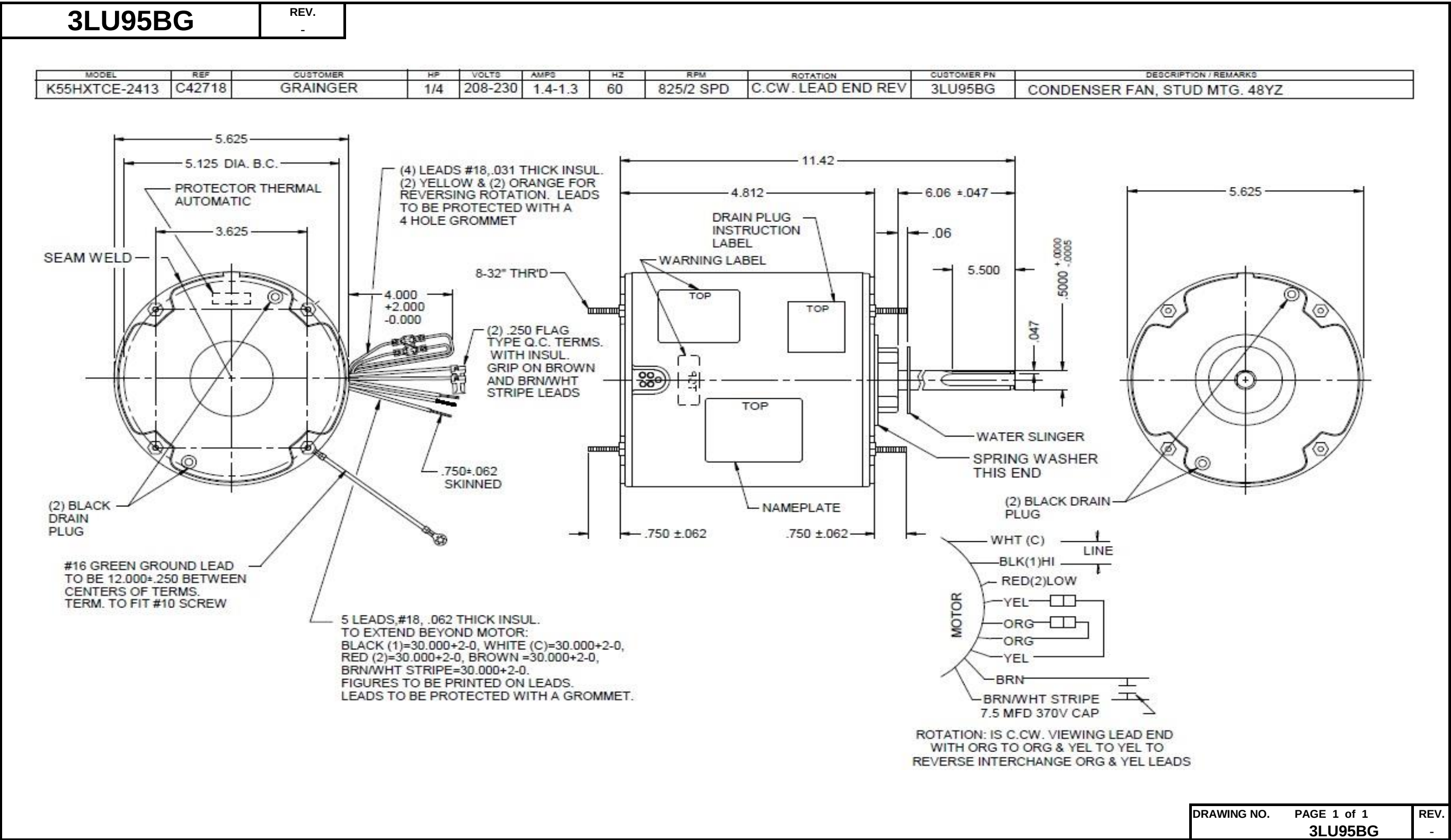


Dimensional Drawing



DRAWING NO.

PAGE 1 of 1

REV.

3LU95BG

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

Performance Data



3LU95BG

REV.
-

MOTOR PERFORMANCE

HP:	1/4 HP								
Poles:	8P								
No. of Speeds:	2	High Speed		Low Speed					
Volts:	208/230	208	230	208	230				
HZ:	60HZ	60	60	60	60				
Service Factor:	1								
Efficiency:	@ Rated Load								
Power Factor:	@ Rated Load								
Amps:	@ No Load								
	@ Rated Load	1.4	1.3	NP	NP				
	@ Service Factor	1.4	1.3	NP	NP				
	@ Locked Rotor	2.4	2.7	1.44	1.6				
RPM:	@ Rated Load	810	838	NP	NP				
Ambient (°C):									
Altitude (FASL):									
Torques:	Breakdown	8.4	34.7	16.1	19.7				
	Locked Rotor	8.39	9.91	4.76	5.82				
	Pull-Up	8.4	2.7	4.73	5.8				
	Rated Load	25.5	25.5	NP	NP				
	Service Factor	25.5	25.5	NP	NP				
Watts:	Rated Load	295	303	NP	NP				
KVA Code:									
Temperature Rise:	@ Rated Load								
	@ Service Factor								
Thermal Protector:	Trip Temp (°C)								
Winding Material:	Start (Auxiliary)	Cu							
	Run (Main)	Cu							
Capacitor(s):	Start (MFD / Volts)	NA							
	No. of Start Capacitors								
	Run (MFD / Volts)	7.5 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
3LU95BG

REV.
-

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

Performance Data



3LU95BG

REV.
-

Dayton Manufacturing Company

Motor Description

Model: K055TCE2413 3LU95BG
Motor ID: 1
Poles: 8
Volts: 208-230
Frequency: 60
HP: 1/4
Speed: 825
Phase: 1
Protector: 7AM036-A5

Test Conditions

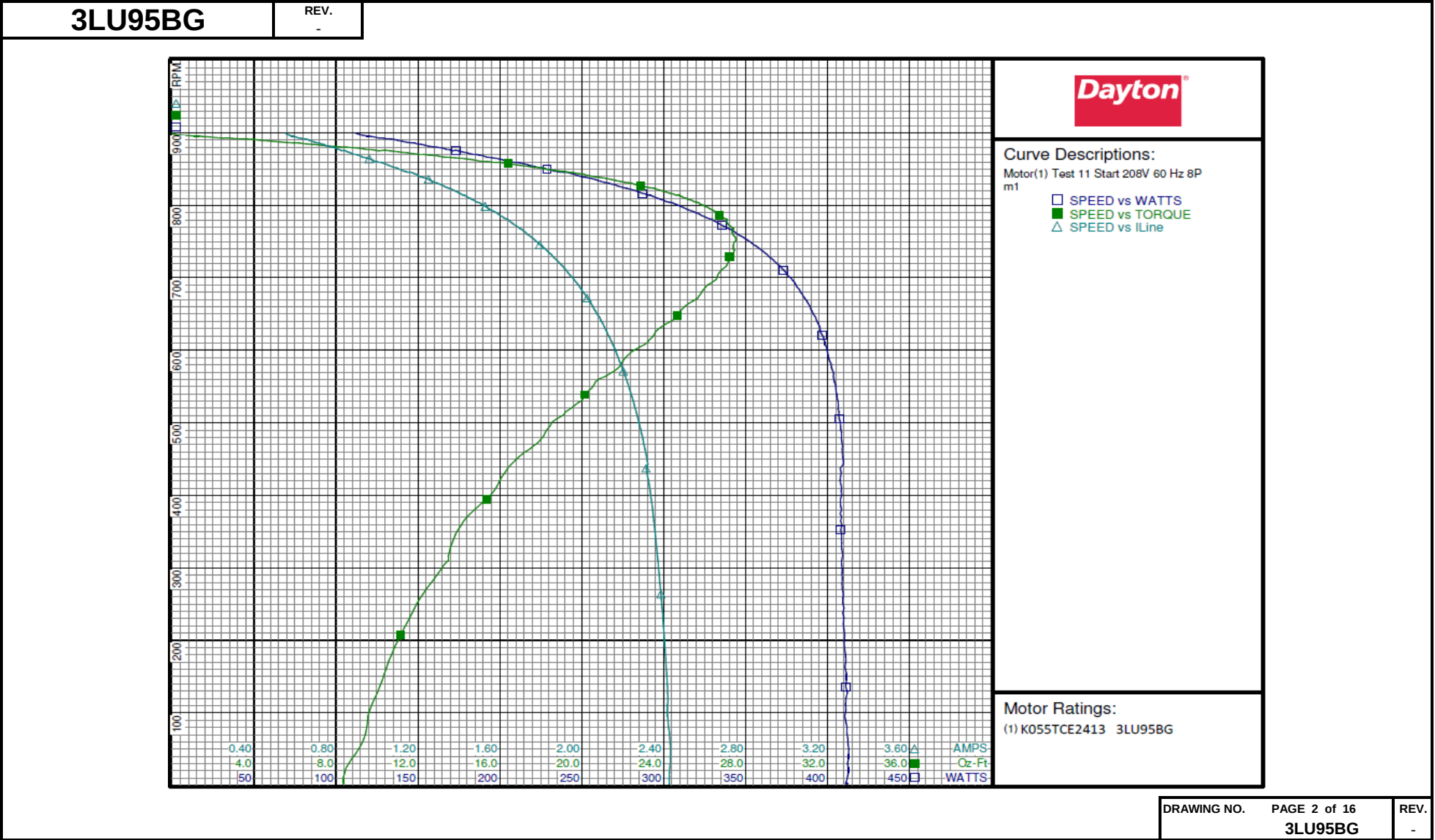
Test Type: Start Run Cap: 0
Test Number: 11 Start Cap: 7.5 μ Fd
Poles: 8 Environment: 21.5 Deg C 37 % RH 998 hPa
Volts: 208 Tested: 3/10/2016 2:39:50 PM
Hz: 60 Tested By: Sharp, Gerald
Rotation: Gear Ratio: 1:1
Special Cond: Bearing Friction: -0.04 Oz-Ft
Speed Conn: m1 Windage Torque: -0.39 Oz-Ft
TestBoard: Amtps Performance Fixture #4

Special Points	Vline(V)	Vaux(V)	Vcap(V)	Iline(A)	Imain(A)	Iaux(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)	Cap
	208.0	69.9	256.0	2.427	2.781	0.730	411.8	2	8.39	0.000	0.0	81.6	7.6
PUT OZ-FT	208.0	70.0	255.7	2.427	2.780	0.729	411.4	4	8.35	0.000	0.1	81.5	7.6
	208.0	70.0	255.7	2.427	2.780	0.729	411.4	4	8.35	0.000	0.1	81.5	7.6
	208.0	71.3	253.0	2.430	2.767	0.721	412.3	65	9.37	0.007	1.3	81.6	7.6
	208.0	72.5	250.6	2.416	2.739	0.714	411.6	145	10.26	0.018	3.2	81.9	7.6
	208.0	74.7	247.4	2.396	2.696	0.705	410.0	231	11.60	0.032	5.8	82.3	7.6
	208.0	77.4	244.7	2.375	2.653	0.697	408.9	298	13.14	0.047	8.5	82.8	7.6
	208.0	81.2	242.4	2.354	2.608	0.690	408.8	358	14.11	0.060	11.0	83.5	7.6
	208.0	85.5	240.7	2.332	2.560	0.686	408.5	410	15.81	0.077	14.1	84.2	7.6
	208.0	90.7	239.4	2.308	2.494	0.682	408.9	463	17.44	0.096	17.6	85.2	7.6
	208.0	96.9	238.8	2.270	2.425	0.680	406.9	511	19.11	0.116	21.3	86.2	7.6
	208.0	103.8	238.5	2.227	2.348	0.680	404.9	552	20.60	0.135	24.9	87.4	7.6
	208.0	111.2	239.0	2.178	2.266	0.680	400.6	590	22.13	0.155	28.9	88.4	7.6
	208.0	119.8	240.4	2.122	2.172	0.684	395.8	625	23.59	0.175	33.1	89.7	7.5
	208.0	129.3	243.0	2.059	2.068	0.692	389.7	657	24.91	0.195	37.3	91.0	7.5
	208.0	139.3	246.6	1.990	1.957	0.702	381.3	687	26.05	0.213	41.7	92.1	7.6
	208.0	149.9	251.5	1.915	1.841	0.716	372.3	713	26.90	0.228	45.7	93.4	7.6
	208.0	160.9	257.5	1.835	1.718	0.733	360.8	736	27.43	0.240	49.7	94.5	7.5
	208.0	171.5	264.4	1.753	1.598	0.752	348.0	756	27.48	0.247	53.0	95.5	7.5
	208.0	182.6	272.4	1.665	1.475	0.775	334.0	774	27.12	0.250	55.8	96.5	7.6
	208.0	193.4	281.2	1.573	1.351	0.801	318.3	791	26.51	0.250	58.5	97.3	7.6
	208.0	203.4	290.1	1.482	1.236	0.825	301.6	805	25.49	0.244	60.4	97.8	7.5
	208.0	213.3	299.0	1.392	1.127	0.852	285.0	818	24.11	0.235	61.4	98.4	7.6
	208.0	222.7	308.6	1.297	1.025	0.879	266.7	830	22.44	0.222	62.0	98.8	7.6
	208.0	231.4	317.6	1.207	0.939	0.905	248.9	840	20.45	0.204	61.3	99.2	7.6
	208.0	239.8	327.4	1.100	0.867	0.931	226.8	851	18.06	0.183	60.2	99.1	7.5
	208.0	247.9	336.8	1.008	0.812	0.958	208.2	859	15.65	0.160	57.4	99.3	7.5
	208.0	255.4	346.0	0.917	0.782	0.984	189.4	868	12.87	0.133	52.4	99.3	7.5
	208.0	262.4	355.1	0.829	0.775	1.011	171.3	875	10.09	0.105	45.8	99.3	7.6
	208.0	269.0	364.1	0.738	0.794	1.037	152.1	884	6.90	0.073	35.6	99.0	7.6
	208.0	275.7	374.0	0.637	0.844	1.065	130.7	891	3.14	0.033	19.0	98.6	7.6
	208.0	280.6	381.3	0.564	0.896	1.085	114.3	898	0.12	0.001	0.8	97.5	7.5
	208.0	280.7	381.6	0.555	0.904	1.088	112.3	899	0.00	0.000	0.0	97.2	7.6

DRAWING NO. PAGE 1 of 16 REV.
3LU95BG -

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

Performance Data



Performance Data



3LU95BG

REV.
-

Dayton Manufacturing Company

Motor Description

Model: K055TCE2413 3LU95BG
Motor ID: 1
Poles: 8
Volts: 208-230
Frequency: 60
HP: 1/4
Speed: 825
Phase: 1
Protector: 7AM036-A5

Test Conditions

Test Type: Run Run Cap: 0
Test Number: 3 Start Cap: 7.5 μ Fd
Poles: 8 Environment: 21.5 Deg C 37 % RH 998 hPa
Volts: 208 Tested: 3/10/2016 2:29:46 PM
Hz: 60 Tested By: Sharp, Gerald
Rotation: Gear Ratio: 1:1
Special Cond: Bearing Friction: -0.16 Oz-Ft
Speed Conn: m1 Windage Torque: -0.46 Oz-Ft
TestBoard: Amtps Performance Fixture #4

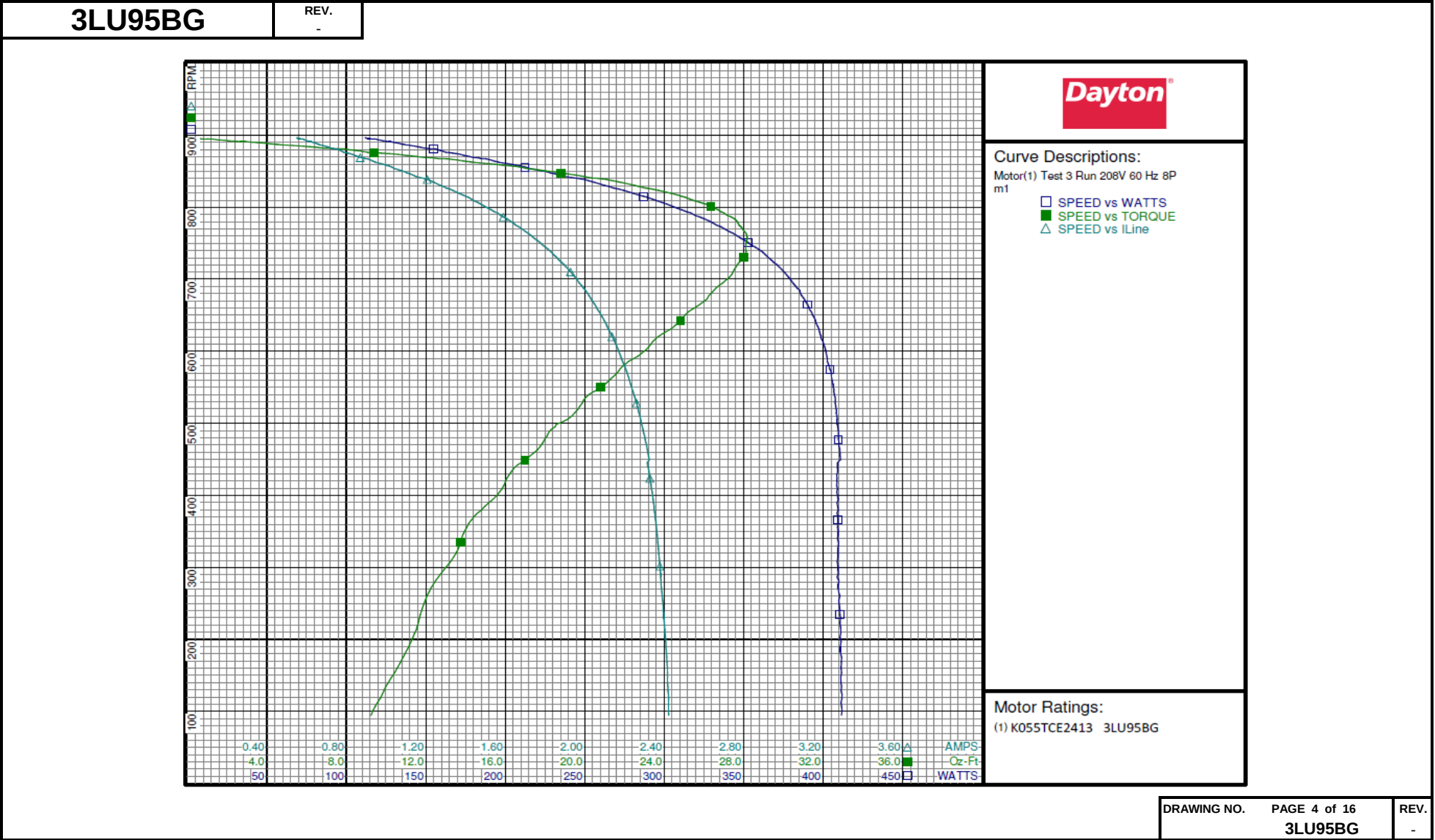
Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Imain (A)	Iaux (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)	Cap
	208.0	280.8	381.8	0.551	0.895	1.086	111.8	896	0.00	0.000	0.0	97.5	7.5
	208.0	277.8	377.0	0.602	0.853	1.073	123.2	892	2.12	0.023	13.6	98.4	7.5
	208.0	274.1	371.1	0.662	0.813	1.056	136.2	887	4.52	0.048	26.1	98.9	7.5
	208.0	268.1	362.6	0.751	0.776	1.032	154.8	881	7.73	0.081	39.1	99.1	7.5
	208.0	263.1	355.5	0.819	0.763	1.012	169.4	874	10.18	0.106	46.7	99.5	7.6
	208.0	255.5	345.5	0.918	0.767	0.983	190.1	866	13.44	0.139	54.4	99.5	7.5
	208.0	246.4	334.4	1.028	0.806	0.951	212.5	856	16.70	0.170	59.7	99.4	7.5
	208.0	237.3	323.7	1.133	0.874	0.921	234.0	845	19.50	0.196	62.5	99.3	7.5
	208.0	225.6	310.9	1.273	0.986	0.886	262.2	830	22.50	0.222	63.3	99.1	7.6
	208.0	213.2	298.3	1.400	1.121	0.850	286.8	815	24.87	0.241	62.8	98.5	7.6
25.45 OZ-FT	208.0	209.2	294.4	1.439	1.169	0.839	294.6	810	25.45	0.245	62.1	98.4	7.6
	208.0	199.3	285.4	1.530	1.279	0.813	311.1	796	26.72	0.253	60.7	97.8	7.6
	208.0	185.1	273.5	1.654	1.445	0.780	332.9	775	27.77	0.256	57.4	96.8	7.6
BDT OZ-FT	208.0	173.9	265.1	1.746	1.574	0.756	348.4	757	28.19	0.254	54.4	95.9	7.6
	208.0	170.2	262.6	1.775	1.616	0.749	352.8	751	28.14	0.251	53.2	95.6	7.6
	208.0	156.1	254.0	1.882	1.776	0.724	368.9	723	27.78	0.239	48.4	94.2	7.6
	208.0	143.3	247.6	1.974	1.920	0.706	381.2	694	26.93	0.223	43.5	92.8	7.6
	208.0	132.4	243.3	2.051	2.042	0.694	390.2	665	25.79	0.204	39.0	91.5	7.6
	208.0	122.9	240.6	2.112	2.145	0.686	396.4	635	24.53	0.185	34.9	90.2	7.6
	208.0	115.1	239.1	2.163	2.231	0.682	401.1	605	23.21	0.167	31.1	89.2	7.6
	208.0	108.3	238.5	2.206	2.306	0.680	404.2	575	21.77	0.149	27.5	88.1	7.6
	208.0	102.5	238.3	2.243	2.370	0.680	406.7	543	20.42	0.132	24.2	87.2	7.6
	208.0	97.1	238.6	2.277	2.431	0.680	408.6	510	19.36	0.118	21.5	86.3	7.6
	208.0	92.6	239.0	2.304	2.481	0.682	409.7	478	17.99	0.102	18.6	85.5	7.6
	208.0	88.7	239.9	2.317	2.528	0.684	408.9	442	16.61	0.087	15.9	84.8	7.6
	208.0	84.9	240.8	2.339	2.571	0.687	408.6	405	15.72	0.076	13.8	84.0	7.6
	208.0	81.8	242.1	2.356	2.607	0.690	409.4	366	14.30	0.062	11.3	83.5	7.6
	208.0	78.9	243.5	2.371	2.640	0.694	409.2	325	13.63	0.053	9.6	83.0	7.6
	208.0	76.7	245.2	2.384	2.669	0.700	409.8	282	12.50	0.042	7.6	82.6	7.6
	208.0	74.9	247.3	2.398	2.697	0.705	410.6	235	11.73	0.033	6.0	82.3	7.6
	208.0	73.5	248.8	2.409	2.720	0.710	410.7	189	11.13	0.025	4.6	82.0	7.6
	208.0	72.2	251.0	2.419	2.745	0.716	411.6	134	9.99	0.016	2.9	81.8	7.6

DRAWING NO. PAGE 3 of 16
3LU95BG

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

Performance Data



Performance Data



3LU95BG

REV.
-

Dayton Manufacturing Company

Motor Description

Model: K055TCE2413 3LU95BG
Motor ID: 1
Poles: 8
Volts: 208-230
Frequency: 60
HP: 1/4
Speed: 825
Phase: 1
Protector: 7AM036-A5

Test Conditions

Test Type: Start
Test Number: 28
Poles: 8
Volts: 208
Hz: 60
Rotation: 60
Special Cond:
Speed Conn: m2
TestBoard: Amtps Performance Fixture #4
Run Cap: 0
Start Cap: 7.5 µFd
Environment: 21.4 Deg C 33 % RH 1005 hPa
Tested: 3/11/2016 9:14:57 AM
Tested By: Sharp, Gerald
Gear Ratio: 1:1
Bearing Friction: -0.06 Oz-Ft
Windage Torque: -0.32 Oz-Ft

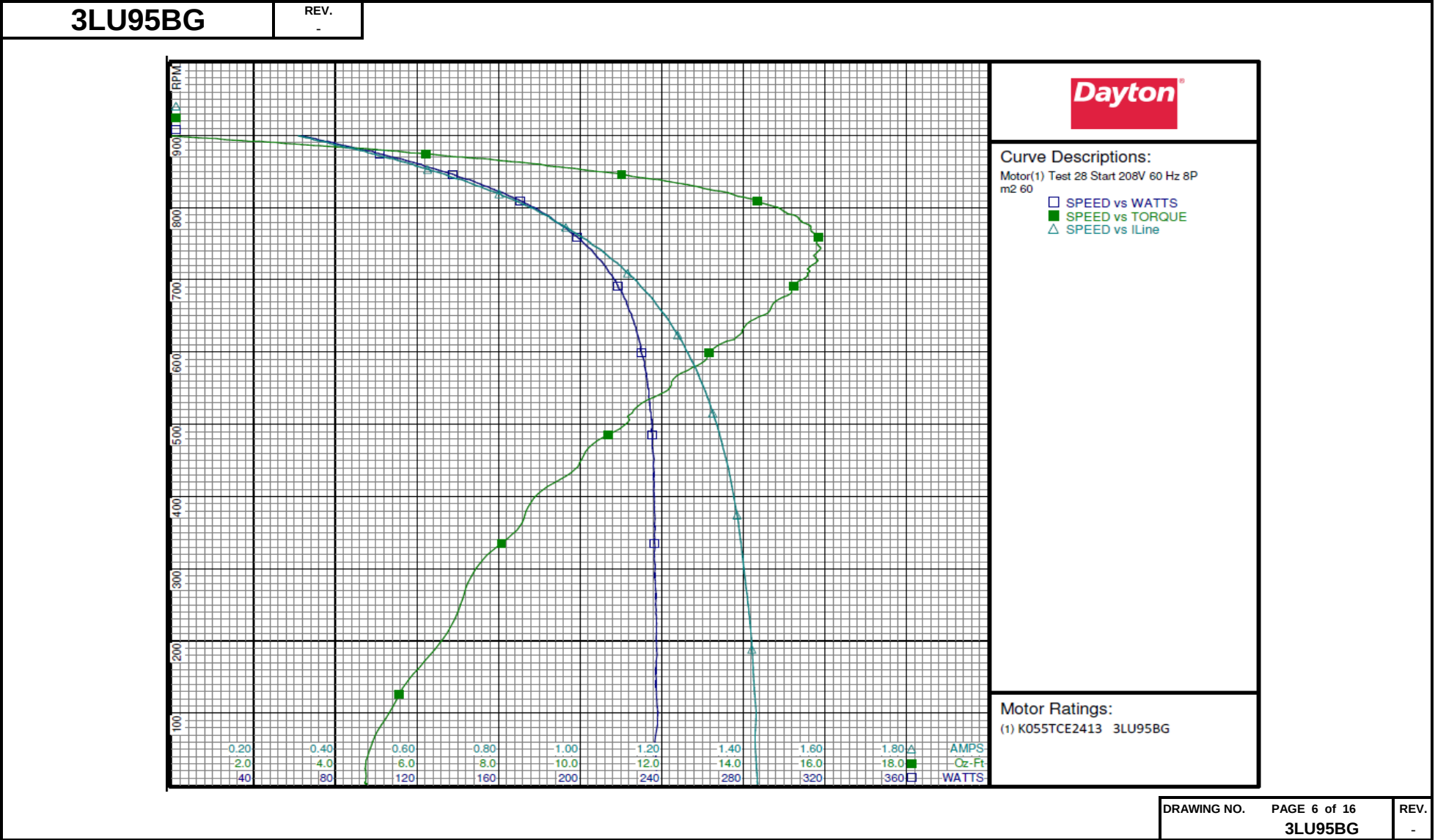
Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Imain (A)	Iaux (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)	Cap
PUT OZ-FT	208.0	47.0	187.3	1.435	1.727	0.535	237.9	2	4.764	0.000	0.0	79.7	7.6
	208.0	47.0	187.3	1.434	1.727	0.534	237.7	4	4.725	0.000	0.1	79.7	7.6
	208.0	47.2	187.2	1.434	1.726	0.534	237.6	6	4.745	0.000	0.1	79.7	7.6
	208.0	48.4	186.3	1.429	1.717	0.532	236.6	61	4.919	0.004	1.1	79.6	7.6
	208.0	53.3	183.4	1.426	1.698	0.523	237.3	145	5.783	0.010	3.1	80.0	7.6
	208.0	58.1	180.7	1.417	1.672	0.516	237.5	225	6.876	0.018	5.8	80.6	7.6
	208.0	62.8	178.3	1.403	1.640	0.508	236.6	294	7.385	0.026	8.2	81.1	7.6
	208.0	67.8	176.1	1.390	1.610	0.502	236.6	353	8.450	0.036	11.2	81.8	7.6
	208.0	73.1	174.4	1.374	1.573	0.497	236.1	408	9.072	0.044	13.9	82.6	7.6
	208.0	78.5	173.0	1.355	1.532	0.493	236.0	456	10.083	0.055	17.3	83.7	7.6
	208.0	84.3	171.9	1.334	1.488	0.490	235.1	502	11.157	0.067	21.1	84.7	7.6
	208.0	90.4	171.3	1.308	1.437	0.488	233.6	545	12.088	0.078	25.0	85.9	7.6
	208.0	96.3	171.3	1.280	1.384	0.488	231.4	581	12.873	0.089	28.7	86.9	7.6
	208.0	103.4	172.0	1.246	1.322	0.490	228.8	617	13.784	0.101	33.0	88.3	7.6
	208.0	111.1	173.5	1.207	1.252	0.494	225.4	651	14.518	0.113	37.3	89.8	7.6
	208.0	118.6	175.9	1.166	1.181	0.501	220.8	680	15.156	0.123	41.5	91.0	7.6
	208.0	126.5	179.2	1.122	1.107	0.511	215.6	706	15.572	0.131	45.3	92.4	7.6
	208.0	134.4	183.8	1.073	1.027	0.524	208.6	731	15.778	0.137	49.1	93.5	7.6
	208.0	142.3	189.3	1.020	0.947	0.539	201.0	753	15.804	0.142	52.6	94.7	7.6
	208.0	150.2	195.7	0.965	0.871	0.557	192.2	773	15.665	0.144	55.9	95.7	7.6
	208.0	157.7	202.7	0.914	0.795	0.577	183.6	790	15.224	0.143	58.2	96.5	7.6
	208.0	165.3	210.3	0.855	0.721	0.599	173.1	806	14.480	0.139	59.9	97.4	7.6
	208.0	172.2	218.1	0.796	0.656	0.621	162.3	820	13.630	0.133	61.2	98.0	7.6
	208.0	178.9	226.2	0.736	0.601	0.645	151.0	833	12.530	0.124	61.3	98.6	7.6
	208.0	185.3	234.8	0.673	0.557	0.669	138.6	845	11.135	0.112	60.3	99.0	7.6
	208.0	190.7	242.5	0.615	0.532	0.691	127.1	855	9.724	0.099	58.1	99.3	7.6
	208.0	196.4	250.9	0.553	0.523	0.716	114.4	865	8.006	0.082	53.8	99.5	7.6
	208.0	201.5	259.2	0.492	0.531	0.739	102.0	874	6.220	0.065	47.3	99.7	7.6
208.0	207.4	269.2	0.417	0.563	0.768	86.2	885	3.825	0.040	34.9	99.5	7.6	
208.0	211.6	276.7	0.363	0.600	0.789	75.0	892	1.926	0.020	20.3	99.5	7.6	
208.0	214.9	283.5	0.310	0.647	0.810	63.8	899	0.000	0.000	0.0	99.0	7.6	

DRAWING NO. PAGE 5 of 16
3LU95BG

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

Performance Data



Performance Data



3LU95BG

REV.
-

Dayton Manufacturing Company

Motor Description

Model: K055TCE2413 3LU95BG
Motor ID: 1
Poles: 8
Volts: 208-230
Frequency: 60
HP: 1/4
Speed: 825
Phase: 1
Protector: 7AM036-A5

Test Conditions

Test Type: Run Run Cap: 0
Test Number: 20 Start Cap: 7.5 µFd
Poles: 8 Environment: 21.6 Deg C 37 % RH 998 hPa
Volts: 208 Tested: 3/10/2016 3:28:11 PM
Hz: 60 Tested By: Sharp, Gerald
Rotation: Gear Ratio: 1:1
Special Cond: Bearing Friction: -0.13 Oz-Ft
Speed Conn: m2 Windage Torque: -0.38 Oz-Ft
TestBoard: Amtps Performance Fixture #4

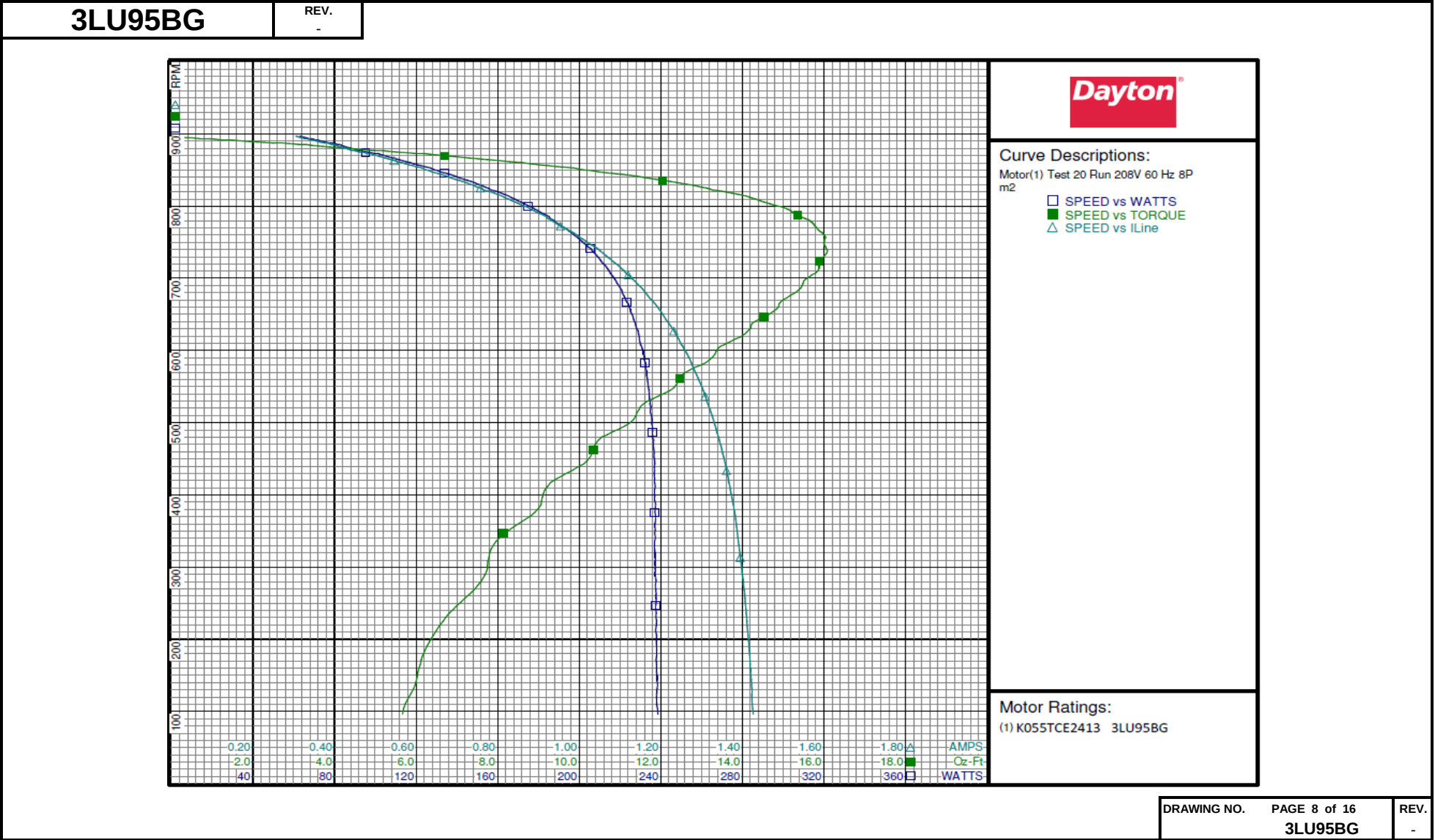
Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Imain (A)	Iaux (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)	Cap
	208.0	215.9	283.9	0.305	0.641	0.811	63.0	897	0.000	0.000	0.0	99.2	7.6
	208.0	213.3	278.8	0.348	0.601	0.795	72.0	891	1.491	0.016	16.4	99.5	7.6
	208.0	209.7	272.0	0.398	0.564	0.776	82.3	885	3.305	0.035	31.6	99.5	7.6
	208.0	204.8	263.0	0.461	0.527	0.750	95.4	875	5.520	0.057	45.0	99.5	7.6
	208.0	200.2	255.8	0.517	0.514	0.729	107.2	867	7.115	0.073	51.1	99.6	7.6
	208.0	194.9	247.2	0.582	0.510	0.705	120.5	857	9.006	0.092	56.9	99.5	7.6
	208.0	188.7	238.0	0.649	0.532	0.679	134.1	846	10.715	0.108	60.0	99.4	7.6
	208.0	181.2	228.1	0.723	0.576	0.650	148.6	832	12.409	0.123	61.7	98.8	7.6
	208.0	173.9	218.8	0.792	0.638	0.624	161.8	818	13.744	0.134	61.7	98.3	7.6
	208.0	165.6	209.4	0.862	0.716	0.597	174.9	800	14.826	0.141	60.2	97.6	7.6
	208.0	157.2	200.9	0.923	0.801	0.573	185.7	783	15.538	0.145	58.2	96.8	7.6
	208.0	148.5	193.2	0.986	0.890	0.551	196.6	763	15.964	0.145	55.0	95.8	7.6
	208.0	139.9	186.7	1.045	0.975	0.533	205.6	741	16.053	0.142	51.4	94.6	7.6
BDT OZ-FT	208.0	138.8	185.9	1.052	0.986	0.531	206.4	738	16.083	0.141	51.0	94.4	7.6
	208.0	131.9	181.6	1.095	1.056	0.518	212.6	718	15.883	0.136	47.6	93.3	7.6
	208.0	123.9	177.6	1.142	1.133	0.507	218.6	693	15.488	0.128	43.6	92.1	7.6
	208.0	116.7	174.8	1.182	1.202	0.499	223.4	667	14.937	0.119	39.6	90.9	7.6
	208.0	110.0	172.9	1.216	1.264	0.494	227.1	640	14.300	0.109	35.8	89.8	7.6
	208.0	103.8	171.8	1.247	1.320	0.490	229.7	612	13.690	0.100	32.4	88.6	7.6
	208.0	98.3	171.2	1.275	1.371	0.489	232.4	583	13.098	0.091	29.2	87.7	7.6
	208.0	92.9	171.1	1.298	1.415	0.489	233.7	554	12.393	0.082	26.1	86.6	7.6
	208.0	88.2	171.4	1.318	1.455	0.490	235.2	522	11.498	0.071	22.7	85.8	7.6
	208.0	83.3	172.0	1.337	1.494	0.491	236.0	487	10.813	0.063	19.8	84.8	7.6
	208.0	78.9	173.0	1.354	1.528	0.494	236.6	453	10.271	0.055	17.5	84.0	7.6
	208.0	75.0	173.9	1.367	1.558	0.497	237.0	417	9.294	0.046	14.5	83.3	7.6
	208.0	70.8	175.1	1.381	1.587	0.500	237.1	376	8.919	0.040	12.6	82.5	7.6
	208.0	67.2	176.4	1.390	1.610	0.504	237.1	336	7.967	0.032	10.0	82.0	7.6
	208.0	63.5	178.0	1.399	1.633	0.508	237.2	293	7.718	0.027	8.5	81.5	7.6
	208.0	60.2	179.7	1.408	1.654	0.513	237.5	246	6.997	0.021	6.4	81.1	7.6
	208.0	57.2	181.3	1.415	1.672	0.518	237.8	198	6.340	0.015	4.7	80.8	7.6
	208.0	54.2	182.9	1.421	1.688	0.522	238.1	149	6.031	0.011	3.3	80.6	7.6
	208.0	51.4	184.5	1.427	1.703	0.527	238.7	96	5.666	0.006	2.0	80.4	7.6

DRAWING NO. PAGE 7 of 16
3LU95BG

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

Performance Data



Performance Data



3LU95BG

REV.
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Dayton Manufacturing Company

Motor Description

Model: K055TCE2413 3LU95BG
Motor ID: 1
Poles: 8
Volts: 208-230
Frequency: 60
HP: 1/4
Speed: 825
Phase: 1
Protector: 7AM036-A5

Test Conditions

Test Type: Start
Test Number: 12
Poles: 8
Volts: 230
Hz: 60
Rotation:
Special Cond:
Speed Conn: m1
TestBoard: Amtps Performance Fixture #4
Run Cap: 0
Start Cap: 7.5 µFd
Environment: 21.6 Deg C 37 % RH 998 hPa
Tested: 3/10/2016 2:56:24 PM
Tested By: Sharp, Gerald
Gear Ratio: 1:1
Bearing Friction: -0.11 Oz-Ft
Windage Torque: -0.37 Oz-Ft

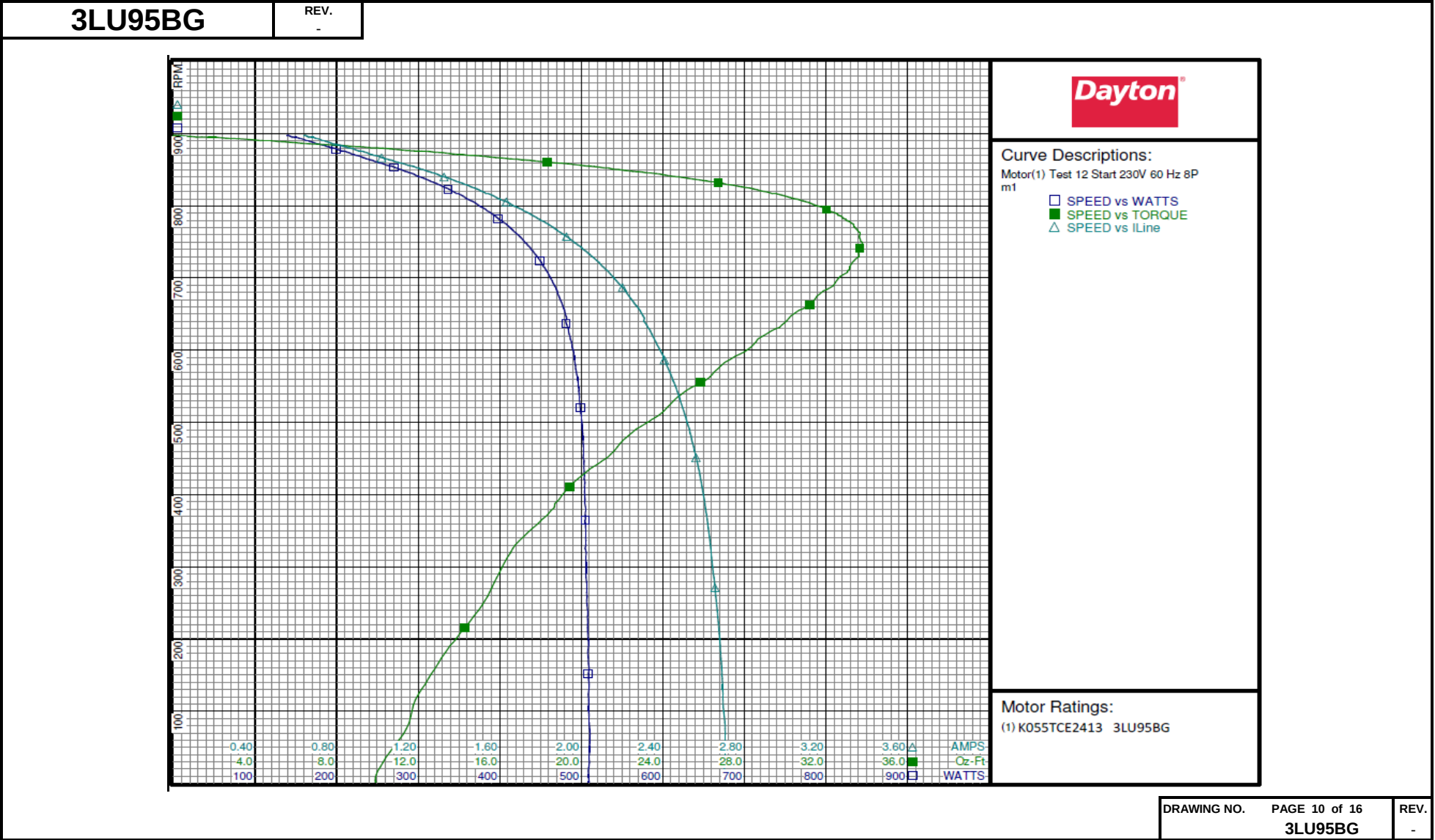
Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Imain (A)	Iaux (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)	Cap
PUT OZ-FT	230.0	77.4	282.9	2.703	3.090	0.806	508.8	2	9.91	0.000	0.0	81.8	7.6
	230.0	77.5	282.8	2.703	3.088	0.806	509.2	5	9.89	0.001	0.1	81.9	7.6
	230.0	77.4	282.6	2.702	3.087	0.805	509.0	8	9.90	0.001	0.1	81.9	7.6
	230.0	79.1	279.3	2.706	3.070	0.795	510.2	76	11.43	0.010	1.5	82.0	7.6
	230.0	80.5	276.9	2.690	3.038	0.788	508.7	152	12.65	0.023	3.3	82.2	7.5
	230.0	83.2	273.4	2.669	2.993	0.779	507.6	232	14.74	0.041	6.0	82.7	7.6
	230.0	86.3	270.5	2.645	2.945	0.770	506.0	299	16.10	0.057	8.4	83.2	7.6
	230.0	90.5	268.0	2.620	2.893	0.763	505.1	359	17.86	0.076	11.3	83.8	7.6
	230.0	96.1	266.3	2.589	2.829	0.759	504.4	417	19.62	0.097	14.4	84.7	7.6
	230.0	101.9	265.1	2.552	2.761	0.755	502.7	466	21.77	0.121	17.9	85.7	7.6
	230.0	108.8	264.3	2.506	2.679	0.753	499.6	512	23.92	0.146	21.8	86.7	7.6
	230.0	116.7	264.4	2.455	2.590	0.753	496.0	555	25.88	0.171	25.7	87.8	7.6
	230.0	125.6	265.3	2.397	2.491	0.755	490.7	594	27.79	0.197	29.9	89.0	7.6
	230.0	135.1	267.0	2.332	2.384	0.761	484.1	630	29.53	0.221	34.1	90.3	7.6
	230.0	145.4	270.1	2.274	2.272	0.769	477.7	660	31.07	0.244	38.1	91.3	7.6
	230.0	156.6	274.4	2.196	2.148	0.781	467.5	689	32.35	0.265	42.3	92.6	7.6
	230.0	168.1	279.9	2.112	2.019	0.797	455.1	714	33.17	0.282	46.2	93.7	7.6
	230.0	180.2	286.8	2.021	1.884	0.817	440.6	737	33.59	0.295	49.9	94.8	7.6
	230.0	192.0	294.6	1.929	1.750	0.839	424.6	757	33.64	0.303	53.3	95.7	7.6
	230.0	203.4	303.0	1.836	1.621	0.863	407.8	775	33.32	0.307	56.2	96.6	7.6
	230.0	214.3	312.1	1.740	1.493	0.888	388.9	790	32.44	0.305	58.5	97.2	7.5
	230.0	224.8	321.3	1.643	1.374	0.914	369.3	804	31.15	0.298	60.3	97.7	7.6
	230.0	235.4	331.1	1.542	1.258	0.942	348.9	817	29.52	0.287	61.4	98.4	7.5
	230.0	244.5	340.1	1.449	1.160	0.967	328.7	827	27.61	0.272	61.7	98.6	7.5
	230.0	253.6	350.0	1.349	1.067	0.995	306.9	838	25.22	0.252	61.2	98.9	7.5
	230.0	261.7	358.7	1.258	0.996	1.021	286.8	847	22.91	0.231	60.1	99.1	7.5
	230.0	270.0	368.1	1.151	0.937	1.048	262.0	856	19.99	0.204	58.0	99.0	7.5
	230.0	277.7	377.9	1.049	0.904	1.076	238.8	864	16.82	0.173	54.1	98.9	7.5
	230.0	284.7	387.1	0.958	0.893	1.102	217.7	872	13.57	0.141	48.3	98.8	7.5
	230.0	291.2	396.2	0.863	0.913	1.128	195.1	880	9.96	0.104	39.9	98.3	7.6
	230.0	296.7	404.6	0.774	0.951	1.152	173.6	887	6.26	0.066	28.4	97.5	7.6
	230.0	302.7	414.3	0.675	1.024	1.179	148.5	895	1.68	0.018	9.0	95.6	7.5
	230.0	304.8	417.7	0.641	1.056	1.190	139.1	898	0.00	0.000	0.0	94.3	7.6

DRAWING NO. PAGE 9 of 16
3LU95BG

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

Performance Data



Performance Data



3LU95BG

REV.
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Dayton Manufacturing Company

Motor Description

Model: K055TCE2413 3LU95BG
Motor ID: 1
Poles: 8
Volts: 208-230
Frequency: 60
HP: 1/4
Speed: 825
Phase: 1
Protector: 7AM036-A5

Test Conditions

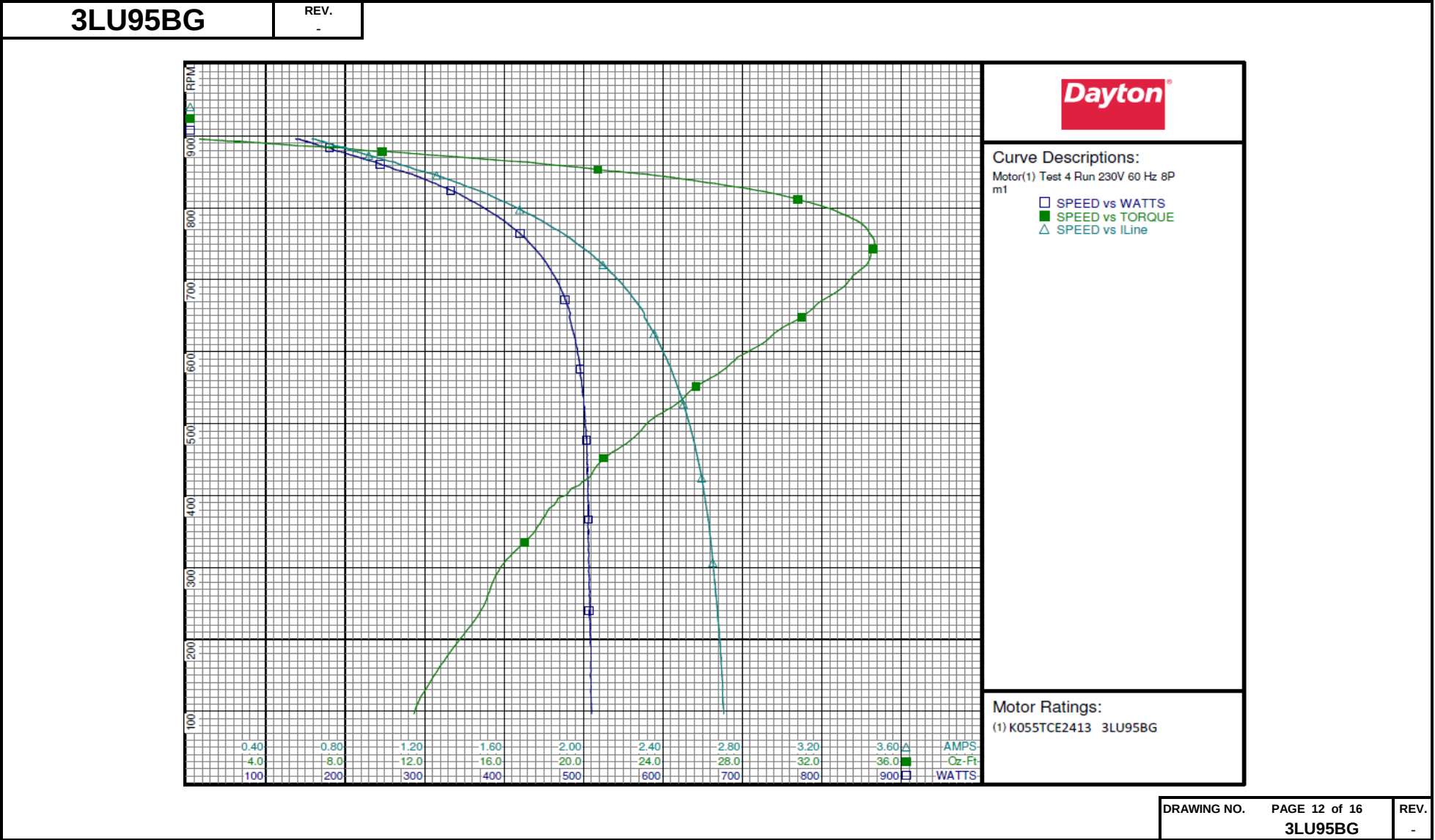
Test Type: Run Run Cap: 0
Test Number: 4 Start Cap: 7.5 μ Fd
Poles: 8 Environment: 21.5 Deg C 37 % RH 998 hPa
Volts: 230 Tested: 3/10/2016 2:30:49 PM
Hz: 60 Tested By: Sharp, Gerald
Rotation: Gear Ratio: 1:1
Special Cond: Bearing Friction: -0.16 Oz-Ft
Speed Conn: m1 Windage Torque: -0.45 Oz-Ft
TestBoard: Amtps Performance Fixture #4

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Imain (A)	Iaux (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)	Cap
	230.0	304.8	417.8	0.632	1.051	1.190	137.4	896	0.00	0.000	0.0	94.6	7.6
	230.0	302.3	413.5	0.674	1.009	1.177	148.9	893	2.10	0.022	11.2	96.0	7.6
	230.0	298.9	408.4	0.728	0.967	1.162	162.7	888	4.70	0.050	22.8	97.1	7.5
	230.0	294.6	401.5	0.801	0.925	1.143	180.6	884	7.73	0.081	33.6	98.0	7.6
	230.0	290.1	394.4	0.872	0.894	1.123	197.8	877	10.80	0.113	42.5	98.6	7.6
	230.0	283.6	385.4	0.967	0.879	1.097	220.2	869	14.44	0.149	50.6	99.0	7.5
	230.0	275.7	375.2	1.073	0.896	1.068	244.6	861	18.14	0.186	56.7	99.1	7.6
	230.0	266.6	364.0	1.198	0.942	1.036	273.1	851	21.78	0.221	60.2	99.1	7.5
	230.0	255.7	351.4	1.329	1.034	1.000	302.5	839	25.39	0.254	62.5	99.0	7.5
25.45 OZ-FT	230.0	255.4	351.2	1.331	1.037	0.999	303.0	838	25.45	0.254	62.5	99.0	7.5
	230.0	243.2	338.2	1.467	1.160	0.962	333.0	824	28.70	0.282	63.1	98.7	7.5
	230.0	229.2	324.4	1.608	1.318	0.923	363.0	807	31.37	0.302	62.0	98.1	7.5
	230.0	214.1	310.9	1.751	1.494	0.886	392.1	788	33.34	0.313	59.5	97.4	7.6
	230.0	197.3	297.5	1.897	1.691	0.849	420.1	764	34.42	0.313	55.6	96.3	7.6
BDT OZ-FT	230.0	186.6	290.0	1.985	1.816	0.827	435.8	747	34.66	0.308	52.7	95.4	7.6
	230.0	180.3	286.1	2.034	1.887	0.816	443.7	737	34.46	0.302	50.8	94.9	7.6
	230.0	164.3	277.2	2.154	2.070	0.791	462.7	706	33.57	0.282	45.5	93.4	7.6
	230.0	150.2	271.0	2.255	2.229	0.774	476.8	673	32.12	0.257	40.2	91.9	7.6
	230.0	138.4	267.3	2.324	2.361	0.763	484.2	639	30.44	0.232	35.7	90.6	7.6
	230.0	128.7	265.2	2.389	2.469	0.757	491.0	607	28.77	0.208	31.6	89.4	7.6
	230.0	120.8	264.3	2.441	2.557	0.754	495.8	576	27.13	0.186	28.0	88.3	7.6
	230.0	114.1	264.0	2.483	2.632	0.753	498.5	544	25.34	0.164	24.6	87.3	7.6
	230.0	108.3	264.2	2.521	2.698	0.754	501.9	511	23.70	0.144	21.4	86.6	7.6
	230.0	103.1	264.7	2.554	2.758	0.755	503.8	477	22.37	0.127	18.8	85.8	7.6
	230.0	98.7	265.6	2.582	2.810	0.758	504.7	443	20.71	0.109	16.1	85.0	7.6
	230.0	94.6	266.5	2.606	2.857	0.760	505.5	405	19.26	0.093	13.7	84.3	7.6
	230.0	90.9	267.8	2.628	2.901	0.764	506.5	367	17.91	0.078	11.5	83.8	7.6
	230.0	87.7	269.4	2.645	2.937	0.768	506.0	325	16.63	0.064	9.5	83.2	7.6
	230.0	85.3	271.1	2.659	2.969	0.774	507.4	283	15.48	0.052	7.7	83.0	7.6
	230.0	83.2	273.1	2.674	2.999	0.779	507.5	240	14.84	0.042	6.2	82.5	7.6
	230.0	81.6	275.2	2.689	3.028	0.785	509.1	190	13.50	0.031	4.5	82.3	7.6
	230.0	80.3	277.1	2.699	3.051	0.790	509.5	143	12.32	0.021	3.1	82.1	7.6

DRAWING NO. PAGE 11 of 16 REV.
3LU95BG -

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

Performance Data



Performance Data



3LU95BG

REV.
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Dayton Manufacturing Company

Motor Description

Model: K055TCE2413 3LU95BG
Motor ID: 1
Poles: 8
Volts: 208-230
Frequency: 60
HP: 1/4
Speed: 825
Phase: 1
Protector: 7AM036-A5

Test Conditions

Test Type: Start Run Cap: 0
Test Number: 29 Start Cap: 7.5 μ Fd
Poles: 8 Environment: 21.6 Deg C 37 % RH 998 hPa
Volts: 230 Tested: 3/10/2016 3:38:24 PM
Hz: 60 Tested By: Sharp, Gerald
Rotation: Gear Ratio: 1:1
Special Cond: Bearing Friction: -0.08 Oz-Ft
Speed Conn: m2 Windage Torque: -0.33 Oz-Ft
TestBoard: Amps Performance Fixture #4

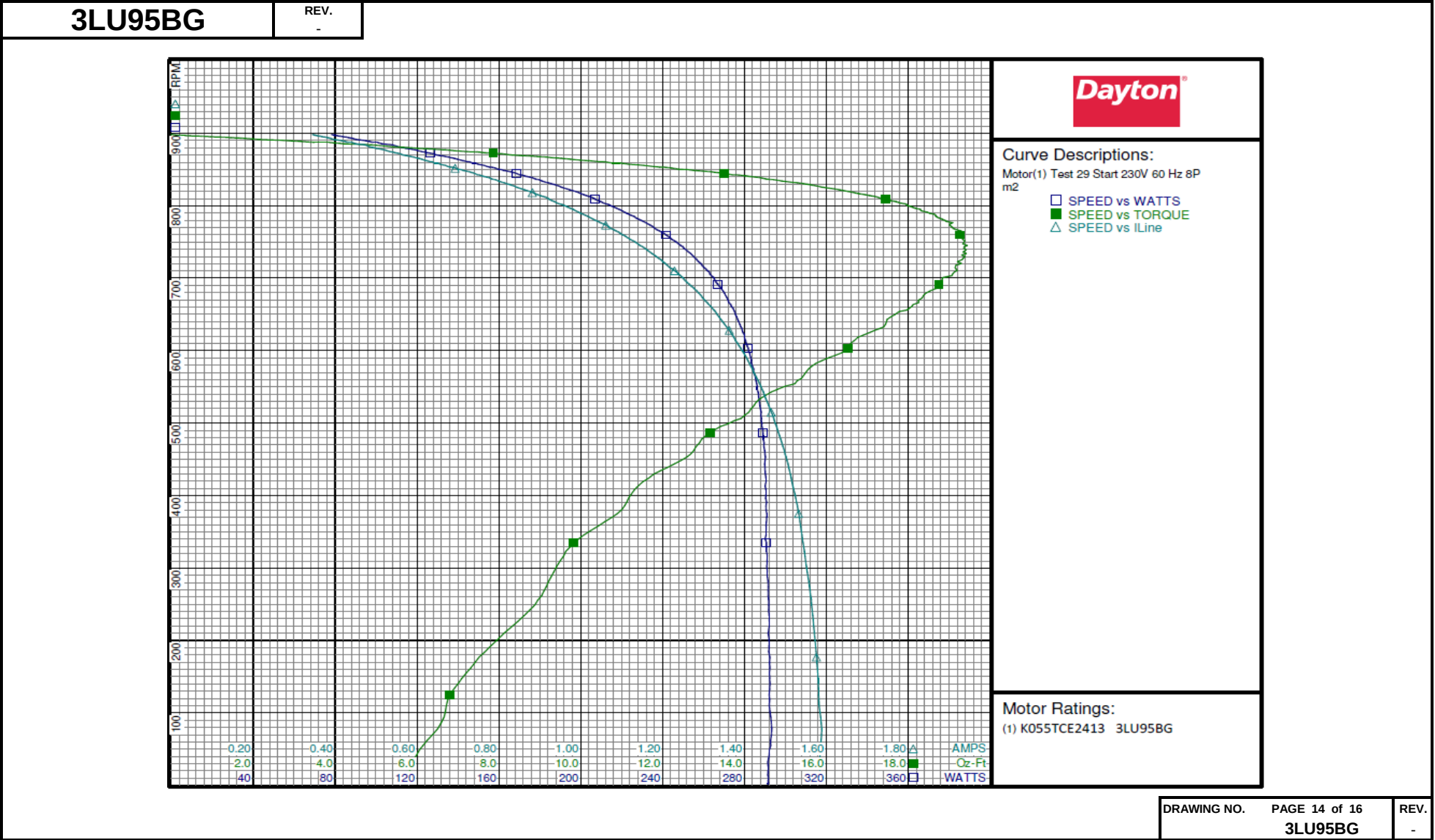
Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Imain (A)	Iaux (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)	Cap
	230.0	51.3	207.3	1.585	1.909	0.591	291.6	2	5.823	0.000	0.0	80.0	7.6
PUT OZ-FT	230.0	51.5	207.2	1.585	1.908	0.591	291.5	6	5.765	0.000	0.1	80.0	7.6
	230.0	51.5	207.2	1.585	1.908	0.591	291.5	6	5.765	0.000	0.1	80.0	7.6
	230.0	54.1	205.5	1.587	1.901	0.586	292.8	62	6.253	0.005	1.2	80.2	7.6
	230.0	59.1	202.6	1.580	1.878	0.578	292.4	140	7.003	0.012	3.0	80.5	7.6
	230.0	64.2	199.9	1.569	1.849	0.570	291.9	218	8.297	0.022	5.5	80.9	7.6
	230.0	69.5	197.1	1.555	1.816	0.562	291.2	287	9.272	0.032	8.1	81.4	7.6
	230.0	75.5	194.7	1.539	1.778	0.555	290.5	352	10.255	0.043	11.0	82.1	7.6
	230.0	81.6	192.7	1.521	1.736	0.549	290.5	408	11.307	0.055	14.1	83.1	7.6
	230.0	87.9	191.2	1.499	1.690	0.545	290.0	457	12.680	0.069	17.7	84.1	7.6
	230.0	93.9	190.2	1.473	1.639	0.542	288.2	503	13.746	0.082	21.3	85.1	7.6
	230.0	100.9	189.6	1.443	1.580	0.540	286.2	546	14.814	0.096	25.1	86.2	7.6
	230.0	108.6	189.7	1.408	1.515	0.541	283.4	586	15.905	0.111	29.2	87.5	7.6
	230.0	116.3	190.5	1.371	1.446	0.543	280.0	621	16.897	0.125	33.3	88.8	7.6
	230.0	124.1	192.3	1.329	1.372	0.548	275.2	654	17.776	0.138	37.5	90.0	7.6
	230.0	132.5	195.3	1.283	1.294	0.556	269.5	682	18.532	0.151	41.7	91.3	7.6
	230.0	141.0	199.2	1.234	1.211	0.567	262.8	708	19.124	0.161	45.8	92.6	7.6
	230.0	149.8	204.3	1.180	1.124	0.582	254.4	732	19.310	0.168	49.3	93.8	7.6
	230.0	158.6	210.5	1.120	1.035	0.599	244.5	753	19.332	0.173	52.9	94.9	7.6
	230.0	166.9	217.4	1.061	0.949	0.619	233.8	773	19.006	0.175	55.8	95.8	7.6
	230.0	175.2	225.0	1.000	0.871	0.640	222.5	789	18.530	0.174	58.4	96.8	7.5
	230.0	183.1	233.2	0.936	0.792	0.664	209.8	805	17.697	0.170	60.3	97.4	7.6
	230.0	190.9	241.8	0.876	0.722	0.689	197.5	820	16.535	0.161	60.9	98.0	7.6
	230.0	197.6	250.2	0.813	0.665	0.712	184.1	832	15.298	0.151	61.4	98.4	7.6
	230.0	204.6	259.0	0.747	0.619	0.738	170.1	842	13.698	0.137	60.2	99.0	7.6
	230.0	210.8	267.9	0.681	0.590	0.763	155.4	853	11.932	0.121	58.2	99.2	7.6
	230.0	216.4	276.4	0.618	0.582	0.788	141.3	863	9.982	0.103	54.1	99.4	7.6
	230.0	221.9	285.2	0.553	0.588	0.813	126.6	872	7.865	0.082	48.1	99.6	7.6
	230.0	227.1	293.6	0.491	0.612	0.837	112.4	880	5.676	0.059	39.5	99.6	7.6
	230.0	232.6	304.0	0.410	0.663	0.867	93.6	890	2.677	0.028	22.6	99.2	7.6
	230.0	236.4	311.3	0.357	0.707	0.887	81.3	896	0.462	0.005	4.5	98.8	7.6
	230.0	237.1	312.6	0.345	0.720	0.893	78.2	898	0.000	0.000	0.0	98.6	7.6

DRAWING NO. PAGE 13 of 16
3LU95BG

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

Performance Data



Performance Data



3LU95BG

REV.
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Dayton Manufacturing Company

Motor Description

Model: K055TCE2413 3LU95BG
Motor ID: 1
Poles: 8
Volts: 208-230
Frequency: 60
HP: 1/4
Speed: 825
Phase: 1
Protector: 7AM036-A5

Test Conditions

Test Type: Run
Test Number: 21
Poles: 8
Volts: 230
Hz: 60
Rotation:
Special Cond:
Speed Conn: m2
TestBoard: Amtps Performance Fixture #4
Run Cap: 0
Start Cap: 7.5 µFd
Environment: 21.6 Deg C 37 % RH 998 hPa
Tested: 3/10/2016 3:26:57 PM
Tested By: Sharp, Gerald
Gear Ratio: 1:1
Bearing Friction: -0.07 Oz-Ft
Windage Torque: -0.32 Oz-Ft

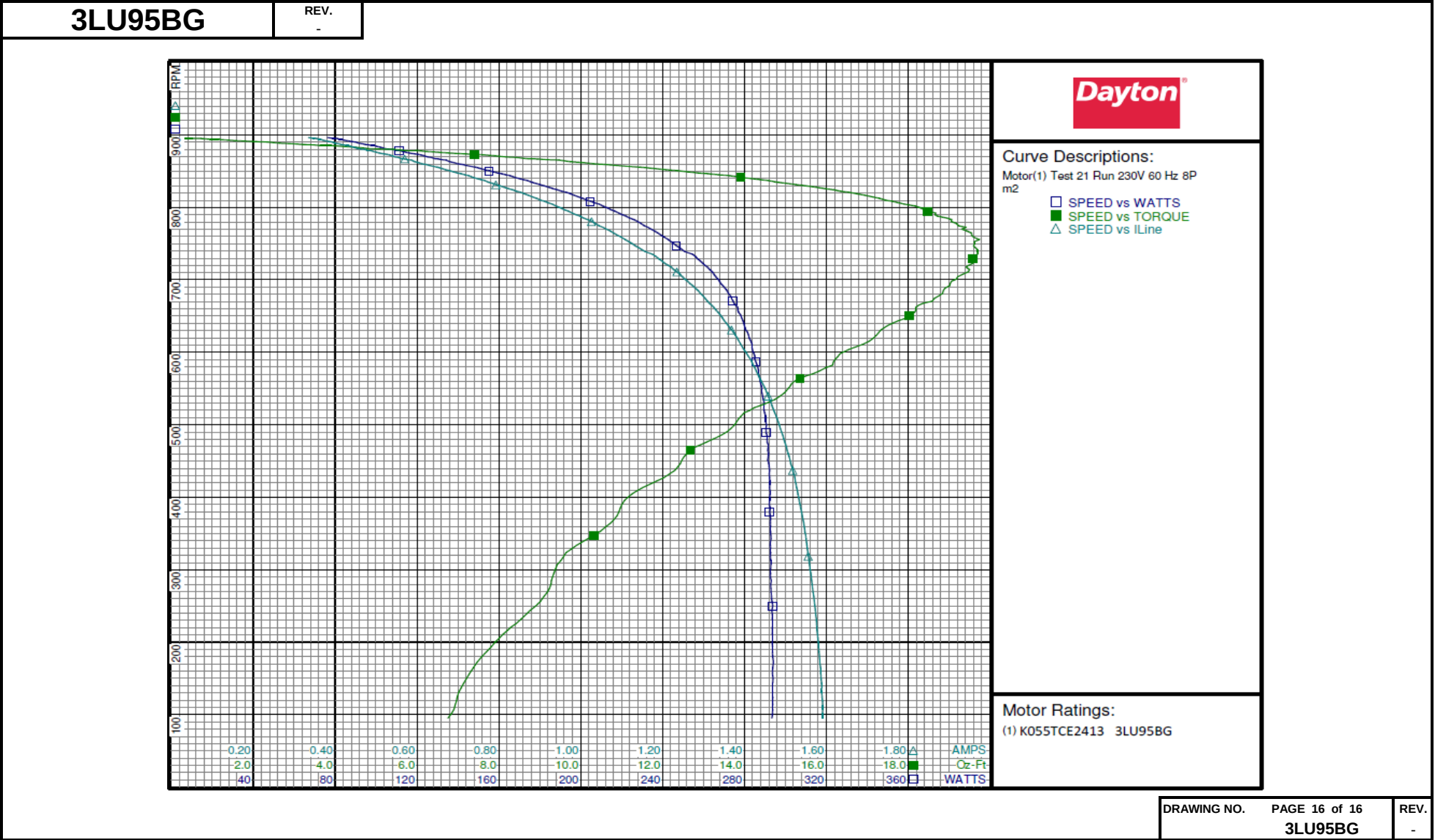
Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Imain (A)	Iaux (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)	Cap
	230.0	237.7	313.3	0.335	0.718	0.894	76.3	896	0.000	0.000	0.0	99.1	7.6
	230.0	235.3	308.3	0.375	0.680	0.879	85.8	892	1.587	0.017	14.7	99.4	7.6
	230.0	231.6	301.4	0.427	0.638	0.859	97.6	885	3.626	0.038	29.2	99.4	7.6
	230.0	227.1	293.1	0.487	0.601	0.835	111.3	878	5.959	0.062	41.7	99.5	7.6
	230.0	222.9	285.9	0.539	0.580	0.815	123.5	871	7.891	0.082	49.4	99.5	7.6
	230.0	217.8	277.3	0.603	0.568	0.791	138.0	862	10.047	0.103	55.7	99.5	7.6
	230.0	211.0	266.9	0.680	0.579	0.761	155.3	851	12.369	0.125	60.2	99.3	7.6
	230.0	203.6	256.7	0.756	0.615	0.732	171.9	838	14.385	0.144	62.3	98.8	7.6
	230.0	195.6	246.2	0.834	0.675	0.702	188.6	824	16.179	0.159	62.8	98.4	7.6
	230.0	186.8	235.9	0.911	0.754	0.673	204.8	808	17.603	0.169	61.7	97.8	7.6
	230.0	177.4	225.8	0.988	0.847	0.644	220.3	790	18.659	0.175	59.4	96.9	7.6
	230.0	167.6	216.5	1.063	0.947	0.618	234.4	770	19.305	0.177	56.3	95.9	7.6
BDT OZ-FT	230.0	161.2	211.1	1.109	1.013	0.603	242.8	755	19.735	0.177	54.5	95.2	7.6
	230.0	157.5	208.3	1.134	1.051	0.595	246.9	747	19.597	0.174	52.7	94.7	7.6
	230.0	148.0	201.9	1.206	1.148	0.576	259.7	722	19.576	0.168	48.4	93.6	7.6
	230.0	138.8	196.9	1.261	1.239	0.562	267.8	698	19.056	0.158	44.1	92.3	7.6
	230.0	130.3	193.2	1.309	1.321	0.552	274.4	670	18.590	0.148	40.3	91.1	7.6
	230.0	122.6	190.8	1.351	1.393	0.545	279.2	643	17.754	0.136	36.3	89.9	7.6
	230.0	115.7	189.4	1.387	1.457	0.541	283.1	615	17.052	0.125	32.9	88.8	7.6
	230.0	109.0	188.8	1.418	1.515	0.539	285.5	587	16.173	0.113	29.5	87.6	7.6
	230.0	103.3	188.6	1.444	1.565	0.539	287.9	557	15.156	0.100	26.0	86.7	7.6
	230.0	97.6	188.9	1.469	1.613	0.539	289.4	523	14.235	0.089	22.9	85.7	7.6
	230.0	92.4	189.4	1.491	1.655	0.541	290.6	490	13.562	0.079	20.3	84.7	7.6
	230.0	87.6	190.4	1.509	1.692	0.544	291.7	456	12.531	0.068	17.4	84.1	7.6
	230.0	83.0	191.4	1.526	1.728	0.546	292.3	417	11.677	0.058	14.8	83.3	7.6
	230.0	78.6	192.7	1.539	1.758	0.550	292.3	380	10.932	0.049	12.6	82.6	7.6
	230.0	74.4	194.1	1.551	1.786	0.554	292.7	338	10.027	0.040	10.3	82.0	7.6
	230.0	70.3	195.8	1.562	1.811	0.559	292.7	295	9.346	0.033	8.4	81.5	7.6
	230.0	67.0	197.7	1.572	1.834	0.564	293.8	250	8.898	0.026	6.7	81.2	7.6
	230.0	63.7	199.4	1.579	1.853	0.569	293.5	205	8.010	0.020	5.0	80.8	7.6
	230.0	60.1	201.3	1.587	1.873	0.574	294.0	149	7.205	0.013	3.3	80.5	7.6
	230.0	57.2	202.9	1.591	1.887	0.579	293.7	101	6.844	0.008	2.1	80.3	7.6

DRAWING NO. PAGE 15 of 16
3LU95BG

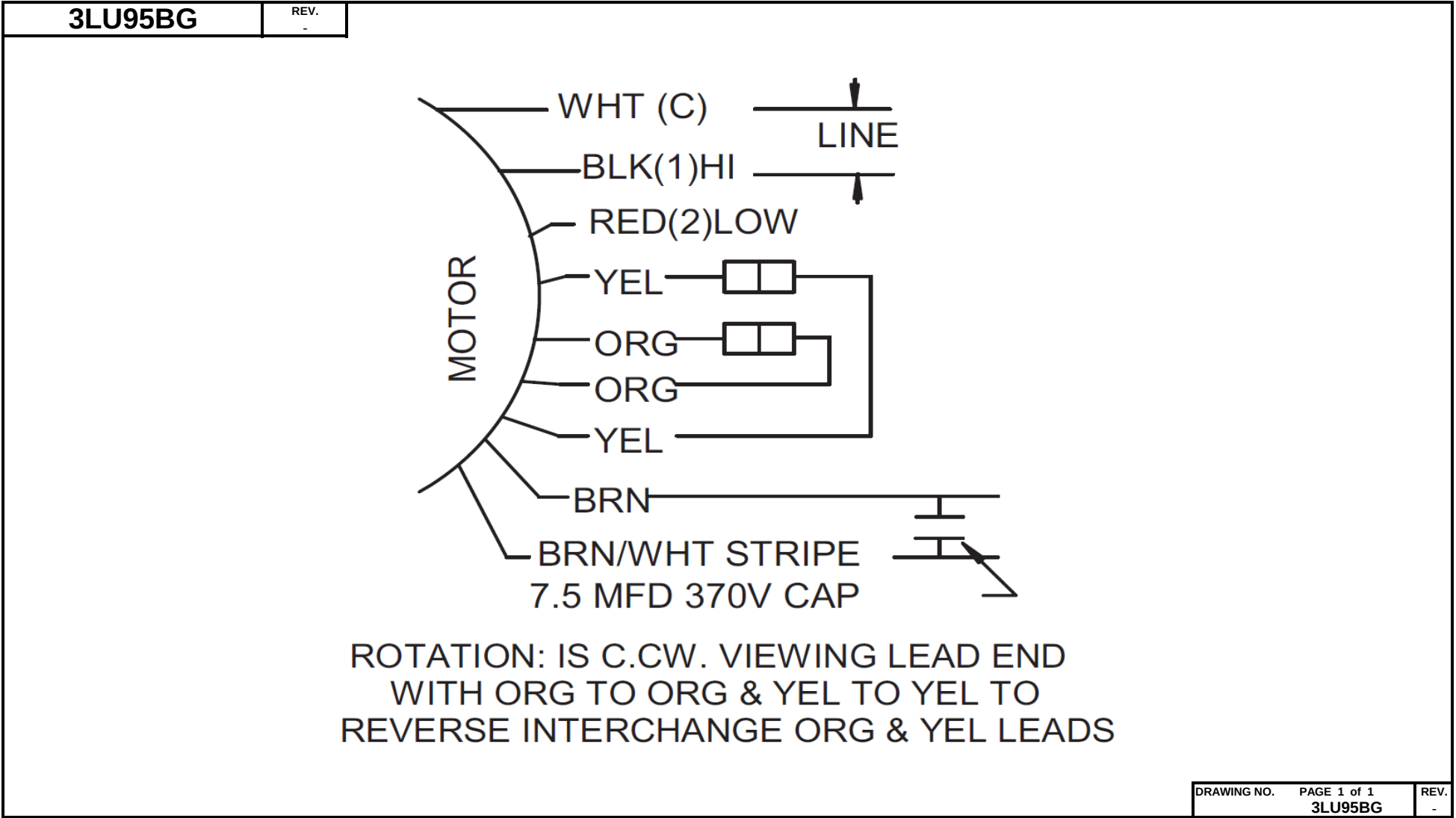
REV.
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Dayton Electric Mfg. Co. Lake Forest, IL 60045 USA

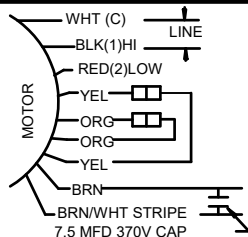
Performance Data



Wiring Diagram



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

Dayton[®]**CONDENSER FAN MOTOR****HP:** 1/4**VOLTS:** 208-230**AMPS:** 1.4-1.3**RPM:** 825/2 SPD**DUTY:** CONT**SF:** 1.0**KVA CODE:****ENCL:** TEAO**THERMALLY PROTECTED:** AUTOMFG. NO. PROT. CODE: 7A010**MTR REF:** K55HXTCE-2413**PH:** 1**HZ:** 60**FR:** 48YZ**INS CL:** B**AMB:** 60 °C**SFA:** 1.4-1.3AVG. F.L.
EFF.Part
No **3LU95BG****Disconnect Power Before Making Any
Electrical Connections or Changes****ROTATION:** IS C.W. VIEWING LEAD END
WITH ORG TO ORG & YEL TO YEL TO
REVERSE INTERCHANGE ORG & YEL LEADS**Mfd for Dayton Electric Mfg. Co., Lake Forest, IL 60045 USA****Made in Mexico**