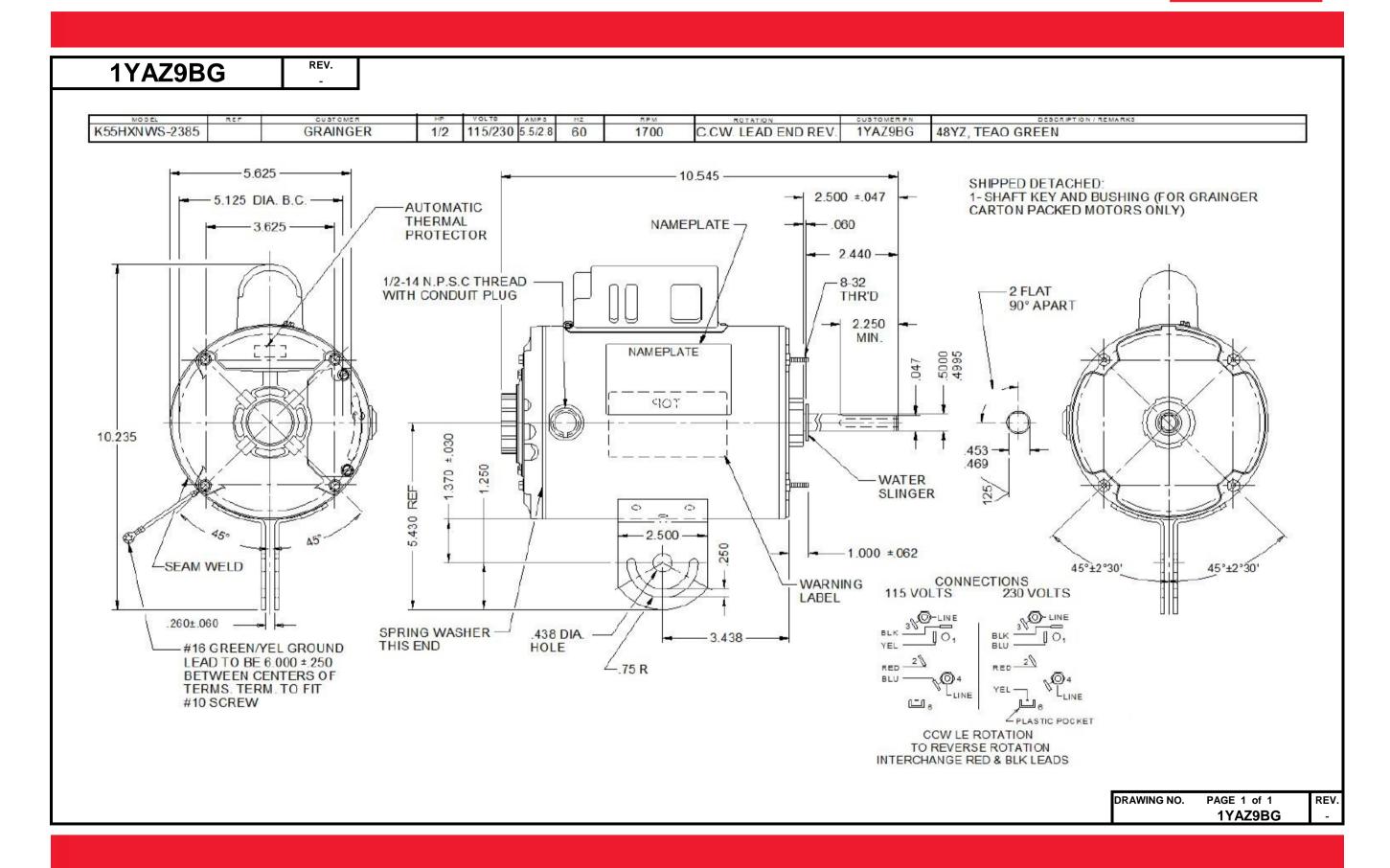
Dimensional Drawing







AZ9BG	REV. X					
-						
	SHADED-POLE &	PSC MO	OTOR	PERFORI	MANCE	
HP:	1/2					
Poles:	4					
Ambient (°C):	40					
Altitude (FASL):						
No. of Speeds:	1					
		HIGH SP	FED			
Volts:	115/230	115	230			
HZ:	60	60	60		$\overline{}$	
Service Factor:	1	60	80			
Efficiency:	@ Rated Load	69.8	69.6			
Power Factor:	@ Rated Load	85.4	85.2			
	@ No Load	03.4	03.2			
Amps:	@ Rated Load	5.48	2.756		-	
	@ Locked Rotor	27.48	13.718		-	
RPM:	@ Rated Load	1720	1718			
Torques:	Breakdown	66.03	66.3			
Torques.	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 mF	Fd, 370V	
	No. of Run Capacitors					
	MEI	DIUM-HIG	H SPE	ED.		
HP:						
Volts:						
HZ:						
Efficiency:	@ Rated Load					
Power Factor:	@ Rated Load					
Amps:	@ No Load					
7	@ Rated Load					
	@ Locked Rotor					
Torques:	Breakdown					
Oz.Ft. / Lb.In.	Locked Rotor					
	Pull-Up					
(Circle One)	Rated Load					
Watts:	@ Rated Load					
Temperature Rise:	@ Rated Load					

DRAWING NO.

PAGE 1 of 2

1YAZ9BG

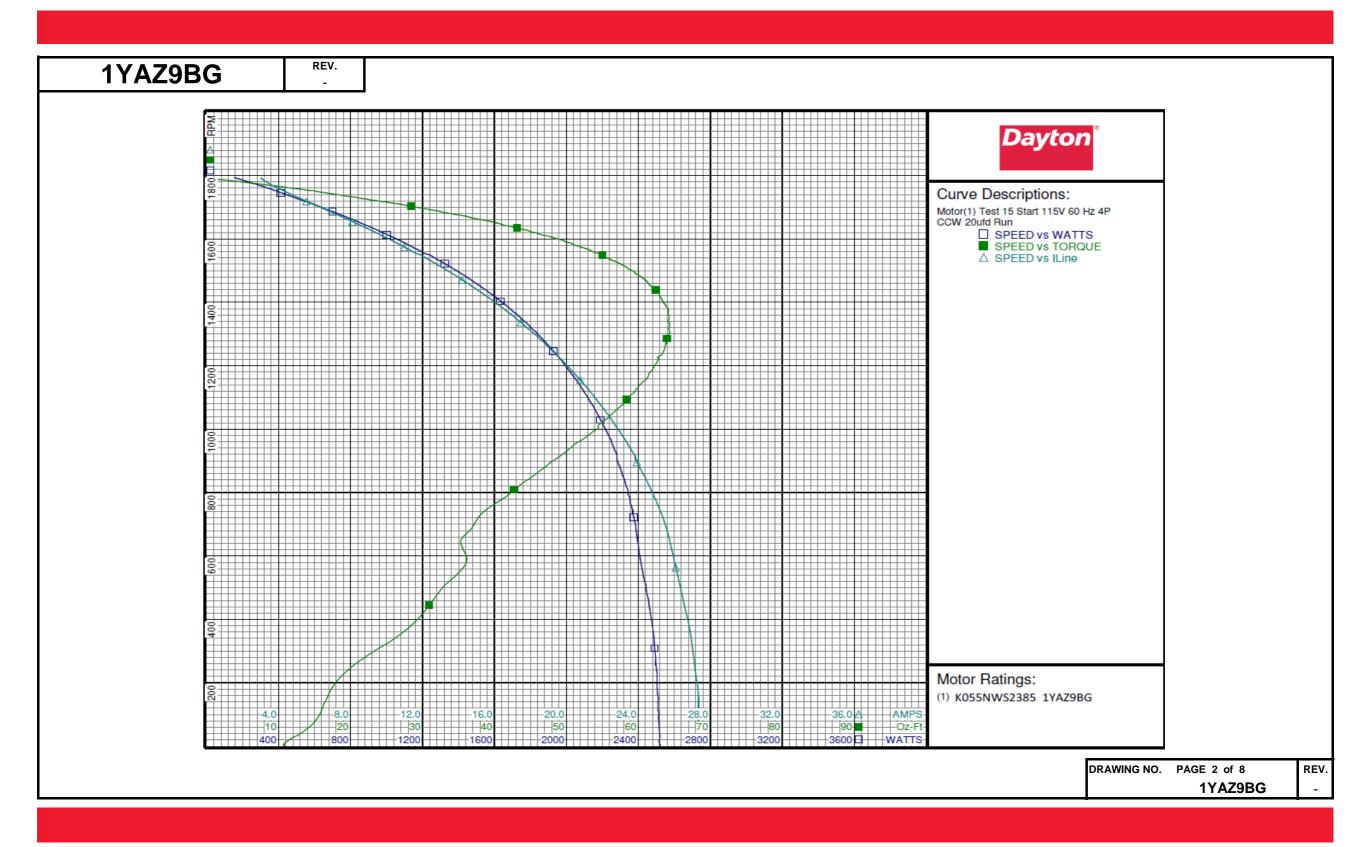
REV.

Χ



1YAZ	Z9BG	REV.													
					Day	yton M	anufactu	ring Con	npany						
	Motor Des	cription					Test Con	ditions							
	Model:	K055NWS23	85 1YAZ9	BG	Test Type:	Start		Run Ca	ip:	20					
	Motor ID:	1			Test Number			Start Ca		0µfd					
	Poles:	4			Poles:	4		Enviror		22.2 Deg C	20 % RH	995 hPa			
	Volts:	115/230			Volts:	115		Tested:		2/23/2016 8:3		,,,, ,,, ,,			
		60			Hz:	60		Tested.							
	Frequency:									Sharp, Gerald	ц				
	HP:	1/2			Rotation:	CCW		Gear R		1:1					
	Speed:	1700			Special Con					-0.16 Oz-Ft					
	Phase:	1			Speed Conn		- 0		ge Torque	:-2.37 Oz-Ft					
	Protector:	7AM036-A5			TestBoard:	Amtps	Performance	Fixture #4							
Spec	ial Points	Vline(V)	Vaux (V)	Vcap(V)		[main(A)	Iaux (A)	Watts	RPM		HP	Eff(%)		Cap	
PUT	OZ-FT	115.0 115.0	25.2 25.3	125.9 125.5	27.48 27.41	27.88 27.82	1.003 1.002	2518 2518	2 6	10.72 10.67	0.000 0.001	0.0		21.1 21.2	
POI	02-21	115.0	25.8	125.5	27.39	27.79	1.002	2515	16	11.23	0.001	0.1		21.1	
		115.0	31.9	122.3	27.34	27.67	0.974	2511	151	16.69	0.030	0.9		21.1	
		115.0	41.7	119.5	26.98	27.20	0.942	2488	327	25.30	0.098	2.9		20.9	
		115.0	53.5	119.4	26.37	26.50	0.934	2443	492	32.51	0.191	5.8		20.7	
		115.0 115.0	60.3 65.8	120.6 119.2	25.83 25.28	25.92 25.31	0.945 0.964	2400 2369	626 733	35.52 38.21	0.265	8.2 10.5		20.8 21.4	
		115.0	75.4	119.8	24.42	24.36	0.992	2322	842	44.75	0.449	14.4		22.0	
		115.0	86.1	122.8	23.50	23.27	1.023	2261	945	50.77	0.571	18.8		22.1	
		115.0	96.8	127.3	22.40	22.08	1.065	2183	1038	55.92	0.691	23.6		22.2	
		115.0	106.7	132.7	21.33	20.93	1.109	2099	1117	59.53	0.792	28.1		22.2	
		115.0 115.0	116.2 125.1	138.7 145.2	20.23 19.15	19.75 18.60	1.156 1.197	2010 1919	1188 1250	61.99 63.65	0.877	32.5 36.8		22.1 21.9	
		115.0	133.9	151.7	18.09	17.47	1.246	1831	1306	64.38	1.001	40.8		21.8	
		115.0	142.8	159.5	16.92	16.23	1.300	1724	1362	64.11	1.039	45.0		21.6	
		115.0	151.2	166.9	15.81	15.06	1.352	1622	1408	63.28	1.061	48.8		21.5	
		115.0	159.0	174.3	14.76	13.95	1.403	1522	1450	61.79	1.067	52.3		21.4	
		115.0 115.0	166.8 174.0	182.0 189.4	13.67 12.61	12.80 11.72	1.455 1.505	1417 1313	1490 1525	59.64 57.13	1.058	55.7 58.9		21.2 21.1	
12.2	6 AMPS	115.0	176.5	192.0	12.26	11.35	1.522	1277	1537	55.96	1.024	59.8		21.0	
	_	115.0	181.2	196.8	11.50	10.64	1.555	1198	1558	53.82	0.998	62.1		21.0	
		115.0	187.8	204.1	10.51	9.61	1.601	1096	1588	50.31	0.951	64.7		20.8	
		115.0	194.5	211.6	9.51	8.58	1.650	990	1616	46.11	0.887	66.9		20.7	
		115.0 115.0	201.0	218.9 225.7	8.54 7.66	7.60 6.73	1.697 1.738	887 789	1642 1665	41.39 36.97	0.809	68.1 69.3		20.6 20.4	
		115.0	212.5	232.7	6.78	5.87	1.783	690	1688	32.13	0.646	69.8		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		20.1	
12 5	6 07 Pm	115.0	229.7	254.4	4.43	3.93	1.921	404	1747	15.85	0.329	60.9		20.0	
13.5	6 OZ-FT	115.0 115.0	232.3 236.2	257.8 263.0	4.15 3.76	3.77 3.59	1.947 1.989	367 311	1755 1766	13.56 9.89	0.283 0.208	57.6		20.0 20.1	
		115.0	240.5	270.6	3.22	3.55	2.048	213	1783	3.57	0.076	26.5		20.1	
		115.0	242.4	274.1	3.01	3.70	2.078	154	1794	0.00	0.000	0.0		20.1	
													DRAWING NO.	PAGE 1 of 8	_
														1YAZ9BG	

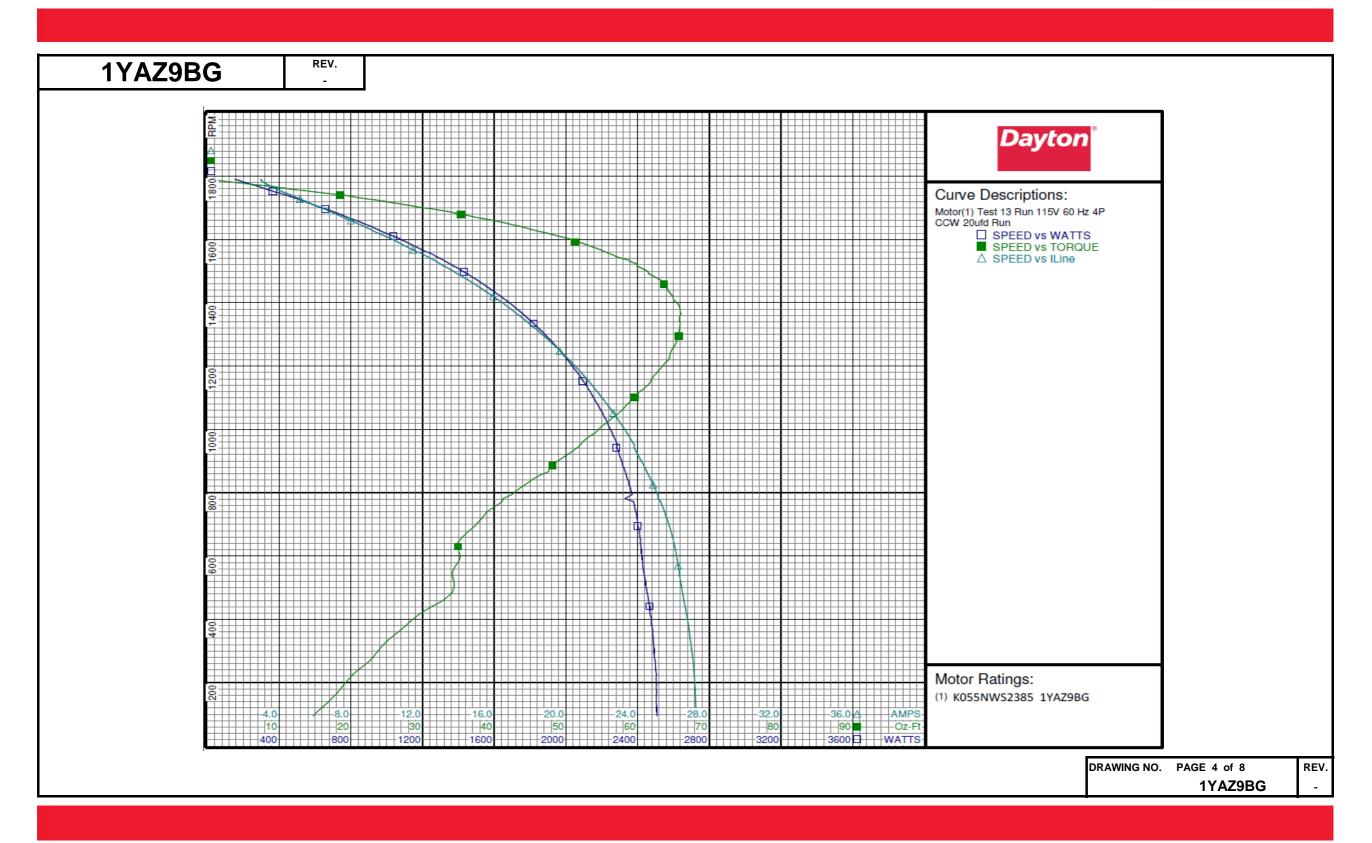






YAZ9BG	REV.												
				Da	ayton M	anufactu	ring Com	pany					
Motor Des	cription					Test Con	ditions						
Model: Motor ID: Poles: Volts: Frequency: HP: Speed: Phase: Protector:	K055NWS23 1 4 115/230 60 1/2 1700 1 7AM036-A5	85 1YA79	BG	Test Type: Test Numb Poles: Volts: Hz: Rotation: Special Co Speed Con TestBoard:	4 115 60 CCW nd: n:	Performance	Run Cap Start Ca Environ Tested: Tested I Gear Ra Bearing Windag	ip: iment: By: itio: Friction:	20 0μfd 22.2 Deg C 2/23/2016 8: Sharp, Gerald 1:1 -0.63 Oz-Ft :-2.53 Oz-Ft	30:18 AM	995 hPa		
Special Points	Vline (V) 115.0 115.0 115.0 115.0 115.0	Vaux (V) 242.6 240.4 237.4 232.4 226.4	Vcap(V) 274.4 270.5 265.1 257.9 250.1	2.95 3.17 3.57 4.12 4.79	Imain (A) 3.64 3.47 3.50 3.73 4.15	1aux (A) 2.079 2.045 2.005 1.948 1.890	Watts 153 215 287 366 454	1790 1779 1767 1752 1737	Tq(Oz-ft) 0.00 4.26 9.13 14.24 19.77	0.000 0.090 0.192 0.297 0.409	Eff(%) 0.0 31.3 49.9 60.5 67.1	PF(%) 45.2 59.1 69.9 77.3 82.5	20.1 20.1 20.1 20.1 20.0 20.0
0.5 HP 24.7 OZ-FT	115.0 115.0 115.0	221.7 221.4 220.8	244.2 243.8 242.9	5.43 5.48 5.57	4.65 4.69 4.77	1.851 1.848 1.844	534 540 551	1721 1720 1718	24.40 24.70 25.29	0.500 0.506 0.517	69.8 69.9 70.0	85.4 85.6 86.0	20.1 20.1 20.1
1700 RPM	115.0 115.0 115.0 115.0 115.0 115.0 115.0 115.0	215.8 214.8 208.5 201.6 192.8 186.9 178.0 167.8 157.4	236.7 235.4 227.6 219.4 209.1 202.7 193.2 182.4 172.2 163.2	6.31 6.47 7.44 8.54 9.93 10.83 12.25 13.78 15.25 16.59	5.42 5.56 6.49 7.59 9.00 9.94 11.32 12.90 14.45 15.86	1.804 1.796 1.750 1.700 1.634 1.594 1.532 1.463 1.393 1.332	638 657 768 889 1039 1134 1277 1430 1571 1697	1700 1697 1672 1646 1609 1585 1546 1498 1448	30.01 31.22 36.87 42.56 49.03 52.63 57.03 61.45 64.13 65.73	0.607 0.631 0.734 0.834 0.939 0.993 1.049 1.096	71.0 71.6 71.4 70.0 67.5 65.4 61.3 57.2 52.4 47.9	88.0 88.3 89.7 90.5 91.0 90.6 90.6 89.6 88.9	20.2 20.2 20.4 20.6 20.7 20.9 21.0 21.3 21.5 21.6
BDT OZ-FT	115.0 115.0 115.0 115.0 115.0 115.0 115.0 115.0 115.0 115.0	142.7 137.9 128.6 119.3 110.4 101.6 93.6 85.6 77.8 68.4 63.0 58.4	158.7 154.4 147.2 140.2 134.4 129.2 125.4 122.2 120.1 120.8 119.1	17.28 17.93 19.08 20.22 21.26 22.22 23.08 23.80 24.52 25.14 25.77 26.14	16.59 17.28 18.51 19.72 20.83 21.86 22.79 23.68 24.46 25.15 25.84 26.25	1.301 1.271 1.218 1.173 1.129 1.088 1.057 1.028 1.005 0.973 0.961 0.946	1759 1819 1918 2013 2095 2171 2235 2282 2331 2329 2402 2421	1364 1335 1279 1217 1153 1084 1016 942 866 781 694 609	66.03 65.95 65.44 64.21 61.87 58.85 55.40 51.61 47.58 41.21 37.27 35.12	1.072 1.048 0.996 0.930 0.849 0.760 0.670 0.579 0.490 0.383 0.308 0.255	45.5 43.0 38.8 34.5 30.2 26.1 22.4 18.9 15.7 12.3 9.6 7.8	88.5 88.3 87.4 86.6 85.7 84.9 84.2 83.4 82.7 80.5 81.0	21.7 21.8 22.0 22.2 22.3 22.3 22.4 22.3 22.4 22.3 22.4 22.3
	115.0 115.0 115.0 115.0 115.0	55.5 50.4 43.1 35.8 30.0	120.2 119.4 119.2 120.5	26.37 26.65 26.94 27.16 27.27	26.50 26.82 27.17 27.46 27.62	0.938 0.938 0.951 0.962 0.991	2441 2467 2488 2505 2507	529 441 336 225 108	34.25 31.39 25.30 20.28 15.33	0.216 0.165 0.101 0.054 0.020	6.6 5.0 3.0 1.6 0.6	80.5 80.5 80.3 80.2 79.9	20.7 20.8 21.2 21.2 21.3
											DF	RAWING NO.	PAGE 3 of 8

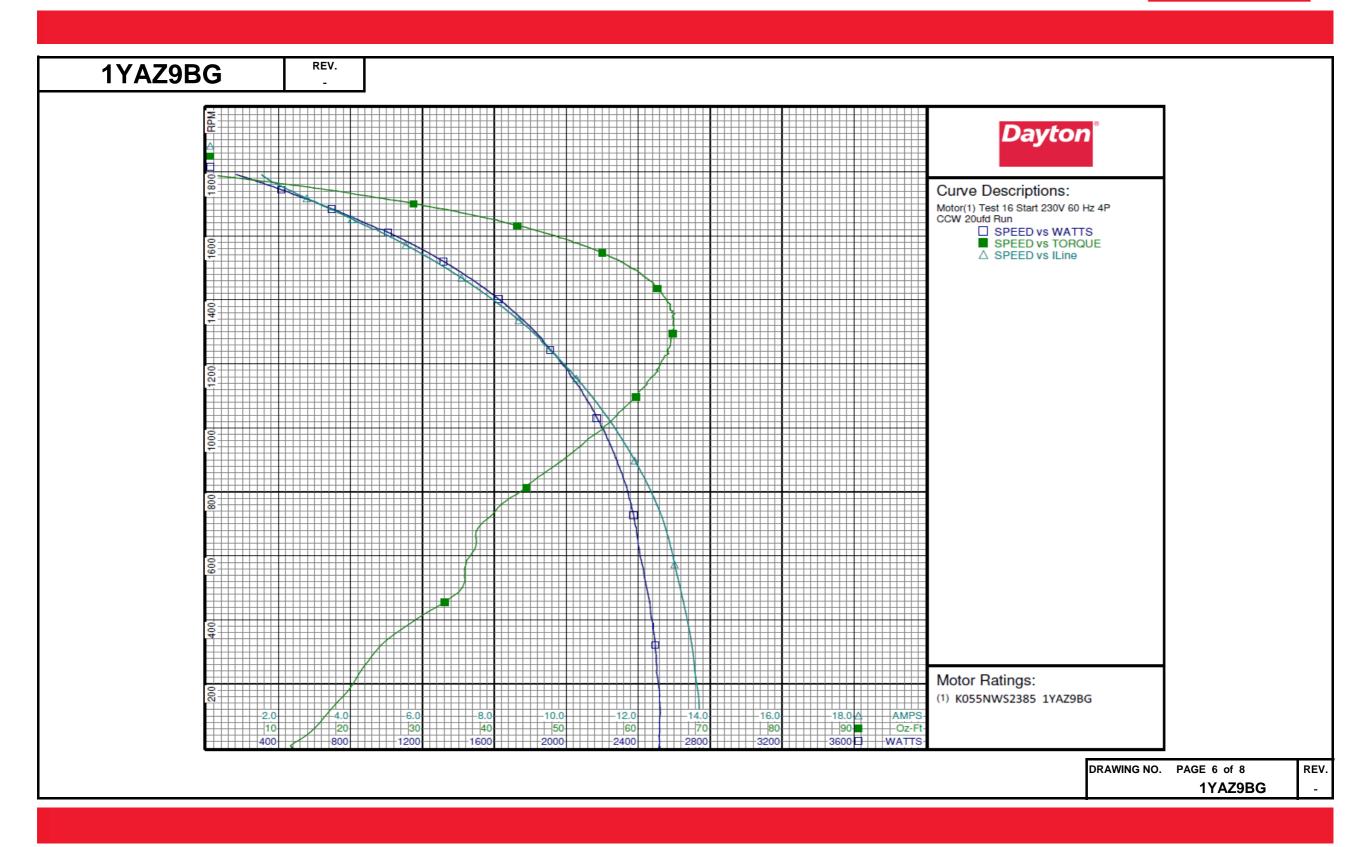






YAZ9BG	REV. -												
				Da	yton Ma	anufactu	ring Com	pany					
Motor Des	cription					Test Con	ditions						
Model: Motor ID: Poles: Volts: Frequency: HP: Speed: Phase:	K055NWS23 1 4 115/230 60 1/2 1700 1	85 1YAZ9E	3G	Test Type: Test Numb Poles: Volts: Hz: Rotation: Special Co. Speed Con.	4 230 60 CCW		Run Cap Start Ca Environ Tested: Tested I Gear Ra Bearing	p: ment: By: tio: Friction:	20 0μfd 22.3 Deg C 2/23/2016 11 Sharp, Gerald 1:1 :-0.38 Oz-Ft :-2.53 Oz-Ft	:55:51 AM	993 hPa		
Protector:	7AM036-A5			TestBoard:		Performance							
Special Points	Vline(V) 230.0	Vaux (V)	Vcap(V) 124.8	Iline(A) 13.718	Imain(A) 14.155	Iaux (A) 0.992	Watts 2519	RPM	11.88	HP	Eff(%)	PF (%) 79.9	Cap 21.1
PUT OZ-FT	230.0 230.0 230.0 230.0 230.0 230.0 230.0	112.3 112.9 120.6 130.2 138.5 143.5	124.8 124.5 120.4 118.3 119.3 120.3 119.4	13.687 13.680 13.680 13.469 13.164 12.894 12.602	14.120 14.107 14.029 13.717 13.315 13.000 12.655	0.990 0.989 0.955 0.934 0.926 0.944 0.962	2516 2519 2520 2492 2446 2400 2370	7 17 161 338 501 631 738	12.32 19.00 25.08 35.56 37.42	0.001 0.003 0.037 0.101 0.212 0.281 0.352	0.0 0.1 1.1 3.0 6.5 8.7 11.1	79.9 80.1 80.1 80.4 80.8 80.9	21.0 21.1 21.0 20.9 20.6 20.8 21.4
12.26 AMPS	230.0 230.0 230.0 230.0 230.0 230.0 230.0 230.0 230.0 230.0 230.0 230.0 230.0 230.0 230.0 230.0 230.0 230.0	156.8 158.6 167.3 175.6 183.5 189.6 197.0 203.7 209.7 215.3 220.6 225.9 230.7 235.3 239.6 243.7 247.4 250.9 254.0 257.1	120.0 120.5 123.9 128.8 134.4 139.8 147.0 154.5 161.4 168.6 175.9 183.2 190.6 197.9 204.9 212.1 219.1 226.0 232.7 239.3	12.260 12.160 11.637 11.095 10.550 10.081 9.477 8.951 8.422 7.887 7.356 6.827 6.309 5.790 5.297 4.807 4.272 3.821 3.821 2.993	12.244 12.126 11.510 10.879 10.249 9.716 9.037 8.387 7.796 7.206 6.624 6.048 5.492 4.943 4.434 3.941 3.488 3.074 2.724 2.444	0.986 0.992 1.027 1.069 1.115 1.156 1.205 1.258 1.308 1.358 1.408 1.459 1.508 1.557 1.603 1.650 1.693 1.737 1.780 1.822	2330 2315 2243 2162 2081 2002 1902 1808 1714 1615 1514 1412 1310 1204 1101 999 883 783 686 595	823 846 948 1040 1119 1181 1250 1311 1360 1406 1448 1487 1522 1556 1586 1614 1640 1664 1664 1707	44.74 46.06 52.28 57.09 60.43 62.52 64.33 64.96 64.62 63.75 62.17 60.05 57.37 54.01 50.40 46.29 41.81 37.16 32.15	0.438 0.464 0.590 0.707 0.805 0.879 0.958 1.014 1.046 1.067 1.072 1.063 1.040 1.000 0.951 0.889 0.816 0.736 0.645 0.554	14.0 14.9 19.6 24.4 28.9 32.8 37.6 41.8 45.5 49.3 52.8 56.1 59.2 62.0 64.4 66.0 70.1 70.1 69.5	82.6 82.8 83.8 84.7 85.8 86.3 87.3 87.8 88.5 89.0 90.4 90.4 90.4 90.4 90.4 90.4 90.4 9	21.8 21.8 22.0 22.0 21.9 21.7 21.6 21.5 21.4 21.2 21.1 21.0 20.9 20.8 20.6 20.5 20.4 20.3 20.2
13.56 OZ-FT	230.0 230.0 230.0 230.0 230.0 230.0 230.0	260.0 262.9 264.3 265.6 266.1 266.1	246.3 253.7 257.3 262.0 269.3 273.1	2.597 2.232 2.087 1.907 1.632 1.527	2.254 2.170 2.173 2.216 2.400 2.563	1. 866 1. 918 1. 944 1. 981 2. 037 2. 066	498 405 367 314 218 163	1707 1727 1746 1754 1764 1782 1792	21.66 16.04 13.56 9.85 3.67	0.445 0.333 0.283 0.207 0.078 0.000	69.5 661.4 57.6 49.1 26.6	83.4 78.9 76.4 71.6 58.2 46.4	20.2 20.1 20.1 20.0 20.1 20.1 20.1

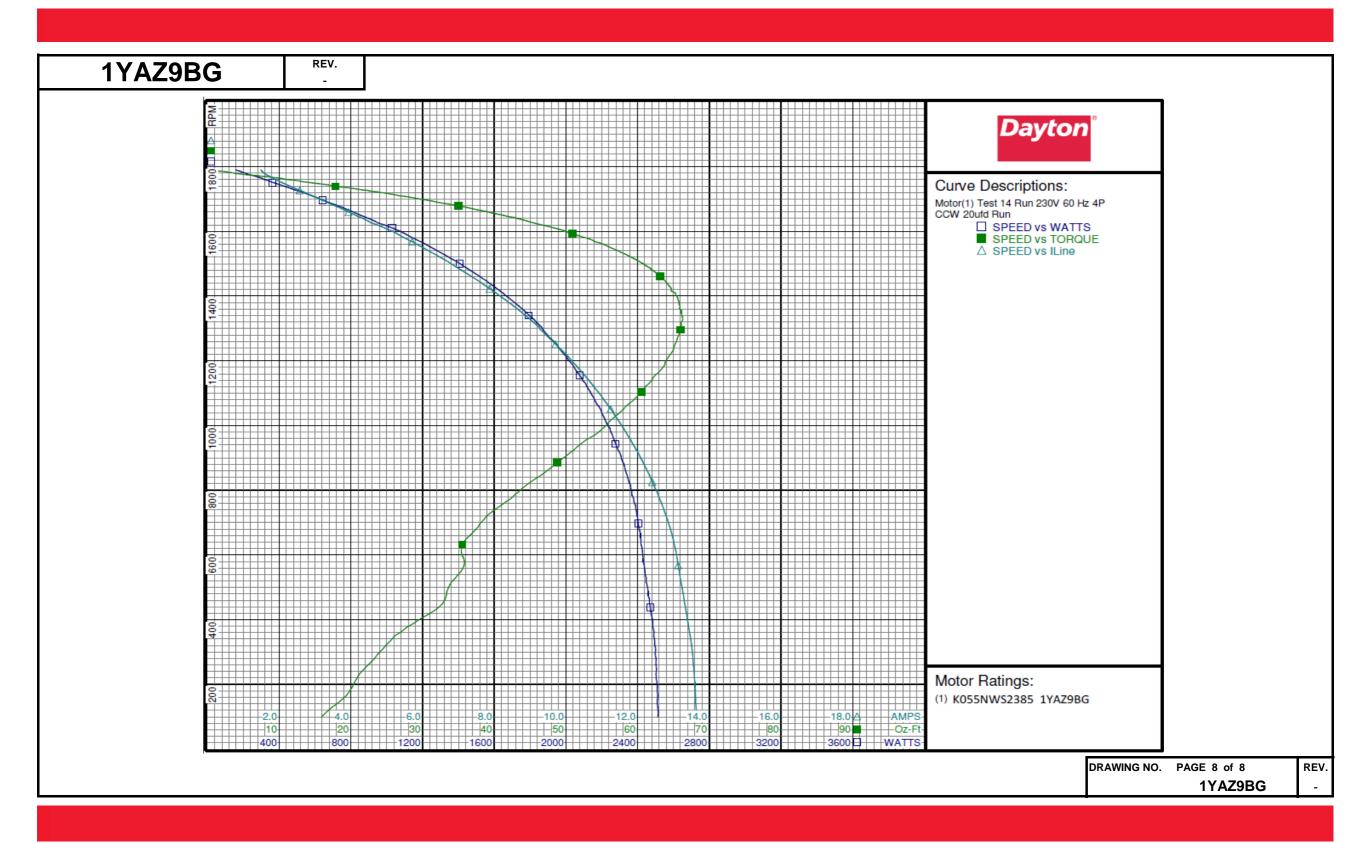






Motor Description	mber: 14 4 230 60 n: CCW Cond: Conn: ard: Amtps I 5 2.546 5 2.353 3 2.210 1 2.138 5 2.166 2.290 5 2.280 9 2.302 2.510 4 2.560 4 2.936 4 3.405 1 4.069 2 4.520	Test Cor	Run Cap Start Cap Environ Tested: Tested F Gear Ra Bearing Windage Fixture #4 watts 157 218 287 364 449 541 536 547 628 644 756 871 1031	p: ment: By: tio: Friction: Torque: PM 1790 1778 1766 1751 1735 1718 1719 1717 1700 1696 1673 1646	20 0μfd 22.3 Deg C 2/23/2016 11: Sharp, Gerald 1:1 -0.55 Oz-Ft -2.53 Oz-Ft Tq(Oz-ft) 0.00 4.03 9.03 14.12 19.34 24.70 24.44 25.00 29.51 30.57 36.32 41.88	:54:47 AM		PF(%) 46.0 59.5 69.7 76.8 81.9 85.4 85.2 85.5 87.4 87.7	Cap 20.1 20.0 20.0 20.1 20.1 20.1 20.2 20.2
Model: K055NWS2385 1YAZ9BG Test Ty	mber: 14 4 230 60 n: CCW Cond: Conn: ard: Amtps I 5 2.546 5 2.353 3 2.210 1 2.138 5 2.166 2.290 5 2.280 9 2.302 2.510 4 2.560 4 2.936 4 3.405 1 4.069 2 4.520	Performance Iaux (A) 2.068 2.035 1.997 1.942 1.891 1.844 1.847 1.842 1.806 1.799 1.751 1.702 1.639 1.598	Run Cap Start Cap Environ Tested: Tested F Gear Ra Bearing Windage Fixture #4 Watts 157 218 287 364 449 541 536 547 628 644 756 871 1031	p: ment: By: tio: Friction: e Torque: RPM 1790 1778 1766 1751 1735 1718 1719 1717 1700 1696 1673 1646	Oμfd 22.3 Deg C 2/23/2016 11: Sharp, Gerald 1:1 -0.55 Oz-Ft -2.53 Oz-Ft Tq(Oz-ft) 0.00 4.03 9.03 14.12 19.34 24.70 24.44 25.00 29.51 30.57 36.32 41.88	**************************************	Eff(%) 0.0 29.1 49.3 60.3 66.3 69.6 69.7 71.0 71.5 71.4	46.0 59.5 69.7 76.8 81.9 85.4 85.2 85.5 87.4 87.7	20.1 20.0 20.0 20.0 20.1 20.1 20.1 20.1
Model: K055NWS2385 1YAZ9BG Test Ty	mber: 14 4 230 60 n: CCW Cond: Conn: ard: Amtps I 5 2.546 5 2.353 3 2.210 1 2.138 5 2.166 2.290 5 2.280 9 2.302 2.510 4 2.560 4 2.936 4 3.405 1 4.069 2 4.520	Performance Iaux (A) 2.068 2.035 1.997 1.942 1.891 1.844 1.847 1.842 1.806 1.799 1.751 1.702 1.639 1.598	Run Cap Start Cap Environ Tested: Tested F Gear Ra Bearing Windage Fixture #4 Watts 157 218 287 364 449 541 536 547 628 644 756 871 1031	p: ment: By: tio: Friction: e Torque: RPM 1790 1778 1766 1751 1735 1718 1719 1717 1700 1696 1673 1646	Oμfd 22.3 Deg C 2/23/2016 11: Sharp, Gerald 1:1 -0.55 Oz-Ft -2.53 Oz-Ft Tq(Oz-ft) 0.00 4.03 9.03 14.12 19.34 24.70 24.44 25.00 29.51 30.57 36.32 41.88	**************************************	Eff(%) 0.0 29.1 49.3 60.3 66.3 69.6 69.7 71.0 71.5 71.4	46.0 59.5 69.7 76.8 81.9 85.4 85.2 85.5 87.4 87.7	20.1 20.0 20.0 20.0 20.1 20.1 20.1 20.1
Motor ID:	mber: 14 4 230 60 n: CCW Cond: Conn: ard: Amtps I 5 2.546 5 2.353 3 2.210 1 2.138 5 2.166 2.290 5 2.280 9 2.302 2.510 4 2.560 4 2.936 4 3.405 1 4.069 2 4.520	1aux (A) 2.068 2.035 1.997 1.942 1.891 1.844 1.847 1.842 1.806 1.799 1.751 1.702 1.639 1.598	Start Caj Environi Tested: Tested F Gear Ra Bearing Windage Fixture #4 **Watts** 157 218 287 364 449 541 536 547 628 644 756 871 1031	p: ment: By: tio: Friction: e Torque: RPM 1790 1778 1766 1751 1735 1718 1719 1717 1700 1696 1673 1646	Oμfd 22.3 Deg C 2/23/2016 11: Sharp, Gerald 1:1 -0.55 Oz-Ft -2.53 Oz-Ft Tq(Oz-ft) 0.00 4.03 9.03 14.12 19.34 24.70 24.44 25.00 29.51 30.57 36.32 41.88	**************************************	Eff(%) 0.0 29.1 49.3 60.3 66.3 69.6 69.7 71.0 71.5 71.4	46.0 59.5 69.7 76.8 81.9 85.4 85.2 85.5 87.4 87.7	20.1 20.0 20.0 20.0 20.1 20.1 20.1 20.1
Poles: 4 Volts: 115/230 Volts: Frequency: 60 HZ: HP: 1/2 Rotation Speed: 1700 Special Phase: 1 Protector: 7AM036-A5 TestBo Special Points Vline (V) Vaux (V) Vcap (V) Iline (A) 230.0 266.2 273.4 1.4 230.0 266.4 269.4 1.5 230.0 266.2 264.2 1.7 230.0 266.5 257.5 2.00 230.0 266.19 250.0 2.3 24.7 OZ-FT 230.0 259.1 243.2 2.7 0.5 HP 230.0 259.3 243.6 2.7 1700 RPM 230.0 259.3 243.6 2.7 1700 RPM 230.0 258.9 242.8 2.7 1700 RPM 230.0 255.5 228.2 3.6 230.0 248.6 237.0 3.1 230.0 255.9 235.9 3.1 230.0 252.5 228.2 3.6 230.0 248.7 220.4 4.2 230.0 248.6 210.7 4.9 230.0 239.9 204.3 5.3 230.0 234.4 194.9 6.00 230.0 227.8 184.6 6.7 230.0 23	4 230 60 n: CCW Cond: Conn: ard: Amtps I 2) Imain (A) 5 2.546 5 2.353 3 2.210 1 2.138 5 2.166 6 2.290 5 2.280 9 2.302 2 2.510 4 2.560 4 2.936 4 3.405 1 4.069 2 4.520	1aux (A) 2.068 2.035 1.997 1.942 1.891 1.844 1.847 1.842 1.806 1.799 1.751 1.702 1.639 1.598	Environ Tested: Tested E Gear Ra Bearing Windage Fixture #4 watts 157 218 287 364 449 541 536 547 628 644 756 871 1031	RPM 1790 1778 1766 1751 1735 1718 1719 1717 1700 1696 1673 1646	22.3 Deg C 2/23/2016 11: Sharp, Gerald 1:1 -0.55 Oz-Ft -2.53 Oz-Ft Tq(oz-ft) 0.00 4.03 9.03 14.12 19.34 24.70 24.44 25.00 29.51 30.57 36.32 41.88	**************************************	Eff(%) 0.0 29.1 49.3 60.3 66.3 69.6 69.7 71.0 71.5 71.4	46.0 59.5 69.7 76.8 81.9 85.4 85.2 85.5 87.4 87.7	20.1 20.0 20.0 20.0 20.1 20.1 20.1 20.1
Volts: Frequency: 60	60 CCW Cond: Conn: ard: Amtps F 1) Imain (A) 15 2.546 15 2.353 13 2.210 11 2.138 15 2.166 16 2.290 17 2.138 18 2.166 19 2.302 19 2.302 10 2.560 10 2.560 10 4 2.560 10 4 2.560 11 4.069 12 4.520	1aux (A) 2.068 2.035 1.997 1.942 1.891 1.844 1.847 1.842 1.806 1.799 1.751 1.702 1.639 1.598	Tested: Tested E Gear Ra Bearing Windage Fixture #4 watts 157 218 287 364 449 541 536 547 628 644 756 871 1031	By: tio: Friction: Torque: RPM 1790 1778 1766 1751 1735 1718 1719 1717 1700 1696 1673 1646	2/23/2016 11: Sharp, Gerald 1:1 -0.55 Oz-Ft -2.53 Oz-Ft Tq(oz-ft) 0.00 4.03 9.03 14.12 19.34 24.70 24.44 25.00 29.51 30.57 36.32 41.88	**************************************	Eff(%) 0.0 29.1 49.3 60.3 66.3 69.6 69.7 71.0 71.5 71.4	46.0 59.5 69.7 76.8 81.9 85.4 85.2 85.5 87.4 87.7	20.1 20.0 20.0 20.0 20.1 20.1 20.1 20.1
Frequency: 60 HP: 1/2 Speed: 1700 Speed: 1700 Phase: 1 Protector: 7AM036-A5 Special Points Vline (V) 230.0 266.2 273.4 230.0 266.2 273.4 1.4 230.0 266.2 264.2 273.4 1.5 230.0 266.2 264.2 273.4 1.5 230.0 266.2 264.2 273.4 1.5 230.0 266.2 264.2 273.4 1.5 230.0 266.2 264.2 273.4 1.5 230.0 266.2 264.2 273.4 230.0 266.2 264.2 1.7 230.0 266.2 230.0 266.2 24.7 OZ-FT 230.0 230.0 259.1 243.2 2.7 0.5 HP 230.0 259.3 243.6 2.7 1700 RPM 230.0 259.3 242.8 2.7 1700 RPM 230.0 259.3 242.8 230.0 259.3 243.6 257.0 3.11 230.0 259.3 243.6 257.0 3.11 230.0 259.3 243.6 250.0 259.3 243.6 250.0 259.3 243.6 250.0 259.3 243.6 250.0 259.3 243.6 250.0 259.3 250.0 259.3 243.6 250.0 259.3 243.6 250.0 259.3 243.6 250.0 250.5 250.5 268.2 268.2 269.2 279.2 280.0 280	60 CCW Cond: Conn: ard: Amtps F 1) Imain (A) 15 2.546 15 2.353 13 2.210 11 2.138 15 2.166 16 2.290 17 2.138 18 2.166 19 2.302 19 2.302 10 2.560 10 2.560 10 4 2.560 10 4 2.560 11 4.069 12 4.520	1aux (A) 2.068 2.035 1.997 1.942 1.891 1.844 1.847 1.842 1.806 1.799 1.751 1.702 1.639 1.598	Tested F Gear Ra Bearing Windage Fixture #4 watts 157 218 287 364 449 541 536 547 628 644 756 871 1031	By: tio: Friction: Torque: PPM 1790 1778 1766 1751 1735 1718 1719 1717 1700 1696 1673 1646	Sharp, Gerald 1:1 -0.55 Oz-Ft -2.53 Oz-Ft Tq(Oz-ft) 0.00 4.03 9.03 14.12 19.34 24.70 24.44 25.00 29.51 30.57 36.32 41.88	HP 0.000 0.085 0.190 0.294 0.399 0.505 0.500 0.511 0.597 0.617 0.724	Eff(%) 0.0 29.1 49.3 60.3 66.6 69.6 69.7 71.0 71.5 71.4	46.0 59.5 69.7 76.8 81.9 85.4 85.2 85.5 87.4 87.7	20.1 20.0 20.0 20.0 20.1 20.1 20.1 20.1
HP: 1/2 Rotation Speed: 1700 Special Phase: 1 Protector: 7AM036-A5 TestBo Special Points Vline (V) Vaux (V) Vcap (V) Iline (X) 230.0 266.2 273.4 1.4 230.0 266.4 269.4 1.5 230.0 266.2 264.2 1.7 230.0 266.2 264.2 1.7 230.0 264.5 257.5 2.0 230.0 261.9 250.0 2.3 24.7 OZ-FT 230.0 259.1 243.2 2.7 0.5 HP 230.0 259.3 243.6 2.7 1700 RPM 230.0 256.5 237.0 3.1 24.7 256.5 257.5 20.0 230.0 256.5 237.0 3.1 24.7 256.5 257.5 20.0 256.5 237.0 256.5 257 256.5 256.5 257 256.5 256.5 257 256.5 256.5 257 256.5 256.5 257	n: CCW Cond: Conn: urd: Amtps I 1) Imain (A) 15 2.546 15 2.353 13 2.210 11 2.138 15 2.166 16 2.290 17 2.302 18 2.302 19 2.302 19 2.302 10 2.560 10 4 2.560 10 4 2.936 11 4.069 12 4.520	1aux (A) 2.068 2.035 1.997 1.942 1.891 1.844 1.847 1.842 1.806 1.799 1.751 1.702 1.639 1.598	Gear Ra Bearing Windage Fixture #4 **Watts** 157 218 287 364 449 541 536 547 628 644 756 871 1031	rio: Friction: Friction: Torque: RPM 1790 1778 1766 1751 1735 1718 1719 1717 1700 1696 1673 1646	1:1 -0.55 Oz-Ft -2.53 Oz-Ft 0.00 4.03 9.03 14.12 19.34 24.70 24.44 25.00 29.51 30.57 36.32 41.88	HP 0.000 0.085 0.190 0.294 0.399 0.505 0.500 0.511 0.597 0.617 0.724	0.0 29.1 49.3 60.3 66.3 69.6 69.7 71.0 71.5 71.4	46.0 59.5 69.7 76.8 81.9 85.4 85.2 85.5 87.4 87.7	20.1 20.0 20.0 20.0 20.1 20.1 20.1 20.1
Speed: 1700 Special Phase: 1 Speed Speed Phase: 1 Speed Phase: 1 Speed Phase: 1 Speed Phase: TestBo Special Points Vline (V) Vaux (V) Vcap (V) Iline (A) 230.0 266.2 273.4 1.4 230.0 266.4 269.4 1.5 230.0 266.2 264.2 1.7 230.0 264.5 257.5 2.0 230.0 261.9 250.0 2.3 24.7 OZ-FT 230.0 259.1 243.2 2.7 0.5 HP 230.0 259.3 243.6 2.7 1700 RPM 230.0 256.5 237.0 3.1 230.0 255.9 235.9 3.1 230.0 255.9 235.9 3.1 230.0 255.5 228.2 3.6 230.0 243.6 210.7 4.9 230.0 243.6 210.7 4.9 230.0 239.9 204.3 5.3 230.0 227.8	Cond: Conn: ard: Amtps I Discrete Amtps I Conn: A	1aux (A) 2.068 2.035 1.997 1.942 1.891 1.844 1.847 1.842 1.806 1.799 1.751 1.702 1.639 1.598	Bearing Windage Fixture #4 watts 157 218 287 364 449 541 536 547 628 644 756 871 1031	RPM 1790 1778 1766 1751 1735 1718 1719 1717 1700 1696 1673 1646	-0.55 Oz-Ft -2.53 Oz-Ft Tq(Oz-ft) 0.00 4.03 9.03 14.12 19.34 24.70 24.44 25.00 29.51 30.57 36.32 41.88	0.000 0.085 0.190 0.294 0.399 0.505 0.500 0.511 0.597 0.617 0.724	0.0 29.1 49.3 60.3 66.3 69.6 69.7 71.0 71.5 71.4	46.0 59.5 69.7 76.8 81.9 85.4 85.2 85.5 87.4 87.7	20.1 20.0 20.0 20.0 20.1 20.1 20.1 20.1
Phase: 1 Protector: 7AM036-A5 Special Points Vline (V) 230.0 266.2 273.4 1.4 230.0 266.2 264.2 1.7 230.0 266.2 264.2 1.7 230.0 264.5 257.5 200.0 24.7 OZ-FT 230.0 259.1 243.2 2.7 0.5 HP 230.0 259.3 242.8 270.0 1700 RPM 230.0 256.5 237.0 230.0 256.5 237.0 3.1 230.0 256.5 237.0 3.1 230.0 256.5 237.0 3.1 230.0 256.5 237.0 3.1 230.0 252.5 228.2 3.6 230.0 248.7 220.4 4.2 230.0 248.7 220.4 4.2 230.0 244.6 230.0 244.6 230.0 244.6 230.0 244.6 230.0 244.6 230.0 244.6 230.0 244.6 230.0 244.6 230.0 244.6 230.0 244.6 230.0 244.6 230.0 244.6 230.0 244.6 230.0 244.6 230.0 244.6 230.0 244.6 230.0 244.6 230.0 244.6 230.0 244.6 230.0 234.4 194.9 6.00 230.0 234.4 230.0 234.4 235.9 235.9 236.8 236.8 237.0 237.0 238.8 24	Conn: ard: Amtps I 2) Imain (A) 25 2.546 2.353 3 2.210 2.138 25 2.166 2.290 2.280 9 2.302 2.510 4 2.560 4 2.936 4 3.405 1 4.069 2 4.520	1aux (A) 2.068 2.035 1.997 1.942 1.891 1.844 1.847 1.842 1.806 1.799 1.751 1.702 1.639 1.598	Windage Fixture #4 Watts 157 218 287 364 449 541 536 547 628 644 756 871 1031	RPM 1790 1778 1766 1751 1735 1718 1719 1717 1700 1696 1673 1646	-2.53 Oz-Ft Tq(Oz-ft) 0.00 4.03 9.03 14.12 19.34 24.70 24.44 25.00 29.51 30.57 36.32 41.88	0.000 0.085 0.190 0.294 0.399 0.505 0.500 0.511 0.597 0.617 0.724	0.0 29.1 49.3 60.3 66.3 69.6 69.7 71.0 71.5 71.4	46.0 59.5 69.7 76.8 81.9 85.4 85.2 85.5 87.4 87.7	20.1 20.0 20.0 20.0 20.1 20.1 20.1 20.1
Protector: 7AM036-A5 TestBo Special Points Vline (V) Vaux (V) Vcap (V) Iline (X 230.0 266.2 273.4 1.4 230.0 266.2 264.2 1.7 230.0 266.2 257.5 2.00 230.0 266.5 257.5 2.00 230.0 261.9 250.0 2.3 24.7 0Z-FT 230.0 259.1 243.2 2.7 0.5 HP 230.0 259.3 243.6 2.7 230.0 258.9 242.8 2.7 1700 RPM 230.0 256.5 237.0 3.11 230.0 255.9 235.9 3.11 230.0 255.5 228.2 3.6 230.0 259.3 243.6 210.7 4.9 230.0 259.3 243.6 210.7 4.9 230.0 248.7 220.4 4.2 230.0 248.7 220.4 4.2 230.0 248.7 220.4 4.2 230.0 248.7 220.4 4.2 230.0 239.9 204.3 5.3 230.0 239.9 204.3 5.3 230.0 227.8 184.6 6.7 230.0 227.8 184.6 6.7 230.0 227.8 184.6 6.7 230.0 220.8 174.3 7.5 230.0 220.8 174.3 7.5 230.0 220.8 174.3 7.5 230.0 220.8 174.3 7.5 230.0 220.8 174.3 7.5 230.0 220.8 174.3 7.5 230.0 220.8 174.3 7.5 230.0 200.1 149.1 9.4 230.0 193.4 142.3 10.0 230.0 193.4 142.3 10.0 230.0 193.4 142.3 10.0 230.0 193.4 142.3 10.0 230.0 193.4 142.3 10.0 230.0 193.4 142.3 10.0 230.0 186.8 136.2 10.5 230.0 180.0 130.8 11.0 230.0 180.0 130.0 12	Amtps I Imain (A) 5 2.546 5 2.353 3 2.210 1 2.138 5 2.166 2.290 2.302 2.510 4 2.500 4 2.936 4 3.405 1 4.069 2 4.520	1aux (A) 2.068 2.035 1.997 1.942 1.891 1.844 1.847 1.842 1.806 1.799 1.751 1.702 1.639 1.598	Fixture #4 watts 157 218 287 364 449 541 536 547 628 644 756 871 1031	RPM 1790 1778 1766 1751 1735 1718 1719 1717 1700 1696 1673 1646	Tq(Oz-ft) 0.00 4.03 9.03 14.12 19.34 24.70 24.44 25.00 29.51 30.57 36.32 41.88	0.000 0.085 0.190 0.294 0.399 0.505 0.500 0.511 0.597 0.617 0.724	0.0 29.1 49.3 60.3 66.3 69.6 69.7 71.0 71.5 71.4	46.0 59.5 69.7 76.8 81.9 85.4 85.2 85.5 87.4 87.7	20.1 20.0 20.0 20.0 20.1 20.1 20.1 20.1
Special Points Vline(V) Vaux (V) Vcap(V) Iline (I) 230.0 266.2 273.4 1.4 230.0 266.4 269.4 1.5 230.0 266.2 264.2 1.7 230.0 266.5 257.5 2.0 230.0 261.9 250.0 2.3 24.7 OZ-FT 230.0 259.1 243.2 2.7 0.5 HP 230.0 259.3 243.6 2.7 1700 RPM 230.0 258.9 242.8 2.7 1700 RPM 230.0 256.5 237.0 3.1 230.0 255.9 235.9 3.1 230.0 252.5 228.2 3.6 230.0 248.7 220.4 4.2 230.0 248.7 220.4 4.2 230.0 239.9 204.3 5.3 230.0 239.9 204.3 5.3 230.0 227.8 184.6 6.7 230	1) Imain (A) 15 2.546 15 2.353 13 2.210 11 2.138 15 2.166 16 2.290 15 2.280 19 2.302 12 2.510 14 2.936 14 2.936 14 3.405 11 4.069 12 4.520	1aux (A) 2.068 2.035 1.997 1.942 1.891 1.844 1.847 1.842 1.806 1.799 1.751 1.702 1.639 1.598	Watts 157 218 287 364 449 541 536 547 628 644 756 871 1031	1790 1778 1766 1751 1735 1718 1719 1717 1700 1696 1673 1646	0.00 4.03 9.03 14.12 19.34 24.70 24.44 25.00 29.51 30.57 36.32 41.88	0.000 0.085 0.190 0.294 0.399 0.505 0.500 0.511 0.597 0.617 0.724	0.0 29.1 49.3 60.3 66.3 69.6 69.7 71.0 71.5 71.4	46.0 59.5 69.7 76.8 81.9 85.4 85.2 85.5 87.4 87.7	20.1 20.0 20.0 20.0 20.1 20.1 20.1 20.1
230.0 266.2 273.4 1.4 230.0 266.4 269.4 1.5 230.0 266.2 264.2 1.7 230.0 264.5 257.5 2.0 230.0 261.9 250.0 2.3 24.7 OZ-FT 230.0 259.1 243.2 2.7 0.5 HP 230.0 259.3 243.6 2.7 1700 RPM 230.0 258.9 242.8 2.7 230.0 256.5 237.0 3.1 230.0 255.9 235.9 3.1 230.0 255.9 235.9 3.1 230.0 252.5 228.2 3.6 230.0 248.7 220.4 4.2 230.0 248.7 220.4 4.2 230.0 248.6 210.7 4.9 230.0 239.9 204.3 5.3 230.0 239.9 204.3 5.3 230.0 234.4 194.9 6.0 230.0 239.9 165.2 8.2 230.0 227.8 184.6 6.7 230.0 227.8 184.6 6.7 230.0 227.8 184.6 6.7 230.0 220.8 174.3 7.5 230.0 220.8 174.3 7.5 230.0 207.0 156.9 8.8 BDT OZ-FT 230.0 207.0 156.9 8.8 BDT OZ-FT 230.0 200.1 149.1 9.4 230.0 193.4 142.3 10.0 230.0 186.8 136.2 10.5 230.0 186.8 136.2 10.5	2.546 2.353 3 2.210 1 2.138 5 2.166 6 2.290 5 2.280 9 2.302 2.510 4 2.560 4 2.936 4 3.405 1 4.069 2 4.520	2.068 2.035 1.997 1.942 1.891 1.844 1.847 1.842 1.806 1.799 1.751 1.702 1.639 1.598	157 218 287 364 449 541 536 547 628 644 756 871 1031	1790 1778 1766 1751 1735 1718 1719 1717 1700 1696 1673 1646	0.00 4.03 9.03 14.12 19.34 24.70 24.44 25.00 29.51 30.57 36.32 41.88	0.000 0.085 0.190 0.294 0.399 0.505 0.500 0.511 0.597 0.617 0.724	0.0 29.1 49.3 60.3 66.3 69.6 69.7 71.0 71.5 71.4	46.0 59.5 69.7 76.8 81.9 85.4 85.2 85.5 87.4 87.7	20.1 20.0 20.0 20.0 20.1 20.1 20.1 20.1
230.0 266.4 269.4 1.50 230.0 266.2 264.2 1.70 230.0 264.5 257.5 2.00 230.0 261.9 250.0 2.33 24.7 OZ-FT 230.0 259.1 243.2 2.70 0.5 HP 230.0 259.3 243.6 2.70 1700 RPM 230.0 258.9 242.8 2.70 1700 RPM 230.0 255.5 237.0 3.10 230.0 255.9 235.9 3.10 230.0 255.5 228.2 3.60 230.0 248.7 220.4 4.20 230.0 248.7 220.4 4.20 230.0 248.6 210.7 4.90 230.0 239.9 204.3 5.33 230.0 239.9 204.3 5.33 230.0 227.8 184.6 6.70 230.0 227.8 184.6 6.70 230.0 227.8 184.6 6.70 230.0 227.8 184.6 6.70 230.0 227.8 184.6 6.70 230.0 220.8 174.3 7.50 230.0 220.8 174.3 7.50 230.0 200.1 149.1 9.40 230.0 230.0 193.4 142.3 10.00 230.0 186.8 136.2 10.55 230.0 186.8 136.2 10.55	2.353 2.210 1 2.138 5 2.166 6 2.290 5 2.280 2 2.302 2 2.510 4 2.560 4 2.936 4 3.405 1 4.069 2 4.520	2.035 1.997 1.942 1.891 1.844 1.847 1.842 1.806 1.799 1.751 1.702 1.639 1.598	218 287 364 449 541 536 547 628 644 756 871 1031	1778 1766 1751 1735 1718 1719 1717 1700 1696 1673 1646	4.03 9.03 14.12 19.34 24.70 24.44 25.00 29.51 30.57 36.32 41.88	0.085 0.190 0.294 0.399 0.505 0.500 0.511 0.597 0.617 0.724	29.1 49.3 60.3 66.3 69.6 69.7 71.0 71.5 71.4	59.5 69.7 76.8 81.9 85.4 85.2 85.5 87.4 87.7	20.0 20.0 20.0 20.1 20.1 20.1 20.1 20.2 20.2
230.0 266.2 264.2 1.7 230.0 264.5 257.5 2.0 230.0 261.9 250.0 2.3 24.7 OZ-FT 230.0 259.1 243.2 2.7 0.5 HP 230.0 258.9 242.8 2.7 1700 RPM 230.0 256.5 237.0 3.1 230.0 258.9 242.8 2.7 230.0 256.5 237.0 3.1 230.0 255.9 235.9 3.1 230.0 255.5 228.2 3.6 230.0 255.5 228.2 3.6 230.0 243.6 210.7 4.9 230.0 243.6 210.7 4.9 230.0 239.9 204.3 5.3 230.0 234.4 194.9 6.0 230.0 234.4 194.9 6.0 230.0 227.8 184.6 6.7 230.0 227.8 184.6 6.7 230.0 220.8 174.3 7.5 230.0 220.8 174.3 7.5 230.0 220.8 174.3 7.5 230.0 220.8 174.3 7.5 230.0 220.8 174.3 7.5 230.0 213.9 165.2 8.2 230.0 200.1 149.1 9.4 230.0 193.4 142.3 10.0 230.0 193.4 142.3 10.0 230.0 186.8 136.2 10.5 230.0 186.8 136.2 10.5	2.210 2.138 5 2.166 6 2.290 5 2.280 9 2.302 2 2.510 4 2.560 4 2.936 4 3.405 1 4.069 2 4.520	1.997 1.942 1.891 1.844 1.847 1.842 1.806 1.799 1.751 1.702 1.639 1.598	287 364 449 541 536 547 628 644 756 871 1031	1766 1751 1735 1718 1719 1717 1700 1696 1673 1646	9.03 14.12 19.34 24.70 24.44 25.00 29.51 30.57 36.32 41.88	0.190 0.294 0.399 0.505 0.500 0.511 0.597 0.617 0.724	49.3 60.3 66.3 69.6 69.6 69.7 71.0 71.5	69.7 76.8 81.9 85.4 85.2 85.5 87.4 87.7	20.0 20.0 20.1 20.1 20.1 20.1 20.2 20.2
230.0 264.5 257.5 2.00 230.0 261.9 250.0 2.33 24.7 OZ-FT 230.0 259.1 243.2 2.73 0.5 HP 230.0 258.9 242.8 2.73 1700 RPM 230.0 256.5 237.0 3.13 230.0 255.9 235.9 3.13 230.0 255.5 228.2 3.66 230.0 248.7 220.4 4.22 230.0 248.7 220.4 4.22 230.0 248.6 210.7 4.99 230.0 239.9 204.3 5.33 230.0 239.9 204.3 5.33 230.0 234.4 194.9 6.00 230.0 227.8 184.6 6.73 230.0 227.8 184.6 6.73 230.0 220.8 174.3 7.55 230.0 220.8 174.3 7.55 230.0 220.8 174.3 7.55 230.0 200.1 156.9 8.88 BDT OZ-FT 230.0 200.1 149.1 9.43 230.0 193.4 142.3 10.00 230.0 186.8 136.2 10.55 230.0 186.8 136.2 10.55 230.0 186.8 136.2 10.55	1 2.138 5 2.166 6 2.290 5 2.280 9 2.302 2 2.510 4 2.560 4 2.936 4 3.405 1 4.069 2 4.520	1.942 1.891 1.844 1.847 1.842 1.806 1.799 1.751 1.702 1.639 1.598	364 449 541 536 547 628 644 756 871 1031	1751 1735 1718 1719 1717 1700 1696 1673 1646	14.12 19.34 24.70 24.44 25.00 29.51 30.57 36.32 41.88	0.294 0.399 0.505 0.500 0.511 0.597 0.617 0.724	60.3 66.3 69.6 69.6 69.7 71.0 71.5 71.4	76.8 81.9 85.4 85.2 85.5 87.4 87.7	20.0 20.1 20.1 20.1 20.1 20.2 20.2 20.3
24.7 OZ-FT 230.0 259.1 243.2 2.75 0.5 HP 230.0 259.3 243.6 2.75 1700 RPM 230.0 256.5 237.0 3.15 230.0 255.9 235.9 3.16 230.0 255.5 228.2 3.66 230.0 248.7 220.4 4.22 230.0 248.6 210.7 4.96 230.0 239.9 204.3 5.36 230.0 239.9 204.3 5.36 230.0 234.4 194.9 6.00 230.0 227.8 184.6 6.76 230.0 227.8 184.6 6.76 230.0 220.8 174.3 7.55 230.0 220.8 174.3 7.55 230.0 207.0 156.9 8.88 BDT OZ-FT 230.0 205.5 154.8 9.00 230.0 193.4 142.3 10.00 230.0 186.8 136.2 10.55 230.0 186.8 136.2 10.55	2.290 2.280 9 2.302 2.510 4 2.560 4 2.936 4 3.405 1 4.069 2 4.520	1.844 1.847 1.842 1.806 1.799 1.751 1.702 1.639 1.598	541 536 547 628 644 756 871 1031	1718 1719 1717 1700 1696 1673 1646	24.70 24.44 25.00 29.51 30.57 36.32 41.88	0.505 0.500 0.511 0.597 0.617 0.724	69.6 69.6 69.7 71.0 71.5 71.4	85.4 85.2 85.5 87.4 87.7 89.2	20.1 20.1 20.1 20.2 20.2 20.3
0.5 HP 230.0 259.3 243.6 2.7 1700 RPM 230.0 256.5 237.0 3.1 230.0 255.9 235.9 3.1 230.0 255.5 228.2 3.6 230.0 248.7 220.4 4.2 230.0 248.6 210.7 4.9 230.0 239.9 204.3 5.3 230.0 234.4 194.9 6.0 230.0 227.8 184.6 6.7 230.0 227.8 184.6 6.7 230.0 220.8 174.3 7.5 230.0 220.8 174.3 7.5 230.0 200.1 149.1 9.4 230.0 230.0 193.4 142.3 10.0 230.0 186.8 136.2 10.5 230.0 180.0 130.8 11.0	2.280 2.302 2.510 4.2.560 4.2.936 4.3.405 1.4.069 2.4.520	1.847 1.842 1.806 1.799 1.751 1.702 1.639 1.598	536 547 628 644 756 871 1031	1719 1717 1700 1696 1673 1646	24.44 25.00 29.51 30.57 36.32 41.88	0.500 0.511 0.597 0.617 0.724	69.6 69.7 71.0 71.5 71.4	85.2 85.5 87.4 87.7 89.2	20.1 20.1 20.2 20.2 20.3
230.0 258.9 242.8 2.7 230.0 256.5 237.0 3.13 230.0 255.9 235.9 3.13 230.0 252.5 228.2 3.6 230.0 248.7 220.4 4.2 230.0 239.9 204.3 5.3 230.0 239.9 204.3 5.3 230.0 234.4 194.9 6.0 230.0 227.8 184.6 6.7 230.0 227.8 184.6 6.7 230.0 220.8 174.3 7.5 230.0 213.9 165.2 8.2 230.0 207.0 156.9 8.8 BDT OZ-FT 230.0 205.5 154.8 9.0 230.0 193.4 142.3 10.0 230.0 186.8 136.2 10.5 230.0 186.8 136.2 10.5	2 2.302 2 2.510 4 2.560 4 2.936 4 3.405 1 4.069 2 4.520	1.842 1.806 1.799 1.751 1.702 1.639 1.598	547 628 644 756 871 1031	1717 1700 1696 1673 1646	25.00 29.51 30.57 36.32 41.88	0.511 0.597 0.617 0.724	69.7 71.0 71.5 71.4	85.5 87.4 87.7 89.2	20.1 20.2 20.2 20.3
1700 RPM 230.0 256.5 237.0 3.13 230.0 255.9 235.9 3.13 230.0 252.5 228.2 3.6 230.0 248.7 220.4 4.2 230.0 243.6 210.7 4.9 230.0 239.9 204.3 5.3 230.0 234.4 194.9 6.0 230.0 227.8 184.6 6.7 230.0 227.8 184.6 6.7 230.0 220.8 174.3 7.5 230.0 213.9 165.2 8.2 230.0 207.0 156.9 8.8 BDT OZ-FT 230.0 205.5 154.8 9.0 230.0 200.1 149.1 9.4 230.0 193.4 142.3 10.0 230.0 186.8 136.2 10.5 230.0 186.8 136.2 10.5	2 2.510 4 2.560 4 2.936 4 3.405 1 4.069 2 4.520	1.806 1.799 1.751 1.702 1.639 1.598	628 644 756 871 1031	1700 1696 1673 1646	29.51 30.57 36.32 41.88	0.597 0.617 0.724	71.0 71.5 71.4	87.4 87.7 89.2	20.2 20.2 20.3
230.0 255.9 235.9 3.10 230.0 252.5 228.2 3.60 230.0 248.7 220.4 4.20 230.0 243.6 210.7 4.9 230.0 239.9 204.3 5.30 230.0 234.4 194.9 6.00 230.0 227.8 184.6 6.7 230.0 227.8 184.6 6.7 230.0 220.8 174.3 7.50 230.0 213.9 165.2 8.20 230.0 207.0 156.9 8.8 BDT OZ-FT 230.0 205.5 154.8 9.00 230.0 200.1 149.1 9.40 230.0 193.4 142.3 10.00 230.0 186.8 136.2 10.55 230.0 180.0 130.8 11.00	4 2.560 4 2.936 4 3.405 1 4.069 2 4.520	1.799 1.751 1.702 1.639 1.598	644 756 871 1031	1696 1673 1646	30.57 36.32 41.88	0.617 0.724	71.5 71.4	87.7 89.2	20.2
230.0 248.7 220.4 4.20 230.0 243.6 210.7 4.90 230.0 239.9 204.3 5.30 230.0 234.4 194.9 6.00 230.0 227.8 184.6 6.70 230.0 220.8 174.3 7.50 230.0 213.9 165.2 8.20 230.0 207.0 156.9 8.80 BDT OZ-FT 230.0 205.5 154.8 9.00 230.0 200.1 149.1 9.40 230.0 193.4 142.3 10.00 230.0 186.8 136.2 10.50 230.0 180.0 130.8 11.00	4 3.405 1 4.069 2 4.520	1.702 1.639 1.598	871 1031	1646	41.88				
BDT OZ-FT 230.0 243.6 210.7 4.9 230.0 239.9 204.3 5.3 230.0 234.4 194.9 6.0 230.0 227.8 184.6 6.7 230.0 220.8 174.3 7.5 230.0 213.9 165.2 8.2 230.0 207.0 156.9 8.8 25 230.0 205.5 154.8 9.0 230.0 205.5 154.8 9.0 230.0 200.1 149.1 9.4 230.0 193.4 142.3 10.0 230.0 186.8 136.2 10.5 230.0 180.0 130.8 11.0 230.0 180.0 180.0 130.8 11.0 230.0 180.0	1 4.069 2 4.520	1.639 1.598	1031			0.821	70.3	90.0	20.5
BDT OZ-FT 230.0 239.9 204.3 5.33 230.0 234.4 194.9 6.00 230.0 227.8 184.6 6.75 230.0 220.8 174.3 7.5 230.0 213.9 165.2 8.25 230.0 207.0 156.9 8.85 230.0 205.5 154.8 9.00 230.0 200.1 149.1 9.45 230.0 193.4 142.3 10.00 230.0 186.8 136.2 10.55 230.0 180.0 130.8 11.00	2 4.520	1.598			40 45	0.000		00.6	20 6
BDT OZ-FT 230.0 234.4 194.9 6.00 230.0 227.8 184.6 6.79 230.0 220.8 174.3 7.5 230.0 213.9 165.2 8.2 230.0 207.0 156.9 8.8 230.0 205.5 154.8 9.0 230.0 200.1 149.1 9.4 230.0 193.4 142.3 10.0 230.0 186.8 136.2 10.5 230.0 180.0 130.8 11.0			1124	1610 1585	48.46 51.81	0.929	67.2 64.9	90.6 90.6	20.6
230.0 220.8 174.3 7.5 230.0 213.9 165.2 8.2 230.0 207.0 156.9 8.8 BDT OZ-FT 230.0 205.5 154.8 9.0 230.0 200.1 149.1 9.4 230.0 193.4 142.3 10.0 230.0 186.8 136.2 10.5 230.0 180.0 130.8 11.0			1261	1546	56.54	1.041	61.6	90.5	20.9
230.0 213.9 165.2 8.2 230.0 207.0 156.9 8.8 BDT OZ-FT 230.0 205.5 154.8 9.0 230.0 200.1 149.1 9.4 230.0 193.4 142.3 10.0 230.0 186.8 136.2 10.5 230.0 180.0 130.8 11.0		1.471	1408	1500	60.72	1.084	57.5	90.1	21.1
230.0 207.0 156.9 8.8 BDT OZ-FT 230.0 205.5 154.8 9.0 230.0 200.1 149.1 9.4 230.0 193.4 142.3 10.0 230.0 186.8 136.2 10.5 230.0 180.0 130.8 11.0		1.401	1553	1448	63.78	1.099	52.8	89.5	21.3
BDT OZ-FT 230.0 205.5 154.8 9.00 230.0 200.1 149.1 9.40 230.0 193.4 142.3 10.00 230.0 186.8 136.2 10.50 230.0 180.0 130.8 11.00		1.339 1.281	1680 1794	1395 1340	65.59 66.15	1.089	48.4 43.9	88.8 88.1	21.5 21.7
230.0 193.4 142.3 10.0 230.0 186.8 136.2 10.5 230.0 180.0 130.8 11.0		1.268	1825	1325	66.30	1.046	42.8	87.9	21.7
230.0 186.8 136.2 10.5 230.0 180.0 130.8 11.0	8.958	1.226	1893	1281	65.83	1.004	39.6	87.3	21.8
230.0 180.0 130.8 11.0		1.175	1990	1219	64.53	0.937	35.1	86.5	21.9
		1.134	2076 2154	1155 1086	62.43 59.78	0.858	30.8 26.8	85.8 85.0	22.1
		1.058	2218	1017	56.32	0.682	22.9	84.2	22.2
230.0 166.9 123.0 11.8	3 11.756	1.026	2278	943	52.11	0.585	19.2	83.5	22.1
230.0 160.4 120.5 12.2		1.001	2330	866	47.70	0.492	15.7	82.7	22.0
230.0 153.8 119.1 12.5 230.0 147.4 119.0 12.8		0.978 0.958	2369 2403	785 698	42.82 38.06	0.400	12.6 9.8	81.9 81.2	21.8
230.0 142.4 119.8 13.0		0.941	2426	611	35.39	0.258	7.9	80.7	20.8
230.0 139.3 119.8 13.1		0.933	2448	528	34.55	0.217	6.6	80.7	20.7
230.0 135.4 118.9 13.3		0.931	2470	438	32.31	0.169	5.1	80.5	20.8
230.0 129.8 118.8 13.4 230.0 123.5 119.7 13.5		0.938 0.951	2495 2503	335 218	25.54 20.82	0.102	3.0 1.6	80.5 80.1	21.0 21.1
230.0 117.8 122.2 13.6		0.976	2515	112	16.51	0.022	0.7	80.2	21.2
							Ľ	DAWING NO	DAGE 7 of 0
							II D	RAWING NO.	FAGE / UI 8





Wiring Diagram



1YAZ9BG REV. **CONNECTIONS** 115 VOLTS **230 VOLTS** YEL RED RED BLU · -LINE YEL PLASTIC POCKET ROTATION IS CCW LEAD AND REV. TO REVERSE ROTATION INTERCHANGE RED AND BLACK LEADS

DRAWING NO. PAGE 1 of 1 REV. 1YAZ9BG 0

Dayton®

AGRICULTURAL FAN MOTOR

HP: 1/3	2
----------------	---

VOLTS: 115/230 AMPS: 5.5/2.8

1YAZ9BG

PH· 1

RPM: 1700 **HZ**: 60

DUTY: CONT FR: 48YZ INS CL: F SF: 1.00

KVA CODE: E **AMB**: 40 °C **ENCL: TEAO**

SFA:

THERMALLY PROTECTED: AUTO

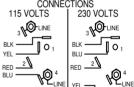
AVG. F.L. MFG. NO. PROT. CODE: 7A010 EFF.

MTR REF: K55HXNWS-2385





Disconnect Power Before Making Any **Electrical Connections or Changes** CONNECTIONS



PLASTIC POCKET ROTATION IS CCW LEAD AND REV. TO REVERSE BOTATION INTERCHANGE

RED AND BLACK LEADS

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

