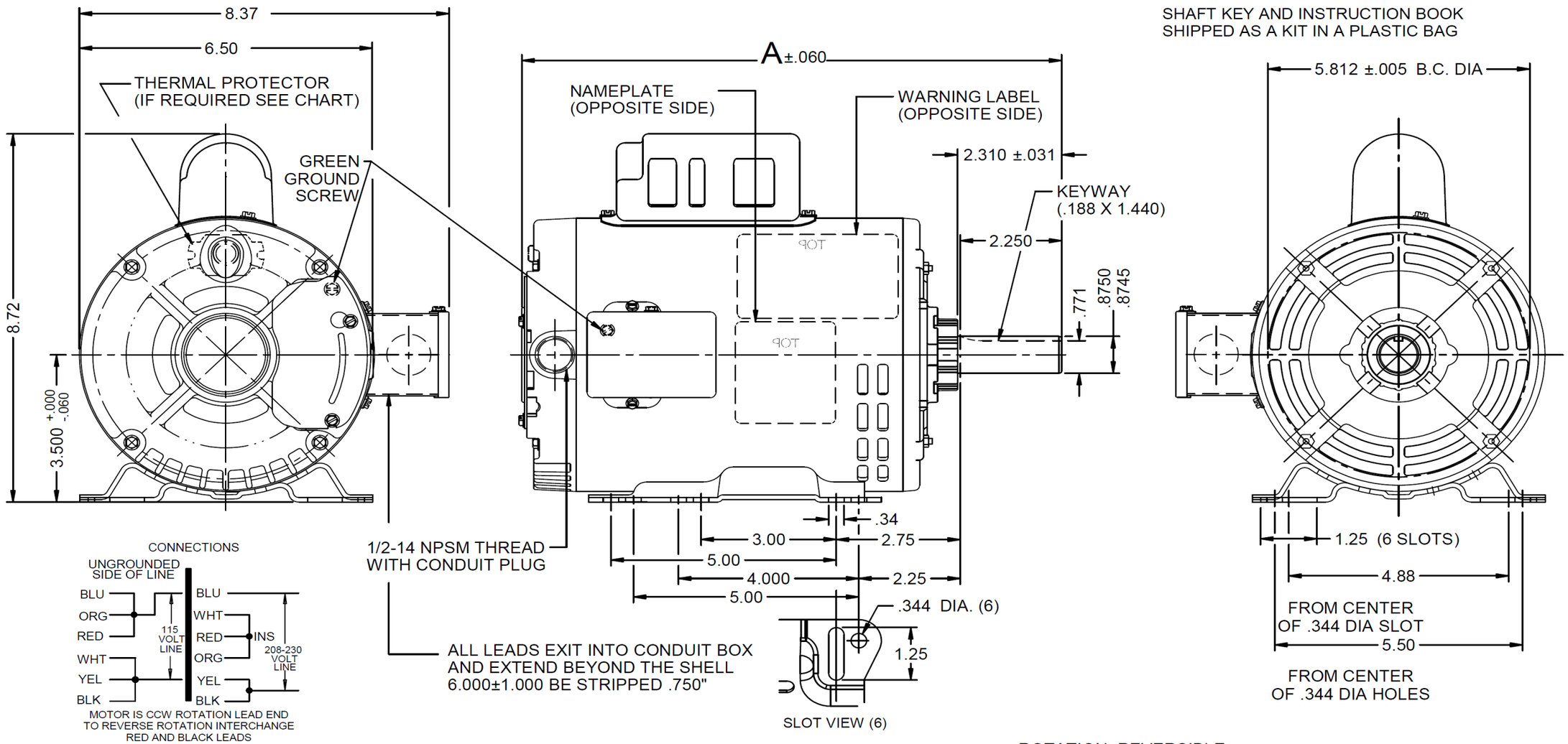
Dimensional Drawing

6K826BG

REV. -

VAR	MODEL	CUST. PT. NO.	A	B	C	D	HP	VOLTS	SF	AMPS	HZ	RPM	CONN VOLTS	PROT.	DESCRIPTION / REMARKS
001	C63JFF-1312	6K826BG	13.250	-------	-------	-------	1 1/2	115/208-230	1.15	19.2/10.0-9.6	60	1725	230	NONE	CAP, START, ODP, 145T



DRAWING NO.	PAGE 1 of 1	REV.
6K826BG		-

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

Performance Data

6K826BG	REV. -

MOTOR PERFORMANCE

HP:	1 1/2							
Poles:	4							
No. of Speeds:	1							
Volts:	115/208-230	**115**	**208**	**230**				
HZ:	60	**60**	**60**	**60**				
Service Factor:	1.15							
Efficiency:	@ Rated Load	72.3	70.6	72.8				
Power Factor:	@ Rated Load	74.1	78.7	73.6				
Amps:	@ No Load							
	@ Rated Load	18.21	9.7	9.1				
	@ Service Factor	20	11.01	10.1				
	@ Locked Rotor	98.4	45.3	50.8				
RPM:	@ Rated Load	1737	1718	1738				
Ambient (ºC):	40							
Altitude (FASL)**:**								
Torques:	Breakdown	161.1	130	163.5				
	Locked Rotor	224	168.3	204				
	Pull-Up	223	166.5	203				
	Rated Load	72.5	73.3	72.5				
	Service Factor	83.8	85	83.8				
Watts:	Rated Load	1548	1586	1537				
KVA Code:	J	J	G	J				
Temperature Rise:	@ Rated Load	63.2	77	62.5				
	@ Service Factor	81.9	NA	80.7				
Thermal Protector:	Trip Temp (ºC)	NA	NA	NA				
Winding Material:	Start (Auxiliary)	Cu	Cu	Cu				
	Run (Main)	Cu	Cu	Cu				
Capacitor(s):	Start (MFD / Volts)	780MFD/125V						
	No. of Start Capacitors							
	Run (MFD / Volts)	NA						
	No. of Run Capacitors							
LOW SPEED PERFORMANCE DATA:								
HP:								
Poles:								
Volts:								
HZ:								
Efficiency:	@ Rated Load							
Power Factor:	@ Rated Load							
Amps:	@ No Load							
	@ Rated Load							
	@ Service Factor							
	@ Locked Rotor							
Torques:	Bead Down							
	Locked Rotor							
	Pull-Up							
	Rated Load							
	Service Factor							
Watts:	@ Rated Load							
Temperature Rise:	@ Rated Load							
	@ Service Factor							

DRAWING NO.	PAGE 1 of 1	REV.
6K826BG		-

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

Performance Data

6K826BG	REV. -

Dayton Manufacturing Company

Motor Description

Model:	C063JFF1213	6K826BG
Motor ID:	1	
Poles:	4	
Volts:	115/230	
Frequency:	60	
HP:	1.5	
Speed:	1725	
Phase:	1	
Protector:	CEJ49CX	

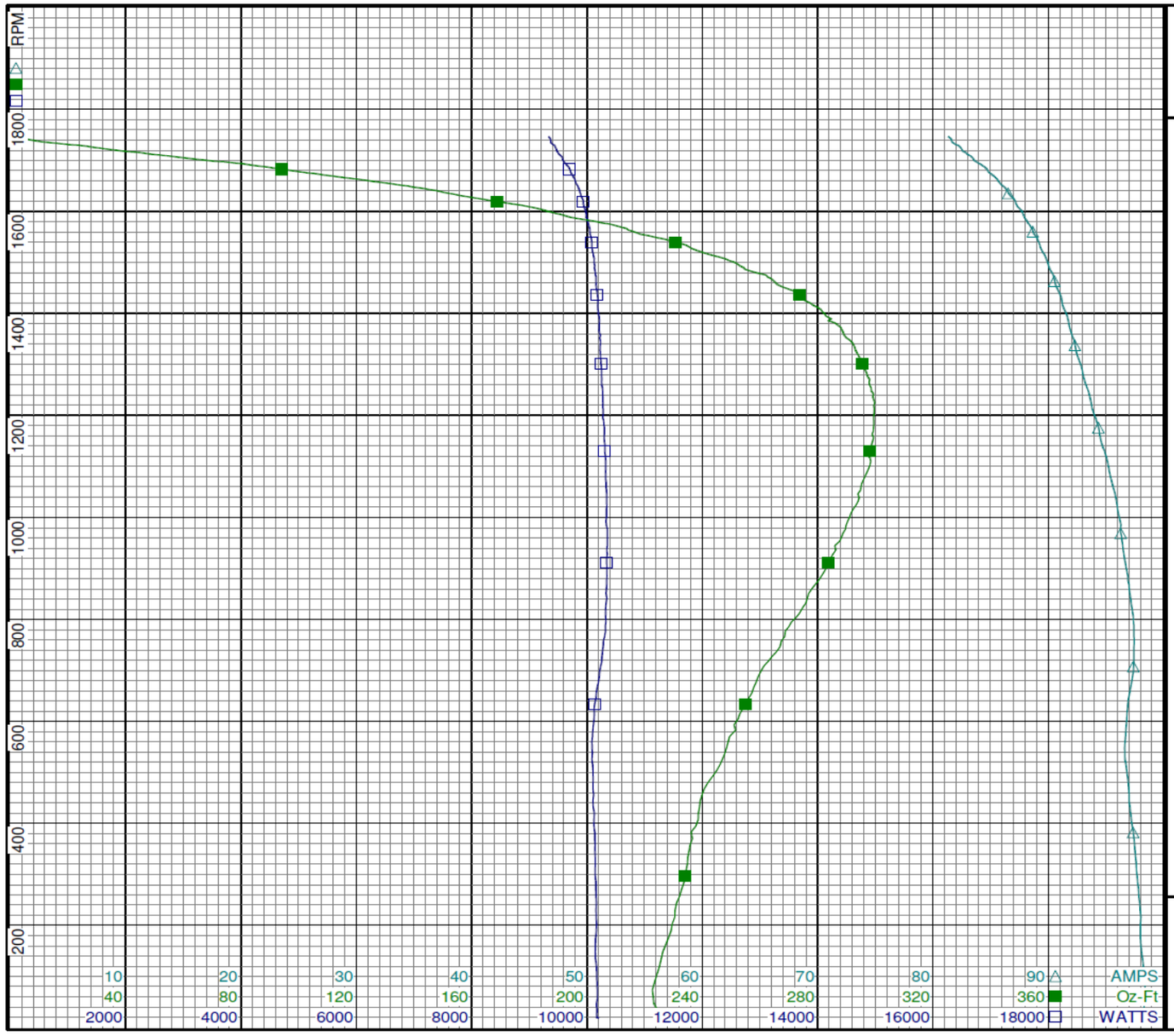
Test Conditions

Test Type:	Start	Run Cap:	0
Test Number:	5	Start Cap:	780µfd
Poles:	4	Environment:	21.1 Deg C 55 % RH 992 hPa
Volts:	115	Tested:	8/1/2012 10:36:02 AM
Hz:	60	Tested By:	Sharp, Gerald
Rotation:		Gear Ratio:	1:1
Special Cond:	3 Line	Bearing Friction:	-1.12 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
	115.0	102.7	125.1	98.38	86.63	34.47	10186	18	224.0	0.049	0.4	90.0	730.5
	115.0	103.1	124.8	98.32	86.42	34.34	10166	46	223.2	0.123	0.9	89.9	730.2
PUT OZ-FT	**115.0**	**103.7**	**124.2**	**98.39**	**86.35**	**34.19**	**10175**	**74**	**222.7**	**0.195**	**1.4**	**89.9**	**730.2**
	115.0	105.0	122.3	97.98	85.19	33.64	10160	189	229.1	0.515	3.8	90.2	729.7
	115.0	107.2	119.9	97.61	83.91	32.97	10145	322	234.9	0.899	6.6	90.4	729.2
	115.0	109.2	117.7	97.00	82.41	32.29	10100	444	239.3	1.265	9.3	90.5	728.0
	115.0	112.1	115.0	96.66	81.05	31.47	10085	559	248.9	1.658	12.3	90.7	726.2
	115.0	116.6	113.4	97.13	79.90	30.99	10172	666	257.7	2.043	15.0	91.1	724.8
	115.0	121.8	113.1	97.42	78.27	30.97	10302	766	268.5	2.449	17.7	92.0	726.1
	115.0	125.9	112.6	97.02	76.28	30.81	10336	859	277.9	2.842	20.5	92.6	725.7
	115.0	130.1	111.9	96.45	74.25	30.64	10350	944	285.9	3.213	23.2	93.3	726.0
	115.0	134.6	111.4	95.96	72.14	30.52	10341	1023	293.3	3.573	25.8	93.7	726.9
	115.0	139.1	111.0	95.24	70.05	30.42	10325	1096	297.7	3.884	28.1	94.3	726.7
	115.0	143.9	110.9	94.45	67.94	30.41	10299	1163	298.9	4.137	30.0	94.8	727.0
	115.0	148.8	111.2	93.72	65.90	30.51	10277	1224	299.8	4.370	31.7	95.3	728.1
	115.0	154.3	111.8	92.99	63.91	30.75	10252	1281	297.1	4.531	33.0	95.9	729.6
	115.0	159.6	113.2	92.35	62.03	31.14	10226	1333	292.9	4.647	33.9	96.3	729.8
	115.0	165.6	115.0	91.77	60.24	31.72	10212	1381	286.0	4.702	34.3	96.8	731.6
	115.0	171.4	117.2	91.16	58.55	32.42	10188	1424	275.7	4.674	34.2	97.2	733.5
	115.0	177.3	119.9	90.54	56.97	33.25	10159	1464	264.7	4.612	33.9	97.6	735.5
	115.0	183.1	123.0	89.93	55.48	34.21	10121	1500	250.9	4.481	33.0	97.9	738.0
	115.0	189.0	126.4	89.26	54.00	35.34	10084	1533	234.3	4.278	31.6	98.2	741.4
	115.0	194.7	130.2	88.64	52.65	36.58	10048	1563	214.4	3.990	29.6	98.6	745.2
	115.0	200.2	134.3	87.87	51.26	37.91	9987	1591	192.6	3.647	27.2	98.8	748.9
	115.0	205.5	138.5	87.18	50.02	39.34	9931	1617	171.3	3.297	24.8	99.1	753.2
	115.0	210.8	142.9	86.44	48.79	40.86	9872	1641	147.5	2.880	21.8	99.3	758.4
	115.0	215.8	147.0	85.55	47.66	42.32	9786	1663	120.2	2.380	18.1	99.5	763.8
	115.0	220.3	151.1	84.67	46.52	43.84	9697	1683	94.0	1.883	14.5	99.6	769.6
	115.0	224.4	155.1	83.51	45.28	45.33	9576	1702	64.1	1.299	10.1	99.7	775.2
	115.0	229.0	159.3	82.47	44.17	46.93	9465	1722	33.1	0.679	5.4	99.8	781.4
	115.0	232.5	163.0	81.60	43.34	48.28	9368	1740	6.6	0.136	1.1	99.8	785.8
	115.0	233.2	163.8	81.33	43.00	48.62	9337	1746	0.0	0.000	0.0	99.8	787.5

Performance Data

6K826BG	REV. -



Curve Descriptions:

Motor(1) Test 5 Start 115V 60 Hz 4P
3 Line

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

Motor Ratings:

(1) C063JFF1312 6K826BG

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

Performance Data

6K826BG	REV. -

Dayton Manufacturing Company

Motor Description

Model:	C063JFF1312	6K826BG
Motor ID:	1	
Poles:	4	
Volts:	115/230	
Frequency:	60	
HP:	1.5	
Speed:	1725	
Phase:	1	
Protector:	CEJ49CX	

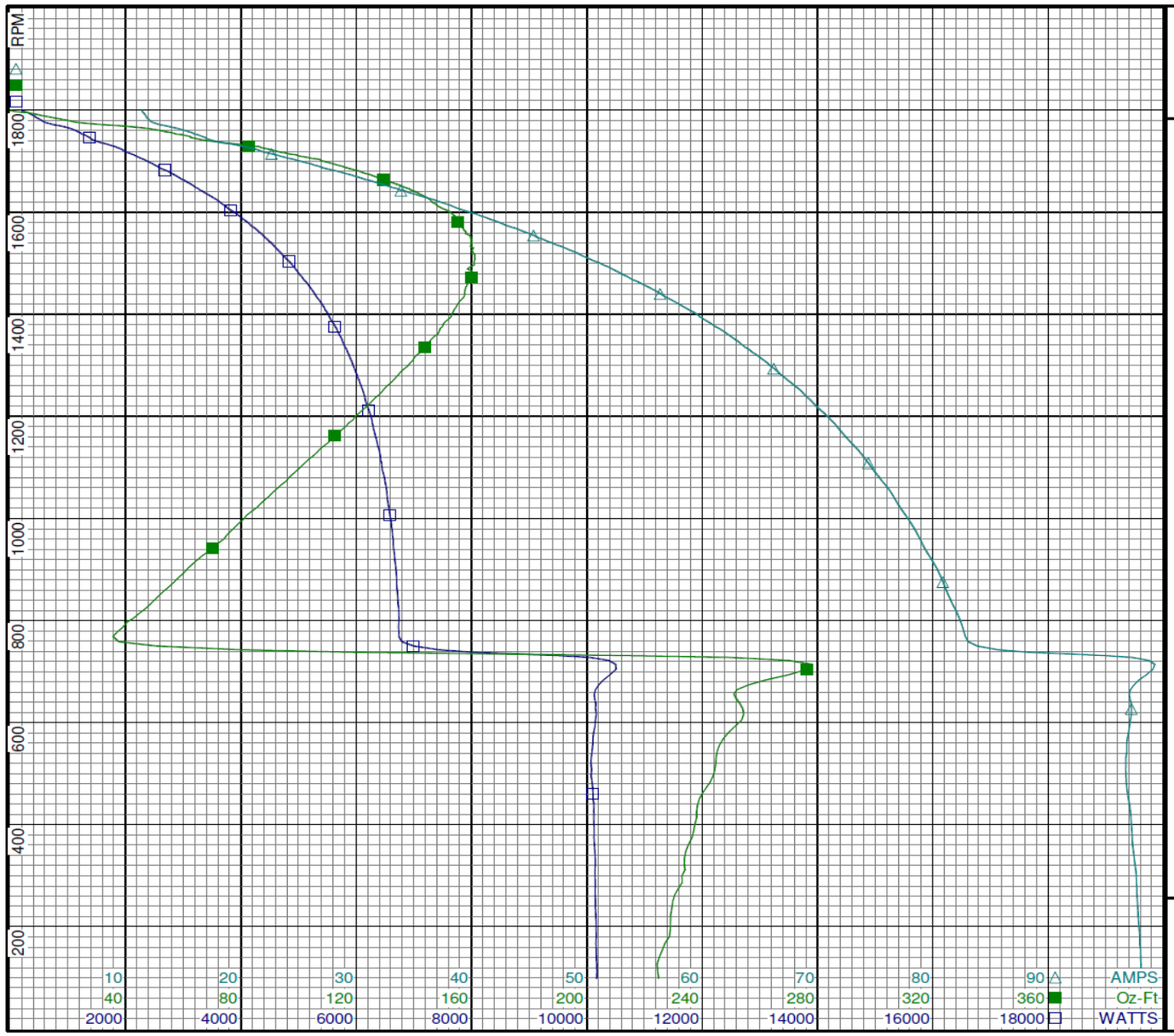
Test Conditions

Test Type:	Run		Run Cap:	0	
Test Number:	6		Start Cap:	780µfd	
Poles:	4		Environment:	20.8 Deg C	55 % RH 993 hPa
Volts:	115		Tested:	8/1/2012 10:05:38 AM	
Hz:	60		Tested By:	Sharp, Gerald	
Rotation:			Gear Ratio:	1:1	
Special Cond:	2 Line		Bearing Friction:	-0.80 Oz-Ft	
Speed Conn:			Windage Torque:	-2.40 Oz-Ft	
TestBoard:	Amtps Performance	Fixture #2			

Special Points	Vline(V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)
	115.0	11.40	198	1799	0.0	0.000	0.0	15.1
	115.0	12.00	516	1781	18.2	0.386	55.9	37.4
	115.0	14.30	1011	1765	46.1	0.969	71.5	61.5
	115.0	16.87	1369	1746	62.4	1.297	70.7	70.6
73.04 OZ-FT	**115.0**	**18.28**	**1557**	**1736**	**73.0**	**1.510**	**72.3**	**74.1**
1.5 HP	**115.0**	**18.21**	**1548**	**1737**	**72.5**	**1.500**	**72.3**	**73.9**
84 OZ-FT	**115.0**	**20.05**	**1784**	**1729**	**84.0**	**1.729**	**72.3**	**77.3**
1.725 HP	**115.0**	**20.03**	**1781**	**1729**	**83.8**	**1.725**	**72.3**	**77.3**
	115.0	20.70	1858	1726	87.0	1.788	71.8	78.1
1725 RPM	**115.0**	**20.94**	**1888**	**1725**	**88.1**	**1.808**	**71.5**	**78.4**
	115.0	24.18	2269	1705	104.7	2.124	69.8	81.6
	115.0	27.83	2672	1683	119.2	2.389	66.7	83.5
	115.0	31.54	3060	1659	131.7	2.602	63.4	84.4
	115.0	35.39	3449	1633	142.9	2.777	60.1	84.7
	115.0	39.20	3818	1604	151.2	2.887	56.4	84.7
	115.0	43.02	4173	1574	156.2	2.926	52.3	84.4
	115.0	46.91	4521	1540	159.9	2.932	48.4	83.8
BDT OZ-FT	**115.0**	**49.50**	**4723**	**1516**	**161.1**	**2.907**	**45.9**	**83.0**
	115.0	50.63	4830	1504	161.0	2.883	44.5	82.9
	115.0	54.30	5114	1465	159.2	2.776	40.5	81.9
	115.0	57.77	5388	1423	155.5	2.633	36.5	81.1
	115.0	61.14	5634	1376	149.9	2.454	32.5	80.1
	115.0	64.36	5849	1325	142.2	2.243	28.6	79.0
	115.0	67.40	6045	1271	132.9	2.010	24.8	78.0
	115.0	70.24	6212	1212	122.2	1.763	21.2	76.9
	115.0	72.89	6362	1148	110.2	1.507	17.7	75.9
	115.0	75.36	6488	1080	96.7	1.243	14.3	74.9
	115.0	77.62	6584	1006	81.9	0.982	11.1	73.8
	115.0	79.67	6661	927	66.6	0.735	8.2	72.7
	115.0	81.52	6719	841	50.2	0.502	5.6	71.7
	115.0	83.85	6994	750	50.8	0.453	4.8	72.5
	115.0	97.87	10285	683	261.9	2.129	15.4	91.4
	115.0	96.97	10117	581	249.3	1.724	12.7	90.7
	115.0	96.89	10107	461	240.0	1.317	9.7	90.7
	115.0	97.45	10144	336	233.9	0.935	6.9	90.5
	115.0	97.84	10160	208	229.0	0.567	4.2	90.3

Performance Data

6K826BG	REV. -



Curve Descriptions:

Motor(1) Test 6 Run 115V 60 Hz 4P
2 Line

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

Motor Ratings:

(1) C063JFF1312 6K826BG

DRAWING NO. 6K826BG	PAGE 4 of 8	REV. -

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

Performance Data

6K826BG	REV. -

Dayton Manufacturing Company

Motor Description

Model:	C063JFF1312	6K826BG
Motor ID:	1	
Poles:	4	
Volts:	115/230	
Frequency:	60	
HP:	1.5	
Speed:	1725	
Phase:	1	
Protector:	CEJ49CX	

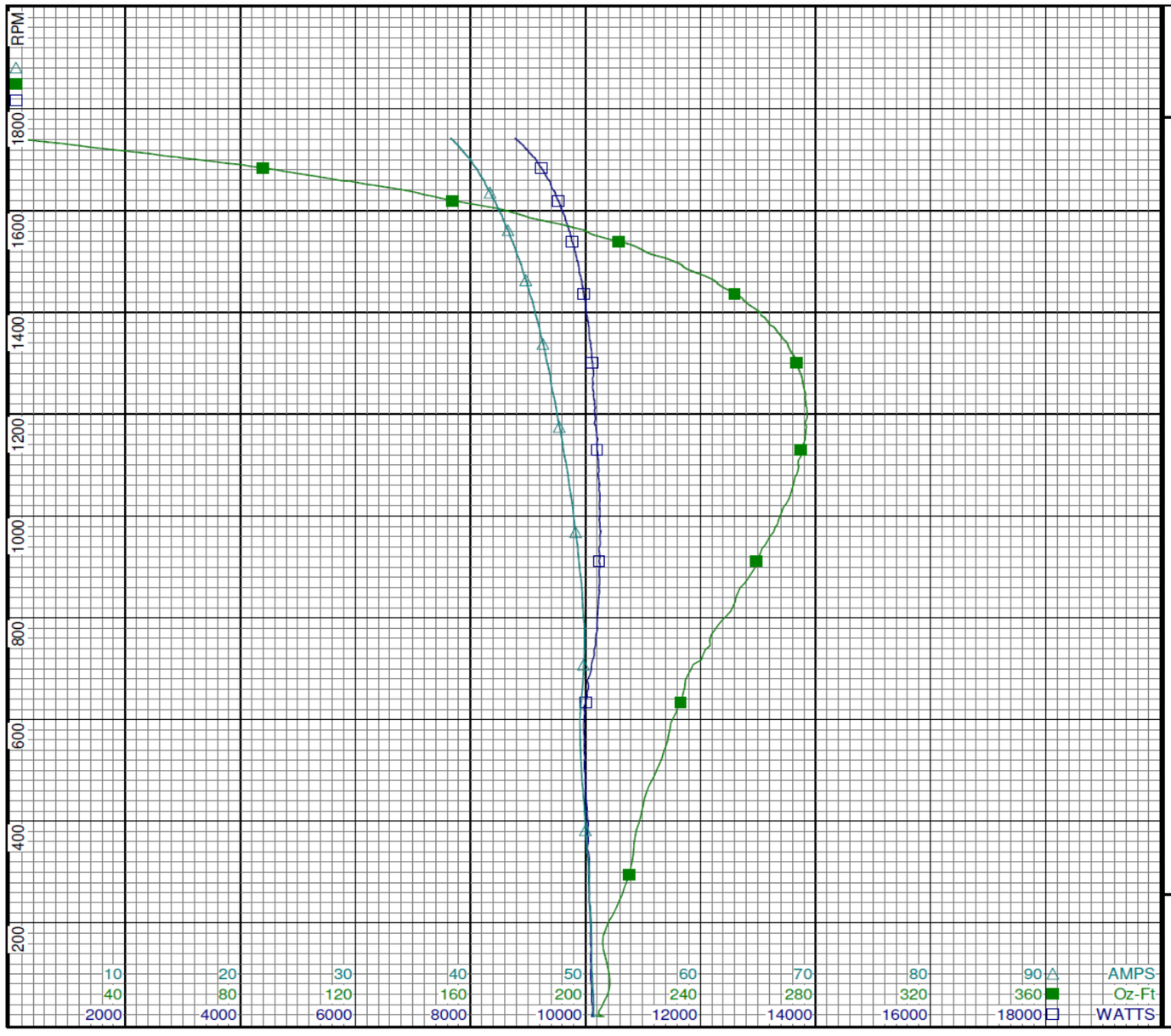
Test Conditions

Test Type:	Start	Run Cap:	0
Test Number:	13	Start Cap:	780µfd
Poles:	4	Environment:	20.8 Deg C 53 % RH 991 hPa
Volts:	230	Tested:	7/31/2012 2:41:55 PM
Hz:	60	Tested By:	Sharp, Gerald
Rotation:		Gear Ratio:	1:1
Special Cond:	3 Line	Bearing Friction:	-0.96 Oz-Ft
Speed Conn:		Windage Torque:	-2.24 Oz-Ft
TestBoard:	Amtps Performance	Fixture #2	

Special Points PUT OZ-FT	Vline(V)	Vaux(V)	Vcap(V)	Iline(A)	Imain(A)	Iaux(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)	Cap
	230.0	**192.0**	**113.7**	**50.83**	**43.57**	**31.40**	**10129**	**17**	**203.9**	**0.041**	**0.3**	**86.6**	**732.4**
	230.0	192.0	113.7	50.83	43.57	31.40	10129	17	203.9	0.041	0.3	86.6	732.4
	230.0	192.2	113.2	50.69	43.33	31.25	10107	46	206.6	0.114	0.8	86.7	732.4
	230.0	195.8	111.2	50.49	42.15	30.67	10092	188	207.0	0.463	3.4	86.9	731.3
	230.0	199.2	109.2	50.21	40.86	30.07	10064	321	216.2	0.827	6.1	87.1	730.2
	230.0	202.6	107.1	49.83	39.52	29.45	10009	444	220.5	1.165	8.7	87.3	729.0
	230.0	207.0	104.4	49.55	38.12	28.64	9976	558	228.5	1.519	11.4	87.5	727.8
	230.0	213.0	102.8	49.74	36.51	28.19	10054	665	234.5	1.856	13.8	87.9	727.3
	230.0	218.8	103.2	49.91	34.56	28.28	10181	766	243.8	2.224	16.3	88.7	727.2
	230.0	223.9	103.2	49.67	32.52	28.31	10236	859	253.7	2.595	18.9	89.6	727.8
	230.0	228.8	102.9	49.29	30.52	28.24	10255	943	262.6	2.949	21.5	90.5	728.1
	230.0	233.7	102.9	48.84	28.46	28.23	10241	1023	269.7	3.284	23.9	91.2	727.7
	230.0	238.8	102.9	48.35	26.37	28.27	10225	1096	274.1	3.576	26.1	91.9	728.5
	230.0	244.0	103.2	47.85	24.30	28.35	10195	1162	276.6	3.828	28.0	92.6	728.7
	230.0	249.3	103.8	47.35	22.26	28.55	10159	1224	276.6	4.031	29.6	93.3	729.6
	230.0	254.7	104.8	46.88	20.22	28.87	10136	1281	274.7	4.188	30.8	94.0	730.6
	230.0	260.1	106.3	46.36	18.25	29.32	10089	1334	270.5	4.294	31.8	94.6	731.4
	230.0	265.7	108.2	45.86	16.43	29.89	10043	1381	263.7	4.334	32.2	95.2	733.1
	230.0	271.3	110.3	45.35	14.78	30.58	9991	1424	255.0	4.322	32.3	95.8	735.3
	230.0	276.7	112.9	44.83	13.35	31.39	9927	1464	244.5	4.260	32.0	96.3	737.4
	230.0	282.0	115.8	44.30	12.26	32.31	9864	1499	231.0	4.123	31.2	96.8	740.3
	230.0	287.0	118.9	43.76	11.55	33.31	9786	1532	215.9	3.938	30.0	97.2	743.2
	230.0	292.0	122.4	43.23	11.28	34.41	9708	1564	197.8	3.682	28.3	97.6	745.6
	230.0	296.7	125.8	42.70	11.45	35.56	9627	1591	177.6	3.364	26.1	98.0	750.0
	230.0	301.3	129.5	42.14	12.00	36.80	9539	1617	156.2	3.007	23.5	98.4	753.9
	230.0	305.5	133.2	41.59	12.83	38.05	9436	1640	136.4	2.664	21.1	98.7	757.5
	230.0	309.9	137.3	41.03	13.98	39.45	9336	1663	110.7	2.192	17.5	98.9	762.4
	230.0	314.2	141.2	40.47	15.27	40.83	9239	1684	87.7	1.758	14.2	99.2	767.3
	230.0	317.9	144.8	39.89	16.68	42.18	9123	1703	59.8	1.212	9.9	99.4	772.6
	230.0	321.1	148.7	39.13	18.30	43.63	8956	1722	31.4	0.644	5.4	99.5	778.0
	230.0	323.9	152.0	38.36	19.67	44.90	8792	1740	3.1	0.064	0.5	99.6	783.6
	230.0	324.1	152.3	38.26	19.82	45.03	8772	1742	0.0	0.000	0.0	99.7	784.3

Performance Data

6K826BG	REV. -



Curve Descriptions:

Motor(1) Test 13 Start 230V 60 Hz 4P
3 Line

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

Motor Ratings:

(1) C063JFF1312 6K826BG

DRAWING NO.	PAGE 6 of 8	REV.
	6K826BG	-

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

Performance Data

6K826BG	REV. -

Dayton Manufacturing Company

Motor Description

Model:	C063JFF1312 6K826BG
Motor ID:	1
Poles:	4
Volts:	115/230
Frequency:	60
HP:	1.5
Speed:	1725
Phase:	1
Protector:	CEJ49CX

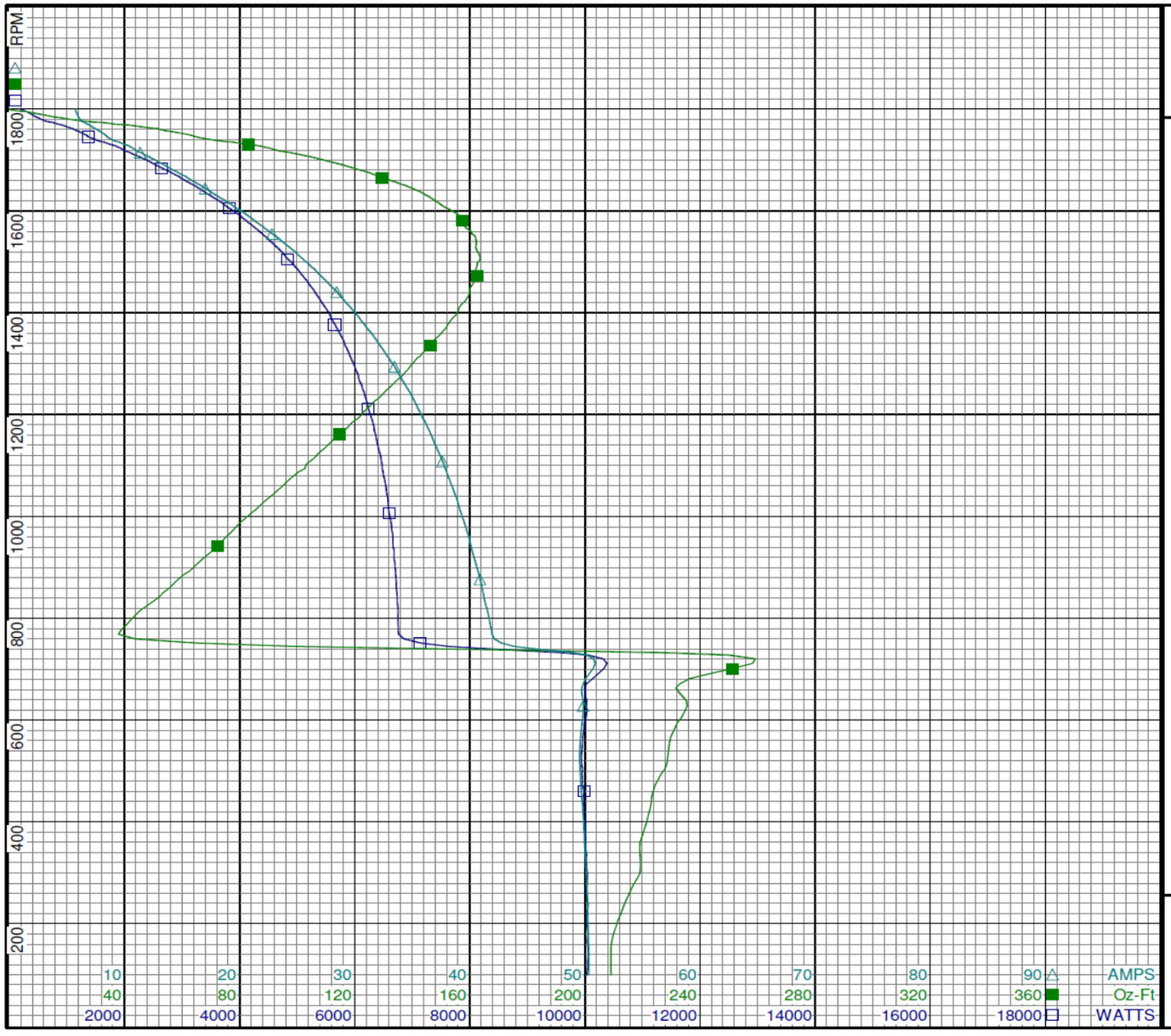
Test Conditions

Test Type:	Run	Run Cap:	0
Test Number:	14	Start Cap:	780µfd
Poles:	4	Environment:	20.7 Deg C 57 % RH 992 hPa
Volts:	230	Tested:	8/1/2012 9:03:14 AM
Hz:	60	Tested By:	Sharp, Gerald
Rotation:		Gear Ratio:	1:1
Special Cond:	2 Line	Bearing Friction:	-0.80 Oz-Ft
Speed Conn:		Windage Torque:	-2.40 Oz-Ft
TestBoard:	Amtps Performance	Fixture #2	

Special Points	Vline(V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)
	230.0	5.72	191	1799	0.0	0.000	0.0	14.5
	230.0	6.06	521	1781	19.2	0.407	58.3	37.4
	230.0	7.20	1004	1765	46.3	0.972	72.2	60.7
	230.0	8.46	1368	1746	64.5	1.340	73.1	70.3
73.04 OZ-FT	**230.0**	**9.14**	**1548**	**1737**	**73.0**	**1.511**	**72.8**	**73.6**
1.5 HP	**230.0**	**9.10**	**1537**	**1738**	**72.5**	**1.500**	**72.8**	**73.5**
84 OZ-FT	**230.0**	**10.08**	**1775**	**1730**	**84.0**	**1.730**	**72.7**	**76.6**
1.725 HP	**230.0**	**10.06**	**1770**	**1730**	**83.8**	**1.725**	**72.7**	**76.5**
	230.0	10.37	1842	1727	86.7	1.783	72.2	77.2
1725 RPM	**230.0**	**10.55**	**1887**	**1725**	**88.8**	**1.823**	**72.1**	**77.8**
	230.0	12.08	2251	1706	104.3	2.120	70.3	81.0
	230.0	13.91	2651	1684	119.6	2.397	67.5	82.8
	230.0	15.82	3048	1660	132.4	2.616	64.0	83.8
	230.0	17.75	3437	1633	144.0	2.799	60.7	84.2
	230.0	19.72	3817	1605	151.9	2.903	56.7	84.2
	230.0	21.64	4177	1575	158.0	2.961	52.9	83.9
	230.0	23.61	4525	1541	162.2	2.975	49.1	83.3
BDT OZ-FT	**230.0**	**25.48**	**4836**	**1505**	**163.5**	**2.929**	**45.2**	**82.5**
	230.0	25.48	4836	1505	163.5	2.929	45.2	82.5
	230.0	27.36	5142	1465	161.9	2.824	41.0	81.7
	230.0	29.14	5411	1423	158.3	2.680	37.0	80.7
	230.0	30.83	5654	1377	152.3	2.495	32.9	79.7
	230.0	32.48	5873	1326	144.8	2.286	29.0	78.6
	230.0	34.03	6066	1271	135.5	2.050	25.2	77.5
	230.0	35.47	6237	1212	124.5	1.796	21.5	76.5
	230.0	36.83	6381	1148	112.2	1.533	17.9	75.3
	230.0	38.07	6498	1080	98.9	1.271	14.6	74.2
	230.0	39.23	6596	1006	84.0	1.006	11.4	73.1
	230.0	40.26	6679	927	69.2	0.763	8.5	72.1
	230.0	41.23	6733	841	51.8	0.519	5.7	71.0
	230.0	42.70	7134	751	64.3	0.575	6.0	72.6
	230.0	50.05	10131	681	236.4	1.916	14.1	88.0
	230.0	49.67	9982	580	230.9	1.594	11.9	87.4
	230.0	49.67	9986	461	223.8	1.228	9.2	87.4
	230.0	50.02	10023	335	219.1	0.875	6.5	87.1
	230.0	50.23	10031	207	211.5	0.521	3.9	86.8

Performance Data

6K826BG	REV. -



Dayton

Curve Descriptions:

Motor(1) Test 14 Run 230V 60 Hz 4P
2 Line

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

Motor Ratings:

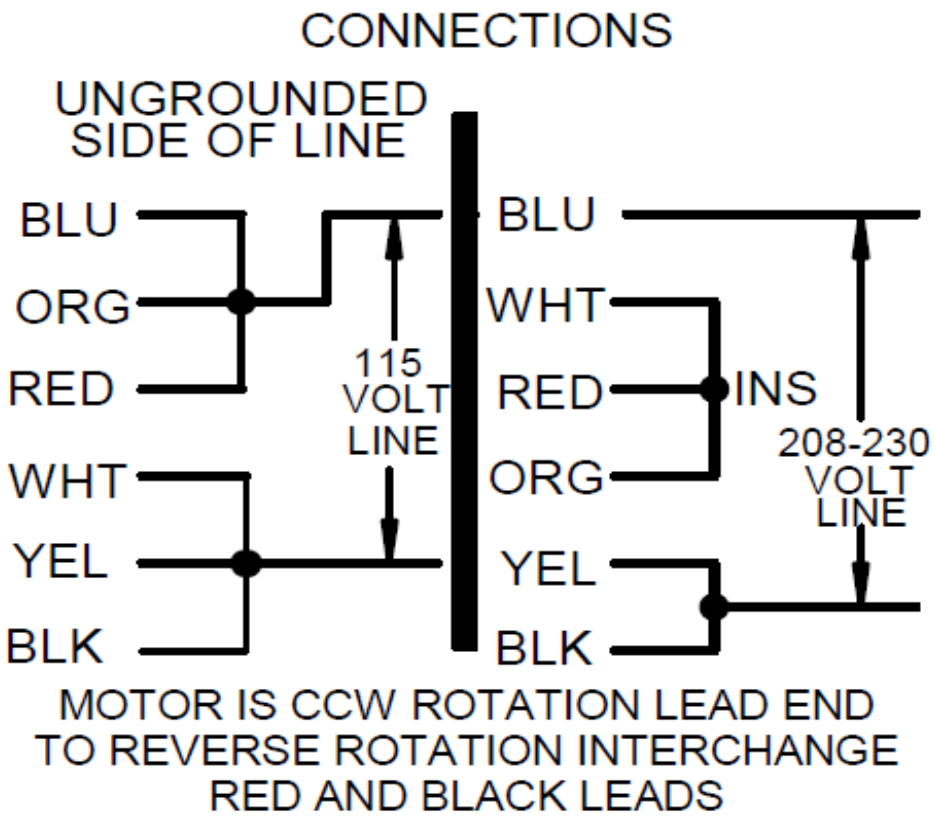
(1) C063JFF1312 6K826BG

DRAWING NO.	PAGE 8 of 8	REV.
	6K826BG	-

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

Wiring Diagram

6K826BG	REV. -



DRAWING NO.	PAGE 1 of 1	REV.
6K826BG		-

Dayton®

CAP START GENERAL PURPOSE

Part No 6K826BG

HP: 1 1/2
VOLTS: 115/208-230
AMPS: 19.2/10.0-9.6
RPM: 1725
DUTY: CONT
SF: 1.15
KVA CODE: J
ENCL: ODP

PH: 1
HZ: 60
FR: 145T
INS CL: B
AMB: 40 °C
SFA: 20.4/10.0-10.2

THERMALLY PROTECTED: NONE

MFG. NO. [ ] [ ] PROT. CODE : [ ] [ ] AVG. F.L. EFF.

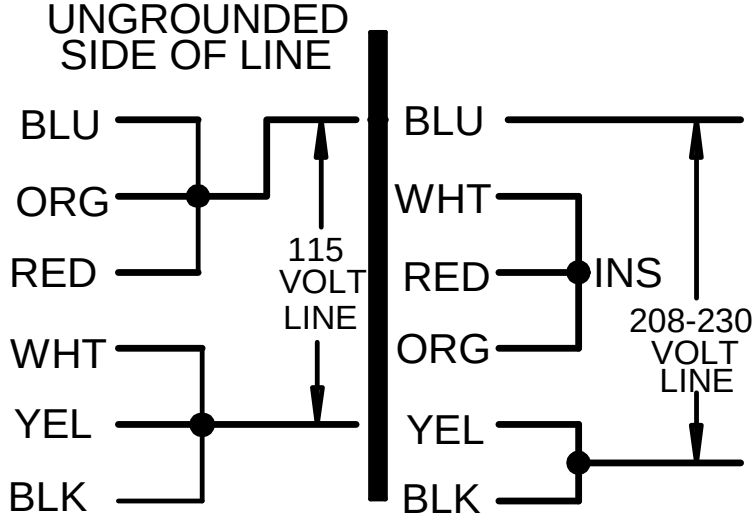
MTR REF: C63JFF-1312
S.F. AT 208 VOLTS IS 1.0

E47479

258501

Disconnect Power Before Making Any Electrical Connections or Changes

CONNECTIONS



MOTOR IS CCW ROTATION LEAD END
TO REVERSE ROTATION INTERCHANGE
RED AND BLACK LEADS

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