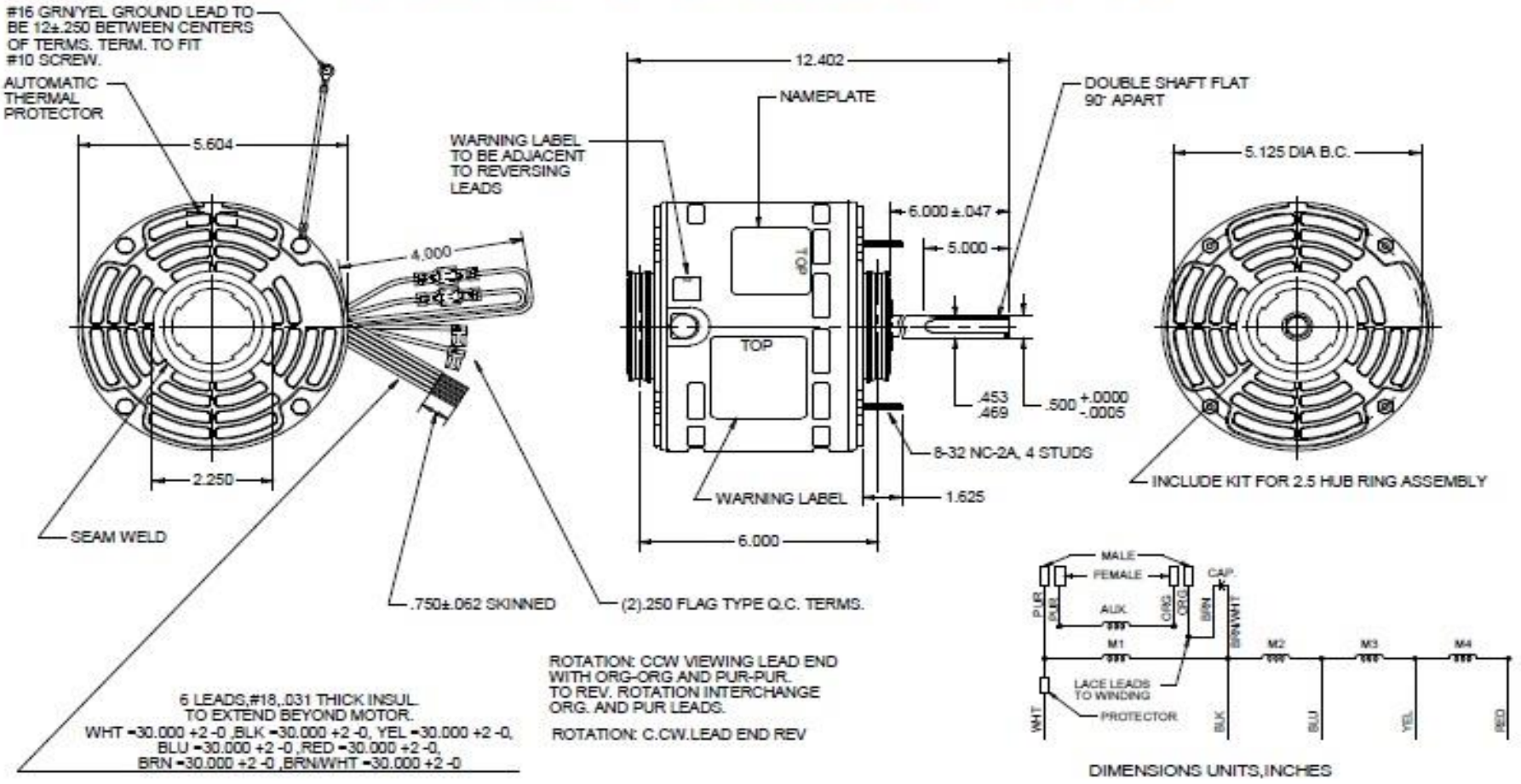
Dimensional Drawing

3LU84BH	REV. -

MODEL	REF	CUSTOMER	HP	VOLTS	AMPS	HZ	RPM	ROTATION	CUSTOMER P/N	DESCRIPTION / REMARKS
K55HXKDF-2247		DAYTON	1/2	208-230	3.3-3.1	60	1075	C.CW. LEAD END REV	3LU84BH	SAB



DRAWING NO.	PAGE 1 of 1	REV.
3LU84BH		-

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

Performance Data

Dayton®

3LU84BH	REV. -

SHADED-POLE & PSC MOTOR PERFORMANCE

HP:	1/2							
Poles:	6							
Ambient (ºC):	40							
Altitude (FASL):	1000							
No. of Speeds:	4							
HIGH SPEED								
Volts:	208~230	**115**	**208**	**230**	**277**	**460**	**100**	**200**
HZ:	60	**60**	**60**	**60**	**60**	**60**	**50**	**50**
Service Factor:	1.0							
Efficiency:	@ Rated Load		62.8	63.1				
Power Factor:	@ Rated Load		83.2	82.8				
Amps:	@ No Load			2				
	@ Rated Load		3.3	3.7				
	@ Locked Rotor			8.4				
RPM:	@ Rated Load		1075	1075				
Torques:	Breakdown		46.6	58.2				
Oz.Ft.	Locked Rotor			9.3				
	Pull-Up							
	Rated Load		37.5	46.6				
	Service Factor		1.0	1.0				
Watts:	Rated Load		571	705				
Temperature Rise:	@ Rated Load							
Thermal Protector:	Trip Temp (ºC)		140~150	140~150				
Winding Material:	Start (Auxiliary)		Copper	Copper				
	Run (Main)		Copper	Copper				
Capacitor:	Run (MFD / Volts)	7.5 MFD 370V						
	No. of Run Capacitors	1						
MEDIUM-HIGH SPEED								
HP:	1/2							
Volts:	208~230	**115**	**208**	**230**	**277**	**460**	**100**	**200**
HZ:	60	**60**	**60**	**60**	**60**	**60**	**50**	**50**
Efficiency:	@ Rated Load							
Power Factor:	@ Rated Load							
Amps:	@ No Load			1.2				
	@ Rated Load							
	@ Locked Rotor							
Torques:	Breakdown		33.6	42.3				
Oz.Ft.	Locked Rotor							
	Pull-Up							
	Rated Load							
Watts:	Rated Load							
Temperature Rise:	@ Rated Load							

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

Performance Data

3LU84BH	REV. -

SHADED-POLE & PSC MOTOR PERFORMANCE

MEDIUM-LOW SPEED

HP:	1/2							
Volts:	208~230	**115**	**208**	**230**	**277**	**460**	**100**	**200**
HZ:	60	**60**	**60**	**60**	**60**	**60**	**50**	**50**
Efficiency:	@ Rated Load							
Power Factor:	@ Rated Load							
Amps:	@ No Load			0.9				
	@ Rated Load							
Torques:	Breakdown		24.9	31.5				
Oz.Ft.	Locked Rotor							
	Pull-Up							
	Rated Load							
Watts:	Rated Load							
Temperature Rise:	@ Rated Load							
Watts:	Rated Load							
Temperature Rise:	@ Rated Load							
Thermal Protector:	Trip Temp (ºC)		140~150	140~150				
Winding Material:	Start (Auxiliary)	Copper						
	Run (Main)	Copper						

LOW SPEED

HP:	1/2							
Volts:	208~230	**120**	**208**	**230**	**277**	**460**	**100**	**200**
HZ:	60	**60**	**60**	**60**	**60**	**60**	**50**	**50**
Efficiency:	@ Rated Load							
Power Factor:	@ Rated Load							
Amps:	@ No Load			0.7				
	@ Rated Load							
Torques:	Breakdown		19.1	24.4				
Oz.Ft.	Locked Rotor							
	Pull-Up							
	Rated Load							
Watts:	Rated Load							
Temperature Rise:	@ Rated Load							

Notes:

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

Performance Data

3LU84BH	REV. -

Dayton Manufacturing Company

Motor Description

Model:	3LU84BH
Motor ID:	
Poles:	6
Volts:	230/208
Frequency:	60
HP:	.5
Speed:	1050
Phase:	1
Protector:	

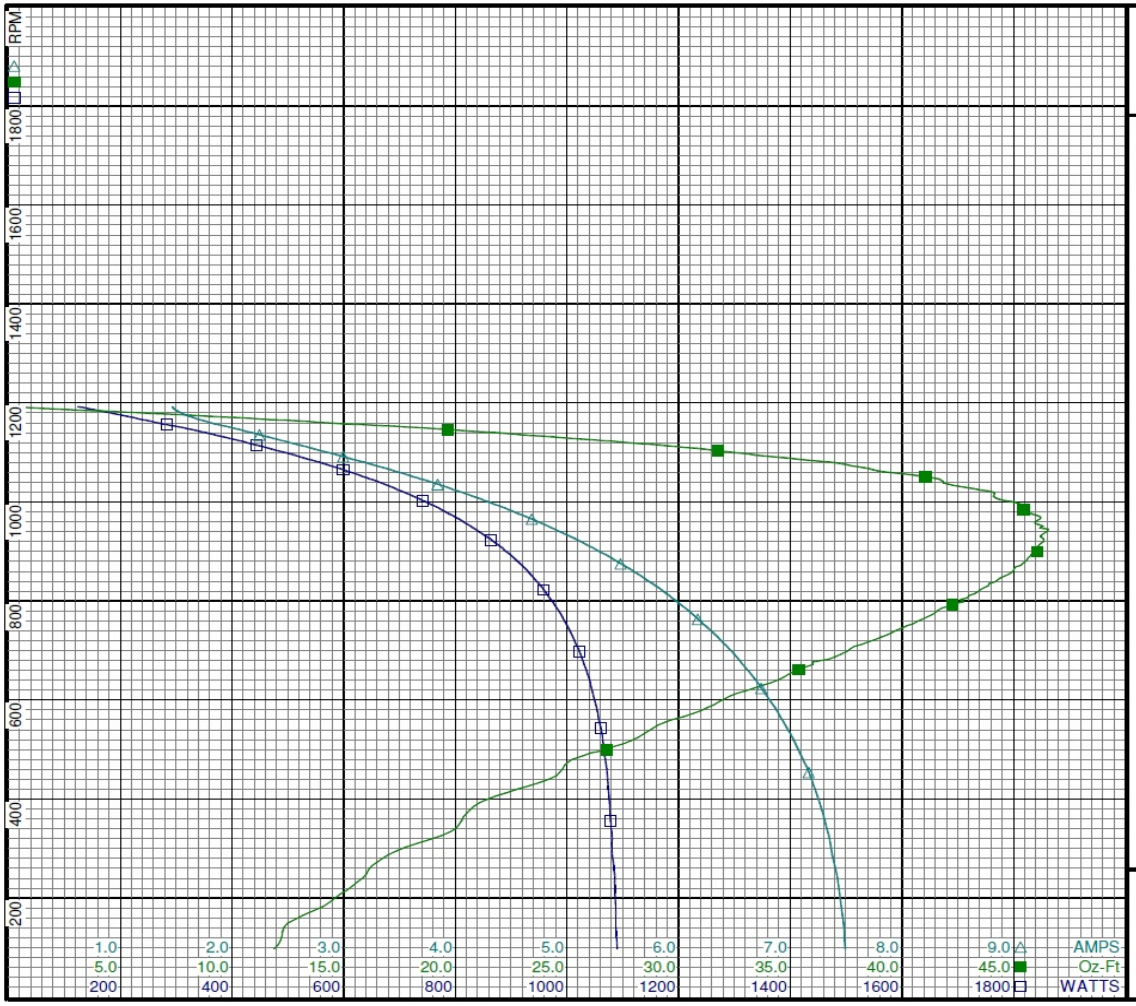
Test Conditions

Test Type:	Run	Run Cap:	7.5
Test Number:	2	Start Cap:	0µfd
Poles:	6	Environment:	
Volts:	208	Tested:	8/19/2002 9:31:16 AM
Hz:	60	Tested By:	Mitchell (Mitch), L.
Rotation:		Gear Ratio:	1:1
Special Cond:	M1 (HIGH SPD)	Bearing Friction:	-1.09 Oz-Ft
Speed Conn:		Windage Torque:	-2.49 Oz-Ft
TestBoard:	Amtps Performance Fixture #2		

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	258.5	360.8	1.467	2.056	1.051	123.3	1193	0.00	0.000	0.0	40.4	7.7
	208.0	254.1	352.8	1.529	1.967	1.031	175.2	1181	5.25	0.074	31.4	55.1	7.8
	208.0	248.7	343.4	1.653	1.966	1.001	223.3	1170	10.16	0.142	47.3	65.0	7.7
	208.0	243.3	333.7	1.849	2.045	0.968	276.4	1157	15.15	0.209	56.3	71.9	7.7
	208.0	237.9	325.1	2.091	2.185	0.940	333.7	1145	20.09	0.274	61.2	76.7	7.7
	208.0	232.0	317.4	2.316	2.345	0.919	384.0	1132	24.29	0.327	63.6	79.7	7.7
	208.0	225.5	309.5	2.552	2.530	0.898	433.3	1118	28.32	0.377	64.9	81.6	7.7
	208.0	218.6	301.5	2.799	2.745	0.879	483.1	1103	31.76	0.417	64.4	83.0	7.7
	208.0	211.5	293.7	3.052	2.980	0.861	531.5	1088	35.02	0.453	63.6	83.7	7.8
1075 RPM	**208.0**	**205.6**	**287.4**	**3.262**	**3.182**	**0.848**	**570.7**	**1075**	**37.54**	**0.480**	**62.8**	**84.1**	**7.8**
	208.0	203.7	285.4	3.327	3.247	0.843	582.4	1071	38.05	0.485	62.1	84.2	7.8
0.5 HP	**208.0**	**198.1**	**279.9**	**3.517**	**3.436**	**0.831**	**616.8**	**1058**	**39.68**	**0.500**	**60.5**	**84.3**	**7.9**
	208.0	195.9	277.6	3.597	3.518	0.825	630.7	1053	40.73	0.510	60.4	84.3	7.9
	208.0	187.6	269.6	3.872	3.800	0.806	677.7	1033	42.26	0.520	57.2	84.1	7.9
	208.0	179.2	262.3	4.145	4.087	0.788	722.8	1012	44.08	0.531	54.8	83.8	8.0
	208.0	170.7	255.2	4.417	4.378	0.770	766.0	990	45.54	0.537	52.3	83.4	8.0
	208.0	162.1	248.7	4.686	4.669	0.755	806.0	966	46.18	0.531	49.1	82.7	8.1
BDT OZ-FT	**208.0**	**155.5**	**243.9**	**4.891**	**4.894**	**0.743**	**835.9**	**944**	**46.56**	**0.523**	**46.7**	**82.2**	**8.1**
	208.0	153.7	242.6	4.950	4.959	0.740	844.4	939	46.42	0.519	45.8	82.0	8.1
	208.0	145.2	237.3	5.202	5.249	0.726	879.8	910	46.07	0.499	42.3	81.3	8.1
	208.0	136.6	232.5	5.454	5.528	0.712	912.1	879	45.51	0.476	39.0	80.4	8.1
	208.0	128.3	228.5	5.688	5.787	0.701	940.1	846	44.40	0.447	35.5	79.5	8.1
	208.0	120.2	225.3	5.914	6.041	0.691	965.7	811	43.01	0.415	32.1	78.5	8.1
	208.0	112.3	222.8	6.129	6.283	0.683	989.1	772	41.35	0.380	28.7	77.6	8.1
	208.0	104.6	221.0	6.330	6.510	0.676	1008.7	731	39.33	0.342	25.3	76.6	8.1
	208.0	97.2	219.7	6.517	6.723	0.671	1026.1	687	37.01	0.303	22.0	75.7	8.1
	208.0	90.1	219.1	6.689	6.919	0.667	1040.3	640	34.47	0.263	18.8	74.8	8.1
	208.0	83.0	218.8	6.843	7.100	0.663	1051.3	590	31.59	0.222	15.7	73.9	8.0
	208.0	76.4	219.2	6.987	7.267	0.663	1061.7	537	28.64	0.183	12.9	73.1	8.0
	208.0	69.8	219.8	7.112	7.418	0.660	1068.9	480	25.25	0.144	10.1	72.3	8.0
	208.0	63.2	220.9	7.221	7.548	0.656	1073.7	419	22.76	0.114	7.9	71.5	7.9
	208.0	57.8	222.9	7.309	7.658	0.658	1078.2	356	20.28	0.086	5.9	70.9	7.8
	208.0	54.0	224.7	7.375	7.739	0.663	1080.9	287	17.01	0.058	4.0	70.5	7.8
	208.0	50.6	228.1	7.437	7.818	0.670	1085.9	216	15.16	0.039	2.7	70.2	7.8
	208.0	48.4	230.8	7.479	7.877	0.680	1087.5	140	12.32	0.020	1.4	69.9	7.8

Performance Data

3LU84BH	REV. -



Curve Descriptions:

Motor(1) Test 2 Run 208V 60 Hz 6P
M1 (HIGH SPD) 7.5ufd Run

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

Motor Ratings:

(1) 3LU84BH

DRAWING NO.	PAGE 2 of 16	REV.
3LU84BH		-

Performance Data

3LU84BH	REV. -

Dayton Manufacturing Company

Motor Description

Model:	3LU84BH
Motor ID:	
Poles:	6
Volts:	230/208
Frequency:	60
HP:	.5
Speed:	1050
Phase:	1
Protector:	

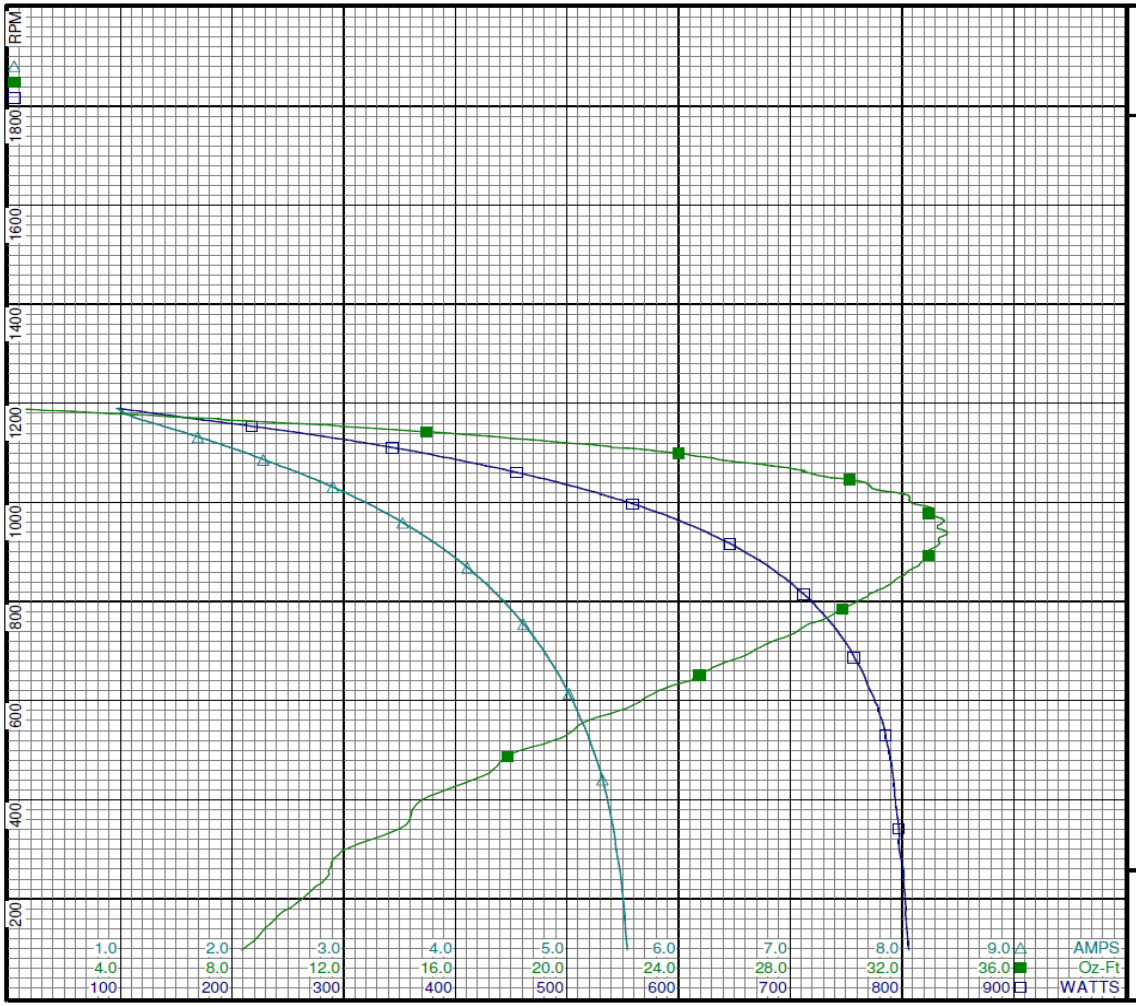
Test Conditions

Test Type:	Run	Run Cap:	7.5
Test Number:	3	Start Cap:	0µfd
Poles:	6	Environment:	
Volts:	208	Tested:	8/19/2002 10:46:57 AM
Hz:	60	Tested By:	Mitchell (Mitch), L.
Rotation:		Gear Ratio:	1:1
Special Cond:	M2 (MED HI)	Bearing Friction:	-0.89 Oz-Ft
Speed Conn:		Windage Torque:	-2.78 Oz-Ft
TestBoard:	Amtps Performance Fixture #2		

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	221.0	314.0	0.977	1.483	0.925	96.7	1190	0.00	0.000	0.0	47.6	7.8
	208.0	215.9	304.1	1.054	1.427	0.897	135.2	1178	3.99	0.056	30.9	61.7	7.8
	208.0	210.8	292.8	1.190	1.450	0.857	173.5	1166	7.81	0.108	46.6	70.1	7.8
	208.0	207.5	284.2	1.363	1.525	0.825	212.5	1155	11.59	0.159	56.0	75.0	7.7
	208.0	202.9	275.6	1.573	1.644	0.799	258.5	1141	15.43	0.210	60.5	79.0	7.7
	208.0	197.7	267.8	1.758	1.774	0.778	298.0	1128	18.33	0.246	61.6	81.5	7.7
	208.0	192.3	260.5	1.940	1.921	0.760	334.9	1114	21.34	0.283	63.0	83.0	7.7
	208.0	186.3	252.9	2.136	2.094	0.742	372.6	1099	23.99	0.314	62.9	83.9	7.8
	208.0	180.2	245.6	2.321	2.267	0.723	407.4	1083	25.85	0.333	61.1	84.4	7.8
1075 RPM	**208.0**	**177.0**	**241.9**	**2.415**	**2.361**	**0.714**	**425.0**	**1075**	**27.18**	**0.348**	**61.0**	**84.6**	**7.8**
	208.0	173.8	238.3	2.521	2.465	0.706	443.8	1067	28.19	0.358	60.2	84.6	7.9
	208.0	167.4	231.1	2.725	2.669	0.689	478.3	1048	29.80	0.372	58.0	84.4	7.9
	208.0	160.6	224.2	2.928	2.883	0.672	512.2	1028	30.93	0.379	55.2	84.1	7.9
	208.0	153.9	217.6	3.128	3.097	0.656	544.5	1007	32.27	0.387	53.0	83.7	8.0
	208.0	146.9	211.5	3.328	3.314	0.642	575.1	984	33.08	0.388	50.3	83.1	8.0
	208.0	139.6	205.8	3.530	3.535	0.628	604.7	959	33.43	0.382	47.1	82.4	8.1
BDT OZ-FT	**208.0**	**134.1**	**201.7**	**3.682**	**3.702**	**0.617**	**626.5**	**938**	**33.63**	**0.376**	**44.7**	**81.8**	**8.1**
	208.0	132.5	200.6	3.723	3.749	0.614	632.0	932	33.46	0.371	43.8	81.6	8.1
	208.0	125.2	196.0	3.911	3.960	0.602	656.9	903	32.96	0.354	40.2	80.7	8.1
	208.0	118.2	192.2	4.092	4.163	0.592	680.0	872	32.60	0.338	37.1	79.9	8.2
	208.0	111.0	189.0	4.262	4.357	0.582	700.1	838	31.65	0.316	33.7	79.0	8.2
	208.0	103.9	186.4	4.427	4.546	0.574	718.4	802	30.46	0.291	30.2	78.0	8.2
	208.0	96.9	184.6	4.580	4.724	0.568	734.2	763	29.14	0.265	26.9	77.1	8.2
	208.0	90.2	183.6	4.723	4.892	0.563	748.0	722	27.44	0.236	23.5	76.1	8.1
	208.0	83.7	183.0	4.856	5.049	0.560	759.7	677	25.66	0.207	20.3	75.2	8.1
	208.0	77.2	182.9	4.979	5.197	0.559	769.4	630	23.76	0.178	17.3	74.3	8.1
	208.0	71.0	183.3	5.092	5.332	0.559	778.8	578	21.81	0.150	14.4	73.5	8.1
	208.0	64.8	183.8	5.195	5.456	0.557	785.4	524	19.80	0.124	11.7	72.7	8.0
	208.0	58.9	184.7	5.284	5.564	0.556	790.8	467	17.49	0.097	9.2	71.9	8.0
	208.0	52.5	186.1	5.355	5.653	0.555	793.5	406	15.04	0.073	6.8	71.2	7.9
	208.0	46.5	188.5	5.415	5.730	0.557	797.1	341	14.01	0.057	5.3	70.8	7.8
	208.0	42.0	190.7	5.462	5.792	0.563	799.9	272	11.56	0.037	3.5	70.4	7.8
	208.0	37.3	193.4	5.502	5.846	0.569	802.9	199	10.52	0.025	2.3	70.2	7.8
	208.0	34.0	196.0	5.529	5.887	0.580	804.9	123	8.93	0.013	1.2	70.0	7.8

Performance Data

3LU84BH	REV. -



Dayton

Curve Descriptions:

Motor(1) Test 3 Run 208V 60 Hz 6P
M2 (MED HI) 7.5ufd Run

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

Motor Ratings:

(1) 3LU84BH

DRAWING NO.	PAGE 4 of 16	REV.
3LU84BH		-

Performance Data

3LU84BH	REV. -

Dayton Manufacturing Company

Motor Description

Model:	3LU84BH
Motor ID:	
Poles:	6
Volts:	230/208
Frequency:	60
HP:	.5
Speed:	1050
Phase:	1
Protector:	

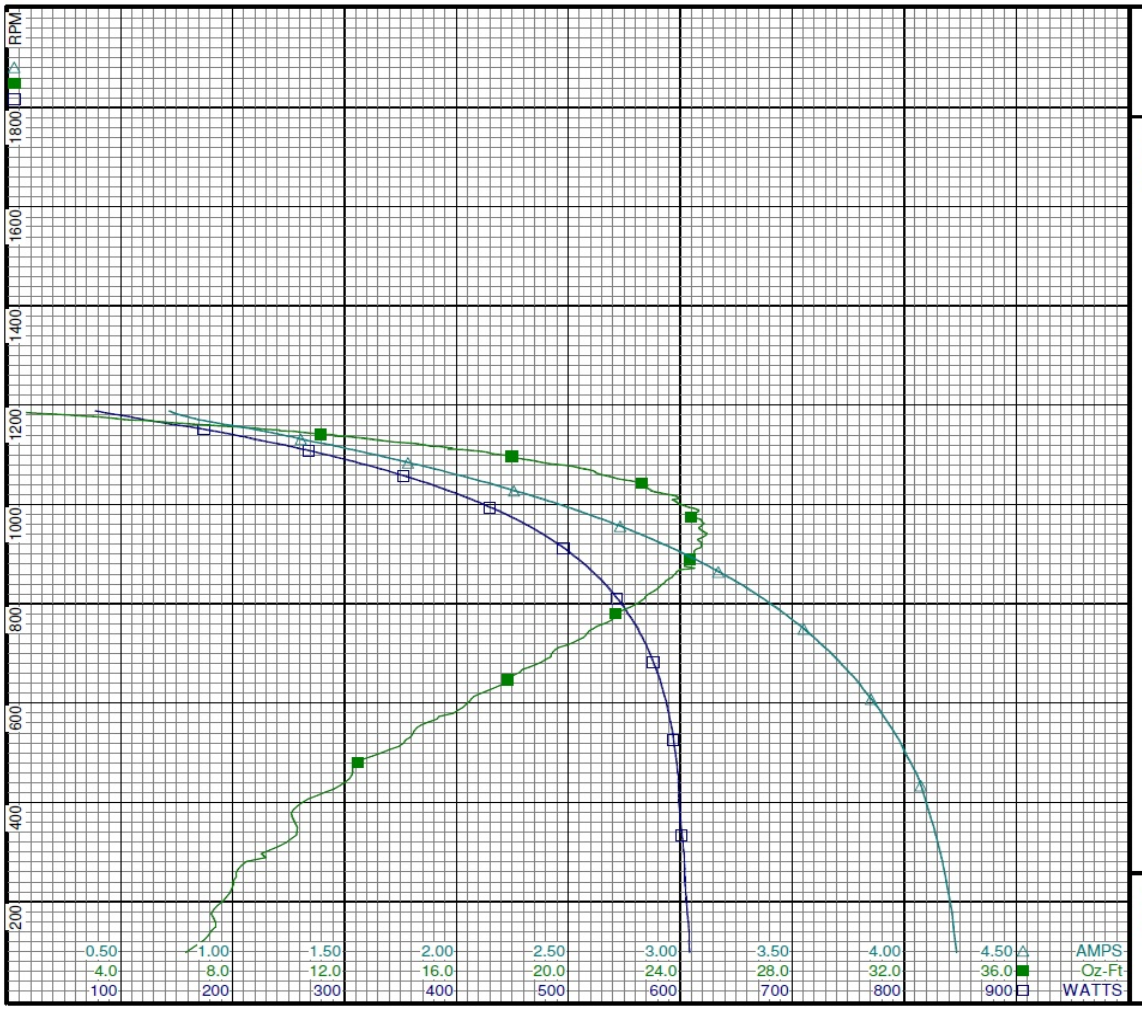
Test Conditions

Test Type:	Run	Run Cap:	7.5
Test Number:	4	Start Cap:	0µfd
Poles:	6	Environment:	
Volts:	208	Tested:	8/19/2002 11:44:37 AM
Hz:	60	Tested By:	Mitchell (Mitch), L.
Rotation:		Gear Ratio:	1:1
Special Cond:	M3 (MED LO)	Bearing Friction:	-1.02 Oz-Ft
Speed Conn:		Windage Torque:	-2.79 Oz-Ft
TestBoard:	Amtps Performance Fixture #2		

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	192.0	275.2	0.716	1.173	0.811	77.1	1189	0.00	0.000	0.0	51.8	7.8
	208.0	188.1	265.2	0.794	1.133	0.781	107.1	1177	3.01	0.042	29.4	64.8	7.8
	208.0	185.6	254.4	0.922	1.159	0.743	137.1	1165	5.81	0.081	43.9	71.5	7.7
	208.0	184.4	246.3	1.079	1.220	0.714	171.0	1153	8.91	0.122	53.4	76.2	7.7
	208.0	181.4	239.5	1.216	1.294	0.695	200.3	1141	11.49	0.156	58.1	79.2	7.7
	208.0	177.1	231.9	1.371	1.396	0.674	232.8	1125	13.85	0.186	59.5	81.6	7.7
	208.0	172.7	224.9	1.518	1.513	0.656	261.4	1111	15.69	0.208	59.3	82.8	7.7
	208.0	168.0	218.0	1.668	1.645	0.639	289.8	1097	17.99	0.235	60.5	83.5	7.8
	208.0	163.5	211.3	1.818	1.784	0.622	317.4	1081	19.54	0.251	59.1	83.9	7.8
1075 RPM	**208.0**	**161.6**	**208.9**	**1.873**	**1.839**	**0.617**	**327.2**	**1075**	**20.30**	**0.260**	**59.2**	**84.0**	**7.8**
	208.0	158.5	204.9	1.969	1.932	0.607	344.2	1064	20.97	0.266	57.6	84.1	7.9
	208.0	153.3	198.4	2.122	2.090	0.592	370.3	1046	22.44	0.279	56.3	83.9	7.9
	208.0	148.0	192.3	2.275	2.251	0.577	395.5	1025	23.08	0.282	53.1	83.6	8.0
	208.0	142.7	186.5	2.430	2.417	0.563	419.7	1004	23.86	0.285	50.7	83.0	8.0
	208.0	137.1	181.0	2.583	2.594	0.549	443.5	981	24.40	0.285	47.9	82.5	8.0
	208.0	131.4	176.1	2.732	2.759	0.537	464.8	956	24.75	0.282	45.2	81.8	8.1
BDT OZ-FT	**208.0**	**128.3**	**173.7**	**2.815**	**2.852**	**0.531**	**476.3**	**941**	**24.94**	**0.280**	**43.8**	**81.4**	**8.1**
	208.0	125.7	171.8	2.878	2.925	0.526	484.7	929	24.61	0.272	41.9	81.0	8.1
	208.0	120.0	167.8	3.021	3.086	0.515	503.3	899	24.50	0.262	38.9	80.1	8.1
	208.0	114.1	164.7	3.157	3.243	0.507	519.7	868	23.98	0.248	35.6	79.1	8.2
	208.0	108.5	162.0	3.287	3.393	0.501	534.8	835	23.27	0.231	32.3	78.2	8.2
	208.0	102.7	160.1	3.410	3.538	0.495	548.1	798	22.36	0.212	28.9	77.3	8.2
	208.0	97.2	158.8	3.526	3.675	0.490	559.5	759	21.24	0.192	25.6	76.3	8.2
	208.0	91.7	158.1	3.633	3.802	0.488	569.6	717	19.96	0.170	22.3	75.4	8.2
	208.0	86.4	158.0	3.733	3.922	0.487	577.8	672	18.61	0.149	19.2	74.4	8.2
	208.0	81.3	158.2	3.825	4.034	0.487	584.5	624	17.08	0.127	16.2	73.5	8.2
	208.0	76.1	158.7	3.908	4.136	0.487	590.1	573	15.38	0.105	13.3	72.6	8.1
	208.0	71.2	159.5	3.984	4.230	0.486	594.3	519	14.10	0.087	10.9	71.7	8.1
	208.0	66.1	160.5	4.050	4.314	0.483	597.5	461	12.29	0.067	8.4	70.9	8.0
	208.0	61.6	161.9	4.098	4.376	0.485	598.9	399	10.49	0.050	6.2	70.3	7.9
	208.0	56.6	164.3	4.141	4.434	0.488	601.4	334	10.28	0.041	5.1	69.8	7.9
	208.0	52.2	166.8	4.178	4.483	0.494	604.0	265	8.19	0.026	3.2	69.5	7.8
	208.0	48.7	169.0	4.208	4.526	0.499	605.7	192	7.46	0.017	2.1	69.2	7.8
	208.0	45.5	171.5	4.229	4.558	0.508	607.9	114	6.77	0.009	1.1	69.1	7.9

Performance Data

3LU84BH	REV. -



Curve Descriptions:

Motor(1) Test 4 Run 208V 60 Hz 6P
M3 (MED LO) 7.5ufd Run

- □ SPEED vs WATTS
- ■ SPEED vs TORQUE
- △ SPEED vs ILine

Motor Ratings:

(1) 3LU84BH

DRAWING NO.	PAGE 6 of 16	REV.
3LU84BH		-

Performance Data

3LU84BH	REV. -

Dayton Manufacturing Company

Motor Description

Model:	3LU84BH
Motor ID:	
Poles:	6
Volts:	230/208
Frequency:	60
HP:	.5
Speed:	1050
Phase:	1
Protector:	

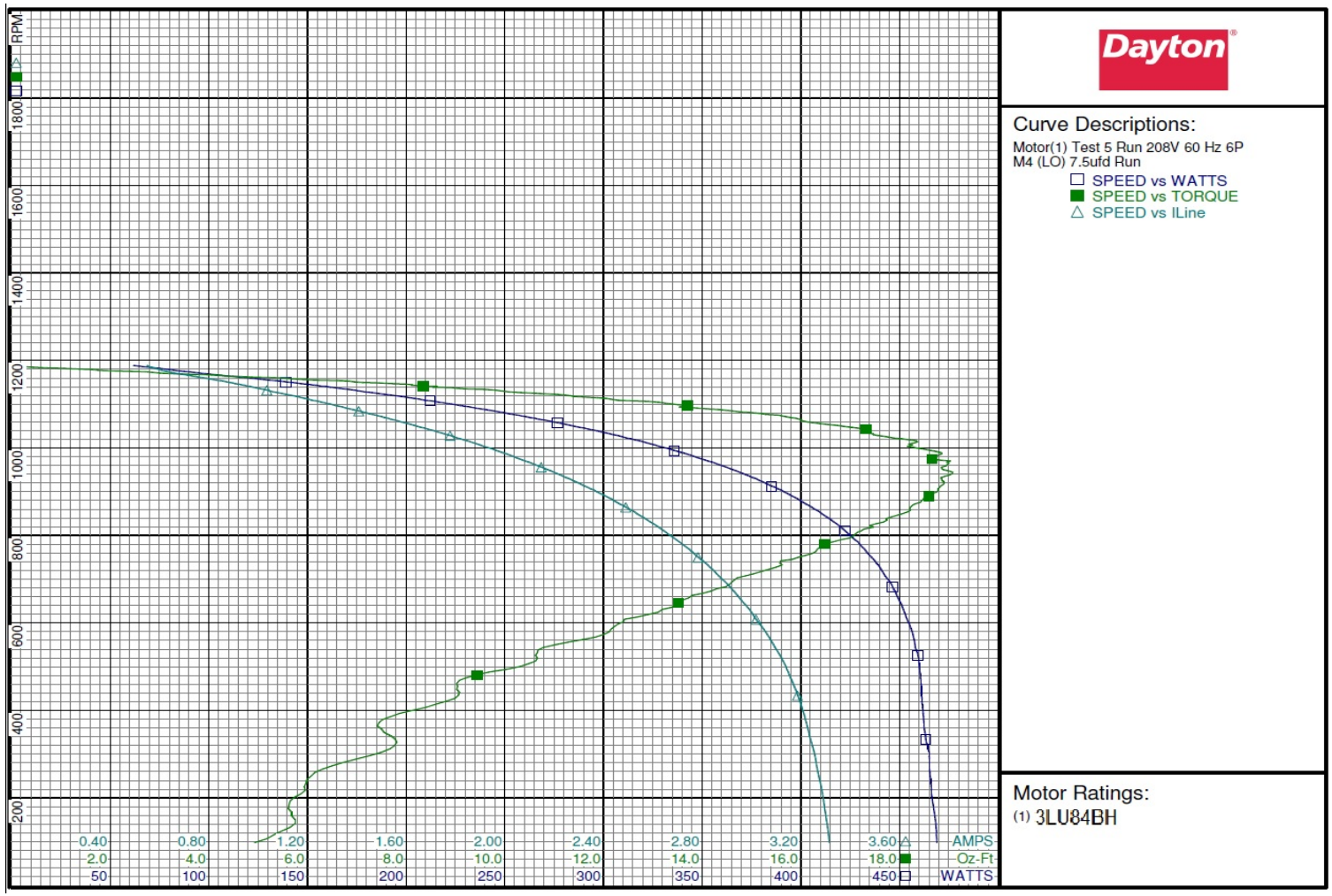
Test Conditions

Test Type:	Run	Run Cap:	7.5
Test Number:	5	Start Cap:	0µfd
Poles:	6	Environment:	
Volts:	208	Tested:	8/19/2002 12:15:34 PM
Hz:	60	Tested By:	Mitchell (Mitch), L.
Rotation:		Gear Ratio:	1:1
Special Cond:	M4 (LO)	Bearing Friction:	-0.83 Oz-Ft
Speed Conn:		Windage Torque:	-2.56 Oz-Ft
TestBoard:	Amtps Performance Fixture #2		

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	172.2	244.6	0.549	0.974	0.720	61.8	1188	0.000	0.000	0.0	54.1	7.8
	208.0	170.4	235.8	0.618	0.940	0.694	84.9	1176	2.039	0.029	25.1	66.1	7.8
	208.0	170.3	225.5	0.731	0.959	0.658	109.3	1164	4.322	0.060	40.9	71.9	7.7
	208.0	170.4	218.1	0.860	1.001	0.633	136.5	1152	6.849	0.094	51.4	76.3	7.7
	208.0	168.4	212.0	0.967	1.053	0.616	159.2	1140	8.628	0.117	54.9	79.1	7.7
	208.0	165.6	205.6	1.079	1.122	0.598	182.6	1126	10.323	0.138	56.6	81.3	7.7
	208.0	162.1	198.7	1.203	1.215	0.580	206.7	1111	12.138	0.161	58.0	82.6	7.7
	208.0	158.8	192.7	1.315	1.312	0.565	227.4	1097	13.707	0.179	58.7	83.1	7.8
	208.0	155.2	186.5	1.436	1.421	0.549	249.3	1080	14.958	0.192	57.6	83.5	7.8
1075 RPM	**208.0**	**154.0**	**184.5**	**1.477**	**1.460**	**0.544**	**256.6**	**1075**	**15.552**	**0.199**	**57.9**	**83.5**	**7.8**
	208.0	151.6	180.8	1.552	1.535	0.534	269.7	1064	15.996	0.203	56.0	83.5	7.8
	208.0	147.6	174.8	1.674	1.660	0.521	290.3	1045	17.140	0.213	54.8	83.3	7.9
	208.0	143.7	169.5	1.792	1.783	0.508	309.2	1026	17.723	0.216	52.2	83.0	7.9
	208.0	139.4	164.2	1.913	1.914	0.496	328.0	1004	18.161	0.217	49.4	82.4	8.0
	208.0	135.1	159.4	2.033	2.044	0.485	345.7	981	18.712	0.218	47.1	81.8	8.1
	208.0	130.6	155.0	2.148	2.175	0.474	362.1	956	18.851	0.215	44.2	81.0	8.1
BDT OZ-FT	**208.0**	**128.7**	**153.2**	**2.199**	**2.233**	**0.469**	**368.9**	**944**	**19.074**	**0.214**	**43.4**	**80.7**	**8.1**
	208.0	126.1	151.2	2.262	2.305	0.465	377.5	929	18.855	0.209	41.2	80.2	8.2
	208.0	121.6	147.7	2.373	2.433	0.455	391.5	899	18.765	0.201	38.3	79.3	8.2
	208.0	117.0	145.0	2.479	2.563	0.449	404.0	868	18.256	0.189	34.8	78.4	8.2
	208.0	112.3	142.7	2.579	2.682	0.442	415.5	834	17.743	0.176	31.6	77.5	8.2
	208.0	107.8	141.1	2.674	2.796	0.438	425.5	798	17.072	0.162	28.5	76.5	8.2
	208.0	103.3	140.1	2.766	2.905	0.434	433.9	759	16.244	0.147	25.2	75.4	8.2
	208.0	98.8	139.6	2.850	3.007	0.431	441.3	717	15.208	0.130	22.0	74.4	8.2
	208.0	94.6	139.6	2.928	3.103	0.431	447.7	672	14.175	0.113	18.9	73.5	8.2
	208.0	90.3	139.9	2.999	3.191	0.432	452.5	624	13.110	0.097	16.1	72.5	8.2
	208.0	86.2	140.4	3.064	3.274	0.432	456.7	573	11.993	0.082	13.4	71.7	8.2
	208.0	82.2	141.2	3.122	3.348	0.433	459.6	519	10.658	0.066	10.7	70.8	8.1
	208.0	78.5	142.2	3.169	3.410	0.434	460.9	461	9.024	0.050	8.0	69.9	8.1
	208.0	74.2	143.6	3.208	3.462	0.430	461.8	399	8.125	0.039	6.2	69.2	7.9
	208.0	70.4	145.8	3.239	3.507	0.434	463.3	334	7.778	0.031	5.0	68.8	7.9
	208.0	67.0	148.1	3.266	3.546	0.440	465.1	265	6.302	0.020	3.2	68.5	7.9
	208.0	63.9	150.1	3.292	3.581	0.444	466.7	192	5.644	0.013	2.1	68.1	7.8
	208.0	60.9	152.5	3.312	3.611	0.453	468.6	115	5.313	0.007	1.2	68.0	7.9

Performance Data

3LU84BH	REV. -



DRAWING NO.	PAGE 8 of 16	REV.
3LU84BH		-

Performance Data

3LU84BH	REV. -

Dayton Manufacturing Company

Motor Description

Model:	3LU84BH
Motor ID:	
Poles:	6
Volts:	230/208
Frequency:	60
HP:	.5
Speed:	1050
Phase:	1
Protector:	

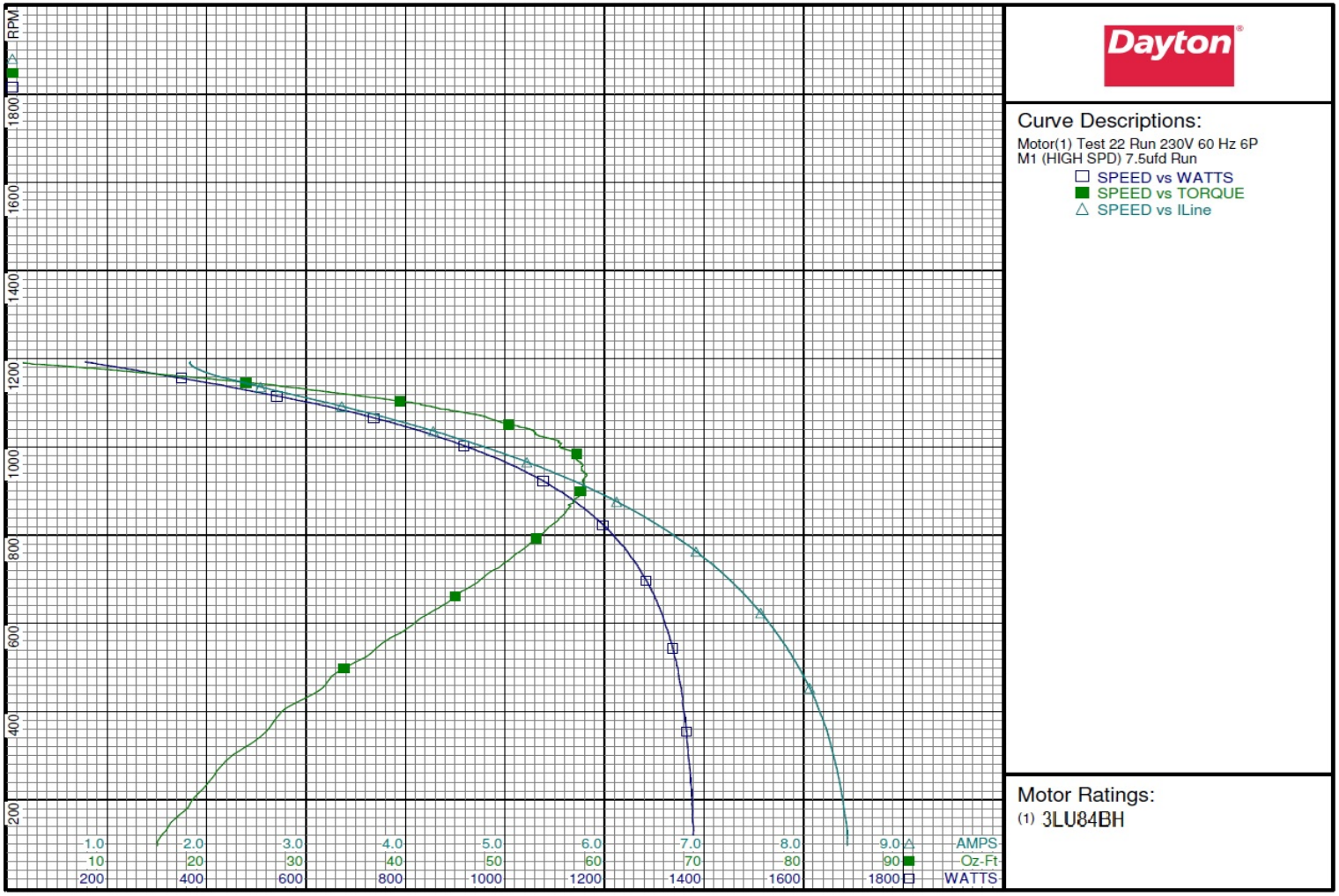
Test Conditions

Test Type:	Run	Run Cap:	7.5
Test Number:	22	Start Cap:	0µfd
Poles:	6	Environment:	
Volts:	230	Tested:	8/19/2002 9:32:35 AM
Hz:	60	Tested By:	Mitchell (Mitch), L.
Rotation:		Gear Ratio:	1:1
Special Cond:	M1 (HIGH SPD)	Bearing Friction:	-0.82 Oz-Ft
Speed Conn:		Windage Torque:	-2.22 Oz-Ft
TestBoard:	Amtps Performance Fixture #2		

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	278.7	392.4	1.832	2.498	1.127	155.9	1193	0.00	0.000	0.0	37.0	7.6
	230.0	274.8	384.8	1.868	2.392	1.109	216.1	1182	6.55	0.092	31.8	50.3	7.6
	230.0	270.8	376.8	1.973	2.366	1.087	273.2	1171	12.47	0.174	47.5	60.2	7.7
	230.0	265.7	367.1	2.170	2.423	1.057	342.7	1157	19.14	0.264	57.4	68.7	7.6
	230.0	260.9	359.4	2.387	2.536	1.033	405.0	1145	24.55	0.335	61.6	73.8	7.6
	230.0	255.5	352.0	2.620	2.688	1.013	465.7	1132	29.71	0.400	64.1	77.3	7.6
	230.0	249.1	344.2	2.865	2.872	0.995	526.9	1119	34.42	0.458	64.9	80.0	7.7
0.5 HP	**230.0**	**244.3**	**338.6**	**3.051**	**3.025**	**0.983**	**571.2**	**1109**	**37.88**	**0.500**	**65.3**	**81.4**	**7.7**
	230.0	241.9	335.8	3.143	3.105	0.977	592.1	1104	39.43	0.518	65.3	81.9	7.7
	230.0	234.3	327.5	3.427	3.362	0.959	655.4	1088	43.17	0.559	63.7	83.2	7.8
1075 RPM	**230.0**	**227.9**	**320.7**	**3.659**	**3.583**	**0.945**	**705.3**	**1075**	**46.62**	**0.597**	**63.1**	**83.8**	**7.8**
	230.0	226.2	318.9	3.722	3.643	0.941	717.9	1072	47.52	0.606	63.0	83.9	7.8
	230.0	217.8	310.6	4.015	3.934	0.922	778.1	1053	49.99	0.627	60.1	84.3	7.9
	230.0	208.6	302.0	4.314	4.239	0.902	835.9	1034	52.95	0.652	58.2	84.2	7.9
	230.0	199.7	293.8	4.615	4.554	0.882	892.7	1013	55.44	0.669	55.9	84.1	8.0
	230.0	190.5	286.0	4.917	4.875	0.864	946.6	990	56.75	0.669	52.7	83.7	8.0
	230.0	181.1	278.8	5.221	5.215	0.846	1000.2	966	57.55	0.661	49.3	83.3	8.0
	230.0	171.8	272.0	5.520	5.539	0.829	1049.3	939	58.15	0.650	46.2	82.7	8.1
BDT OZ-FT	**230.0**	**170.8**	**271.4**	**5.552**	**5.573**	**0.828**	**1054.2**	**936**	**58.24**	**0.649**	**45.9**	**82.6**	**8.1**
	230.0	162.5	266.1	5.809	5.855	0.814	1094.5	910	57.81	0.627	42.7	81.9	8.1
	230.0	153.2	260.6	6.094	6.167	0.799	1136.8	879	56.95	0.596	39.1	81.1	8.1
	230.0	143.9	255.9	6.364	6.466	0.786	1173.8	846	55.89	0.563	35.8	80.2	8.1
	230.0	135.1	252.2	6.622	6.752	0.775	1208.7	811	54.10	0.522	32.2	79.4	8.2
	230.0	126.4	249.0	6.869	7.030	0.766	1240.5	772	52.05	0.478	28.8	78.5	8.2
	230.0	117.9	246.8	7.095	7.287	0.757	1265.9	731	49.65	0.432	25.5	77.6	8.1
	230.0	109.7	245.1	7.311	7.531	0.751	1288.8	687	46.79	0.382	22.1	76.6	8.1
	230.0	101.8	244.1	7.506	7.755	0.746	1307.8	640	43.68	0.333	19.0	75.8	8.1
	230.0	93.9	243.1	7.691	7.967	0.740	1324.5	590	40.27	0.283	15.9	74.9	8.1
	230.0	86.5	243.5	7.854	8.155	0.738	1339.0	537	36.74	0.235	13.1	74.1	8.0
	230.0	79.0	243.9	8.001	8.328	0.734	1349.3	480	32.60	0.186	10.3	73.3	8.0
	230.0	71.4	244.7	8.130	8.479	0.728	1357.3	419	28.96	0.144	7.9	72.6	7.9
	230.0	65.2	246.5	8.236	8.608	0.730	1365.0	355	26.04	0.110	6.0	72.1	7.9
	230.0	60.5	248.7	8.315	8.708	0.737	1369.6	287	21.91	0.075	4.1	71.6	7.9
	230.0	56.5	251.8	8.382	8.794	0.742	1375.0	215	19.20	0.049	2.7	71.3	7.8
	230.0	53.6	255.1	8.435	8.869	0.752	1378.8	139	16.17	0.027	1.4	71.1	7.8

Performance Data

3LU84BH	REV. -



Dayton

Curve Descriptions:

Motor(1) Test 22 Run 230V 60 Hz 6P
M1 (HIGH SPD) 7.5ufd Run

- □ SPEED vs WATTS
- ■ SPEED vs TORQUE
- △ SPEED vs ILine

Motor Ratings:

(1) 3LU84BH

DRAWING NO.	PAGE 10 of 16	REV.
3LU84BH		-

Performance Data

3LU84BH	REV. -

Dayton Manufacturing Company

Motor Description

Model:	3LU84BH
Motor ID:	
Poles:	6
Volts:	230/208
Frequency:	60
HP:	.5
Speed:	1050
Phase:	1
Protector:	

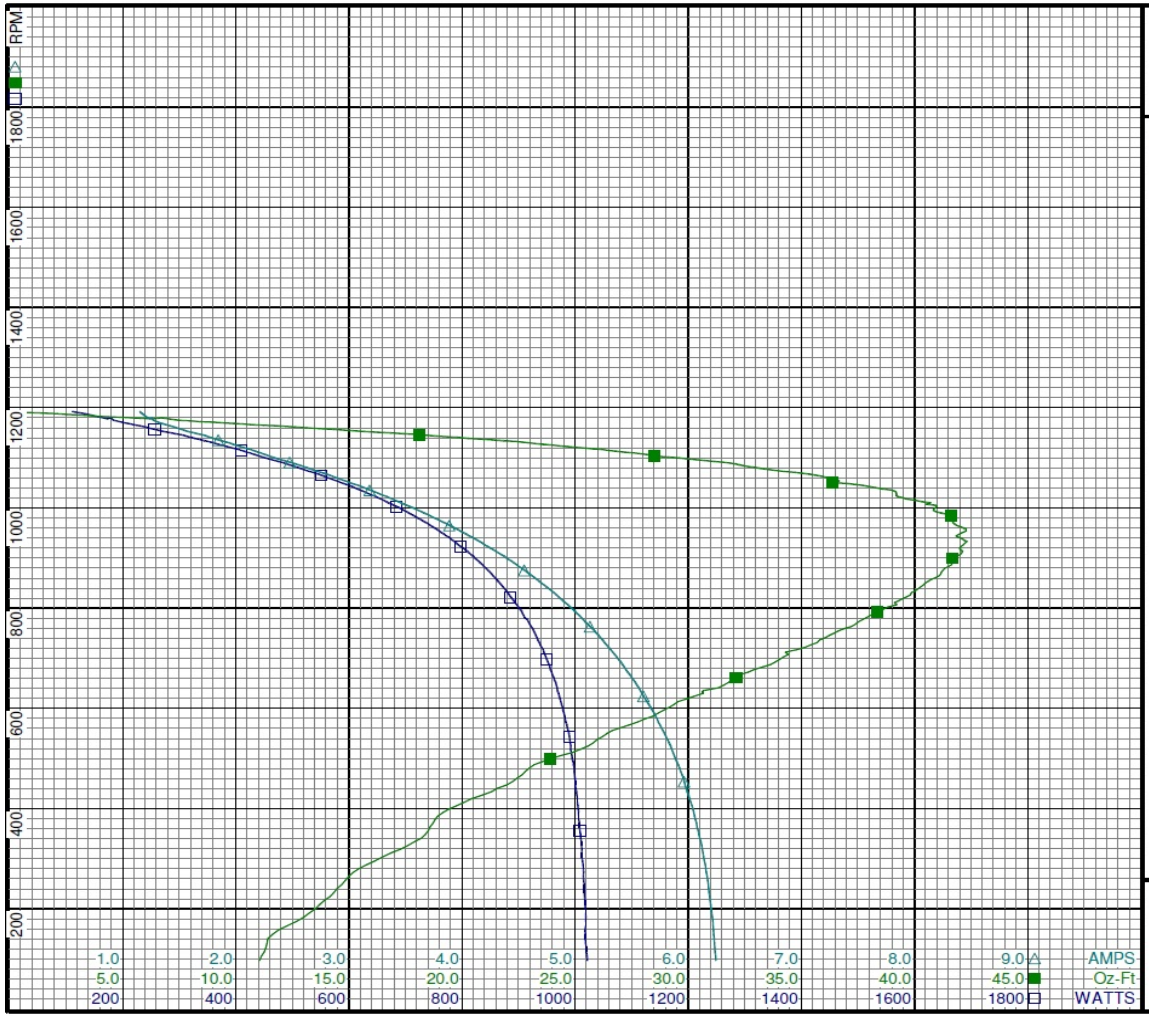
Test Conditions

Test Type:	Run	Run Cap:	7.5
Test Number:	23	Start Cap:	0µfd
Poles:	6	Environment:	
Volts:	230	Tested:	8/19/2002 10:49:00 AM
Hz:	60	Tested By:	Mitchell (Mitch), L.
Rotation:		Gear Ratio:	1:1
Special Cond:	M2 (MED HI)	Bearing Friction:	-0.73 Oz-Ft
Speed Conn:		Windage Torque:	-2.43 Oz-Ft
TestBoard:	Amtps Performance Fixture #2		

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	243.4	345.0	1.152	1.738	1.010	110.8	1193	0.00	0.000	0.0	41.8	7.8
	230.0	239.3	336.3	1.211	1.656	0.989	157.7	1181	4.67	0.066	31.0	56.6	7.8
	230.0	234.1	325.7	1.330	1.649	0.952	204.1	1170	9.49	0.132	48.3	66.7	7.8
	230.0	230.3	316.4	1.497	1.707	0.919	250.7	1158	13.70	0.189	56.2	72.8	7.7
	230.0	225.4	307.1	1.721	1.823	0.889	307.6	1145	18.40	0.251	60.8	77.7	7.7
	230.0	220.1	299.2	1.917	1.953	0.868	355.3	1131	22.66	0.305	64.1	80.6	7.7
	230.0	214.3	291.4	2.109	2.101	0.848	400.0	1118	25.81	0.343	64.0	82.5	7.7
	230.0	208.0	283.4	2.298	2.263	0.827	442.3	1103	28.50	0.374	63.1	83.7	7.7
	230.0	201.6	275.5	2.527	2.472	0.810	489.5	1088	32.07	0.415	63.3	84.2	7.8
1075 RPM	**230.0**	**196.5**	**269.4**	**2.693**	**2.631**	**0.795**	**523.7**	**1075**	**33.79**	**0.432**	**61.6**	**84.6**	**7.8**
	230.0	194.8	267.5	2.751	2.688	0.791	536.1	1071	34.69	0.442	61.5	84.7	7.8
	230.0	187.9	259.9	2.976	2.914	0.774	580.3	1053	36.66	0.460	59.1	84.8	7.9
	230.0	180.5	252.2	3.209	3.155	0.757	624.1	1034	39.10	0.481	57.5	84.6	8.0
	230.0	173.2	245.1	3.435	3.392	0.740	666.0	1013	40.33	0.486	54.4	84.3	8.0
	230.0	165.5	238.2	3.664	3.637	0.724	705.9	990	41.18	0.485	51.3	83.8	8.1
	230.0	157.7	231.7	3.889	3.882	0.709	744.0	965	41.86	0.481	48.2	83.2	8.1
	230.0	149.8	225.9	4.109	4.124	0.694	779.5	939	42.10	0.470	45.0	82.5	8.1
BDT OZ-FT	**230.0**	**148.1**	**224.7**	**4.157**	**4.178**	**0.690**	**786.9**	**933**	**42.32**	**0.470**	**44.5**	**82.3**	**8.2**
	230.0	141.9	220.5	4.322	4.362	0.680	812.4	910	42.08	0.456	41.9	81.7	8.2
	230.0	133.9	215.8	4.527	4.593	0.667	842.2	879	41.34	0.433	38.3	80.9	8.2
	230.0	126.0	211.9	4.727	4.820	0.655	869.9	846	40.37	0.407	34.9	80.0	8.2
	230.0	118.3	208.8	4.911	5.031	0.645	893.4	811	39.11	0.377	31.5	79.1	8.2
	230.0	110.6	206.2	5.090	5.243	0.636	917.5	772	37.51	0.345	28.0	78.4	8.2
	230.0	102.9	204.3	5.260	5.438	0.629	936.6	731	35.68	0.310	24.7	77.4	8.2
	230.0	95.7	203.4	5.418	5.620	0.624	953.7	687	33.63	0.275	21.5	76.5	8.1
	230.0	88.5	202.8	5.562	5.788	0.621	968.1	640	31.33	0.239	18.4	75.7	8.1
	230.0	81.3	202.5	5.697	5.946	0.617	980.3	590	28.67	0.201	15.3	74.8	8.1
	230.0	74.5	203.1	5.816	6.088	0.617	990.3	537	25.98	0.166	12.5	74.0	8.1
	230.0	67.5	203.9	5.923	6.218	0.615	998.5	480	22.96	0.131	9.8	73.3	8.0
	230.0	60.7	205.0	6.012	6.329	0.615	1003.7	419	20.43	0.102	7.6	72.6	8.0
	230.0	53.7	207.1	6.085	6.422	0.615	1008.1	356	18.51	0.078	5.8	72.0	7.9
	230.0	46.7	210.7	6.148	6.504	0.619	1013.8	288	15.80	0.054	4.0	71.7	7.8
	230.0	42.7	212.5	6.193	6.564	0.626	1017.0	216	13.90	0.036	2.6	71.4	7.8
	230.0	38.3	214.9	6.228	6.613	0.635	1017.7	140	11.42	0.019	1.4	71.1	7.8

Performance Data

3LU84BH	REV. -



Curve Descriptions:

Motor(1) Test 23 Run 230V 60 Hz 6P
M2 (MED HI) 7.5ufd Run

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

Motor Ratings:

(1) 3LU84BH

DRAWING NO.	PAGE 12 of 16	REV.
3LU84BH		-

Performance Data

3LU84BH	REV. -

Dayton Manufacturing Company

Motor Description

Model:	3LU84BH
Motor ID:	
Poles:	6
Volts:	230/208
Frequency:	60
HP:	.5
Speed:	1050
Phase:	1
Protector:	

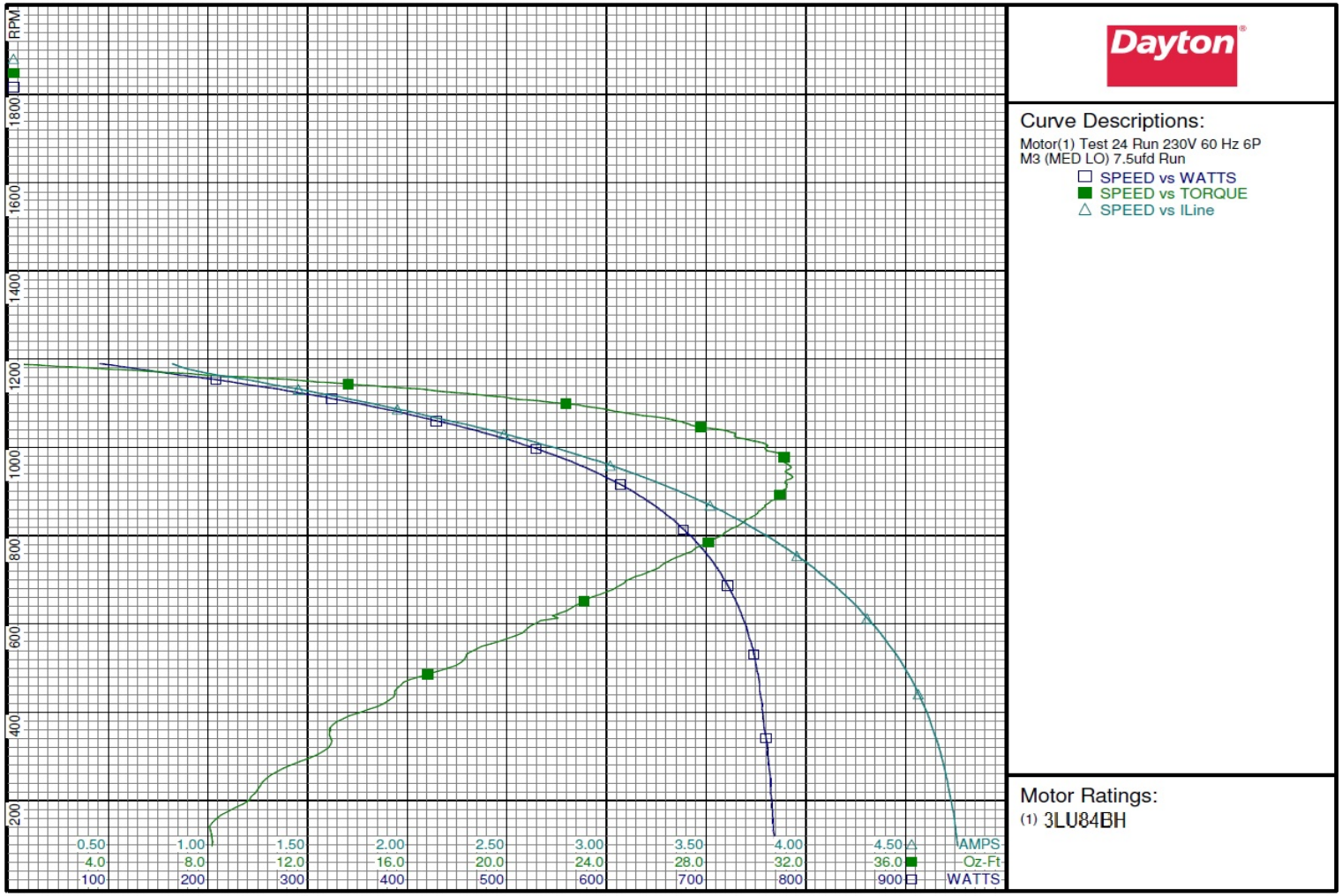
Test Conditions

Test Type:	Run	Run Cap:	7.5
Test Number:	24	Start Cap:	0µfd
Poles:	6	Environment:	
Volts:	230	Tested:	8/19/2002 11:47:33 AM
Hz:	60	Tested By:	Mitchell (Mitch), L.
Rotation:		Gear Ratio:	1:1
Special Cond:	M3 (MED LO)	Bearing Friction:	-1.04 Oz-Ft
Speed Conn:		Windage Torque:	-2.74 Oz-Ft
TestBoard:	Amtps Performance Fixture #2		

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	213.9	304.0	0.821	1.334	0.895	91.4	1190	0.00	0.000	0.0	48.4	7.8
	230.0	209.6	293.7	0.894	1.280	0.865	128.5	1178	3.73	0.052	30.4	62.5	7.8
	230.0	206.5	283.2	1.013	1.292	0.828	163.5	1167	7.32	0.102	46.4	70.2	7.8
	230.0	204.8	274.0	1.177	1.351	0.795	203.8	1155	11.00	0.151	55.4	75.2	7.7
	230.0	201.6	266.4	1.334	1.429	0.772	242.3	1141	14.14	0.192	59.1	79.0	7.7
	230.0	197.1	258.5	1.501	1.538	0.752	280.7	1128	17.19	0.231	61.3	81.3	7.7
	230.0	192.4	250.9	1.663	1.661	0.732	316.8	1114	19.84	0.263	62.0	82.8	7.7
	230.0	187.5	243.5	1.827	1.802	0.714	352.1	1099	22.38	0.293	62.0	83.8	7.8
	230.0	182.3	236.2	1.990	1.952	0.695	385.8	1084	24.16	0.312	60.3	84.3	7.8
1075 RPM	**230.0**	**179.6**	**232.7**	**2.069**	**2.029**	**0.686**	**401.1**	**1075**	**25.13**	**0.322**	**59.8**	**84.3**	**7.8**
	230.0	176.8	229.1	2.148	2.107	0.677	417.4	1066	26.32	0.334	59.7	84.5	7.8
	230.0	171.2	221.9	2.330	2.290	0.662	451.9	1048	27.53	0.344	56.7	84.3	7.9
	230.0	165.6	215.1	2.505	2.472	0.644	484.4	1028	29.16	0.357	55.0	84.1	7.9
	230.0	159.6	208.6	2.679	2.657	0.629	516.1	1006	30.42	0.364	52.7	83.8	8.0
	230.0	153.6	202.7	2.848	2.841	0.614	545.2	984	31.15	0.365	49.9	83.2	8.0
	230.0	147.4	197.1	3.020	3.030	0.601	573.2	959	31.33	0.358	46.6	82.5	8.1
BDT OZ-FT	**230.0**	**141.0**	**191.9**	**3.189**	**3.220**	**0.588**	**599.6**	**932**	**31.47**	**0.349**	**43.4**	**81.8**	**8.1**
	230.0	141.0	191.9	3.189	3.220	0.588	599.6	932	31.47	0.349	43.4	81.8	8.1
	230.0	134.7	187.4	3.348	3.401	0.576	623.8	903	31.11	0.335	40.0	81.0	8.2
	230.0	128.2	183.4	3.504	3.579	0.566	645.7	872	30.46	0.316	36.5	80.1	8.2
	230.0	122.0	180.4	3.652	3.750	0.557	665.5	838	29.71	0.297	33.2	79.2	8.2
	230.0	115.6	177.9	3.794	3.916	0.549	683.0	802	28.67	0.274	29.9	78.3	8.2
	230.0	109.4	176.2	3.926	4.072	0.543	698.7	764	27.41	0.249	26.6	77.4	8.2
	230.0	103.3	175.0	4.052	4.221	0.538	712.3	722	25.87	0.222	23.3	76.4	8.2
	230.0	97.4	174.4	4.168	4.359	0.536	724.0	677	24.25	0.196	20.1	75.5	8.1
	230.0	91.7	174.4	4.275	4.489	0.535	734.0	629	22.40	0.168	17.1	74.6	8.1
	230.0	86.0	174.7	4.374	4.608	0.533	742.0	579	20.61	0.142	14.3	73.8	8.1
	230.0	80.5	175.4	4.462	4.717	0.533	748.7	525	18.35	0.115	11.4	73.0	8.1
	230.0	75.3	176.2	4.538	4.813	0.533	753.3	467	15.84	0.088	8.7	72.2	8.0
	230.0	69.3	177.8	4.600	4.893	0.530	756.0	406	14.45	0.070	6.9	71.5	7.9
	230.0	64.2	180.2	4.652	4.963	0.534	760.0	341	12.92	0.053	5.2	71.0	7.9
	230.0	58.8	183.0	4.696	5.023	0.539	763.3	273	11.02	0.036	3.5	70.7	7.8
	230.0	55.0	185.3	4.728	5.069	0.545	765.7	200	9.66	0.023	2.2	70.4	7.8
	230.0	51.3	187.8	4.755	5.105	0.555	768.2	123	8.14	0.012	1.2	70.2	7.8

Performance Data

3LU84BH	REV. -



DRAWING NO.	PAGE 14 of 16	REV.
3LU84BH		-

Performance Data

3LU84BH	REV. -

Dayton Manufacturing Company

Motor Description

Model:	3LU84BH
Motor ID:	
Poles:	6
Volts:	230/208
Frequency:	60
HP:	.5
Speed:	1050
Phase:	1
Protector:	

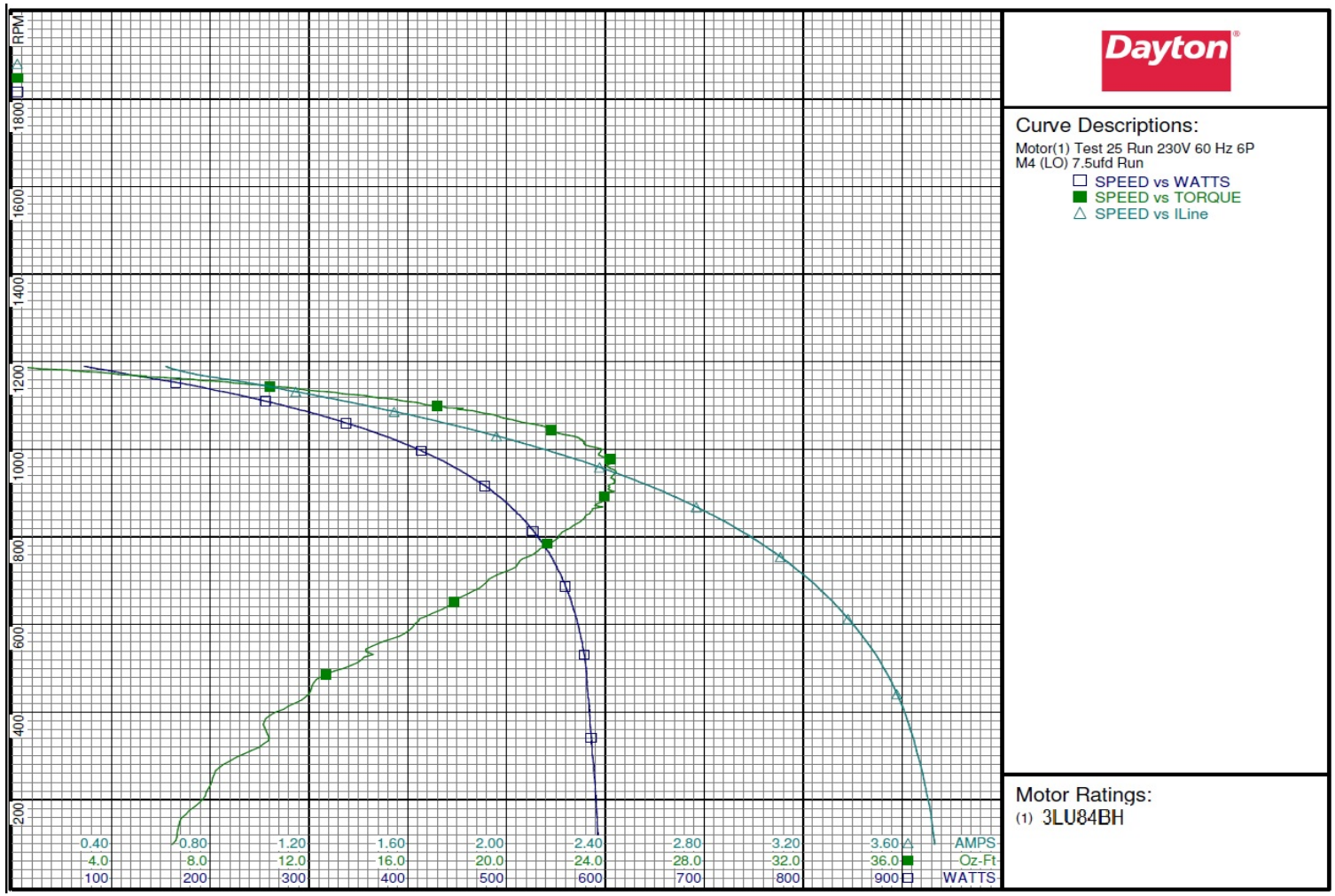
Test Conditions

Test Type:	Run	Run Cap:	7.5
Test Number:	25	Start Cap:	0µfd
Poles:	6	Environment:	
Volts:	230	Tested:	8/19/2002 12:16:45 PM
Hz:	60	Tested By:	Mitchell (Mitch), L.
Rotation:		Gear Ratio:	1:1
Special Cond:	M4 (LO)	Bearing Friction:	-0.85 Oz-Ft
Speed Conn:		Windage Torque:	-2.41 Oz-Ft
TestBoard:	Amtps Performance Fixture #2		

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	192.5	271.3	0.620	1.100	0.798	72.4	1190	0.00	0.000	0.0	50.8	7.8
	230.0	190.0	261.9	0.685	1.054	0.771	100.8	1178	2.71	0.038	28.2	63.9	7.8
	230.0	189.2	251.1	0.796	1.063	0.734	130.2	1166	5.23	0.073	41.6	71.1	7.8
	230.0	189.3	242.9	0.930	1.102	0.705	161.8	1154	8.62	0.118	54.6	75.6	7.7
	230.0	187.4	236.5	1.047	1.154	0.686	189.6	1143	10.74	0.146	57.5	78.7	7.7
	230.0	183.9	228.3	1.195	1.241	0.663	223.4	1127	13.36	0.179	59.8	81.3	7.7
	230.0	180.6	221.8	1.315	1.330	0.647	249.8	1113	15.54	0.206	61.5	82.6	7.7
	230.0	176.8	215.2	1.444	1.437	0.630	277.0	1099	17.21	0.225	60.6	83.4	7.8
	230.0	173.0	208.4	1.577	1.556	0.614	304.1	1082	19.08	0.246	60.3	83.9	7.8
1075 RPM	**230.0**	**171.3**	**205.4**	**1.635**	**1.612**	**0.606**	**315.5**	**1075**	**19.69**	**0.252**	**59.6**	**83.9**	**7.8**
	230.0	168.9	201.9	1.707	1.682	0.598	329.6	1066	20.34	0.258	58.4	83.9	7.9
	230.0	164.8	195.5	1.844	1.819	0.581	355.6	1047	21.74	0.271	56.8	83.9	7.9
	230.0	160.4	189.4	1.975	1.957	0.567	379.5	1028	22.82	0.279	54.9	83.6	7.9
	230.0	155.8	183.6	2.111	2.103	0.553	403.3	1007	23.39	0.280	51.8	83.1	8.0
	230.0	151.0	178.1	2.245	2.250	0.539	425.8	984	23.86	0.279	48.9	82.5	8.0
	230.0	146.1	173.1	2.377	2.397	0.527	446.7	959	24.12	0.275	46.0	81.7	8.1
BDT OZ-FT	**230.0**	**143.9**	**171.0**	**2.436**	**2.463**	**0.522**	**456.4**	**947**	**24.43**	**0.275**	**45.0**	**81.5**	**8.1**
	230.0	141.1	168.5	2.508	2.553	0.516	467.0	932	24.32	0.270	43.1	80.9	8.1
	230.0	136.1	164.6	2.635	2.698	0.506	485.9	903	24.34	0.262	40.2	80.2	8.1
	230.0	131.0	161.3	2.755	2.839	0.498	502.8	872	23.57	0.245	36.3	79.3	8.2
	230.0	126.0	158.5	2.872	2.975	0.491	517.8	838	23.05	0.230	33.1	78.4	8.2
	230.0	120.7	156.5	2.982	3.106	0.484	530.8	803	22.11	0.211	29.7	77.4	8.2
	230.0	115.8	155.0	3.086	3.230	0.480	543.0	763	21.15	0.192	26.4	76.5	8.2
	230.0	110.8	154.2	3.183	3.348	0.476	552.8	722	19.99	0.172	23.2	75.5	8.2
	230.0	106.1	154.0	3.272	3.457	0.475	561.1	677	18.66	0.150	20.0	74.5	8.2
	230.0	101.4	154.1	3.356	3.560	0.475	568.5	630	17.18	0.129	16.9	73.6	8.2
	230.0	96.8	154.5	3.432	3.655	0.474	574.4	579	15.86	0.109	14.2	72.8	8.1
	230.0	92.5	155.3	3.501	3.742	0.474	578.9	525	14.23	0.089	11.5	71.9	8.1
	230.0	88.3	156.3	3.559	3.816	0.475	581.5	468	12.20	0.068	8.7	71.0	8.1
	230.0	83.6	157.7	3.607	3.879	0.472	583.6	406	10.97	0.053	6.8	70.4	7.9
	230.0	79.2	160.0	3.645	3.932	0.476	585.8	342	10.39	0.042	5.4	69.9	7.9
	230.0	74.9	162.6	3.678	3.979	0.481	588.0	273	8.36	0.027	3.4	69.5	7.8
	230.0	71.6	164.8	3.706	4.018	0.487	590.2	200	7.70	0.018	2.3	69.2	7.8
	230.0	68.7	167.0	3.727	4.051	0.496	592.2	123	6.66	0.010	1.2	69.1	7.9

Performance Data

3LU84BH	REV. -



Curve Descriptions:

Motor(1) Test 25 Run 230V 60 Hz 6P
M4 (LO) 7.5ufd Run

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

Motor Ratings:

(1) 3LU84BH

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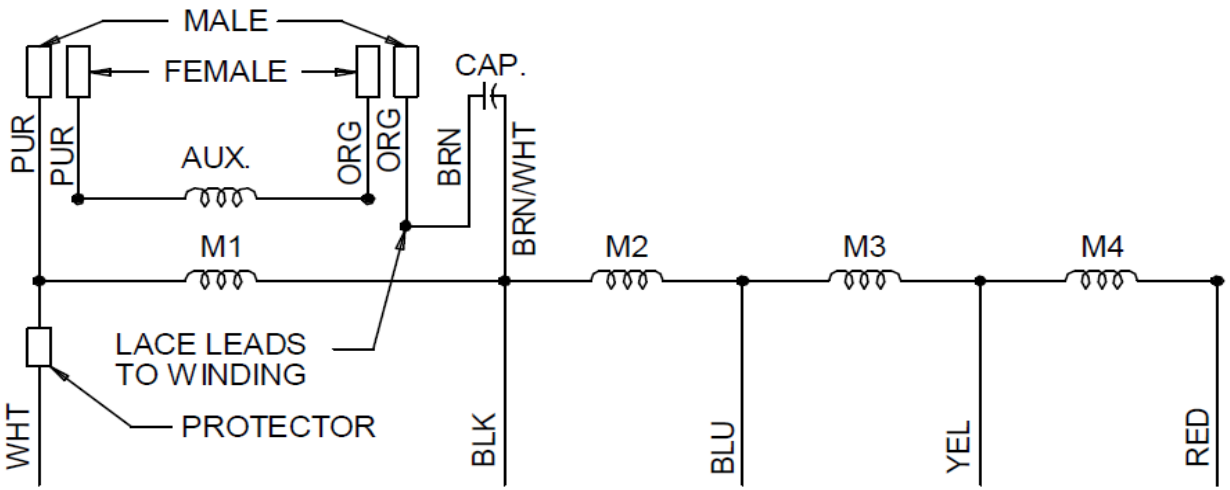
3LU84BH		-

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

Wiring Diagram

3LU84BH	REV. -



ROTATION: CCW VIEWING LEAD END
WITH ORG-ORG AND PUR-PUR.
TO REV. ROTATION INTERCHANGE
ORG. AND PUR LEADS.

DRAWING NO.	PAGE 1 of 1	REV.
3LU84BH		-

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

Dayton®

DIRECT DRIVE BLOWER MOTOR

BAR CODE

Part No 3LU84BH

HP: 1/2
VOLTS: 208-230
AMPS: 3.3-3.1
RPM: 1075 / 4SPD
DUTY: CONT
SF: 1.0
KVA CODE:
ENCL: OAO

PH: 1
HZ: 60
FR: 48YZ
INS CL: B
AMB: 40 °C
SFA:

THERMALLY PROTECTED: AUTO

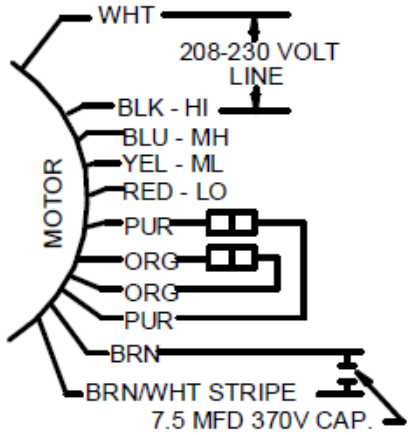
MFG. NO. [ ] PROT. CODE : 7A000

AVG.F.L EFF.

MTR REF: K55HXKDF-2247

Disconnect Power Before Making Any Electrical Connections or Changes

TO REVERSE ROTATION INTERCHANGE ORG AND PUR LEADS



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

Made In China