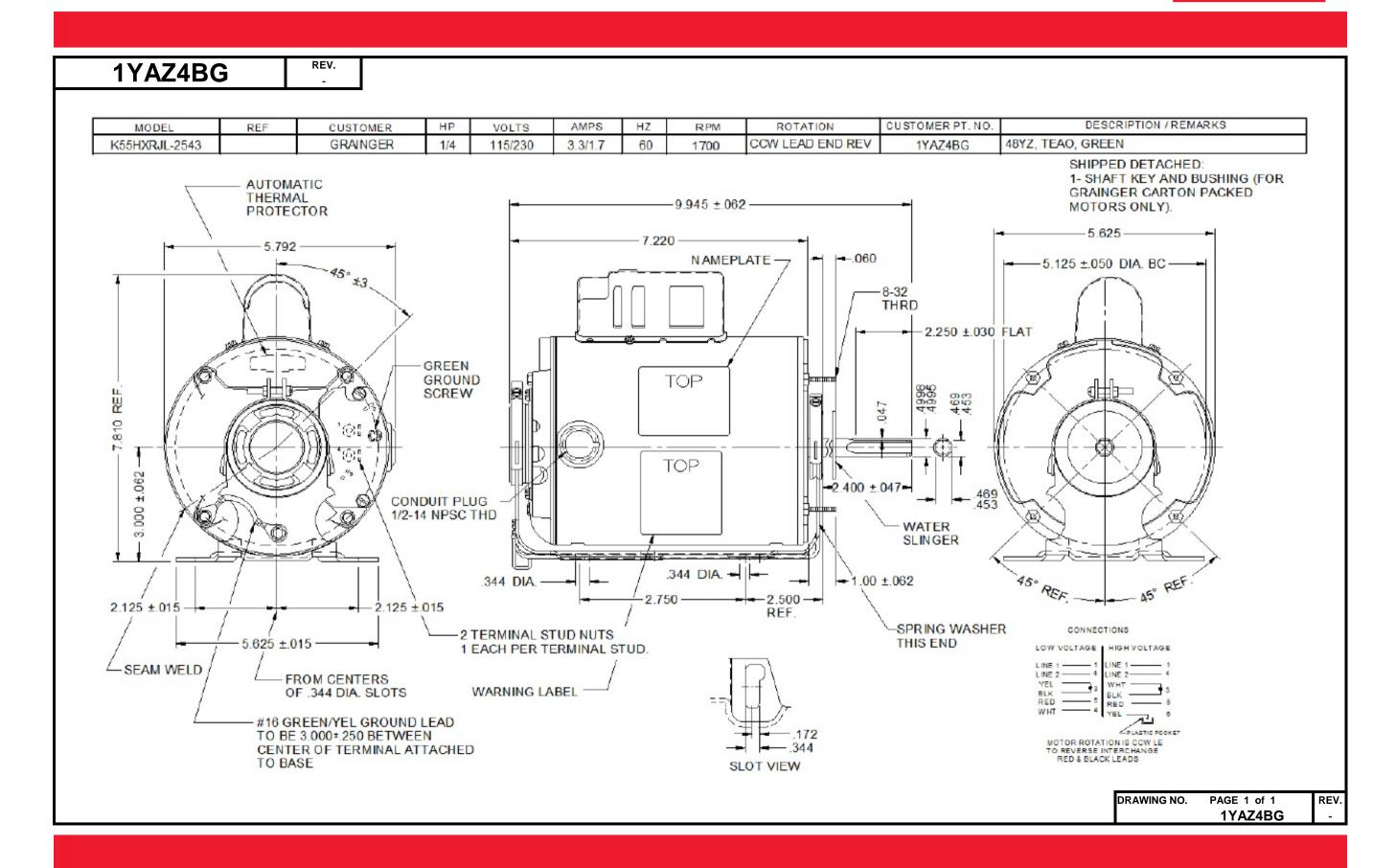
Dimensional Drawing





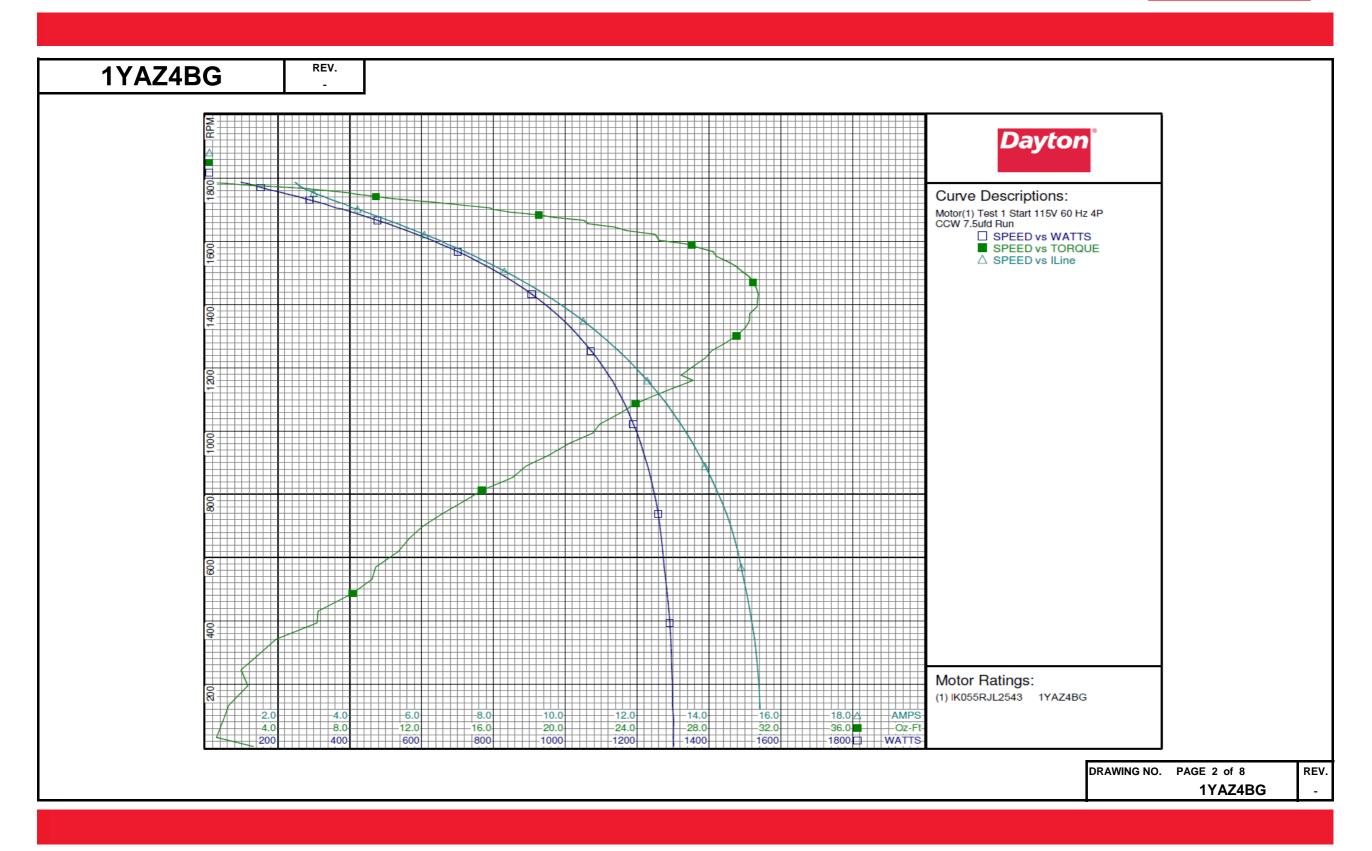


REV. 1YAZ4BG SHADED-POLE & PSC MOTOR PERFORMANCE HP: 1/4 Poles: 4 Ambient (°C): 40 Altitude (FASL): 1 No. of Speeds: HIGH SPEED 115/230 115 230 Volts: 60 HZ: 60 60 Service Factor: @ Rated Load Efficiency: 65.4 65.4 Power Factor: @ Rated Load 71.1 71.1 @ No Load Amps: @ Rated Load 3.5 1.8 @ Locked Rotor 7.6 14.8 @ Rated Load RPM: 1729 1730 Breakdown 32.8 33.5 Torques: Locked Rotor 2.6 2.9 Pull-Up 2.6 2.9 Rated Load 12.2 12.1 Service Factor 12.2 12.1 Watts: Rated Load 286 299 Temperature Rise: @ Rated Load Trip Temp (ºC) Thermal Protector: Start (Auxiliary) Winding Material: Cu Cu Run (Main) Cu Cu Run (MFD / Volts) 7.5 mFd, 440 v Capacitor(s): No. of Run Capacitors MEDIUM-HIGH SPEED HP: Volts: HZ: Efficiency: @ Rated Load @ Rated Load Power Factor: @ No Load Amps: @ Rated Load @ Locked Rotor Breakdown Torques: Locked Rotor Oz.Ft. / Lb.In. Pull-Up (Circle One) Rated Load @ Rated Load Watts: @ Rated Load Temperature Rise: DRAWING NO. PAGE 1 of 1 REV. 1YAZ4BG



IYAZ4BG	REV.										
				Day	yton Ma	nufactı	uring Con	npany			
Motor Des	cription					Test Co	nditions				
Model:	K055RJL2543	3 1YAZ4B	G	Test Type:	Start		Run Ca	ap:	7.5		
Motor ID:				Test Number	r: 1		Start C	ap:	0μfd		
Poles:	4			Poles:	4		Enviro	_	24.9 Deg C	51 % RH	961 hPa
Volts:	115/230			Volts:	115		Tested		7/26/2016 1		
Frequency:	60			Hz:	60		Tested		Navarro, Su		
HP:	1/4			Rotation:	CCW		Gear R		1:1	-511211	
Speed:	1700			Special Cond					-0.48 Oz-Ft		
Phase:	1 / 00			Speed Conn:					: -2.03 Oz-Ft		
Protector:	7AM036-A5			TestBoard:		ina Theac	Phase #2 Fi		2.03 OZ-Fi		
Protector.	/AIVI030-A3			residuatu.	CIVID III	Lille Tillee	Fliase #2 Ti	XIUIC #1			
Special Points	Vline(V)	Vaux (V)	Vcap (V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)	
PUT OZ-FT	115.0	13.8	119.2	15.434	1300.3	31	0.58	0.000	0.0	73.3	
	115.0	13.8	119.2	15.434	1300.3	31	0.58	0.000	0.0	73.3	
	115.0 115.0	17.1	115.5	15.389	1297.7 1293.5	194	2.32	0.005 0.016	0.3	73.3 73.7	
	115.0	22.7 28.5	113.5 111.5	15.268 15.048	1283.5	341 486	3.89 8.17	0.016	0.9 2.7	74.2	
14.85 AMPS	115.0	32.3	110.8	14.850	1273.0	593	10.05	0.071	4.2	74.5	
	115.0	33.1	110.5	14.803	1270.9	618	10.70	0.079	4.6	74.7	
	115.0	38.6	108.4	14.485	1258.5	738	13.15	0.116	6.9	75.6	
	115.0	45.5	106.8	14.049	1237.2	853	17.06	0.173	10.4	76.6	
	115.0	53.0	106.4	13.546	1209.8	961	20.21	0.231	14.3	77.7	
	115.0 115.0	60.6 69.8	107.2 109.6	12.991 12.282	1176.1 1130.6	1058 1160	23.08 27.11	0.291 0.374	18.4 24.7	78.7 80.0	
	115.0	76.7	112.6	11.697	1088.2	1230	27.77	0.407	27.9	80.9	
	115.0	84.8	116.9	10.999	1035.4	1302	29.54	0.458	33.0	81.9	
	115.0	93.5	122.6	10.224	973.8	1371	30.26	0.494	37.8	82.8	
	115.0	102.1	129.2	9.420	906.2	1433	30.74	0.524	43.2	83.7	
	115.0	110.6	136.7	8.591	832.1	1488	30.23	0.536	48.0	84.2	
	115.0 115.0	118.9 127.0	144.7 153.1	7.749 6.910	753.6 671.8	1538 1582	28.97 27.27	0.530 0.514	52.5 57.0	84.6 84.5	
	115.0	134.5	161.7	6.078	586.2	1622	25.01	0.483	61.4	83.9	
	115.0	141.2	169.7	5.330	506.4	1655	21.26	0.419	61.7	82.6	
	115.0	147.0	177.3	4.661	430.9	1683	18.53	0.371	64.3	80.4	
	115.0	151.7	183.7	4.083	362.2	1705	15.84	0.322	66.2	77.1	
	115.0	156.2	190.7	3.514	288.6	1731	11.20	0.231	59.6	71.4	
	115.0 115.0	159.1 161.0	195.8 200.3	3.104 2.799	228.8 176.3	1748 1762	8.43 6.28	0.175 0.132	57.2 55.7	64.1 54.8	
	115.0	162.4	203.6	2.619	141.6	1774	3.50	0.132	38.9	47.0	
2.766 OZ-FT	115.0	162.7	204.3	2.594	134.9	1776	2.77	0.058	32.2	45.2	
	115.0	163.7	206.6	2.519	113.8	1783	1.10	0.023	15.3	39.3	
	115.0	164.5	208.5	2.477	96.9	1787	0.03	0.001	0.4	34.0	
										DRAWING NO	PAGE 1 of 8
										DRAWING NO.	1YAZ4B

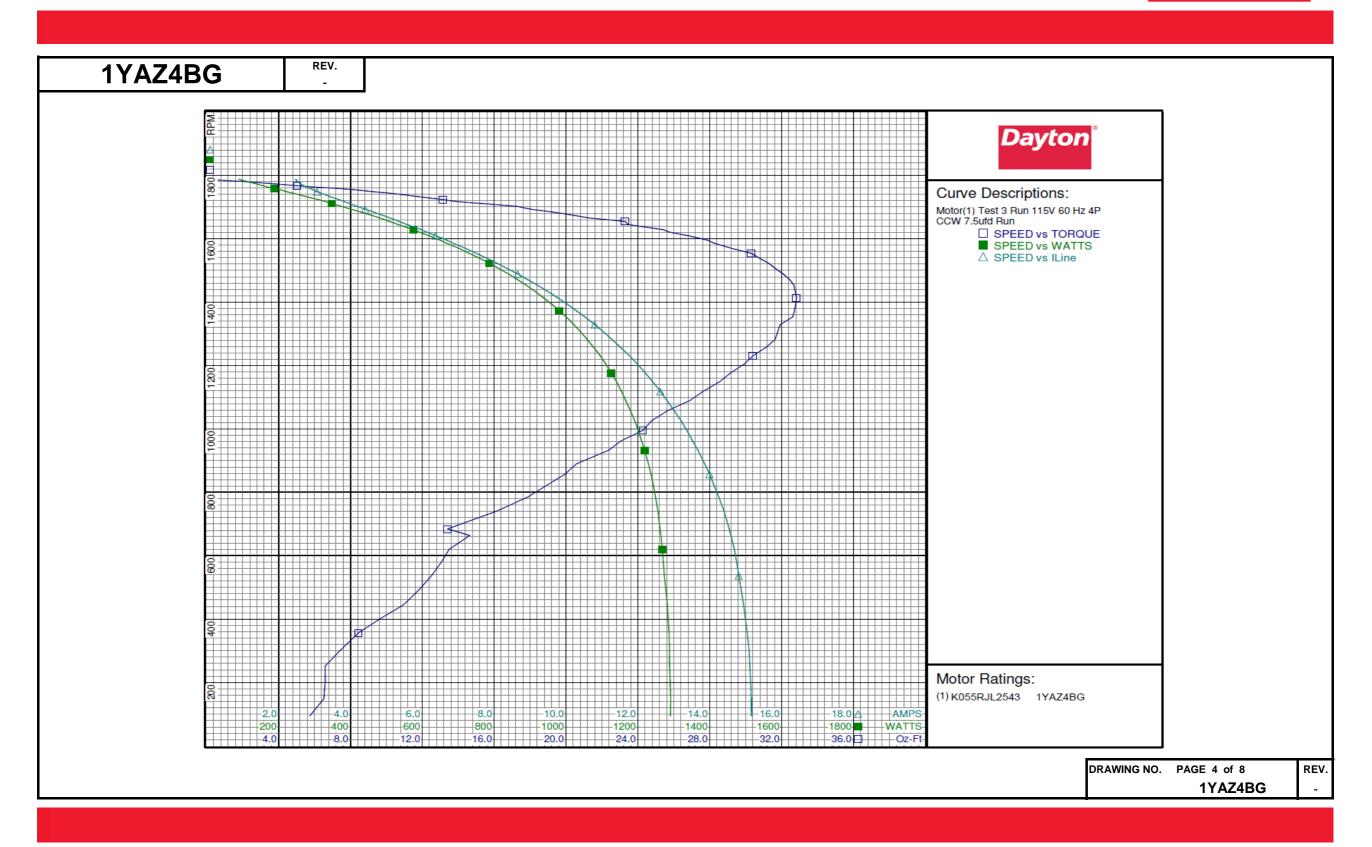






				Dav	ton Ma	nufacti	uring Con	nnanv			
Motor Doc	anintian			Day				npany			
Motor Des	K055RJL2543	3 1YAZ4B	C	Tost Type:		Test Co	nditions	·D:	7.5		
Model:	KU00RJLZ043) ITAZ4D	iG.	Test Type:	Run		Run Ca				
Motor ID:				Test Number:			Start C	-	0μfd	51 & DII	06110
Poles:	4			Poles:	4		Enviro		24.9 Deg C		961 hPa
Volts:	115/230			Volts:	115		Tested:		7/26/2016 1		
Frequency:	60			Hz:	60		Tested		Navarro, Su	sana	
HP:	1/4			Rotation:	CCW		Gear R	atio:	1:1		
Speed:	1700			Special Cond	:		Bearing	g Friction:	-0.45 Oz-Ft		
Phase:	1			Speed Conn:					:-1.91 Oz-Ft		
Protector:	7AM036-A5			TestBoard:	CMD Inl	Line Three	Phase #2 Fi				
Special Points	Vline(V)	Vaux (V)	Vcap(V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF (%)	
-	115.0	164.6	208.9	2.474	89.2	1787	0.00	0.000	0.0	31.3	
	115.0	163.9	207.2	2.509	104.5	1782	1.33	0.028	20.1	36.2	
	115.0	162.5	203.9	2.595	133.4	1774	3.51	0.074	41.5	44.7	
	115.0 115.0	161.3 159.2	200.7 196.2	2.771 3.073	170.7 222.5	1762 1747	6.07 9.29	0.127 0.193	55.6 64.8	53.6 63.0	
	115.0	156.6	191.0	3.492	285.0	1730	12.14	0.250		71.0	
12.18 OZ-FT	115.0	156.5	190.9	3.499	286.1	1729	12.18	0.251	65.4	71.1	
	115.0	152.6	184.9	3.972	347.5	1711	15.28	0.311	66.8	76.1	
	115.0	147.5	177.6	4.635	427.5	1684	19.21	0.385	67.2	80.2	
	115.0	141.5	169.7	5.345	508.2	1654	23.27	0.458	67.3	82.7	
	115.0 115.0	135.0 128.1	161.6 153.9	6.111 6.859	590.9 667.2	1621 1585	25.71 28.26	0.496 0.533	62.6 59.6	84.1 84.6	
	115.0	119.5	144.6	7.791	759.0	1538	30.77	0.563	55.4	84.7	
	115.0	111.0	136.3	8.659	840.3	1488	32.09	0.568	50.5	84.4	
	115.0	102.6	129.0	9.482	913.2	1434	32.75	0.559	45.7	83.7	
BDT OZ-FT	115.0	99.5	126.5	9.770	937.7	1413	32.82	0.552		83.5	
	115.0	94.0	122.3	10.285	980.8	1373	32.70	0.534	40.6	82.9	
	115.0	85.2	116.7	11.060	1041.9	1303	31.76	0.493	35.3	81.9	
	115.0	77.0	112.3	11.763	1094.7	1230	30.39	0.445	30.3	80.9	
	115.0	68.9	109.2		1140.1	1148	28.54	0.390		79.9	
	115.0 115.0	60.9 53.5	107.1	13.007 13.525	1178.7 1210.2	1057 961	25.64 23.03	0.323	20.4 16.2	78.8 77.8	
	115.0	46.2	106.8	13.993	1236.3	856	19.92	0.203	12.3	76.8	
	115.0	39.1	108.4	14.394	1255.6	740	16.13	0.142		75.9	
	115.0	33.5	110.5	14.678	1267.5	620	13.49	0.100		75.1	
	115.0	29.3	111.6	14.871	1277.5	491	11.80	0.069	4.0	74.7	
	115.0	23.3	113.0	15.039	1286.3	356	8.44	0.036	2.1	74.4	
	115.0	17.5	115.2	15.131	1289.5	203	6.60	0.016	0.9	74.1	

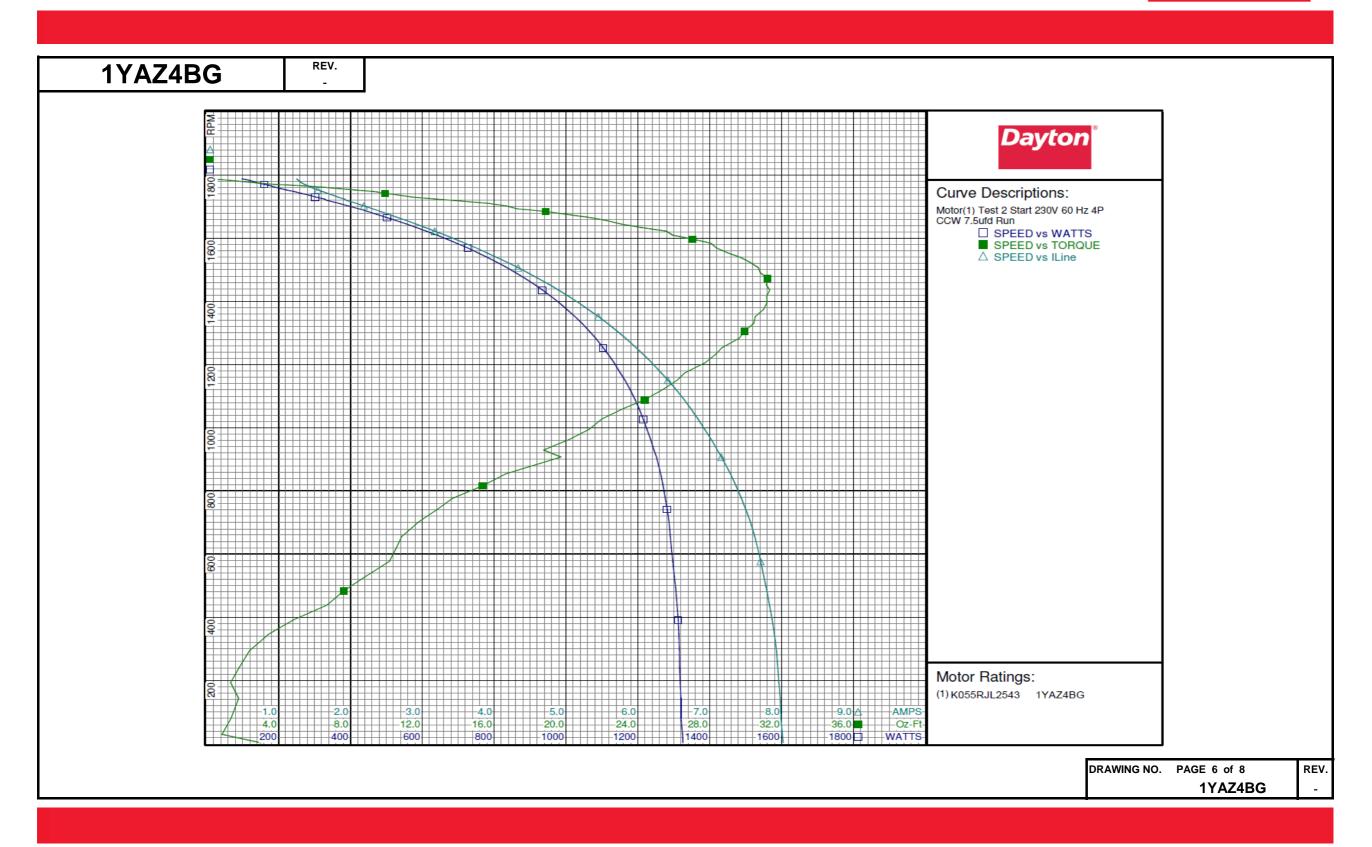






YAZ4BG	REV.										
				Da	yton Ma	nufactu	ıring Con	прапу			
Motor Des	cription					Test Co	nditions				
Model:	K055RJL2543	3 1YAZ4B	iG	Test Type:	Start		Run Ca	p:	7.5	•	
Motor ID:				Test Numbe			Start C	-	0μfd		
Poles:	4			Poles:	4		Environ		24.9 Deg C	51 % RH	961 hPa
Volts:	115/230			Volts:	230		Tested:		7/26/2016 1		301 III u
Frequency:	60			Hz:	60		Tested		Navarro, Su		
HP:	1/4			Rotation:	CCW		Gear R		1:1	isana	
Speed:	1700			Special Con					: -0.57 Oz-Ft		
Phase:	1			Speed Conn					:-2.17 Oz-Ft		
Protector:	7AM036-A5			TestBoard:	CMD Inl	Line Three	Phase #2 Fi	xture #1			
Special Points	Vline(V)	Vaux (V)	Vcap (V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)	
PUT OZ-FT	230.0 230.0	12.7 12.7	117.5	8.009	1323.8 1323.8	29	0.85	0.000	0.0	71.9	
	230.0	16.4	117.5 113.3	8.009 7.960	1317.3	29 193	0.85 1.33	0.000	0.0	71.9 71.9	
	230.0	22.0	111.2	7.899	1313.8	346	3.44	0.014	0.8	72.3	
	230.0	27.5	109.8	7.793	1305.5	484	7.63	0.044	2.5	72.8	
	230.0	32.3	108.9	7.665	1292.7	619	10.55	0.078	4.5	73.3	
	230.0 230.0	37.7 44.5	106.9 105.3	7.499 7.288	1281.1 1263.3	742 853	12.84 16.62	0.113 0.169	6.6 10.0	74.3 75.4	
7.118 AMPS	230.0	49.2	104.9	7.118	1246.2	924	18.98	0.209	12.5	76.1	
	230.0	51.8	104.9	7.020	1235.3	962	20.15	0.231	13.9	76.5	
	230.0	59.4	105.7	6.737	1203.1	1059	23.15	0.292	18.1	77.6	
	230.0	67.5	107.9	6.417	1163.5	1150	26.19	0.359	23.0	78.8	
	230.0 230.0	75.7 83.9	111.2 115.6	6.072 5.711	1116.8 1064.6	1232 1306	28.32 29.93	0.415 0.465	27.8 32.6	80.0 81.1	
	230.0	92.4	121.2	5.313	1003.0	1373	30.98	0.506	37.7	82.1	
	230.0	101.2	127.9	4.893	934.0	1435	31.33	0.535	42.8	83.0	
	230.0	109.6	135.3	4.471	860.4	1490	30.81	0.547	47.4	83.7	
	230.0	118.0	143.3	4.036	781.0	1539	29.71	0.544	52.0	84.1	
	230.0 230.0	126.1 133.6	151.9 160.3	3.595 3.175	695.6 610.8	1583 1622	28.07 25.59	0.529 0.494	56.7 60.3	84.1 83.6	
	230.0	140.4	168.4	2.777	526.6	1656	22.25	0.439	62.1	82.4	
	230.0	146.5	176.1	2.418	448.0	1684	18.86	0.378	63.0	80.6	
	230.0	151.6	183.2	2.085	368.7	1710	15.71	0.320	64.7	76.9	
	230.0 230.0	155.7 158.5	189.4 194.3	1.819 1.606	302.2 241.8	1730 1748	11.36 9.26	0.234	57.8 59.4	72.2 65.5	
	230.0	160.7	198.9	1.436	187.2	1762	6.26	0.131	52.3	56.7	
5.509 OZ-FT	230.0	160.9	199.5	1.414	179.7	1765	5.51	0.116	47.9	55.2	
	230.0	162.1	202.5	1.333	148.3	1773	3.05	0.064	32.4	48.4	
	230.0	162.9	205.0	1.274	118.5	1783	1.26	0.027	16.9	40.5	
	230.0	163.8	207.2	1.250	97.5	1788	0.00	0.000	0.0	33.9	
										DRAWING NO.	PAGE 5 of 8
											1YAZ4B

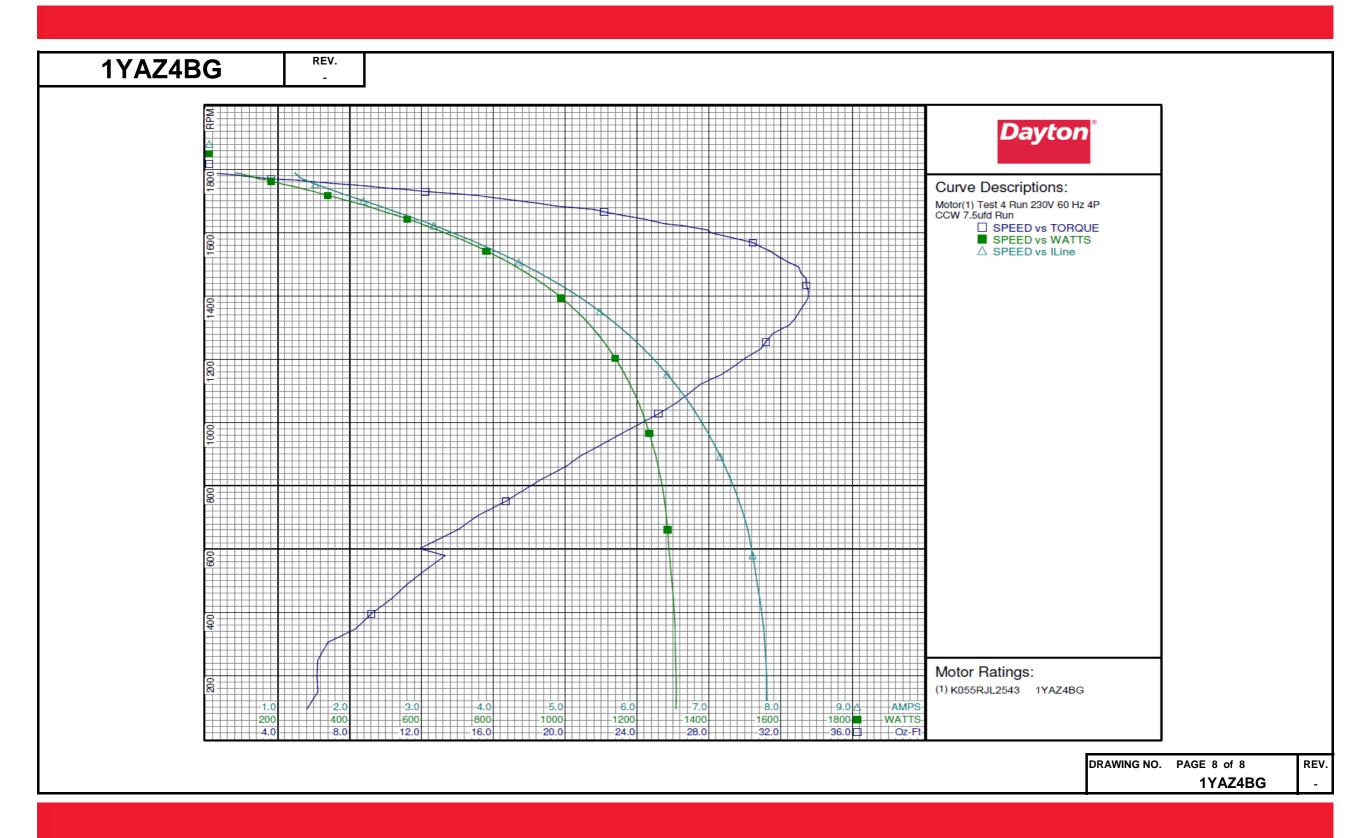






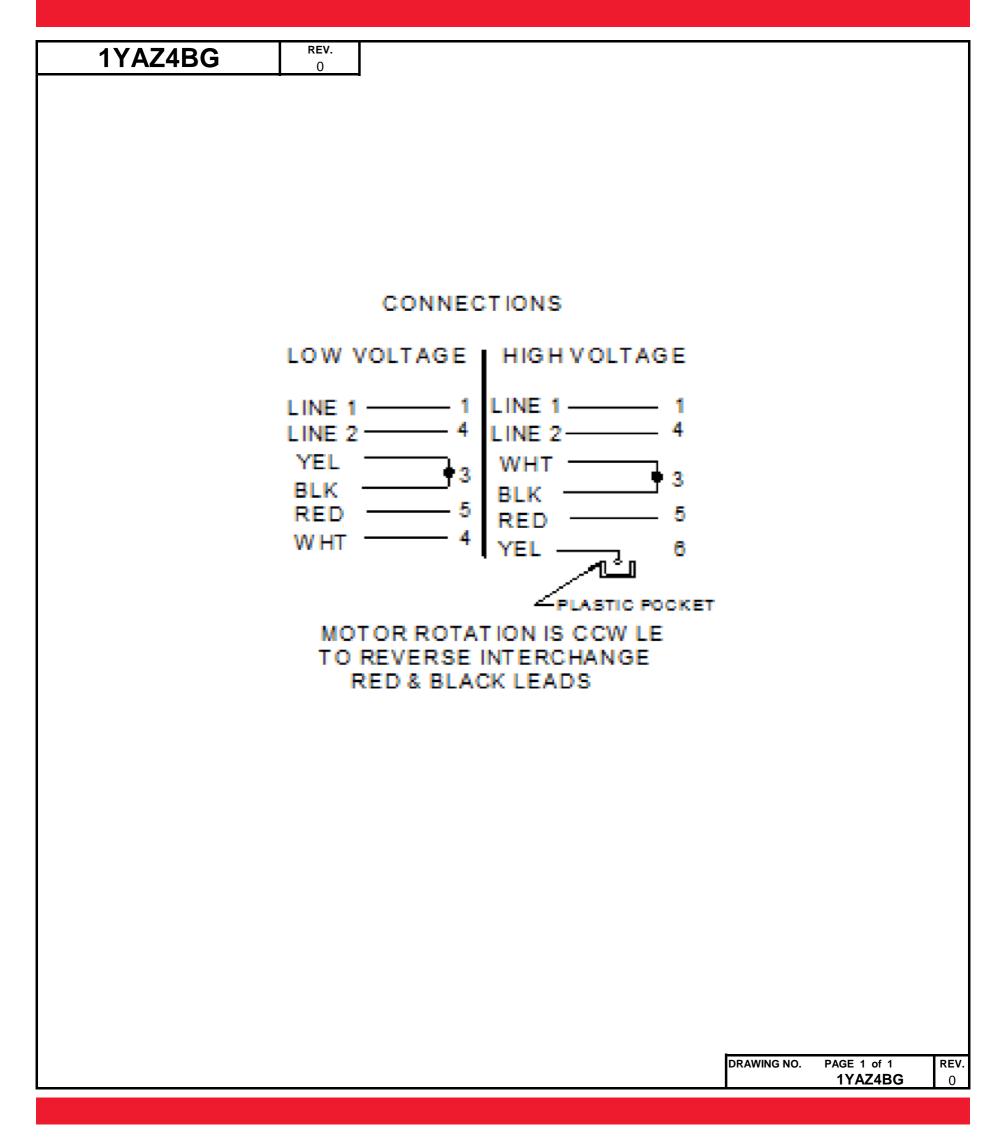
YAZ4BG	REV.										
				Day	ton Ma	nufactı	ıring Con	npany			
Motor Des	scription					Test Co	nditions				
Model:	K055RJL2543	3 1YAZ4B	3G	Test Type:	Run		Run Ca	ap:	7.5		
Motor ID:				Test Number:			Start C		0µfd		
Poles:	4			Poles:	4		Enviro		24.9 Deg C	51 % RH	961 hPa
Volts:	115/230			Volts:	230		Tested:		7/26/2016 1		301 III U
Frequency:	60			Hz:	60		Tested		Navarro, Su		
HP:	1/4			Rotation:	CCW		Gear R		1:1	isana	
Speed:	1700			Special Cond							
_	1 /00				•				: -0.53 Oz-Ft		
Phase:	7AM036-A5			Speed Conn: TestBoard:	CMD In	Lina Thrac	Phase #2 Fi		: -2.37 Oz-Ft		
Protector:	/AM030-A3			restboard.	CMD III	Line Tinee	Pilase #2 Fi	Xture #1			
Special Points	Vline(V)	Vaux (V)	Vcap(V)	Iline(A)	Watts	RPM		HP	Eff(%)	PF (%)	
	230.0 230.0	164.7 163.7	209.0 206.8	1.240 1.254	82.2 100.8	1789 1785	0.00 1.15	0.000	0.0 18.0	28.8 34.9	
	230.0	162.5	204.2	1.293	125.4	1777	2.37	0.024	29.8	42.2	
	230.0	161.3	200.4	1.382	167.7	1766	4.88	0.103	45.6	52.8	
	230.0	160.0	196.9	1.521	214.6	1753	7.67	0.160	55.6	61.4	
40.44.07.77	230.0	157.2	191.6	1.727	276.1	1737	11.11	0.230	62.0	69.5	
12.14 OZ-FT	230.0 230.0	155.9 153.4	189.4 185.7	1.808 1.969	298.6 339.4	1730 1717	12.14 15.11	0.250 0.309	62.5 67.9	71.8 74.9	
	230.0	148.5	178.4	2.312	424.1	1692	18.61	0.309	65.9	79.7	
	230.0	143.1	171.4	2.643	497.8	1666	22.18	0.440		81.9	
	230.0	135.1	161.6	3.118	599.6	1628	25.55	0.495	61.6	83.6	
	230.0	129.8	155.4	3.424	662.8	1599	28.10	0.535	60.2	84.1	
	230.0 230.0	121.2 112.8	146.0 137.6	3.910 4.356	758.7 841.8	1554 1506	30.92 32.42	0.572 0.581	56.2 51.5	84.4 84.0	
	230.0	104.4	130.0	4.785	917.5	1454	33.41	0.578	47.0	83.4	
BDT OZ-FT	230.0	98.5	125.1	5.076	966.9	1414	33.54	0.565	43.6	82.8	
	230.0	95.6	122.9	5.216	989.7	1394	33.52	0.556	41.9	82.5	
	230.0	87.2	117.1	5.604	1050.8	1330	32.81	0.520	36.9	81.5	
	230.0 230.0	78.5 70.4	112.2 108.6	5.987 6.325	1106.9 1153.3	1255 1176	31.16 29.38	0.466	31.4 26.6	80.4 79.3	
	230.0	62.4	106.2	6.638	1193.2	1090	26.84	0.348	21.8	78.2	
	230.0	55.0	105.0	6.906	1225.0	997	24.22	0.287		77.1	
	230.0	47.6	105.1	7.159	1252.4	892	20.80	0.221	13.2	76.1	
	230.0	40.6	106.1	7.370	1272.4	781	17.55	0.163		75.1	
	230.0 230.0	34.7 29.8	108.3 109.7	7.540 7.643	1285.3 1293.8	662 533	14.05 12.21	0.111	6.4 4.5	74.1 73.6	
	230.0	24.5	110.8	7.736	1303.9	395	9.21	0.078	2.5	73.3	
	230.0	18.6	112.8	7.793	1307.0	248	6.22	0.018	1.0	72.9	
	230.0	14.3	115.8	7.809	1308.2	94	5.61	0.006	0.4	72.8	
										DRAWING NO.	PAGE 7 of 8
											1YAZ4





Wiring Diagram







AGRICULTURAL FAN MOTOR

	FAN MO	<u> </u>	OR					
HP: 1/4 VOLTS: 115/230	BAR CODE	Part No	1YAZ4BG					
AMPS: 3.3/1.7 RPM : 1700	PH: 1 HZ: 60		Disconnect Power Before Making Any Electrical Connections or Change					
DUTY: CONT	FR: 48YZ		CONNECT	ONS				
SF: 1.00 KVA CODE: H ENCL: TEAO THERMALLY PROTEC MFG. NO: PROT. MTR REF: K55HXRJL	CODE: 7A010 AVG. F.L. EFF.		LINE 1 1 L LINE 2 4 L YEL 3 BLK 75	HIGH VOLTAGE LINE 1 2 4 WHT BLK RED 5				
E37403 258501			MOTOR ROTATION TO REVERSE INTE RED & BLACK L	ERCHANGE				
Mfd for Dayton Electri	ic Mfg. Co. Lake Forest II (6004	5 IISA 🗆 — —					