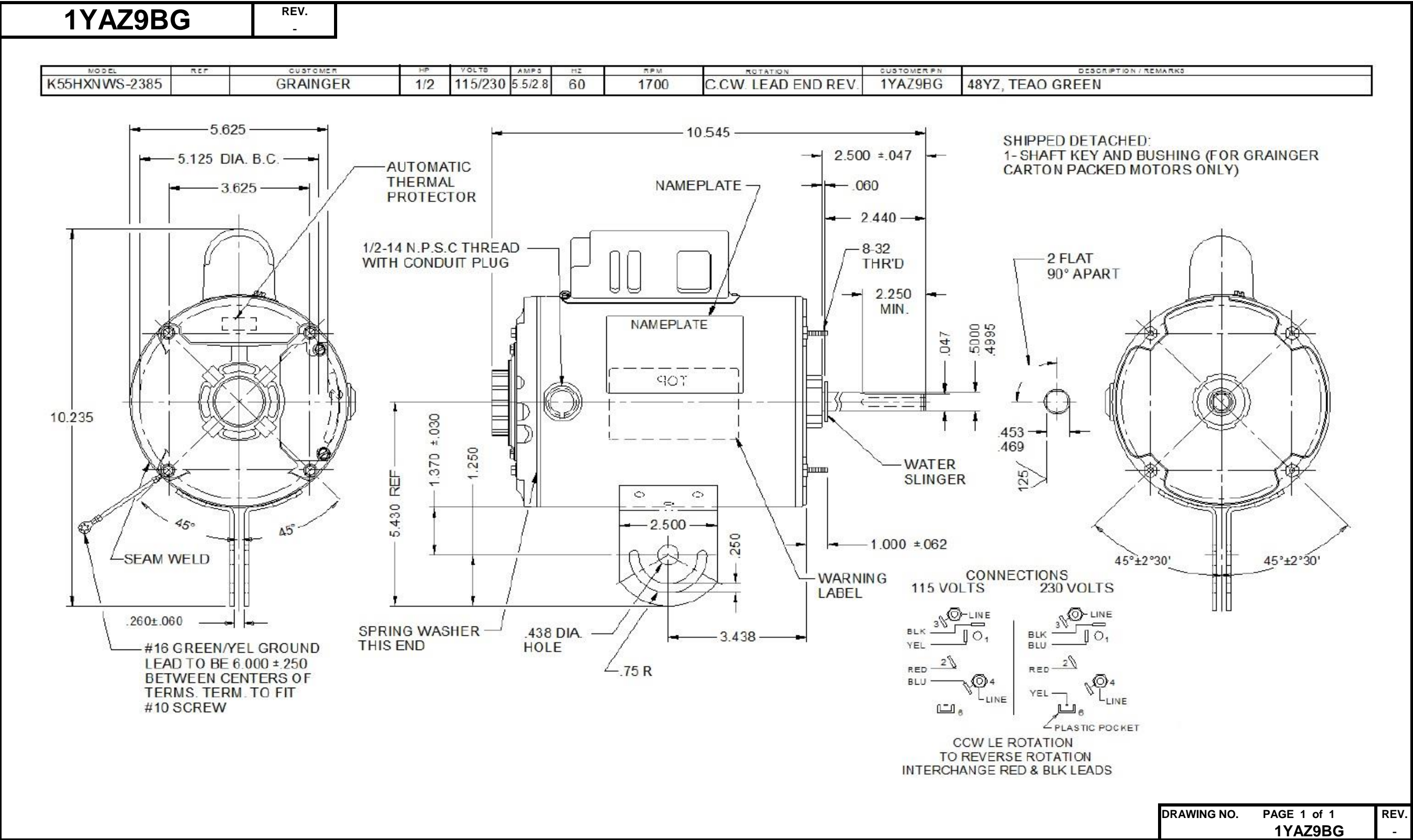


Dimensional Drawing



# Performance Data



**1YAZ9BG**

REV.  
X

## SHADED-POLE & PSC MOTOR PERFORMANCE

HP:	1/2							
Poles:	4							
Ambient (°C):	40							
Altitude (FASL):								
No. of Speeds:	1							
HIGH SPEED								
Volts:	115/230	115	230					
HZ:	60	60	60					
Service Factor:	1							
Efficiency:	@ Rated Load	69.8	69.6					
Power Factor:	@ Rated Load	85.4	85.2					
Amps:	@ No Load							
	@ Rated Load	5.48	2.756					
	@ Locked Rotor	27.48	13.718					
RPM:	@ Rated Load	1720	1718					
Torques:	Breakdown	66.03	66.3					
	Locked Rotor	10.72	11.88					
	Pull-Up	10.67	11.65					
	Rated Load	24.7	24.7					
	Service Factor	24.7	24.7					
Watts:	Rated Load	540	541					
Temperature Rise:	@ Rated Load	TEAO	TEAO					
Thermal Protector:	Trip Temp (°C)	-	-					
Winding Material:	Start (Auxiliary)	Cu	Cu					
	Run (Main)	Cu	Cu					
Capacitor(s):	Run (MFD / Volts)	20 mFd, 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 2  
1YAZ9BG

REV.  
X

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

# Performance Data



**1YAZ9BG**

REV.  
-

## Dayton Manufacturing Company

### Motor Description

Model: K055NWS2385 1YAZ9BG  
Motor ID: 1  
Poles: 4  
Volts: 115/230  
Frequency: 60  
HP: 1/2  
Speed: 1700  
Phase: 1  
Protector: 7AM036-A5

### Test Conditions

Test Type: Start  
Test Number: 15  
Poles: 4  
Volts: 115  
Hz: 60  
Rotation: CCW  
Special Cond:  
Speed Conn:  
TestBoard: Amtps Performance Fixture #4  
Run Cap: 20  
Start Cap: 0µfd  
Environment: 22.2 Deg C 20 % RH 995 hPa  
Tested: 2/23/2016 8:31:26 AM  
Tested By: Sharp, Gerald  
Gear Ratio: 1:1  
Bearing Friction: -0.16 Oz-Ft  
Windage Torque: -2.37 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	115.0	25.2	125.9	27.48	27.88	1.003	2518	2	10.72	0.000	0.0	79.7	21.1
	115.0	25.3	125.5	27.41	27.82	1.002	2518	6	10.67	0.001	0.0	79.9	21.2
	115.0	25.8	125.5	27.39	27.79	1.000	2515	16	11.23	0.002	0.1	79.8	21.1
	115.0	31.9	122.3	27.34	27.67	0.974	2511	151	16.69	0.030	0.9	79.9	21.1
	115.0	41.7	119.5	26.98	27.20	0.942	2488	327	25.30	0.098	2.9	80.2	20.9
	115.0	53.5	119.4	26.37	26.50	0.934	2443	492	32.51	0.191	5.8	80.6	20.7
	115.0	60.3	120.6	25.83	25.92	0.945	2400	626	35.52	0.265	8.2	80.8	20.8
	115.0	65.8	119.2	25.28	25.31	0.964	2369	733	38.21	0.334	10.5	81.5	21.4
	115.0	75.4	119.8	24.42	24.36	0.992	2322	842	44.75	0.449	14.4	82.7	22.0
	115.0	86.1	122.8	23.50	23.27	1.023	2261	945	50.77	0.571	18.8	83.7	22.1
	115.0	96.8	127.3	22.40	22.08	1.065	2183	1038	55.92	0.691	23.6	84.7	22.2
	115.0	106.7	132.7	21.33	20.93	1.109	2099	1117	59.53	0.792	28.1	85.6	22.2
	115.0	116.2	138.7	20.23	19.75	1.156	2010	1188	61.99	0.877	32.5	86.4	22.1
	115.0	125.1	145.2	19.15	18.60	1.197	1919	1250	63.65	0.947	36.8	87.2	21.9
	115.0	133.9	151.7	18.09	17.47	1.246	1831	1306	64.38	1.001	40.8	88.0	21.8
	115.0	142.8	159.5	16.92	16.23	1.300	1724	1362	64.11	1.039	45.0	88.6	21.6
	115.0	151.2	166.9	15.81	15.06	1.352	1622	1408	63.28	1.061	48.8	89.2	21.5
	115.0	159.0	174.3	14.76	13.95	1.403	1522	1450	61.79	1.067	52.3	89.7	21.4
	115.0	166.8	182.0	13.67	12.80	1.455	1417	1490	59.64	1.058	55.7	90.1	21.2
	115.0	174.0	189.4	12.61	11.72	1.505	1313	1525	57.13	1.037	58.9	90.5	21.1
12.26 AMPS	115.0	176.5	192.0	12.26	11.35	1.522	1277	1537	55.96	1.024	59.8	90.5	21.0
	115.0	181.2	196.8	11.50	10.64	1.555	1198	1558	53.82	0.998	62.1	90.6	21.0
	115.0	187.8	204.1	10.51	9.61	1.601	1096	1588	50.31	0.951	64.7	90.7	20.8
	115.0	194.5	211.6	9.51	8.58	1.650	990	1616	46.11	0.887	66.9	90.6	20.7
	115.0	201.0	218.9	8.54	7.60	1.697	887	1642	41.39	0.809	68.1	90.3	20.6
	115.0	206.5	225.7	7.66	6.73	1.738	789	1665	36.97	0.733	69.3	89.5	20.4
	115.0	212.5	232.7	6.78	5.87	1.783	690	1688	32.13	0.646	69.8	88.6	20.3
	115.0	218.1	239.7	5.95	5.11	1.824	594	1709	26.88	0.547	68.7	86.7	20.2
	115.0	223.7	247.0	5.14	4.44	1.871	495	1728	21.28	0.438	66.0	83.7	20.1
	115.0	229.7	254.4	4.43	3.93	1.921	404	1747	15.85	0.329	60.9	79.3	20.0
13.56 OZ-FT	115.0	232.3	257.8	4.15	3.77	1.947	367	1755	13.56	0.283	57.6	76.8	20.0
	115.0	236.2	263.0	3.76	3.59	1.989	311	1766	9.89	0.208	50.0	71.8	20.1
	115.0	240.5	270.6	3.22	3.55	2.048	213	1783	3.57	0.076	26.5	57.6	20.1
	115.0	242.4	274.1	3.01	3.70	2.078	154	1794	0.00	0.000	0.0	44.5	20.1

DRAWING NO. PAGE 1 of 8  
1YAZ9BG

REV.  
-

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

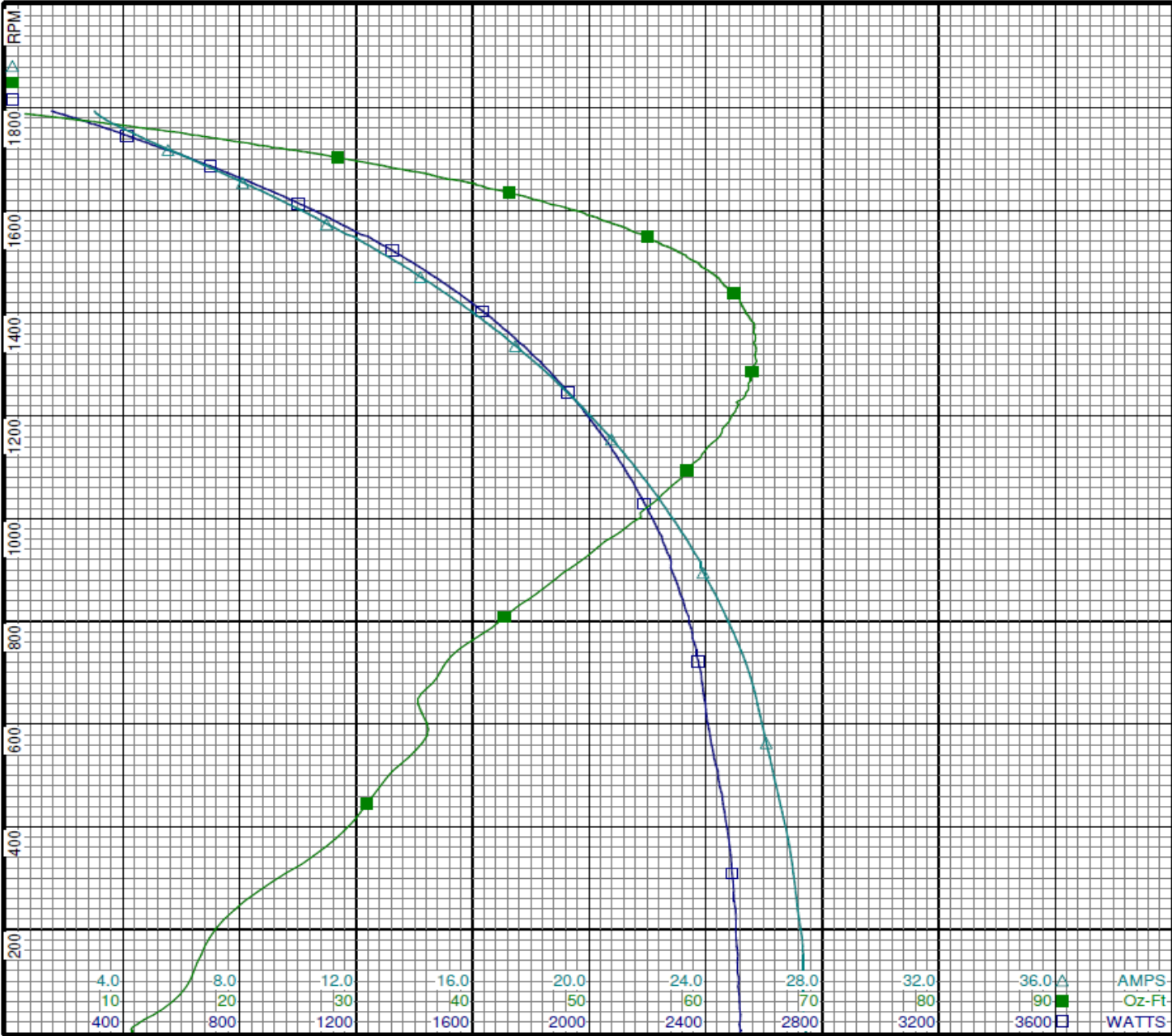


Performance Data



1YAZ9BG

REV.  
-



Curve Descriptions:  
Motor(1) Test 15 Start 115V 60 Hz 4P  
CCW 20ufd Run  
□ SPEED vs WATTS  
■ SPEED vs TORQUE  
△ SPEED vs ILine

Motor Ratings:  
(1) K055NWS2385 1YAZ9BG

# Performance Data



1YAZ9BG

REV.  
-

## Dayton Manufacturing Company

### Motor Description

Model: K055NWS2385 1YA79BG  
Motor ID: 1  
Poles: 4  
Volts: 115/230  
Frequency: 60  
HP: 1/2  
Speed: 1700  
Phase: 1  
Protector: 7AM036-A5

### Test Conditions

Test Type: Run  
Test Number: 13  
Poles: 4  
Volts: 115  
Hz: 60  
Rotation: CCW  
Special Cond:  
Speed Conn:  
TestBoard: Amtps Performance Fixture #4  
Run Cap: 20  
Start Cap: 0µfd  
Environment: 22.2 Deg C 20 % RH 995 hPa  
Tested: 2/23/2016 8:30:18 AM  
Tested By: Sharp, Gerald  
Gear Ratio: 1:1  
Bearing Friction: -0.63 Oz-Ft  
Windage Torque: -2.53 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
	115.0	242.6	274.4	2.95	3.64	2.079	153	1790	0.00	0.000	0.0	45.2	20.1
	115.0	240.4	270.5	3.17	3.47	2.045	215	1779	4.26	0.090	31.3	59.1	20.1
	115.0	237.4	265.1	3.57	3.50	2.005	287	1767	9.13	0.192	49.9	69.9	20.1
	115.0	232.4	257.9	4.12	3.73	1.948	366	1752	14.24	0.297	60.5	77.3	20.0
	115.0	226.4	250.1	4.79	4.15	1.890	454	1737	19.77	0.409	67.1	82.5	20.0
0.5 HP	115.0	221.7	244.2	5.43	4.65	1.851	534	1721	24.40	0.500	69.8	85.4	20.1
24.7 OZ-FT	115.0	221.4	243.8	5.48	4.69	1.848	540	1720	24.70	0.506	69.9	85.6	20.1
	115.0	220.8	242.9	5.57	4.77	1.844	551	1718	25.29	0.517	70.0	86.0	20.1
1700 RPM	115.0	215.8	236.7	6.31	5.42	1.804	638	1700	30.01	0.607	71.0	88.0	20.2
	115.0	214.8	235.4	6.47	5.56	1.796	657	1697	31.22	0.631	71.6	88.3	20.2
	115.0	208.5	227.6	7.44	6.49	1.750	768	1672	36.87	0.734	71.4	89.7	20.4
	115.0	201.6	219.4	8.54	7.59	1.700	889	1646	42.56	0.834	70.0	90.5	20.6
	115.0	192.8	209.1	9.93	9.00	1.634	1039	1609	49.03	0.939	67.5	91.0	20.7
	115.0	186.9	202.7	10.83	9.94	1.594	1134	1585	52.63	0.993	65.4	91.0	20.9
	115.0	178.0	193.2	12.25	11.32	1.532	1277	1546	57.03	1.049	61.3	90.6	21.0
	115.0	167.8	182.4	13.78	12.90	1.463	1430	1498	61.45	1.096	57.2	90.3	21.3
	115.0	157.4	172.2	15.25	14.45	1.393	1571	1446	64.13	1.104	52.4	89.6	21.5
	115.0	147.7	163.2	16.59	15.86	1.332	1697	1394	65.73	1.091	47.9	88.9	21.6
BDT OZ-FT	115.0	142.7	158.7	17.28	16.59	1.301	1759	1364	66.03	1.072	45.5	88.5	21.7
	115.0	137.9	154.4	17.93	17.28	1.271	1819	1335	65.95	1.048	43.0	88.3	21.8
	115.0	128.6	147.2	19.08	18.51	1.218	1918	1279	65.44	0.996	38.8	87.4	22.0
	115.0	119.3	140.2	20.22	19.72	1.173	2013	1217	64.21	0.930	34.5	86.6	22.2
	115.0	110.4	134.4	21.26	20.83	1.129	2095	1153	61.87	0.849	30.2	85.7	22.3
	115.0	101.6	129.2	22.22	21.86	1.088	2171	1084	58.85	0.760	26.1	84.9	22.3
	115.0	93.6	125.4	23.08	22.79	1.057	2235	1016	55.40	0.670	22.4	84.2	22.4
	115.0	85.6	122.2	23.80	23.68	1.028	2282	942	51.61	0.579	18.9	83.4	22.3
	115.0	77.8	120.1	24.52	24.46	1.005	2331	866	47.58	0.490	15.7	82.7	22.2
	115.0	68.4	120.8	25.14	25.15	0.973	2329	781	41.21	0.383	12.3	80.5	21.4
	115.0	63.0	119.1	25.77	25.84	0.961	2402	694	37.27	0.308	9.6	81.0	21.4
	115.0	58.4	120.1	26.14	26.25	0.946	2421	609	35.12	0.255	7.8	80.5	20.9
	115.0	55.5	120.2	26.37	26.50	0.938	2441	529	34.25	0.216	6.6	80.5	20.7
	115.0	50.4	119.4	26.65	26.82	0.938	2467	441	31.39	0.165	5.0	80.5	20.8
	115.0	43.1	119.2	26.94	27.17	0.951	2488	336	25.30	0.101	3.0	80.3	21.2
	115.0	35.8	120.5	27.16	27.46	0.962	2505	225	20.28	0.054	1.6	80.2	21.2
	115.0	30.0	123.5	27.27	27.62	0.991	2507	108	15.33	0.020	0.6	79.9	21.3

DRAWING NO. PAGE 3 of 8  
1YAZ9BG

REV.  
-

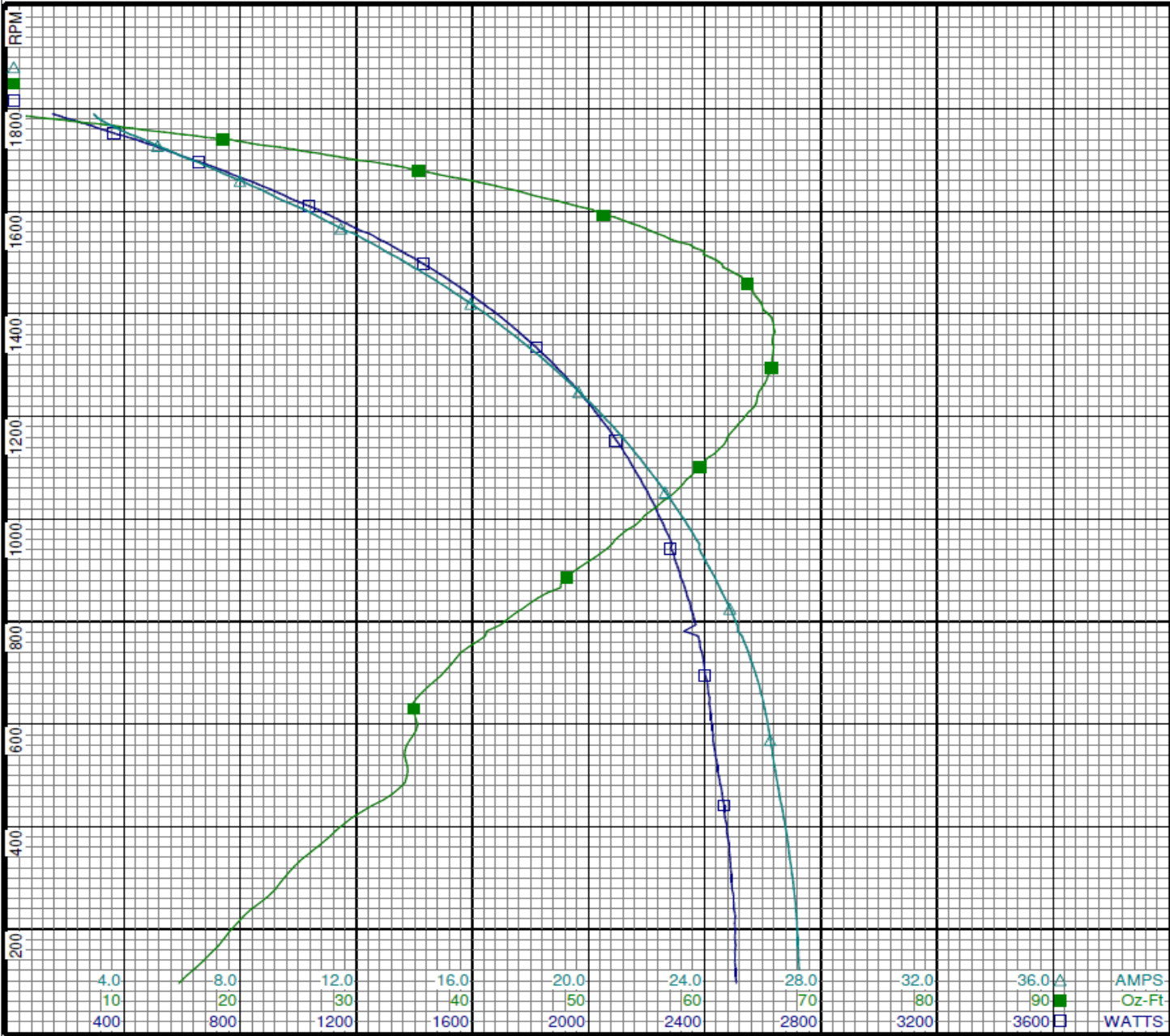
Dayton Electric Mfg. Co. Lake Forest, IL 60045 USA

Performance Data



1YAZ9BG

REV.  
-



Curve Descriptions:  
Motor(1) Test 13 Run 115V 60 Hz 4P  
CCW 20ufd Run  
□ SPEED vs WATTS  
■ SPEED vs TORQUE  
△ SPEED vs ILine

Motor Ratings:  
(1) K055NWS2385 1YAZ9BG

# Performance Data



1YAZ9BG

REV.  
-

## Dayton Manufacturing Company

### Motor Description

Model: K055NWS2385 1YAZ9BG  
Motor ID: 1  
Poles: 4  
Volts: 115/230  
Frequency: 60  
HP: 1/2  
Speed: 1700  
Phase: 1  
Protector: 7AM036-A5

### Test Conditions

Test Type: Start  
Test Number: 16  
Poles: 4  
Volts: 230  
Hz: 60  
Rotation: CCW  
Special Cond:  
Speed Conn:  
TestBoard: Amtps Performance Fixture #4  
Run Cap: 20  
Start Cap: 0µfd  
Environment: 22.3 Deg C 23 % RH 993 hPa  
Tested: 2/23/2016 11:55:51 AM  
Tested By: Sharp, Gerald  
Gear Ratio: 1:1  
Bearing Friction: -0.38 Oz-Ft  
Windage Torque: -2.53 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	112.1	124.8	13.718	14.155	0.992	2519	2	11.88	0.000	0.0	79.9	21.1
	230.0	112.3	124.8	13.687	14.120	0.990	2516	7	11.65	0.001	0.0	79.9	21.0
	230.0	112.9	124.5	13.680	14.107	0.989	2519	17	12.32	0.003	0.1	80.1	21.1
	230.0	120.6	120.4	13.680	14.029	0.955	2520	161	19.00	0.037	1.1	80.1	21.0
	230.0	130.2	118.3	13.469	13.717	0.934	2492	338	25.08	0.101	3.0	80.4	20.9
12.26 AMPS	230.0	138.5	119.3	13.164	13.315	0.926	2446	501	35.56	0.212	6.5	80.8	20.6
	230.0	143.5	120.3	12.894	13.000	0.944	2400	631	37.42	0.281	8.7	80.9	20.8
	230.0	149.9	119.4	12.602	12.655	0.962	2370	738	40.08	0.352	11.1	81.8	21.4
	230.0	156.8	120.0	12.260	12.244	0.986	2330	823	44.74	0.438	14.0	82.6	21.8
	230.0	158.6	120.5	12.160	12.126	0.992	2315	846	46.06	0.464	14.9	82.8	21.8
	230.0	167.3	123.9	11.637	11.510	1.027	2243	948	52.28	0.590	19.6	83.8	22.0
	230.0	175.6	128.8	11.095	10.879	1.069	2162	1040	57.09	0.707	24.4	84.7	22.0
	230.0	183.5	134.4	10.550	10.249	1.115	2081	1119	60.43	0.805	28.9	85.8	22.0
	230.0	189.6	139.8	10.081	9.716	1.156	2002	1181	62.52	0.879	32.8	86.3	21.9
	230.0	197.0	147.0	9.477	9.037	1.205	1902	1250	64.33	0.958	37.6	87.3	21.7
	230.0	203.7	154.5	8.951	8.387	1.258	1808	1311	64.96	1.014	41.8	87.8	21.6
	230.0	209.7	161.4	8.422	7.796	1.308	1714	1360	64.62	1.046	45.5	88.5	21.5
	230.0	215.3	168.6	7.887	7.206	1.358	1615	1406	63.75	1.067	49.3	89.0	21.4
	230.0	220.6	175.9	7.356	6.624	1.408	1514	1448	62.17	1.072	52.8	89.5	21.2
	230.0	225.9	183.2	6.827	6.048	1.459	1412	1487	60.05	1.063	56.1	89.9	21.1
	230.0	230.7	190.6	6.309	5.492	1.508	1310	1522	57.37	1.040	59.2	90.3	21.0
	230.0	235.3	197.9	5.790	4.943	1.557	1204	1556	54.01	1.000	62.0	90.4	20.9
	230.0	239.6	204.9	5.297	4.434	1.603	1101	1586	50.40	0.951	64.4	90.4	20.8
	230.0	243.7	212.1	4.807	3.941	1.650	999	1614	46.29	0.889	66.4	90.4	20.6
	230.0	247.4	219.1	4.272	3.488	1.693	883	1640	41.81	0.816	69.0	89.8	20.5
13.56 OZ-FT	230.0	250.9	226.0	3.821	3.074	1.737	783	1664	37.16	0.736	70.1	89.1	20.4
	230.0	254.0	232.7	3.391	2.724	1.780	686	1686	32.15	0.645	70.1	88.0	20.3
	230.0	257.1	239.3	2.993	2.444	1.822	595	1707	27.25	0.554	69.5	86.4	20.2
	230.0	260.0	246.3	2.597	2.254	1.866	498	1727	21.66	0.445	66.6	83.4	20.1
	230.0	262.9	253.7	2.232	2.170	1.918	405	1746	16.04	0.333	61.4	78.9	20.1
	230.0	264.3	257.3	2.087	2.173	1.944	367	1754	13.56	0.283	57.6	76.4	20.0
	230.0	265.6	262.0	1.907	2.216	1.981	314	1764	9.85	0.207	49.1	71.6	20.1
	230.0	266.1	269.3	1.632	2.400	2.037	218	1782	3.67	0.078	26.6	58.2	20.1
	230.0	266.1	273.1	1.527	2.563	2.066	163	1792	0.00	0.000	0.0	46.4	20.1

DRAWING NO. PAGE 5 of 8  
1YAZ9BG

REV.  
-

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

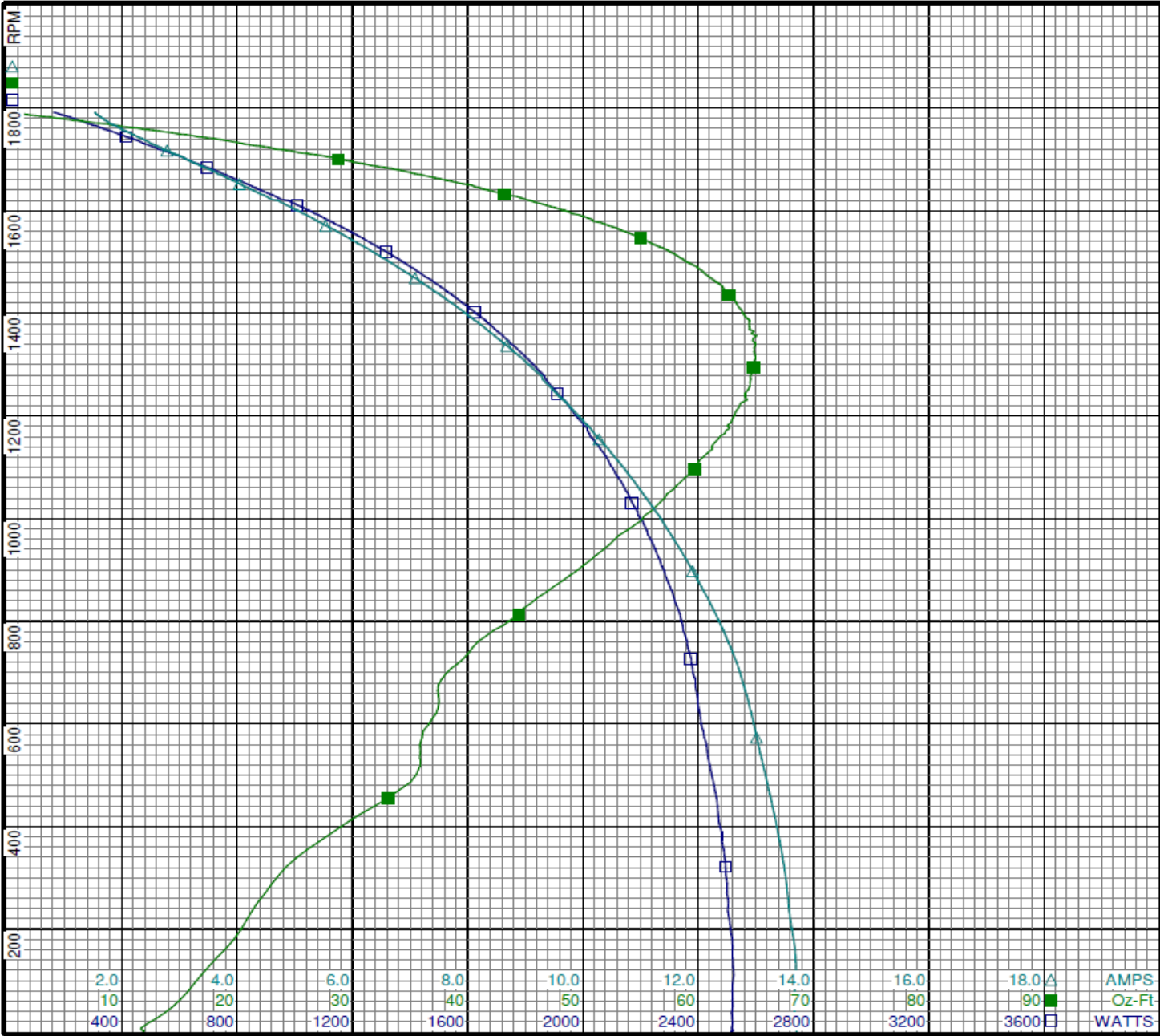


Performance Data



1YAZ9BG

REV.  
-



Curve Descriptions:  
Motor(1) Test 16 Start 230V 60 Hz 4P  
CCW 20ufd Run  
□ SPEED vs WATTS  
■ SPEED vs TORQUE  
△ SPEED vs ILine

Motor Ratings:  
(1) K055NWS2385 1YAZ9BG



# Performance Data



**1YAZ9BG**

REV.  
-

## Dayton Manufacturing Company

### Motor Description

Model: K055NWS2385 1YAZ9BG  
Motor ID: 1  
Poles: 4  
Volts: 115/230  
Frequency: 60  
HP: 1/2  
Speed: 1700  
Phase: 1  
Protector: 7AM036-A5

### Test Conditions

Test Type: Run  
Test Number: 14  
Poles: 4  
Volts: 230  
Hz: 60  
Rotation: CCW  
Special Cond:  
Speed Conn:  
TestBoard: Amtps Performance Fixture #4  
Run Cap: 20  
Start Cap: 0µfd  
Environment: 22.3 Deg C 23 % RH 993 hPa  
Tested: 2/23/2016 11:54:47 AM  
Tested By: Sharp, Gerald  
Gear Ratio: 1:1  
Bearing Friction: -0.55 Oz-Ft  
Windage Torque: -2.53 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	266.2	273.4	1.485	2.546	2.068	157	1790	0.00	0.000	0.0	46.0	20.1
	230.0	266.4	269.4	1.595	2.353	2.035	218	1778	4.03	0.085	29.1	59.5	20.0
	230.0	266.2	264.2	1.793	2.210	1.997	287	1766	9.03	0.190	49.3	69.7	20.0
	230.0	264.5	257.5	2.061	2.138	1.942	364	1751	14.12	0.294	60.3	76.8	20.0
	230.0	261.9	250.0	2.385	2.166	1.891	449	1735	19.34	0.399	66.3	81.9	20.1
24.7 OZ-FT	230.0	259.1	243.2	2.756	2.290	1.844	541	1718	24.70	0.505	69.6	85.4	20.1
0.5 HP	230.0	259.3	243.6	2.735	2.280	1.847	536	1719	24.44	0.500	69.6	85.2	20.1
	230.0	258.9	242.8	2.779	2.302	1.842	547	1717	25.00	0.511	69.7	85.5	20.1
1700 RPM	230.0	256.5	237.0	3.122	2.510	1.806	628	1700	29.51	0.597	71.0	87.4	20.2
	230.0	255.9	235.9	3.194	2.560	1.799	644	1696	30.57	0.617	71.5	87.7	20.2
	230.0	252.5	228.2	3.684	2.936	1.751	756	1673	36.32	0.724	71.4	89.2	20.3
	230.0	248.7	220.4	4.204	3.405	1.702	871	1646	41.88	0.821	70.3	90.0	20.5
	230.0	243.6	210.7	4.951	4.069	1.639	1031	1610	48.46	0.929	67.2	90.6	20.6
	230.0	239.9	204.3	5.392	4.520	1.598	1124	1585	51.81	0.978	64.9	90.6	20.8
	230.0	234.4	194.9	6.056	5.208	1.538	1261	1546	56.54	1.041	61.6	90.5	20.9
	230.0	227.8	184.6	6.792	5.992	1.471	1408	1500	60.72	1.084	57.5	90.1	21.1
	230.0	220.8	174.3	7.545	6.811	1.401	1553	1448	63.78	1.099	52.8	89.5	21.3
	230.0	213.9	165.2	8.225	7.559	1.339	1680	1395	65.59	1.089	48.4	88.8	21.5
	230.0	207.0	156.9	8.859	8.264	1.281	1794	1340	66.15	1.056	43.9	88.1	21.7
BDT OZ-FT	230.0	205.5	154.8	9.023	8.445	1.268	1825	1325	66.30	1.046	42.8	87.9	21.7
	230.0	200.1	149.1	9.428	8.958	1.226	1893	1281	65.83	1.004	39.6	87.3	21.8
	230.0	193.4	142.3	10.000	9.611	1.175	1990	1219	64.53	0.937	35.1	86.5	21.9
	230.0	186.8	136.2	10.519	10.202	1.134	2076	1155	62.43	0.858	30.8	85.8	22.1
	230.0	180.0	130.8	11.021	10.777	1.093	2154	1086	59.78	0.773	26.8	85.0	22.2
	230.0	173.7	126.6	11.451	11.274	1.058	2218	1017	56.32	0.682	22.9	84.2	22.2
	230.0	166.9	123.0	11.863	11.756	1.026	2278	943	52.11	0.585	19.2	83.5	22.1
	230.0	160.4	120.5	12.243	12.202	1.001	2330	866	47.70	0.492	15.7	82.7	22.0
	230.0	153.8	119.1	12.575	12.598	0.978	2369	785	42.82	0.400	12.6	81.9	21.8
	230.0	147.4	119.0	12.864	12.950	0.958	2403	698	38.06	0.316	9.8	81.2	21.4
	230.0	142.4	119.8	13.068	13.194	0.941	2426	611	35.39	0.258	7.9	80.7	20.8
	230.0	139.3	119.8	13.191	13.345	0.933	2448	528	34.55	0.217	6.6	80.7	20.7
	230.0	135.4	118.9	13.334	13.525	0.931	2470	438	32.31	0.169	5.1	80.5	20.8
	230.0	129.8	118.8	13.486	13.739	0.938	2495	335	25.54	0.102	3.0	80.5	21.0
	230.0	123.5	119.7	13.585	13.904	0.951	2503	218	20.82	0.054	1.6	80.1	21.1
	230.0	117.8	122.2	13.639	14.020	0.976	2515	112	16.51	0.022	0.7	80.2	21.2

DRAWING NO. PAGE 7 of 8  
1YAZ9BG

REV.  
-

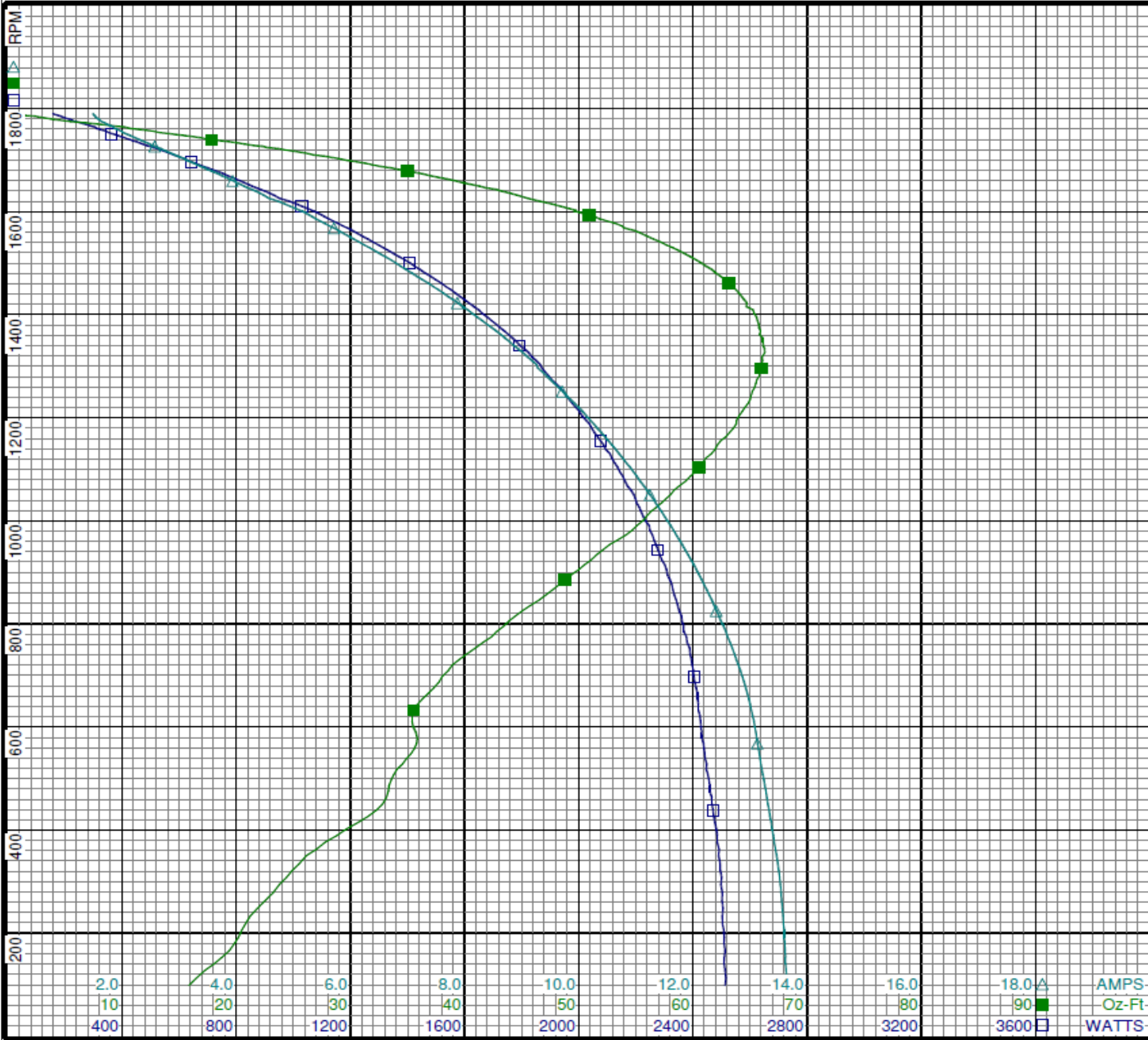
Dayton Electric Mfg. Co. Lake Forest, IL 60045 USA

Performance Data



1YAZ9BG

REV.  
-

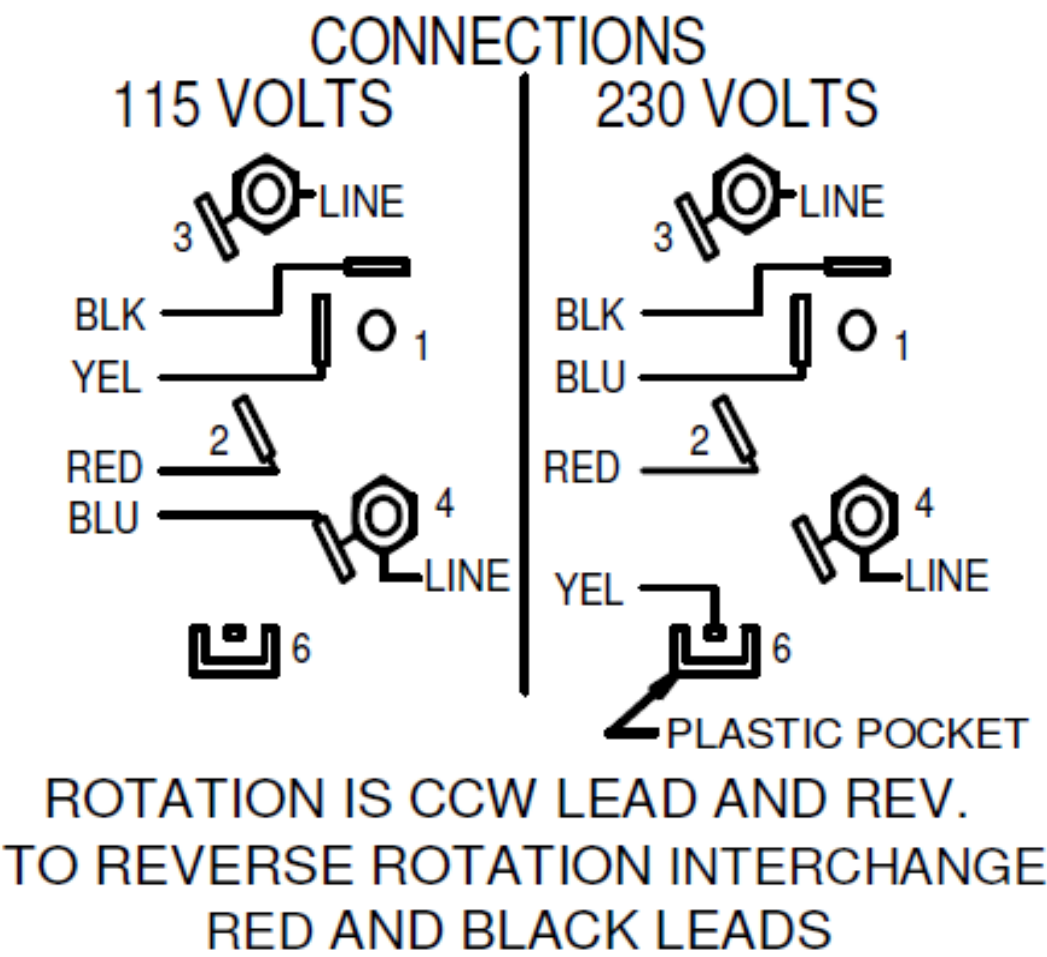


Curve Descriptions:  
Motor(1) Test 14 Run 230V 60 Hz 4P  
CCW 20ufd Run  
□ SPEED vs WATTS  
■ SPEED vs TORQUE  
△ SPEED vs ILine

Motor Ratings:  
(1) K055NWS2385 1YAZ9BG

1YAZ9BG

REV.  
0

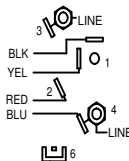
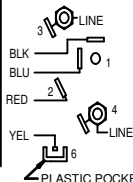


**Dayton**®

# AGRICULTURAL FAN MOTOR

**HP:** 1/2**VOLTS:** 115/230**AMPS:** 5.5/2.8**RPM:** 1700**DUTY:** CONT**SF:** 1.00**KVA CODE:** E**ENCL:** TEAO**THERMALLY PROTECTED:** AUTOMFG. NO.   PROT. CODE:  7A010 **MTR REF:** K55HXNWS-2385**PH:** 1**HZ:** 60**FR:** 48YZ**INS CL:** F**AMB:** 40 °C**SFA:**AVG. F.L.  
EFF.Part  
No 1YAZ9BG**[BAR CODE]****Disconnect Power Before Making Any  
Electrical Connections or Changes**

## CONNECTIONS

**115 VOLTS****230 VOLTS****ROTATION IS CCW LEAD AND REV.  
TO REVERSE ROTATION INTERCHANGE  
RED AND BLACK LEADS**

E37403



258501

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