
 Gear Ratio: 1:1
 Bearing Friction: -0.85 Oz-Ft
 Windage Torque: -1.31 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
	208.0	260.2	352.5	1.143	99.2	1792	0.00	0.000	0.0	41.7
	208.0	258.3	349.8	1.179	119.3	1787	1.53	0.032	20.3	48.6
	208.0	255.6	346.3	1.240	143.3	1780	3.13	0.066	34.5	55.6
	208.0	253.0	341.1	1.326	179.8	1770	5.38	0.113	47.0	65.2
	208.0	249.2	333.8	1.499	225.5	1758	7.40	0.155	51.2	72.3
	208.0	245.3	325.4	1.744	284.5	1742	11.07	0.230	60.2	78.4
	208.0	241.0	317.7	2.003	344.8	1725	16.07	0.330	71.4	82.8
	208.0	234.2	308.3	2.379	426.0	1701	20.21	0.409	71.6	86.1
	208.0	226.3	298.3	2.780	510.5	1674	24.97	0.498	72.7	88.3
	208.0	218.2	288.4	3.206	596.5	1646	28.61	0.561	70.1	89.4
32.7 OZ-FT	208.0	208.9	277.9	3.679	689.0	1612	32.70	0.627	68.0	90.1
	208.0	208.1	276.9	3.724	698.0	1609	33.00	0.632	67.6	90.1
	208.0	197.3	265.6	4.254	798.6	1568	36.73	0.686	64.0	90.3
	208.0	186.2	254.8	4.785	896.3	1523	39.79	0.721	60.0	90.1
	208.0	174.3	244.2	5.337	994.2	1471	42.04	0.736	55.2	89.6
	208.0	162.1	234.5	5.878	1086.8	1413	43.39	0.730	50.1	88.9
BDT OZ-FT	208.0	149.9	226.1	6.397	1172.4	1350	43.91	0.706	44.9	88.1
	208.0	149.9	226.1	6.397	1172.4	1350	43.91	0.706	44.9	88.1
	208.0	137.7	218.9	6.896	1251.3	1281	43.41	0.662	39.5	87.2
	208.0	125.2	212.9	7.377	1323.8	1202	42.24	0.605	34.1	86.3
	208.0	113.4	208.7	7.807	1385.5	1118	40.31	0.537	28.9	85.3
	208.0	102.0	205.9	8.200	1439.6	1029	37.95	0.465	24.1	84.4
	208.0	90.7	204.3	8.560	1486.6	929	34.96	0.387	19.4	83.5
	208.0	79.7	204.0	8.886	1526.7	818	30.84	0.300	14.7	82.6
	208.0	69.4	204.6	9.152	1557.8	704	27.11	0.227	10.9	81.8
	208.0	59.1	206.2	9.373	1582.2	579	22.99	0.158	7.5	81.2
	208.0	49.9	209.4	9.541	1600.6	444	19.03	0.101	4.7	80.7
	208.0	42.1	212.2	9.653	1612.6	300	15.54	0.056	2.6	80.3
	208.0	34.8	216.5	9.718	1620.2	142	11.59	0.020	0.9	80.2

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3LU82BG

 REV.
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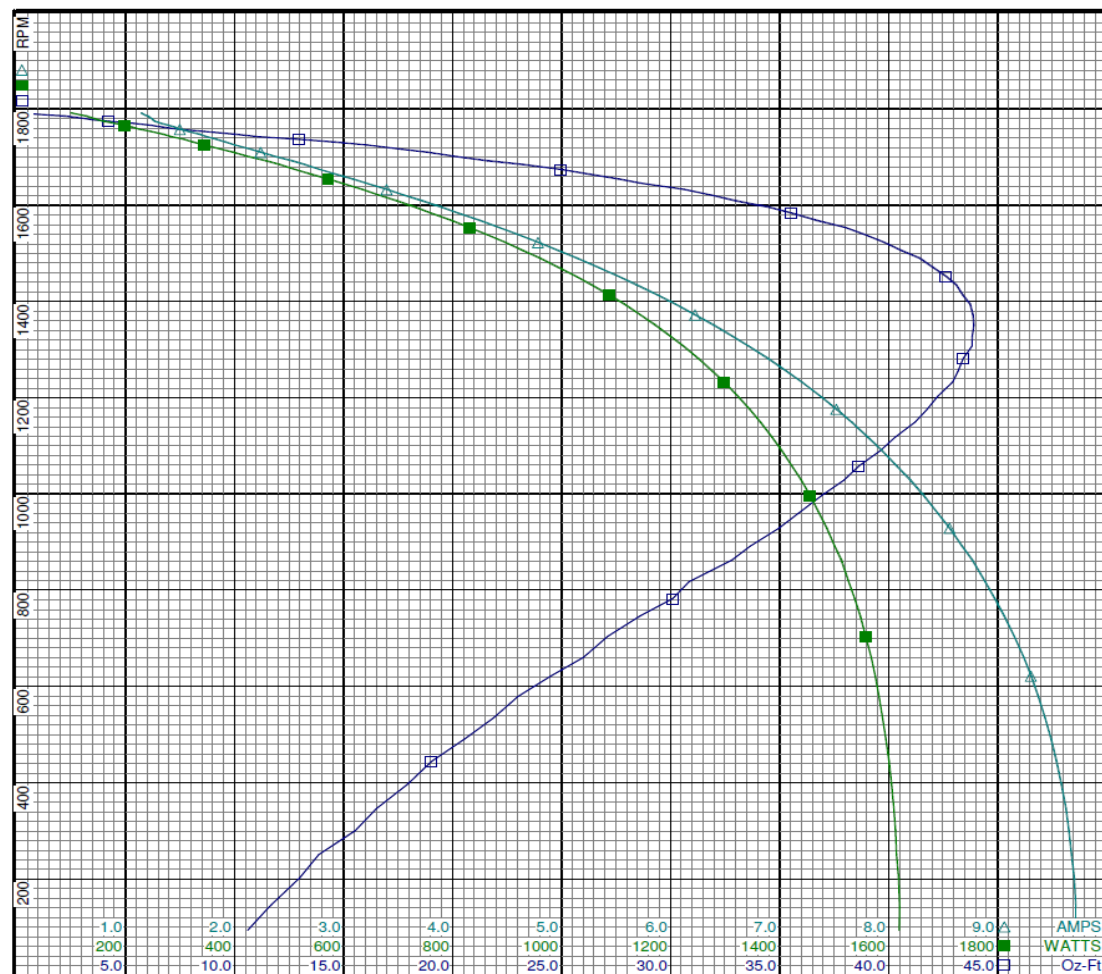
Performance Data



3LU82BG

REV.

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Curve Descriptions:

Motor(1) Test 1 Run 208V 60 Hz 4P
M1 - HIGH SPEED REV 7.5ufd Run

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

Motor Ratings:

(1) K55HXHXLHV-2488 ID: 1

DRAWING NO.	PAGE 4 of 24	REV.
	3LU82BG	-

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

Performance Data



3LU82BG

REV.

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Dayton Manufacturing Company

Motor Description

Model: K55HXHLMV-2488
 Motor ID: 1
 Poles: 4
 Volts: 208-230
 Frequency: 60
 HP: 1/2
 Speed: 1625
 Phase: 1
 Protector: 7AM033-A5

Test Conditions

Test Type: Start
 Test Number: 14
 Poles: 4
 Volts: 208
 Hz: 60
 Rotation:
 Special Cond: M2
 Speed Conn: M2
 TestBoard: CMD InLine Three Phase #2 Fixture #1
 Run Cap: 7.5
 Start Cap: 0µfd
 Environment: 22.4 Deg C 54 % RH 964 hPa
 Tested: 7/2/2016 2:00:04 PM
 Tested By: Navarro, Susana
 Gear Ratio: 1:1
 Bearing Friction: -0.91 Oz-Ft
 Windage Torque: -1.21 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
PUT OZ-FT	208.0	24.8	162.9	5.615	919.4	33	0.82	0.000	0.0	78.7
	208.0	24.8	162.9	5.615	919.4	33	0.82	0.000	0.0	78.7
	208.0	28.9	157.8	5.584	916.1	197	3.82	0.009	0.7	78.9
	208.0	34.0	155.4	5.523	909.6	346	5.24	0.022	1.8	79.2
	208.0	40.2	152.6	5.429	900.5	487	8.66	0.050	4.2	79.7
	208.0	47.7	150.2	5.302	887.3	620	11.96	0.088	7.4	80.5
	208.0	55.5	149.0	5.151	870.8	742	13.96	0.123	10.6	81.3
	208.0	63.7	148.6	4.970	849.7	856	16.67	0.170	14.9	82.2
	208.0	71.9	148.9	4.768	824.5	962	19.05	0.218	19.7	83.1
	208.0	80.6	150.5	4.550	795.9	1059	19.91	0.251	23.5	84.1
	208.0	89.5	153.1	4.306	762.1	1148	20.99	0.287	28.1	85.1
	208.0	98.7	157.0	4.042	723.6	1230	21.85	0.320	33.0	86.1
	208.0	108.0	162.3	3.758	680.1	1305	22.82	0.355	38.9	87.0
	208.0	117.4	168.5	3.466	633.5	1373	22.69	0.371	43.7	87.9
	208.0	126.5	175.6	3.169	584.2	1434	22.36	0.382	48.7	88.6
	208.0	135.6	183.4	2.866	532.1	1490	21.43	0.380	53.3	89.3
	208.0	144.4	191.9	2.558	476.9	1539	20.19	0.370	57.8	89.6
	208.0	152.7	200.7	2.258	421.2	1583	18.50	0.349	61.7	89.7
	208.0	160.3	209.3	1.977	367.8	1622	16.45	0.318	64.4	89.4
	208.0	167.2	217.8	1.710	315.2	1655	14.46	0.285	67.4	88.6
	208.0	173.2	225.2	1.486	271.4	1684	11.88	0.238	65.4	87.8
	208.0	179.2	233.6	1.258	223.2	1710	9.87	0.201	67.2	85.3
	208.0	184.7	241.5	1.039	175.6	1732	7.21	0.149	63.2	81.3
	208.0	187.5	247.2	0.910	148.3	1748	6.13	0.128	64.1	78.4
	208.0	190.3	254.2	0.778	119.6	1762	3.38	0.071	44.3	73.9
	208.0	192.4	260.8	0.689	93.8	1774	1.84	0.039	30.9	65.5
	208.0	195.0	264.8	0.629	77.9	1783	0.96	0.020	19.5	59.6
	208.0	195.9	267.2	0.607	64.3	1789	0.08	0.002	2.0	50.9
	208.0	196.0	267.4	0.605	63.2	1789	0.00	0.000	0.0	50.2

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 3LU82BG

REV.

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

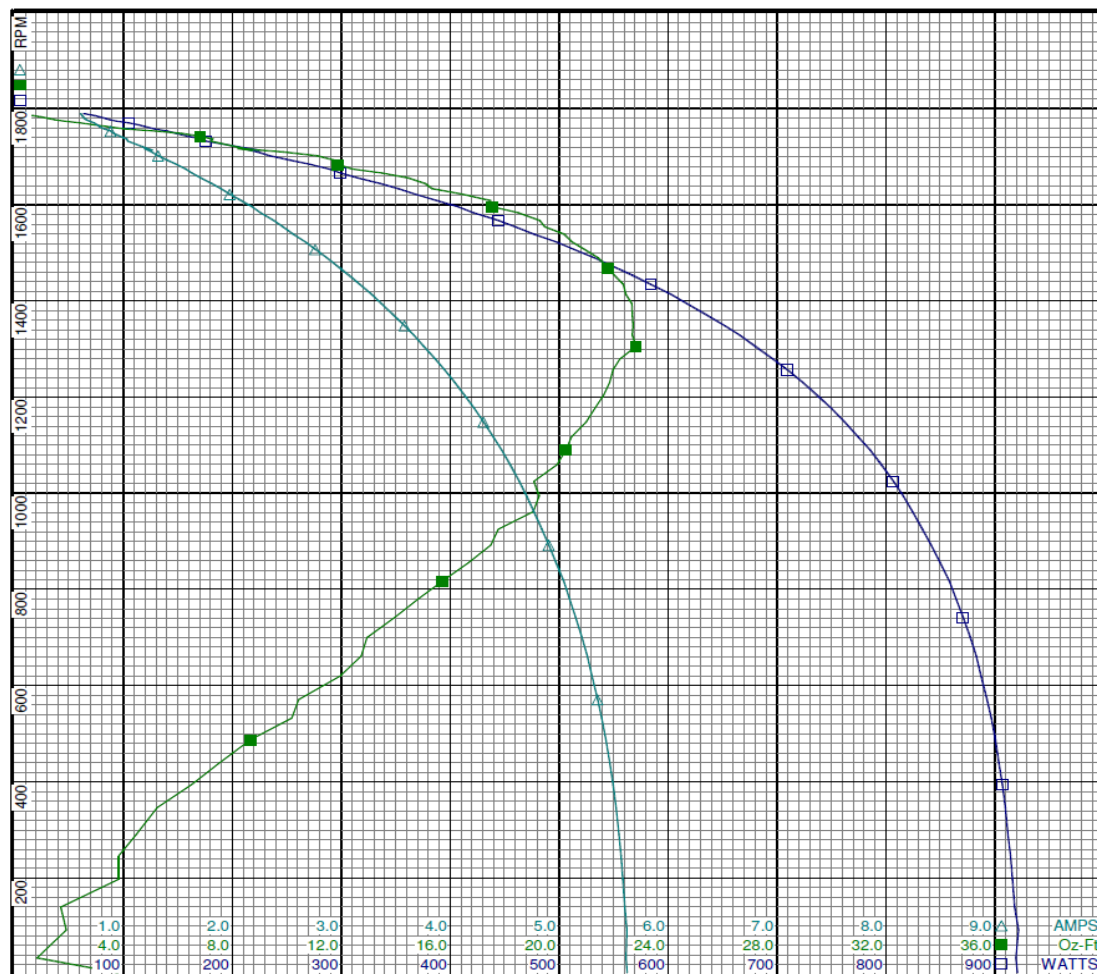
Performance Data



3LU82BG

REV.

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Curve Descriptions:

Motor(1) Test 14 Start 208V 60 Hz 4P
M2 M2 7.5ufd Run

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

Motor Ratings:

(1) K55HXHLMV-2488 ID: 1

DRAWING NO.	PAGE 6 of 24	REV.
3LU82BG		-

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

Performance Data



3LU82BG

REV.

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Dayton Manufacturing Company

Motor Description

Test Conditions

Model:	K55HXHXLV-2488	Test Type:	Run	Run Cap:	7.5
Motor ID:	1	Test Number:	2	Start Cap:	0µfd
Poles:	4	Poles:	4	Environment:	22.4 Deg C 54 % RH 964 hPa
Volts:	208-230	Volts:	208	Tested:	7/2/2016 1:56:01 PM
Frequency:	60	Hz:	60	Tested By:	Navarro, Susana
HP:	1/2	Rotation:	REV	Gear Ratio:	1:1
Speed:	1625	Special Cond:	M2 - MEDIUM SPEED	Bearing Friction:	-0.88 Oz-Ft
Phase:	1	Speed Conn:		Windage Torque:	-1.25 Oz-Ft
Protector:	7AM033-A5	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 (%)
	208.0	197.2	268.6	0.578	59.7	1789	0.00	0.000	0.0	49.7
	208.0	195.7	266.4	0.608	69.7	1785	0.63	0.013	14.3	55.1
	208.0	193.6	263.1	0.658	83.5	1778	1.42	0.030	26.9	61.0
	208.0	191.5	257.1	0.732	108.5	1767	2.94	0.062	42.4	71.2
	208.0	189.5	250.5	0.836	131.9	1754	4.95	0.103	58.4	75.9
	208.0	186.7	244.2	0.975	162.6	1737	7.81	0.161	74.0	80.2
	208.0	180.7	236.4	1.188	208.0	1717	8.82	0.180	64.7	84.1
	208.0	175.5	228.3	1.400	253.6	1694	11.38	0.230	67.5	87.1
	208.0	170.3	221.6	1.599	293.7	1668	13.77	0.274	69.5	88.3
	208.0	162.9	212.3	1.881	349.9	1634	16.61	0.323	68.9	89.5
17.25 OZ-FT	208.0	160.8	209.7	1.968	366.9	1623	17.25	0.333	67.8	89.6
	208.0	155.2	203.4	2.172	406.2	1596	19.05	0.362	66.5	89.9
	208.0	147.2	194.7	2.469	461.4	1555	20.88	0.386	62.5	89.9
	208.0	138.7	186.3	2.771	516.1	1509	22.29	0.400	57.9	89.5
	208.0	129.7	178.0	3.082	570.7	1456	23.71	0.411	53.7	89.0
	208.0	120.2	170.3	3.397	623.8	1395	24.38	0.405	48.4	88.3
BDT OZ-FT	208.0	110.7	163.8	3.699	672.2	1329	24.60	0.389	43.2	87.4
	208.0	110.7	163.8	3.699	672.2	1329	24.60	0.389	43.2	87.4
	208.0	101.6	158.4	3.978	715.1	1258	24.28	0.364	37.9	86.4
	208.0	92.6	154.2	4.237	753.2	1181	23.73	0.333	33.0	85.5
	208.0	83.6	151.1	4.488	788.6	1094	22.31	0.291	27.5	84.5
	208.0	74.7	149.2	4.718	819.0	998	20.76	0.247	22.5	83.5
	208.0	66.1	148.4	4.924	844.8	893	19.31	0.205	18.1	82.5
	208.0	58.3	148.7	5.098	865.9	787	16.98	0.159	13.7	81.7
	208.0	50.2	149.7	5.253	883.2	665	14.86	0.118	9.9	80.8
	208.0	42.8	151.4	5.376	896.2	540	12.84	0.083	6.9	80.2
	208.0	36.0	154.1	5.473	905.9	400	10.27	0.049	4.0	79.6
	208.0	30.6	156.5	5.533	911.8	252	7.99	0.024	2.0	79.2
	208.0	26.3	160.0	5.567	916.3	102	6.67	0.008	0.7	79.1

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3LU82BG

REV.

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

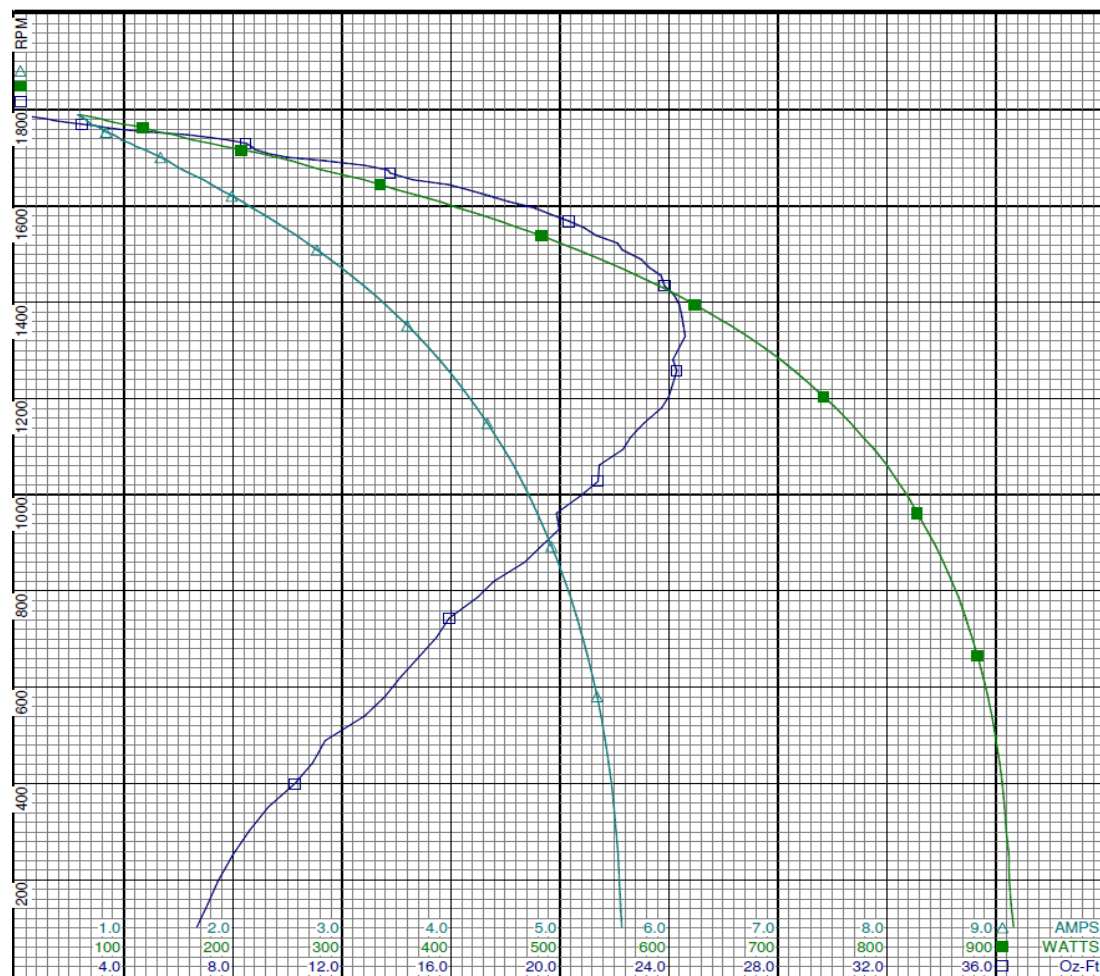
Performance Data



3LU82BG

REV.

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Curve Descriptions:

Motor(1) Test 2 Run 208V 60 Hz 4P
M2 - MEDIUM SPEED REV 7.5ufd Run

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

Motor Ratings:

(1) K55HXHXLHV-2488 ID: 1

DRAWING NO. PAGE 8 of 24
3LU82BG

REV.
-

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

Performance Data



3LU82BG

REV.

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Dayton Manufacturing Company

Motor Description

Model: K55HXHLMV-2488
 Motor ID: 1
 Poles: 4
 Volts: 208-230
 Frequency: 60
 HP: 1/2
 Speed: 1625
 Phase: 1
 Protector: 7AM033-A5

Test Conditions

Test Type: Start
 Test Number: 15
 Poles: 4
 Volts: 208
 Hz: 60
 Rotation:
 Special Cond: M3
 Speed Conn: M3
 TestBoard: CMD InLine Three Phase #2 Fixture #1
 Run Cap: 7.5
 Start Cap: 0µfd
 Environment: 22.4 Deg C 54 % RH 964 hPa
 Tested: 7/2/2016 2:11:36 PM
 Tested By: Navarro, Susana
 Gear Ratio: 1:1
 Bearing Friction: -0.87 Oz-Ft
 Windage Torque: -1.05 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
PUT OZ-FT	208.0	20.7	129.1	3.535	558.7	0	1.997	0.000	0.0	76.0
	208.0	22.4	125.1	3.522	556.2	136	0.254	0.000	0.1	75.9
	208.0	23.3	123.8	3.511	554.4	191	1.236	0.003	0.4	75.9
	208.0	27.0	121.8	3.471	550.9	347	2.230	0.009	1.2	76.3
	208.0	32.5	119.2	3.406	546.1	506	6.098	0.037	5.0	77.1
	208.0	37.4	117.5	3.336	539.5	618	5.711	0.042	5.8	77.7
	208.0	43.6	116.2	3.242	530.4	743	7.829	0.069	9.7	78.7
	208.0	50.0	115.5	3.131	518.9	859	9.470	0.097	13.9	79.7
	208.0	56.4	115.5	3.011	505.0	958	10.370	0.118	17.5	80.6
	208.0	62.9	116.5	2.873	488.6	1056	11.716	0.147	22.5	81.7
	208.0	69.9	118.4	2.719	468.8	1147	12.196	0.167	26.5	82.9
	208.0	77.7	121.4	2.554	446.5	1231	13.072	0.192	32.0	84.1
	208.0	84.6	125.3	2.384	421.5	1301	13.345	0.207	36.6	85.0
	208.0	91.8	130.3	2.197	393.6	1372	13.365	0.218	41.4	86.1
	208.0	99.6	135.9	2.009	363.5	1433	13.236	0.226	46.4	87.0
	208.0	106.6	142.3	1.815	331.0	1489	12.991	0.230	51.9	87.7
	208.0	113.7	149.3	1.613	295.9	1539	12.227	0.224	56.5	88.2
	208.0	120.2	156.2	1.431	263.1	1583	10.584	0.199	56.6	88.4
	208.0	123.2	159.6	1.342	246.9	1603	10.230	0.195	59.0	88.5
	208.0	131.5	169.9	1.089	198.3	1655	8.063	0.159	59.8	87.6
	208.0	136.1	176.4	0.933	167.4	1683	7.720	0.155	68.9	86.3
	208.0	140.4	182.1	0.806	142.8	1709	5.128	0.104	54.5	85.1
	208.0	144.4	188.7	0.673	113.7	1730	4.746	0.098	64.1	81.2
	208.0	147.7	194.1	0.575	93.7	1747	2.777	0.058	46.0	78.3
	208.0	149.3	200.0	0.496	74.9	1762	1.780	0.037	37.2	72.6
	208.0	151.6	206.1	0.430	60.9	1774	1.038	0.022	26.8	68.1
	208.0	153.1	210.1	0.389	47.4	1782	0.184	0.004	6.1	58.6
	208.0	153.8	211.3	0.375	43.8	1785	0.000	0.000	0.0	56.2

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 3LU82BG

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

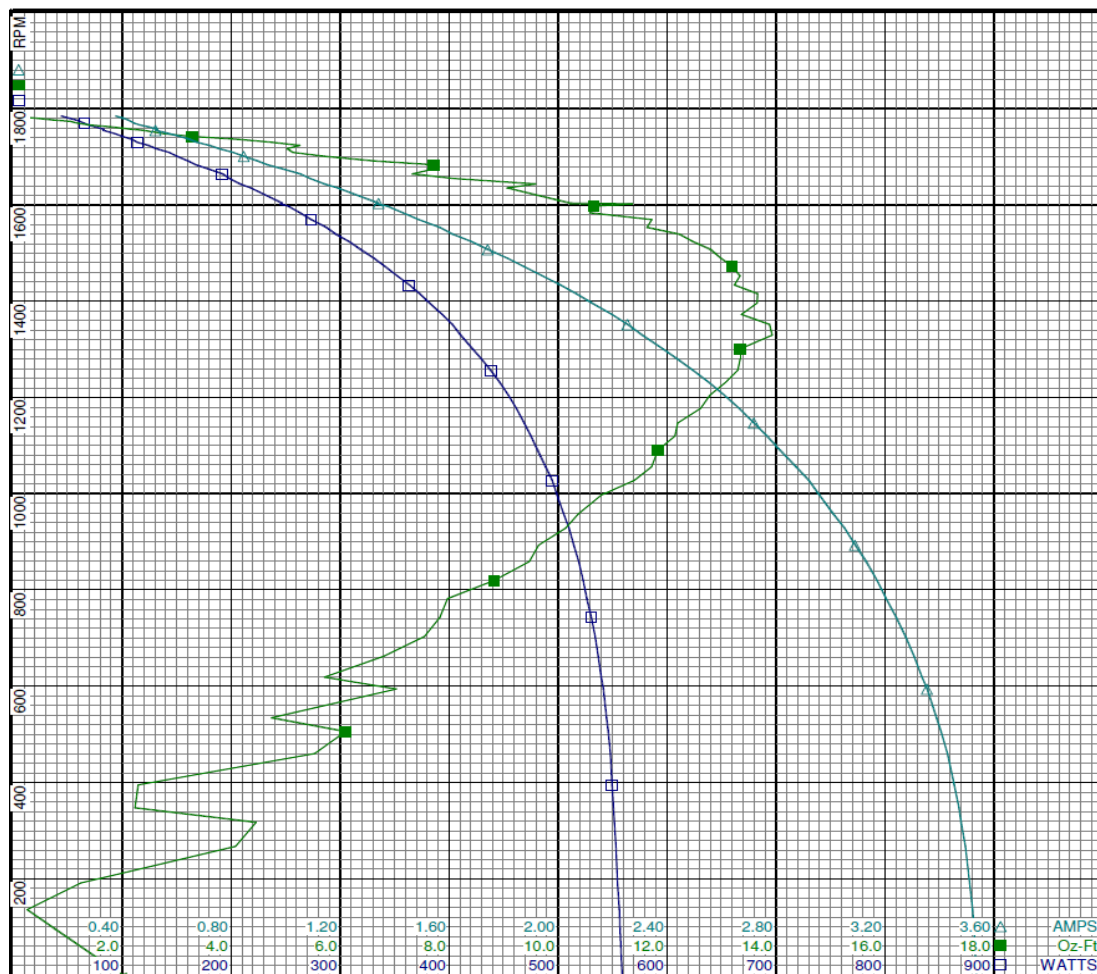
Performance Data



3LU82BG

REV.

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Curve Descriptions:

Motor(1) Test 15 Start 208V 60 Hz 4P
M3 M3 7.5ufd Run

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

Motor Ratings:

(1) K55HXHXLHV-2488 ID: 1

DRAWING NO.	PAGE 10 of 24	REV.
3LU82BG		-

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

Performance Data



3LU82BG

REV.

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Dayton Manufacturing Company

Motor Description

Model: K55HXHXL MV-2488
Motor ID: 1
Poles: 4
Volts: 208-230
Frequency: 60
HP: 1/2
Speed: 1625
Phase: 1
Protector: 7AM033-A5

Test Conditions

Test Type: Run
Test Number: 3
Poles: 4
Volts: 208
Hz: 60
Rotation: REV
Special Cond: M3 - LOW SPEED
Speed Conn:
TestBoard: CMD InLine Three Phase #2 Fixture #1
Run Cap: 7.5
Start Cap: 0µfd
Environment: 22.4 Deg C 54 % RH 964 hPa
Tested: 7/2/2016 2:07:23 PM
Tested By: Navarro, Susana
Gear Ratio: 1:1
Bearing Friction: -0.85 Oz-Ft
Windage Torque: -1.15 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
	208.0	154.7	212.5	0.360	39.3	1788	0.000	0.000	0.0	52.4
	208.0	153.3	210.4	0.385	45.8	1783	0.471	0.010	16.3	57.2
	208.0	152.7	208.0	0.407	55.5	1774	1.095	0.023	31.1	65.6
	208.0	149.7	201.4	0.479	71.1	1762	1.978	0.042	43.6	71.4
	208.0	147.4	194.4	0.568	90.9	1748	3.115	0.065	53.2	76.9
	208.0	144.8	189.5	0.655	109.5	1731	5.286	0.109	74.2	80.4
	208.0	141.2	183.3	0.785	138.0	1709	5.647	0.115	62.1	84.5
	208.0	136.2	176.5	0.923	166.2	1684	8.238	0.165	74.1	86.5
	208.0	131.8	170.1	1.084	197.8	1654	8.461	0.167	62.8	87.7
10.8 OZ-FT	208.0	127.2	164.7	1.209	222.0	1627	10.800	0.209	70.3	88.2
	208.0	126.4	163.8	1.235	226.6	1622	11.072	0.214	70.4	88.2
	208.0	120.3	156.5	1.421	261.6	1583	12.255	0.231	65.9	88.5
	208.0	113.6	149.1	1.625	298.8	1538	13.147	0.241	60.1	88.4
	208.0	106.8	142.3	1.814	332.0	1490	14.031	0.249	55.9	88.0
	208.0	99.6	135.9	2.013	365.0	1434	14.719	0.251	51.3	87.2
	208.0	92.3	130.1	2.204	395.6	1372	15.155	0.248	46.7	86.3
BDT OZ-FT	208.0	90.0	128.5	2.261	404.5	1352	15.319	0.247	45.5	86.0
	208.0	85.1	125.3	2.384	423.0	1306	15.006	0.233	41.2	85.3
	208.0	77.5	121.2	2.566	449.0	1230	14.954	0.219	36.4	84.1
	208.0	70.3	118.3	2.726	470.9	1150	14.478	0.198	31.4	83.0
	208.0	63.5	116.5	2.875	489.5	1061	13.117	0.166	25.2	81.9
	208.0	56.7	115.5	3.012	506.1	963	12.578	0.144	21.3	80.8
	208.0	49.8	115.4	3.140	520.5	856	11.704	0.119	17.1	79.7
	208.0	43.9	116.1	3.242	531.1	745	10.149	0.090	12.6	78.8
	208.0	37.6	117.5	3.334	540.0	620	8.663	0.064	8.8	77.9
	208.0	31.9	119.5	3.407	546.4	488	7.162	0.042	5.7	77.1
	208.0	27.1	121.6	3.457	550.1	350	6.121	0.026	3.5	76.5
	208.0	23.4	123.5	3.489	552.9	197	5.078	0.012	1.6	76.2

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3LU82BG

REV.

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

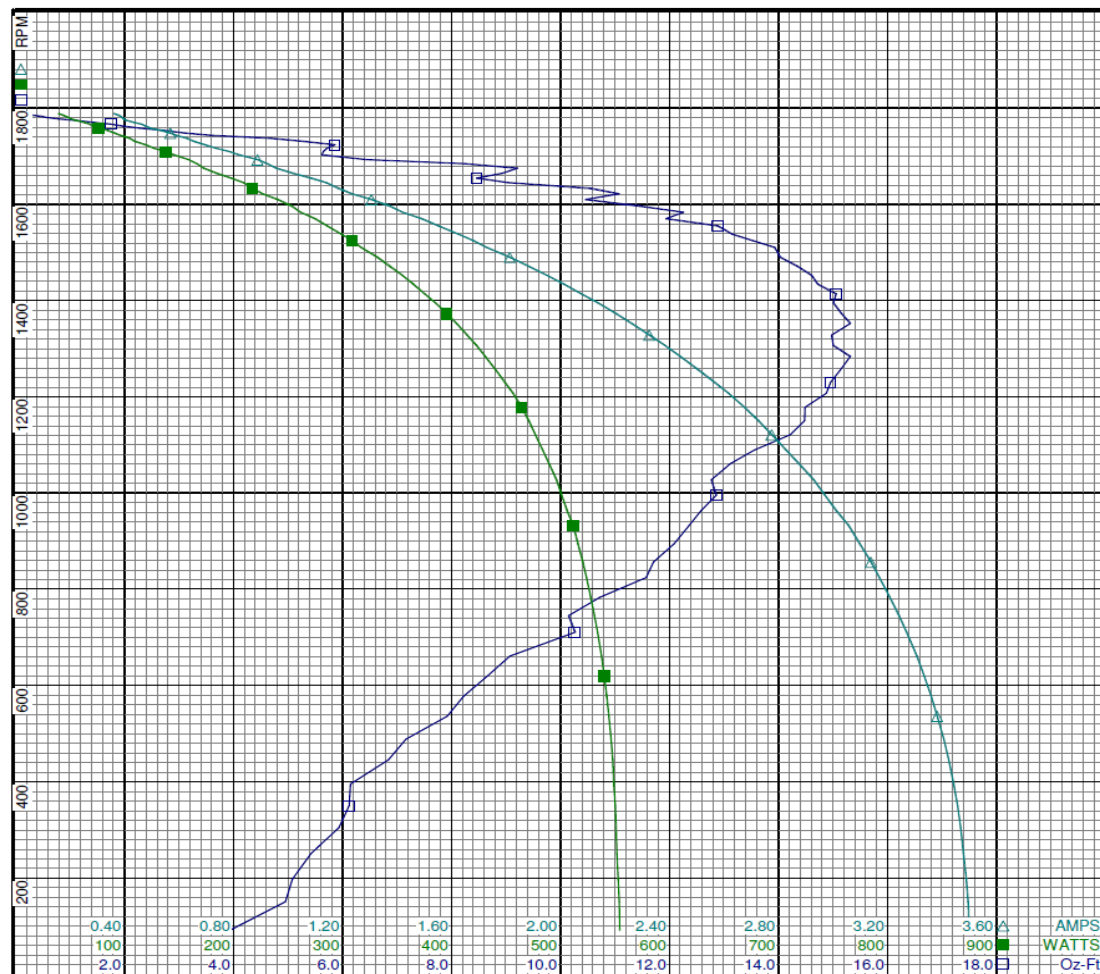
Performance Data



3LU82BG

REV.

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Curve Descriptions:

Motor(1) Test 3 Run 208V 60 Hz 4P
M3 - LOW SPEED REV 7.5ufd Run

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

Motor Ratings:

(1) K55HXHLMV-2488 ID: 1

DRAWING NO. PAGE 12 of 24 REV.
3LU82BG -

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

Performance Data



3LU82BG

REV.

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Dayton Manufacturing Company

Motor Description

Model: K55HXHXL MV-2488
 Motor ID: 1
 Poles: 4
 Volts: 208-230
 Frequency: 60
 HP: 1/2
 Speed: 1625
 Phase: 1
 Protector: 7AM033-A5

Test Conditions

Test Type: Start
 Test Number: 16
 Poles: 4
 Volts: 230
 Hz: 60
 Rotation:
 Special Cond: M1
 Speed Conn: M1
 TestBoard: CMD InLine Three Phase #2 Fixture #1
 Run Cap: 7.5
 Start Cap: 0µfd
 Environment: 22.4 Deg C 54 % RH 964 hPa
 Tested: 7/2/2016 1:46:27 PM
 Tested By: Navarro, Susana
 Gear Ratio: 1:1
 Bearing Friction: -1.07 Oz-Ft
 Windage Torque: -1.47 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
	230.0	32.8	242.5	11.511	2088	35	8.18	0.003	0.1	78.9
PUT OZ-FT	230.0	34.2	241.4	11.484	2081	81	7.63	0.007	0.3	78.8
	230.0	38.8	237.1	11.425	2075	188	10.51	0.024	0.8	79.0
	230.0	46.8	233.4	11.286	2061	344	16.74	0.068	2.5	79.4
	230.0	56.4	229.4	11.080	2039	488	22.06	0.128	4.7	80.0
	230.0	66.9	226.4	10.834	2010	617	27.10	0.199	7.4	80.6
	230.0	78.5	225.0	10.514	1972	740	33.05	0.291	11.0	81.5
	230.0	90.3	224.7	10.151	1925	854	37.80	0.384	14.9	82.5
	230.0	102.6	225.6	9.739	1869	960	42.35	0.484	19.3	83.4
	230.0	115.3	227.9	9.285	1802	1057	46.18	0.581	24.1	84.4
	230.0	128.3	231.7	8.792	1727	1146	49.01	0.669	28.9	85.4
	230.0	141.7	237.2	8.260	1641	1229	51.45	0.753	34.2	86.4
	230.0	154.9	244.0	7.715	1548	1302	52.70	0.817	39.4	87.3
	230.0	168.9	252.8	7.115	1442	1372	53.04	0.866	44.8	88.1
	230.0	182.3	262.5	6.518	1332	1433	52.26	0.892	49.9	88.9
	230.0	195.5	273.3	5.905	1215	1488	50.41	0.893	54.8	89.5
	230.0	208.3	285.1	5.286	1092	1538	47.67	0.873	59.6	89.8
	230.0	220.4	297.1	4.683	967	1582	43.62	0.822	63.4	89.8
	230.0	231.3	308.8	4.122	849	1620	39.28	0.758	66.6	89.5
	230.0	241.8	320.9	3.565	726	1655	34.25	0.675	69.3	88.6
	230.0	250.8	331.7	3.089	620	1684	28.95	0.580	69.9	87.2
	230.0	258.8	342.5	2.643	513	1709	23.67	0.482	70.0	84.4
	230.0	265.1	351.5	2.275	422	1730	18.12	0.373	66.0	80.6
	230.0	269.6	359.7	1.966	340	1748	14.18	0.295	64.7	75.2
	230.0	273.5	368.2	1.733	270	1762	10.12	0.212	58.6	67.8
	230.0	276.5	374.9	1.594	221	1773	5.54	0.117	39.4	60.4
	230.0	279.6	379.3	1.509	183	1783	3.17	0.067	27.4	52.7
	230.0	281.8	383.4	1.465	147	1789	1.27	0.027	13.7	43.7
	230.0	282.9	385.4	1.448	130	1792	0.00	0.000	0.0	39.0

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 3LU82BG -

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

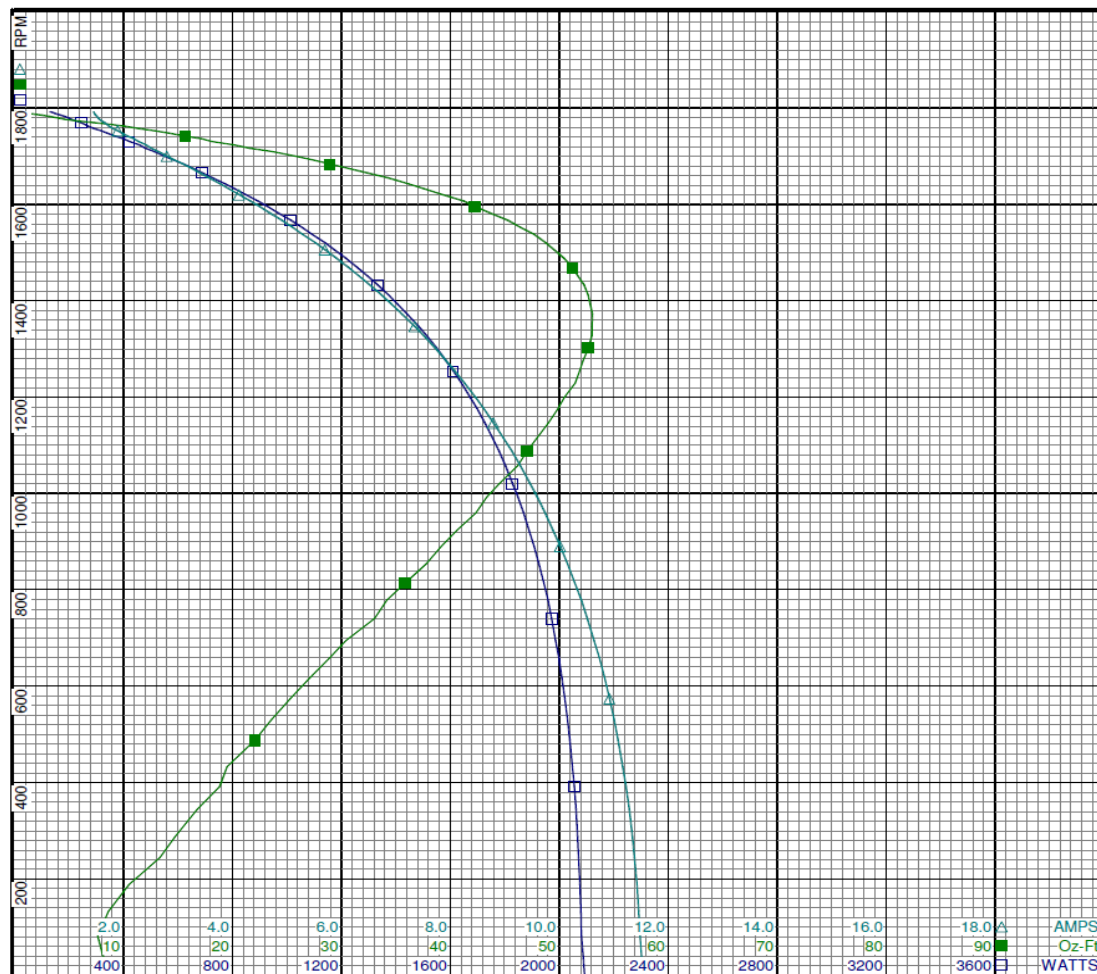
Performance Data



3LU82BG

REV.

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Curve Descriptions:

Motor(1) Test 16 Start 230V 60 Hz 4P
M1 M1 7.5ufd Run

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

Motor Ratings:

(1) K55HXHMLMV-2488 ID: 1

DRAWING NO.	PAGE 14 of 24	REV.
	3LU82BG	-

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

Performance Data



3LU82BG

REV.

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Dayton Manufacturing Company

Motor Description

Model: K55HXHXLV-2488
 Motor ID: 1
 Poles: 4
 Volts: 208-230
 Frequency: 60
 HP: 1/2
 Speed: 1625
 Phase: 1
 Protector: 7AM033-A5

Test Conditions

Test Type: Run
 Test Number: 4
 Poles: 4
 Volts: 230
 Hz: 60
 Rotation: REV
 Special Cond: M1 - HIGH SPEED
 Speed Conn:
 TestBoard: CMD InLine Three Phase #2 Fixture #1
 Run Cap: 7.5
 Start Cap: 0µfd
 Environment: 22.4 Deg C 54 % RH 964 hPa
 Tested: 7/2/2016 1:48:21 PM
 Tested By: Navarro, Susana
 Gear Ratio: 1:1
 Bearing Friction: -0.84 Oz-Ft
 Windage Torque: -1.59 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
	230.0	283.2	385.3	1.447	127	1792	0.00	0.000	0.0	38.1
	230.0	282.0	383.1	1.465	145	1787	1.43	0.030	15.6	43.1
	230.0	280.1	379.3	1.513	176	1780	4.36	0.092	39.1	50.7
	230.0	276.4	373.3	1.620	225	1770	8.04	0.170	56.2	60.4
	230.0	272.8	366.0	1.776	283	1758	11.56	0.242	63.7	69.3
	230.0	269.0	358.0	2.023	356	1744	14.94	0.310	65.1	76.4
	230.0	263.3	348.4	2.388	450	1724	20.76	0.426	70.6	81.9
	230.0	258.1	341.2	2.684	522	1706	25.00	0.508	72.5	84.6
	230.0	256.9	339.5	2.757	541	1702	25.97	0.526	72.6	85.3
	230.0	248.2	328.1	3.244	655	1675	31.64	0.631	71.9	87.8
	230.0	238.7	316.6	3.762	771	1644	37.09	0.726	70.2	89.1
40.44 OZ-FT	230.0	232.3	309.4	4.094	843	1623	40.44	0.781	69.1	89.5
1625 RPM	230.0	232.9	310.0	4.065	837	1625	40.13	0.776	69.2	89.5
	230.0	228.7	305.3	4.289	885	1611	41.87	0.803	67.7	89.7
	230.0	224.9	301.1	4.496	929	1598	43.52	0.828	66.5	89.8
	230.0	225.5	301.8	4.464	922	1600	43.26	0.824	66.7	89.8
	230.0	217.0	292.8	4.901	1014	1570	46.62	0.871	64.1	89.9
	230.0	204.2	280.3	5.547	1145	1523	50.61	0.918	59.8	89.8
	230.0	191.2	268.9	6.168	1267	1472	53.35	0.935	55.1	89.3
	230.0	177.7	258.2	6.794	1385	1415	54.76	0.922	49.7	88.6
BDT OZ-FT	230.0	168.8	251.8	7.192	1458	1374	55.51	0.908	46.5	88.1
	230.0	164.6	249.0	7.372	1490	1354	55.43	0.893	44.7	87.9
	230.0	150.6	240.9	7.963	1593	1282	54.86	0.837	39.2	87.0
	230.0	137.1	234.5	8.503	1682	1205	53.22	0.763	33.9	86.0
	230.0	124.0	229.9	8.996	1760	1121	50.64	0.676	28.6	85.1
	230.0	111.4	226.7	9.446	1828	1029	47.28	0.579	23.6	84.1
	230.0	99.2	225.1	9.846	1885	932	43.59	0.484	19.1	83.3
	230.0	87.5	224.7	10.199	1934	826	38.94	0.383	14.8	82.4
	230.0	75.6	225.4	10.517	1974	705	33.73	0.283	10.7	81.6
	230.0	64.2	227.2	10.769	2004	580	28.65	0.198	7.4	80.9
	230.0	54.0	230.7	10.951	2026	445	23.06	0.122	4.5	80.4
	230.0	45.4	233.9	11.069	2040	305	18.23	0.066	2.4	80.1
	230.0	37.4	238.8	11.136	2048	150	13.76	0.025	0.9	79.9

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 3LU82BG -

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

Performance Data



3LU82BG

REV.

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Curve Descriptions:

Motor(1) Test 4 Run 230V 60 Hz 4P
M1 - HIGH SPEED REV 7.5ufd Run

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

Motor Ratings:

(1) K55HXHLMV-2488 ID: 1

DRAWING NO. PAGE 16 of 24
3LU82BG

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

Performance Data



3LU82BG

REV.

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Dayton Manufacturing Company

Motor Description

Model: K55HXHXLV-2488
 Motor ID: 1
 Poles: 4
 Volts: 208-230
 Frequency: 60
 HP: 1/2
 Speed: 1625
 Phase: 1
 Protector: 7AM033-A5

Test Conditions

Test Type: Start
 Test Number: 17
 Poles: 4
 Volts: 230
 Hz: 60
 Rotation:
 Special Cond: M2
 Speed Conn: M2
 TestBoard: CMD InLine Three Phase #2 Fixture #1
 Run Cap: 7.5
 Start Cap: 0µfd
 Environment: 22.4 Deg C 54 % RH 964 hPa
 Tested: 7/2/2016 2:02:54 PM
 Tested By: Navarro, Susana
 Gear Ratio: 1:1
 Bearing Friction: -0.88 Oz-Ft
 Windage Torque: -1.17 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
PUT OZ-FT	230.0	27.1	178.9	6.286	1151.5	31	2.49	0.001	0.1	79.7
	230.0	27.1	178.9	6.286	1151.5	31	2.49	0.001	0.1	79.7
	230.0	31.7	173.9	6.234	1142.1	195	6.02	0.014	0.9	79.7
	230.0	37.5	170.7	6.160	1133.1	344	8.96	0.037	2.4	80.0
	230.0	44.9	168.1	6.051	1121.1	489	11.85	0.069	4.6	80.6
	230.0	52.9	165.7	5.911	1104.5	618	15.45	0.114	7.7	81.2
	230.0	61.9	164.5	5.734	1082.0	743	18.17	0.161	11.1	82.0
	230.0	70.9	164.1	5.533	1054.9	857	20.59	0.210	14.9	82.9
	230.0	80.1	164.8	5.311	1023.9	963	23.05	0.264	19.2	83.8
	230.0	90.0	166.7	5.050	984.4	1060	25.41	0.321	24.3	84.8
	230.0	99.8	169.9	4.777	941.3	1147	26.44	0.361	28.6	85.7
	230.0	110.0	174.3	4.482	893.0	1229	27.48	0.402	33.6	86.6
	230.0	120.4	180.2	4.164	838.4	1306	28.60	0.445	39.6	87.6
	230.0	130.5	187.1	3.845	780.9	1372	28.37	0.464	44.3	88.3
	230.0	140.9	195.2	3.504	717.5	1435	27.99	0.478	49.7	89.0
	230.0	150.4	203.6	3.180	655.0	1488	26.76	0.474	54.0	89.6
	230.0	160.3	213.2	2.831	585.4	1539	25.28	0.463	59.0	89.9
	230.0	169.6	222.9	2.495	516.4	1584	22.91	0.432	62.4	90.0
	230.0	177.8	232.2	2.188	451.1	1621	20.48	0.395	65.4	89.6
	230.0	185.6	241.6	1.886	385.6	1656	18.02	0.355	68.7	88.9
	230.0	192.3	249.9	1.641	330.8	1684	14.50	0.291	65.6	87.6
	230.0	198.5	258.9	1.383	269.7	1709	12.50	0.254	70.4	84.8
	230.0	203.3	265.7	1.207	229.2	1731	8.78	0.181	58.9	82.6
	230.0	206.8	272.9	1.025	181.6	1748	7.67	0.160	65.5	77.1
	230.0	209.4	280.3	0.884	147.0	1762	5.06	0.106	53.9	72.3
	230.0	213.2	287.2	0.772	118.6	1773	2.75	0.058	36.5	66.8
	230.0	215.0	291.7	0.721	93.6	1783	1.26	0.027	21.2	56.4
	230.0	217.7	295.5	0.667	74.5	1789	0.12	0.003	2.6	48.6
	230.0	218.0	295.8	0.662	72.6	1790	0.00	0.000	0.0	47.7

DRAWING NO. PAGE 17 of 24 REV.
3LU82BG -

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

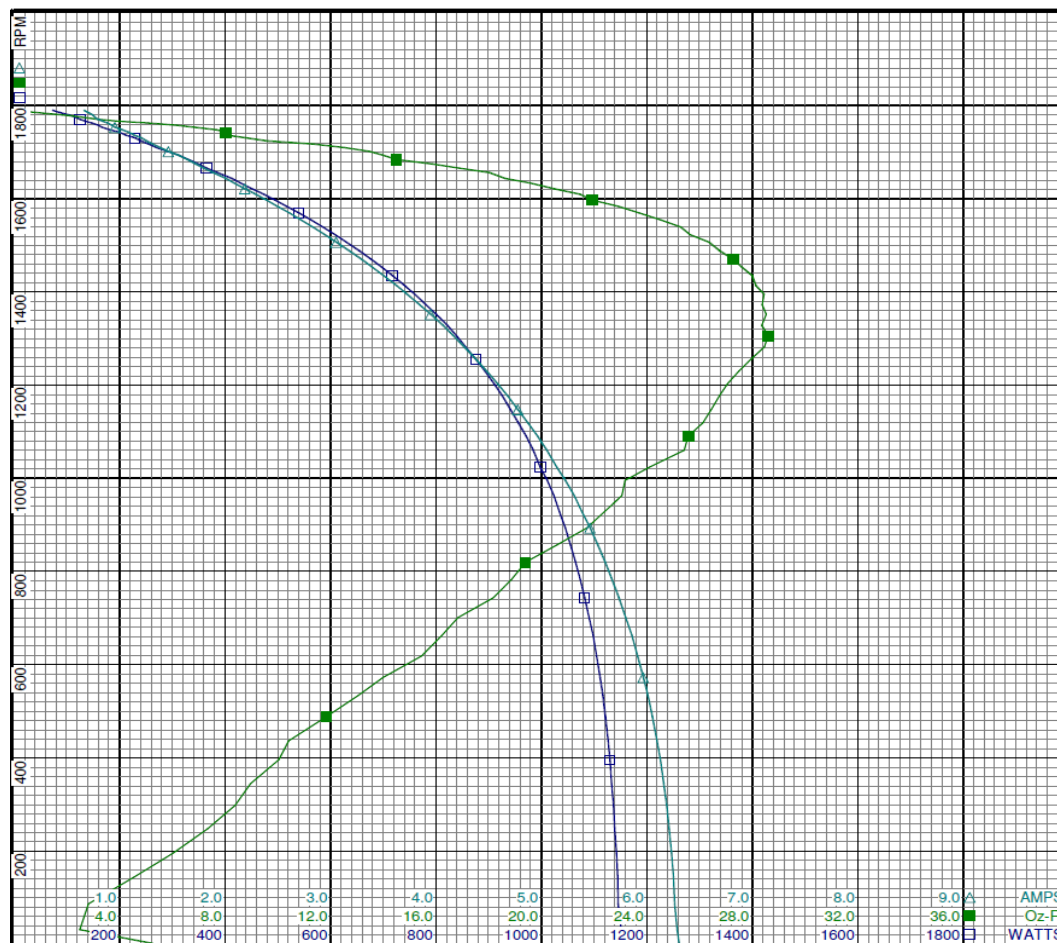
Performance Data



3LU82BG

REV.

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Curve Descriptions:

Motor(1) Test 17 Start 230V 60 Hz 4P
M2 M2 7.5ufd Run

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

Motor Ratings:

(1) K55HXHXLHV-2488 ID: 1

DRAWING NO.	PAGE 18 of 24	REV.
3LU82BG		-

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

Performance Data



3LU82BG

REV.

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Dayton Manufacturing Company

Motor Description

Model: K55HXHXLV-2488
 Motor ID: 1
 Poles: 4
 Volts: 208-230
 Frequency: 60
 HP: 1/2
 Speed: 1625
 Phase: 1
 Protector: 7AM033-A5

Test Conditions

Test Type: Run
 Test Number: 5
 Poles: 4
 Volts: 230
 Hz: 60
 Rotation: REV
 Special Cond: M2 - MEDIUM SPEED
 Speed Conn: M2 - MEDIUM SPEED
 TestBoard: CMD InLine Three Phase #2 Fixture #1
 Run Cap: 7.5
 Start Cap: 0µfd
 Environment: 22.4 Deg C 54 % RH 964 hPa
 Tested: 7/2/2016 2:01:43 PM
 Tested By: Navarro, Susana
 Gear Ratio: 1:1
 Bearing Friction: -0.88 Oz-Ft
 Windage Torque: -1.12 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
	230.0	217.6	295.4	0.671	72.0	1789	0.00	0.000	0.0	46.7
	230.0	216.5	292.7	0.692	87.8	1782	1.21	0.026	21.7	55.2
	230.0	213.0	287.3	0.772	112.9	1774	3.31	0.070	46.2	63.6
	230.0	211.0	282.3	0.839	137.1	1763	5.37	0.113	61.3	71.1
	230.0	207.9	274.8	0.983	173.4	1748	7.12	0.148	63.8	76.7
	230.0	203.7	266.2	1.196	227.0	1730	8.90	0.183	60.2	82.5
	230.0	198.3	258.6	1.386	271.1	1710	12.56	0.256	70.3	85.0
	230.0	192.5	250.4	1.630	328.0	1684	15.55	0.312	70.9	87.5
	230.0	187.5	243.9	1.820	371.4	1665	17.80	0.353	70.8	88.7
	230.0	187.5	243.9	1.818	371.0	1665	17.77	0.352	70.8	88.7
	230.0	185.4	241.3	1.901	389.2	1655	18.98	0.374	71.7	89.0
21.3 OZ-FT	230.0	178.6	232.9	2.168	447.8	1626	21.30	0.412	68.6	89.8
1625 RPM	230.0	178.5	232.8	2.173	448.9	1625	21.37	0.413	68.7	89.8
	230.0	177.7	231.9	2.202	455.0	1622	21.79	0.421	69.0	89.8
	230.0	170.7	223.8	2.473	512.5	1589	23.93	0.453	65.9	90.1
	230.0	169.6	222.7	2.509	520.1	1585	24.31	0.459	65.8	90.1
	230.0	169.0	222.1	2.531	524.6	1582	24.54	0.462	65.7	90.1
	230.0	160.1	212.7	2.858	591.5	1539	26.85	0.492	62.0	90.0
	230.0	150.4	203.2	3.211	661.7	1490	28.40	0.504	56.8	89.6
	230.0	140.4	194.4	3.553	727.7	1435	29.83	0.509	52.2	89.1
	230.0	130.1	186.4	3.893	790.7	1374	30.57	0.500	47.2	88.3
BDT OZ-FT	230.0	123.1	181.6	4.116	830.5	1328	30.75	0.486	43.7	87.7
	230.0	120.1	179.6	4.213	847.9	1308	30.50	0.475	41.8	87.5
	230.0	109.8	173.9	4.528	901.4	1233	29.92	0.439	36.3	86.6
	230.0	99.7	169.4	4.819	948.9	1152	28.98	0.397	31.2	85.6
	230.0	89.8	166.4	5.087	990.6	1063	27.54	0.349	26.3	84.7
	230.0	80.1	164.5	5.334	1026.6	963	25.75	0.295	21.5	83.7
	230.0	70.6	163.8	5.560	1059.1	858	23.34	0.239	16.8	82.8
	230.0	62.0	164.2	5.747	1084.1	748	20.62	0.184	12.6	82.0
	230.0	52.9	165.5	5.914	1105.1	622	17.23	0.128	8.6	81.2
	230.0	44.8	167.8	6.042	1120.6	491	14.77	0.086	5.8	80.6
	230.0	37.6	170.5	6.132	1130.6	350	11.82	0.049	3.3	80.2
	230.0	31.7	173.5	6.185	1136.4	200	9.22	0.022	1.4	79.9

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

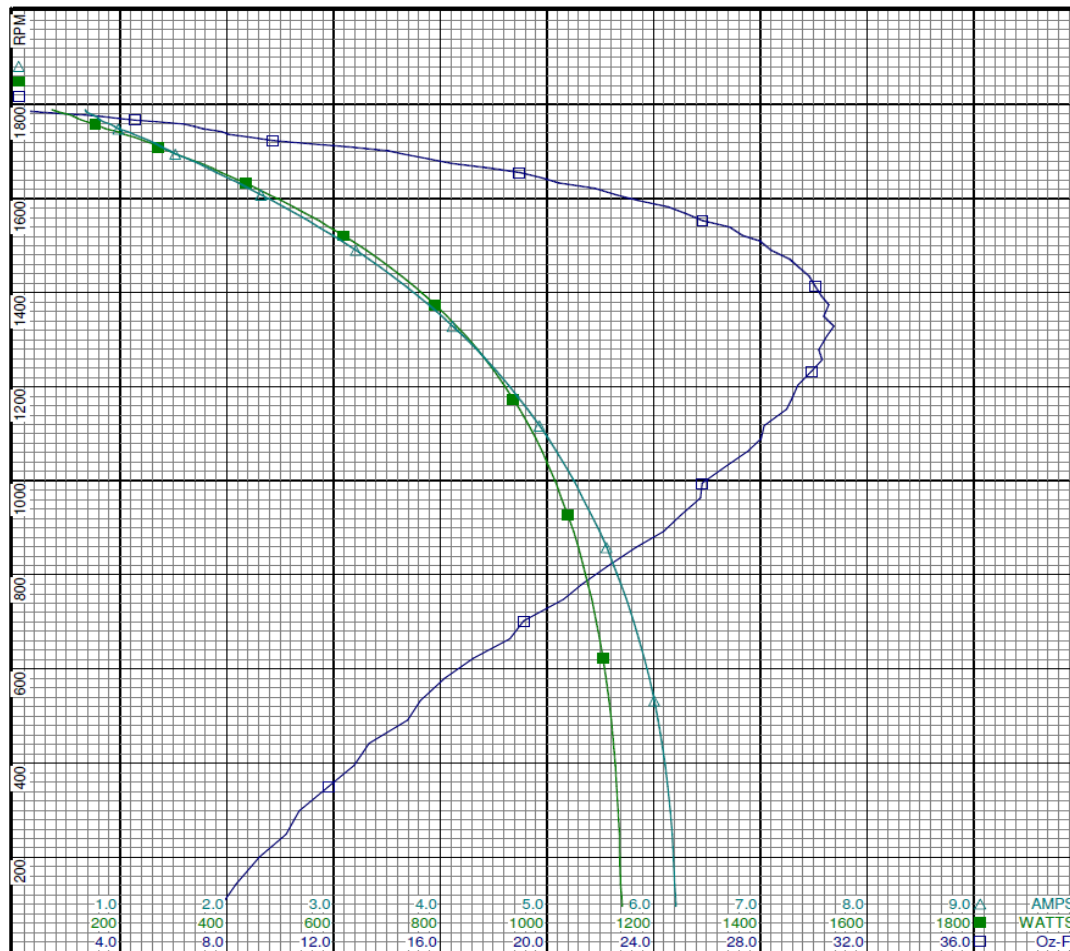
Performance Data



3LU82BG

REV.

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Curve Descriptions:

Motor(1) Test 5 Run 230V 60 Hz 4P
M2 - MEDIUM SPEED REV 7.5ufd Run

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

Motor Ratings:

(1) K55HXHLMV-2488 ID: 1

DRAWING NO. PAGE 20 of 24
3LU82BG

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

Performance Data



3LU82BG

REV.

-

Dayton Manufacturing Company

Motor Description

Test Conditions

Model:	K55HXHXLHV-2488	Test Type:	Start	Run Cap:	7.5
Motor ID:	1	Test Number:	18	Start Cap:	0µfd
Poles:	4	Poles:	4	Environment:	22.4 Deg C 54 % RH 964 hPa
Volts:	208-230	Volts:	230	Tested:	7/2/2016 2:04:38 PM
Frequency:	60	Hz:	60	Tested By:	Navarro, Susana
HP:	1/2	Rotation:		Gear Ratio:	1:1
Speed:	1625	Special Cond:	M3	Bearing Friction:	-0.88 Oz-Ft
Phase:	1	Speed Conn:	M3	Windage Torque:	-1.01 Oz-Ft
Protector:	7AM033-A5	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 (%)
PUT OZ-FT	230.0	22.6	140.8	3.945	697.3	26	0.129	0.000	0.0	76.8
	230.0	22.6	140.8	3.945	697.3	26	0.129	0.000	0.0	76.8
	230.0	25.2	136.3	3.918	692.1	188	2.360	0.005	0.6	76.8
	230.0	29.7	133.9	3.875	687.5	340	2.824	0.011	1.2	77.1
	230.0	35.2	131.7	3.811	681.7	481	4.822	0.028	3.0	77.8
	230.0	41.7	129.5	3.722	672.6	617	8.084	0.059	6.6	78.6
	230.0	48.5	128.1	3.617	660.8	737	9.774	0.086	9.7	79.4
	230.0	55.7	127.4	3.489	645.3	854	12.276	0.125	14.4	80.4
	230.0	63.0	127.7	3.348	626.9	957	13.516	0.154	18.3	81.4
	230.0	70.7	128.9	3.189	605.4	1057	15.189	0.191	23.6	82.5
	230.0	78.4	131.1	3.022	581.2	1147	15.969	0.218	28.0	83.6
	230.0	86.3	134.4	2.843	553.9	1227	16.344	0.239	32.2	84.7
	230.0	94.5	139.1	2.642	520.6	1302	17.093	0.265	38.0	85.7
	230.0	102.6	144.5	2.438	486.1	1370	17.074	0.279	42.7	86.7
	230.0	110.9	151.0	2.221	447.3	1433	16.854	0.288	48.0	87.6
	230.0	118.6	158.0	2.009	407.5	1487	16.217	0.287	52.6	88.2
	230.0	126.2	165.5	1.796	366.3	1537	15.135	0.277	56.4	88.7
	230.0	133.4	173.2	1.586	324.3	1582	13.725	0.259	59.5	88.9
	230.0	139.6	180.4	1.399	285.9	1619	12.142	0.234	61.1	88.9
	230.0	145.8	188.0	1.213	246.4	1653	10.118	0.199	60.3	88.3
	230.0	151.4	195.9	1.026	204.1	1683	9.287	0.186	68.0	86.5
	230.0	156.0	202.0	0.885	173.1	1708	6.922	0.141	60.7	85.1
	230.0	159.8	208.8	0.752	141.0	1730	5.635	0.116	61.4	81.5
	230.0	163.2	214.6	0.639	114.6	1747	3.388	0.070	45.9	77.9
	230.0	165.7	221.5	0.541	90.2	1762	2.461	0.052	42.7	72.5
	230.0	167.4	227.1	0.480	74.1	1774	1.607	0.034	34.1	67.2
	230.0	169.9	231.9	0.426	57.5	1782	0.544	0.012	15.0	58.7
	230.0	171.4	234.1	0.400	49.0	1789	0.000	0.000	0.0	53.2

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3LU82BG

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

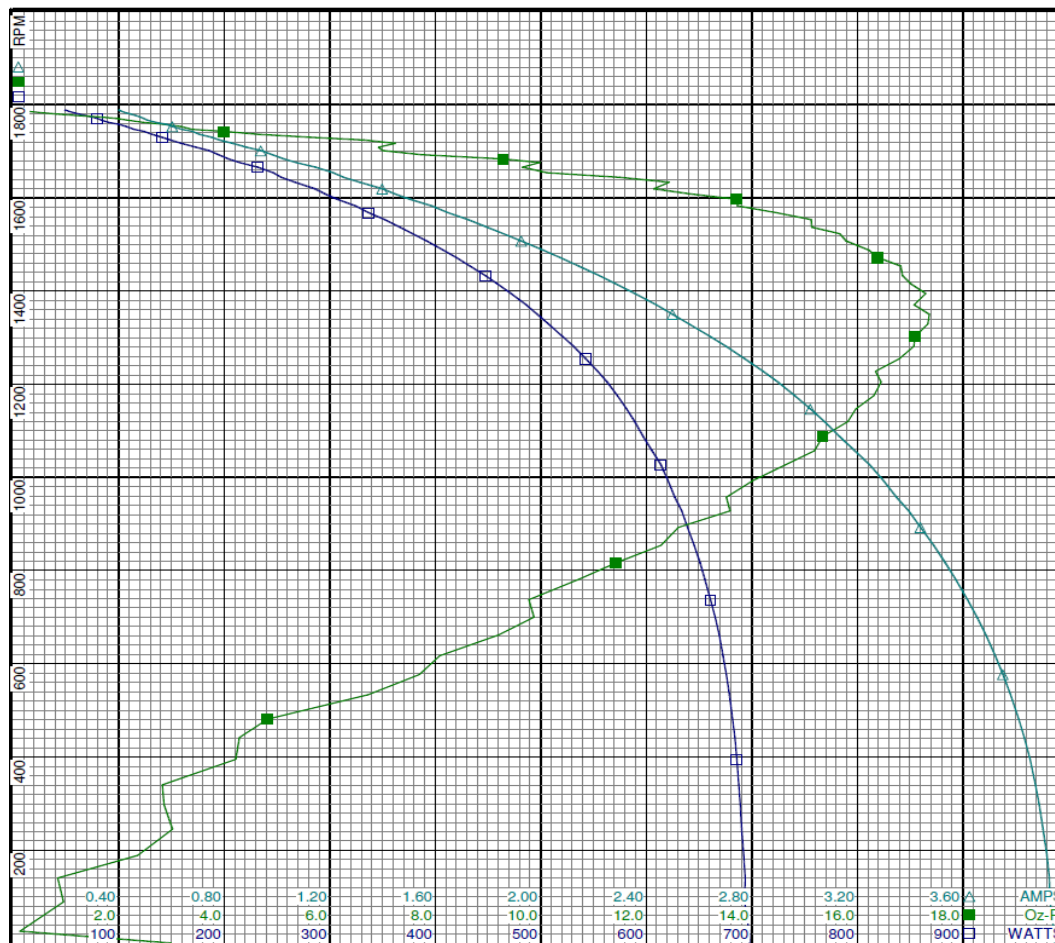
Performance Data



3LU82BG

REV.

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Curve Descriptions:

Motor(1) Test 18 Start 230V 60 Hz 4P
M3 M3 7.5ufd Run

- SPEED vs WATTS
- SPEED vs TORQUE
- △ SPEED vs ILINe

Motor Ratings:

(1) K55HXHLMV-2488 ID: 1

DRAWING NO.	PAGE 22 of 24	REV.
3LU82BG		-

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

Performance Data



3LU82BG

REV.

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Dayton Manufacturing Company

Motor Description

Model: K55HXHXL MV-2488
 Motor ID: 1
 Poles: 4
 Volts: 208-230
 Frequency: 60
 HP: 1/2
 Speed: 1625
 Phase: 1
 Protector: 7AM033-A5

Test Conditions

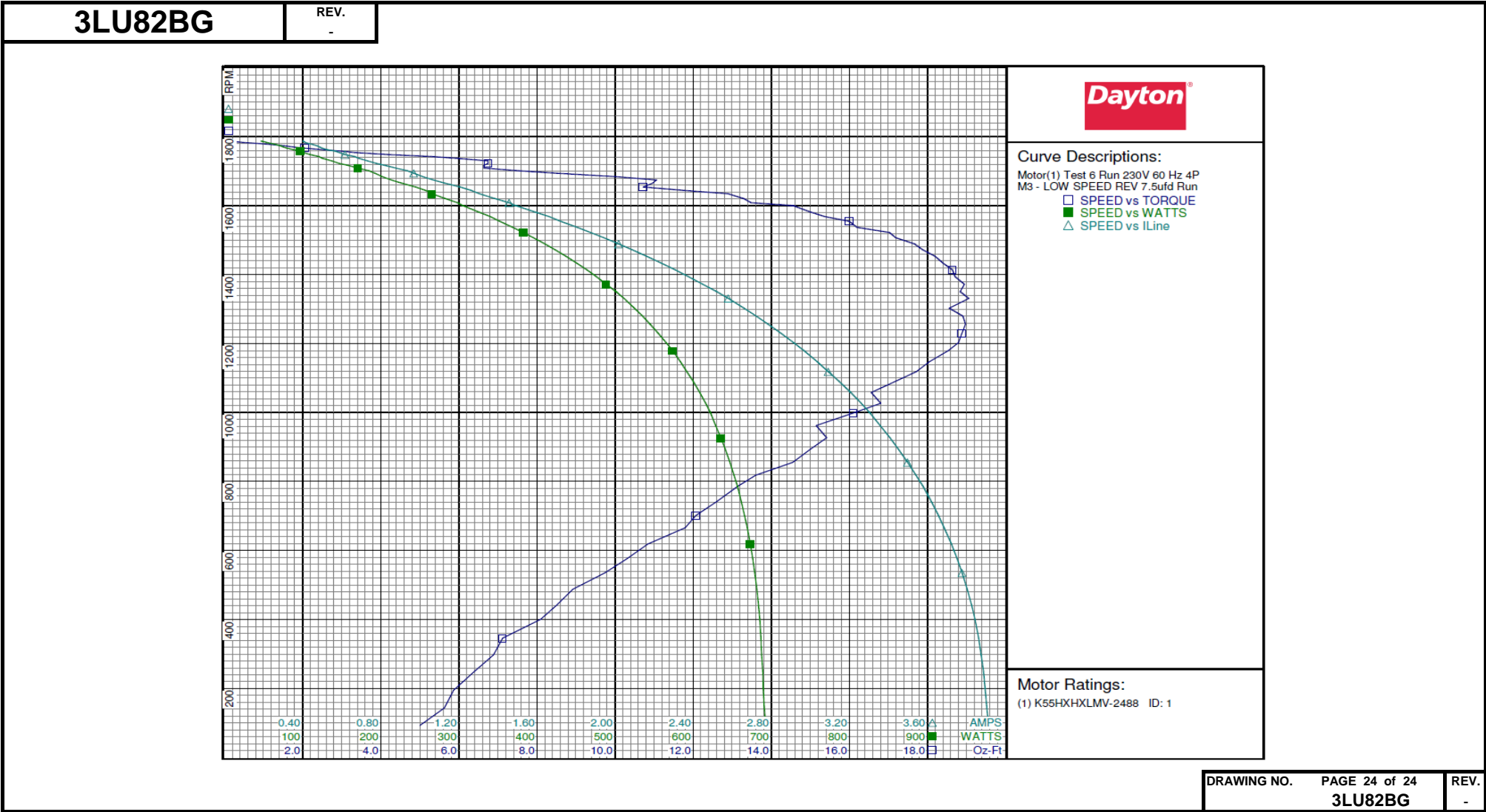
Test Type: Run
 Test Number: 6
 Poles: 4
 Volts: 230
 Hz: 60
 Rotation: REV
 Special Cond: M3 - LOW SPEED
 Speed Conn: CMD InLine Three Phase #2
 TestBoard: Fixture #1
 Run Cap: 7.5
 Start Cap: 0µfd
 Environment: 22.4 Deg C 54 % RH 964 hPa
 Tested: 7/2/2016 2:05:53 PM
 Tested By: Navarro, Susana
 Gear Ratio: 1:1
 Bearing Friction: -0.91 Oz-Ft
 Windage Torque: -1.21 Oz-Ft

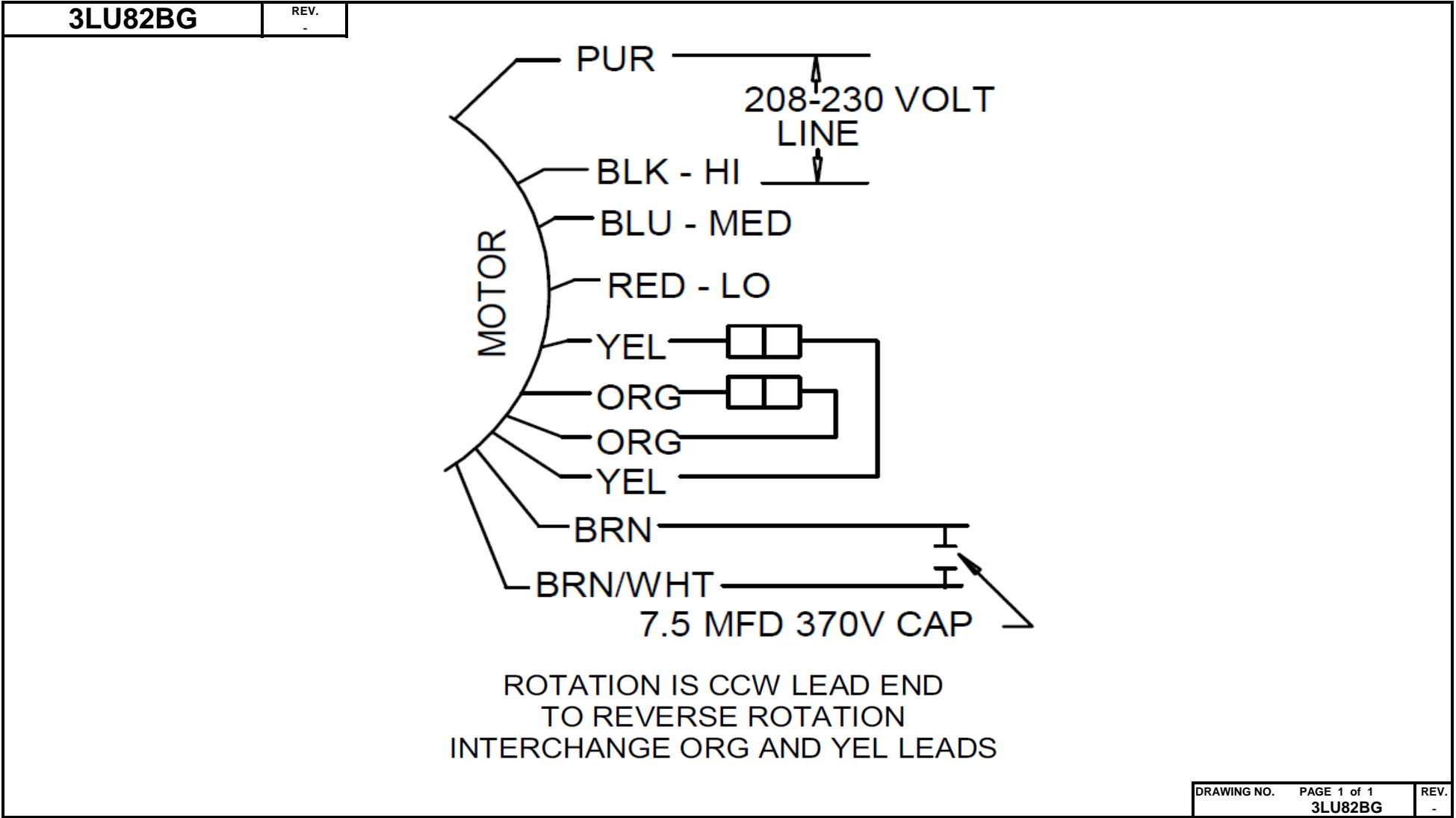
Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
	230.0	171.3	234.3	0.402	46.5	1787	0.000	0.000	0.0	50.4
	230.0	170.6	232.4	0.417	55.6	1782	0.598	0.013	17.0	58.0
	230.0	167.6	227.7	0.473	71.3	1773	1.527	0.032	33.7	65.6
	230.0	166.3	222.3	0.528	88.3	1762	2.543	0.053	45.0	72.8
	230.0	163.9	215.6	0.617	109.5	1748	4.210	0.088	59.7	77.2
	230.0	160.5	209.4	0.732	137.1	1730	6.746	0.139	75.6	81.5
	230.0	156.5	202.8	0.877	170.7	1709	6.642	0.135	59.0	84.6
	230.0	151.3	196.0	1.014	201.8	1684	10.018	0.201	74.2	86.5
	230.0	150.0	194.3	1.055	210.4	1677	10.800	0.216	76.4	86.7
	230.0	148.2	191.5	1.128	226.6	1665	10.959	0.217	71.5	87.4
	230.0	146.1	188.4	1.206	244.6	1654	10.721	0.211	64.4	88.2
13.06 OZ-FT	230.0	141.4	182.8	1.338	272.8	1628	13.060	0.253	69.3	88.6
1625 RPM	230.0	140.9	182.1	1.357	276.7	1625	13.153	0.254	68.6	88.7
	230.0	140.1	181.1	1.384	282.5	1620	13.292	0.256	67.7	88.7
	230.0	135.5	175.7	1.519	310.7	1594	14.680	0.279	66.9	88.9
	230.0	133.9	173.9	1.570	321.2	1585	14.912	0.281	65.4	89.0
	230.0	133.3	173.2	1.590	325.3	1581	15.002	0.282	64.8	89.0
	230.0	126.1	165.3	1.806	368.9	1537	16.195	0.296	59.9	88.8
	230.0	118.6	157.8	2.019	410.2	1489	17.669	0.313	56.9	88.4
	230.0	110.7	150.7	2.237	450.8	1433	18.395	0.314	51.9	87.6
	230.0	102.6	144.4	2.448	488.5	1372	18.944	0.309	47.3	86.7
BDT OZ-FT	230.0	97.5	140.8	2.580	511.4	1331	19.057	0.302	44.0	86.2
	230.0	94.3	138.7	2.660	524.6	1302	18.555	0.288	40.9	85.7
	230.0	86.3	134.3	2.851	555.3	1229	18.879	0.276	37.1	84.7
	230.0	78.3	130.9	3.036	583.6	1147	18.045	0.246	31.5	83.6
	230.0	70.5	128.7	3.207	608.3	1058	16.557	0.209	25.6	82.5
	230.0	63.0	127.5	3.357	628.6	962	15.149	0.174	20.6	81.4
	230.0	55.5	127.3	3.498	646.8	855	14.549	0.148	17.1	80.4
	230.0	48.5	127.9	3.620	661.6	741	12.599	0.111	12.5	79.5
	230.0	41.6	129.4	3.722	673.0	619	10.838	0.080	8.8	78.6
	230.0	35.3	131.4	3.803	681.4	487	8.917	0.052	5.7	77.9
	230.0	29.7	133.9	3.862	686.7	346	7.117	0.029	3.2	77.3
	230.0	25.4	136.0	3.895	689.6	194	5.862	0.014	1.5	77.0

DRAWING NO. PAGE 23 of 24 REV.
 3LU82BG -

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

Performance Data





Dayton®

DIRECT DRIVE BLOWER MOTOR

HP: 0.5**VOLTS:** 208-230**AMPS:** 4.0 - 4.5**RPM:** 1625/3SPD**DUTY:** CONT**SF:** 1.0**KVA CODE:****ENCL:** OAO**THERMALLY PROTECTED:** AUTOMFG. NO. PROT. CODE: AVG. F.L. 69.1
EFF.**MTR REF:** K55HXL MV-2488**[BAR CODE]**Part
No **3LU82BG****PH:** 1**HZ:** 60**FR:** 48YZ**INS CL:** B**AMB:** 40°C**SFA:** 4.0 - 4.5**Disconnect Power Before Making Any
Electrical Connections or Changes**

CONNECTIONS

COM	PURPLE
HI	BLACK
MED	BLUE
LO	RED
CAP	BROWN
CAP	BROWN/WHITE

ROTATION IS CCW LEAD END
TO REVERSE ROTATION
INTERCHANGE ORG AND YEL LEADS



E37403



258501

**7.5 MFD 370 VAC
CAP. REQD.****Mfd for Dayton Electric Mfg. Co., Lake Forest, IL 60045 USA**