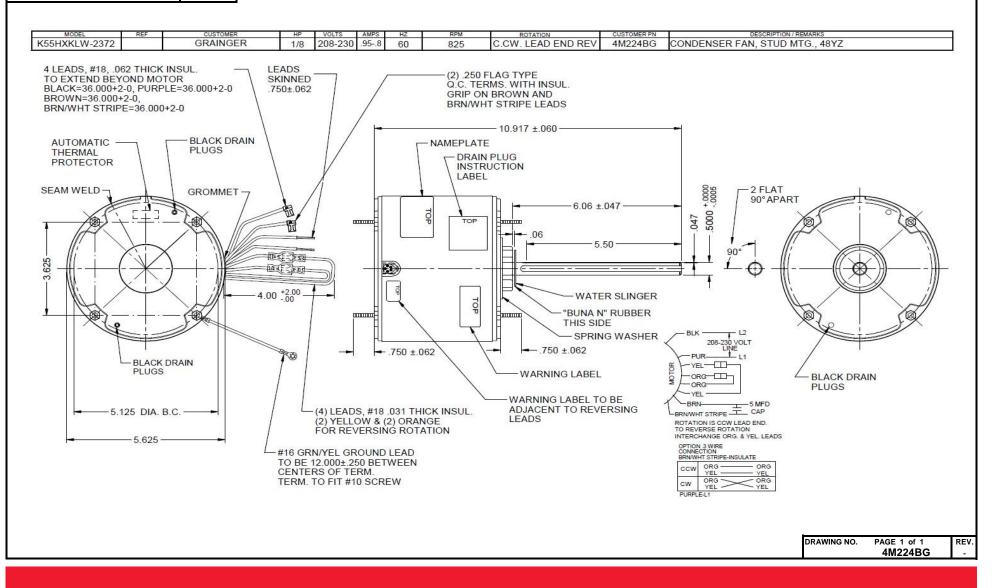
Dimensional Drawing

REV.



4M224BG



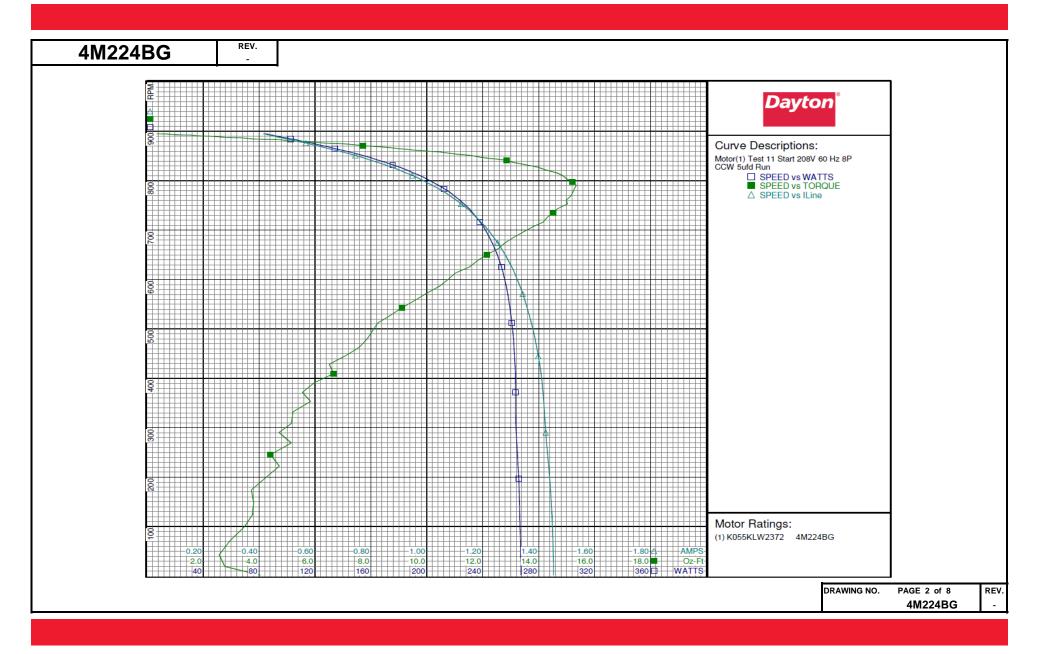


4M224BG	REV.										
	SHADED-POLE &	& PSC MO	DTOR	PERFC	ORMAN	ICE					
HP:	1/8										
Poles:	8								-		
Ambient (°C):	60								-		
Altitude (FASL):									-		
	1								-		
No. of Speeds:	I								_		
		HIGH SP									
Volts:	208-230	208	230						_		
HZ:	60	60	<mark>6</mark> 0						_		
Service Factor:	1				ļ	 			_		
Efficiency:	@ Rated Load	59.6	5.6						_		
Power Factor:	@ Rated Load	99.5	99.5			<u> </u>			_		
Amps:	@ No Load					<u> </u>			_		
	@ Rated Load	0.77	0.76								
	@ Locked Rotor	1.5	1.6						_		
RPM:	@ Rated Load	844	858						_		
Torques:	Breakdown	16.4	19.9						_		
	Locked Rotor	2.8	3.9						_		
	Pull-Up	2.6	3.9						_		
	Rated Load	12.7	12.7						_		
	Service Factor	12.7	12.7						_		
Watts:	Rated Load	160	173						_		
Temperature Rise:	@ Rated Load	88.1	88.7						_		
Thermal Protector:	Trip Temp (°C)		-						_		
Winding Material:	Start (Auxiliary)	Cu	Cu						_		
• • • • •	Run (Main)	Cu	Cu						_		
Capacitor(s):	Run (MFD / Volts)				5mFd, 440)v	·				
	No. of Run Capacitors								_		
	ME	DIUM-HIG	H SPE	ED							
HP:					•	•					
Volts:									_		
HZ:											
Efficiency:	@ Rated Load								_		
Power Factor:	@ Rated Load								_		
Amps:	@ No Load				ļ	 					
	@ Rated Load								_		
	@ Locked Rotor			ļ	ļ	 			_		
Torques:	Breakdown				ļ	 					
Oz.Ft. / Lb.In.	Locked Rotor										
(Circle One)	Pull-Up										
	Rated Load										
Watts:	@ Rated Load				ļ						
Temperature Rise:	@ Rated Load								_		
	-	·			•				_		
						DRAWING		BE 1 of 1 M224BG			



4M224BG	<u> </u>										
				Dayt	ton Mai	nufactu	iring Con	npany			
Motor Des	scription				,	Test Co	nditions				
Model:	K055KLW237	2 4M224	BG	Test Type:	Start		Run Ca	.p:	5		
Motor ID:	1			Test Number:	11		Start Ca	aD:	0µfd		
Poles:	8			Poles:	8		Enviror		24.6 Deg C	29 % RH	970 hPa
Volts:	208-230			Volts:	208		Tested:		1/28/2016 3		
Frequency:	60			Hz:	60		Tested		Navarro, Su		
HP:	1/8			Rotation:	CCW		Gear R		1:1	Sana	
Speed:	825			Special Cond:	cc				-0.25 Oz-Ft		
Phase:	1			Speed Conn:					:-0.64 Oz-Ft		
Protector:	7AM036-A5			TestBoard:	CMD Int	ina Thraa	Phase #1 Fiz		0.04 OZ-Ft		
Protector:	/AM050-A5			restboard:	CMD III	ine mee	Phase #1 FL	xture #1			
Special Points	Vline(V)	Vaux (V)	Vcap(V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF (%)	
PUT OZ-FT	208.0 208.0	63.6 63.6	251.6 250.8	1.453 1.452	267.3 266.9	19 43	2.769 2.569	0.001 0.001	0.2 0.4	88.4 88.4	
P01 02-F1	208.0	64.2	249.7	1.449	266.7	99	3.467	0.004	1.1	88.5	
	208.0	65.3	247.8	1.442	266.0	174	3.721	0.008	2.2	88.7	
	208.0	66.6	245.9	1.432	264.8	245	4.404	0.013	3.6	88.9	
	208.0	68.4 71.5	243.8 242.0	1.423 1.416	263.6 263.5	309 371	5.155 5.548	0.019	5.4 6.9	89.1 89.5	
	208.0	75.4	242.0	1.404	263.0	429	6.508	0.023	9.4	90.1	
	208.0	80.0	239.9	1.387	262.0	480	7.861	0.045	12.8	90.8	
	208.0	85.2	239.3	1.366	260.2	528	8.700	0.055	15.7	91.5	
	208.0	91.2 98.5	239.1 239.6	1.343 1.314	257.9 254.6	571 613	9.959 11.004	0.068	19.6 23.5	92.3 93.1	
	208.0	107.2	241.2	1.280	250.3	651	12.154	0.094	28.1	94.0	
	208.0	117.1	243.9	1.239	244.8	685	13.099	0.107	32.6	95.0	
	208.0	128.1	248.0	1.194	238.1	716	14.161	0.121	37.8	95.9	
	208.0	139.5 153.0	253.4 261.7	1.146 1.085	230.5	743 768	14.662 15.136	0.130	42.0 46.9	96.7 97.5	
	208.0	166.9	271.4	1.020	208.3	791	15.344	0.138	51.7	98.2	
	208.0	181.3	283.2	0.948	194.7	811	14.844	0.143	54.9	98.7	
	208.0	195.2	295.8	0.874	180.2	827	13.961	0.138	56.9	99.2	
	208.0	208.6 221.1	308.9 322.2	0.798	165.1 150.1	841 854	12.858 10.976	0.129	58.2 55.5	99.5 99.6	
	208.0	232.5	335.7	0.648	134.3	865	9.013	0.093	51.5	99.7	
	208.0	241.9	347.4	0.582	120.6	874	7.202	0.075	46.4	99.6	
	208.0	249.2	356.7	0.530	109.6	880	5.127	0.054	36.6	99.4	
	208.0	255.5 259.8	365.6 371.9	0.479 0.446	98.6 91.2	887 891	3.302	0.035	26.4 15.6	98.9 98.4	
	208.0	262.3	375.6	0.423	85.9	894	0.697	0.007	6.4	97.5	
	208.0	263.6	377.8	0.415	83.9	895	0.335	0.004	3.2	97.3	
										DRAWING NO.	PAGE 1 of 8

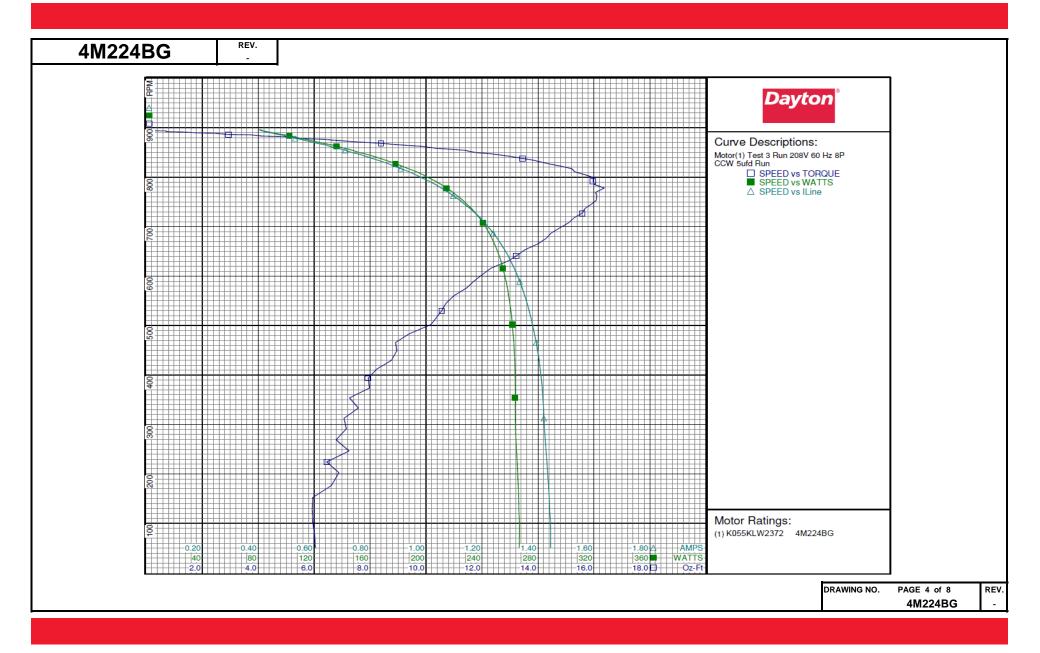






4M224BG	-										
				Day	ton Ma	nufactu	iring Co	mpany			
Motor Des	cription					Test Co	nditions				
Model:	K055KLW237	72 4M224	BG	Test Type:	Run		Run C	ap:	5		
Motor ID:	1			Test Number:	3		Start C		0µfd		
Poles:	8			Poles:	8			onment:	24.6 Deg C	29 % RH	970 hPa
Volts:	208-230			Volts:	208		Tested		1/28/2016 3		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Frequency:	60			Hz:	60		Tested		Navarro, Su		
HP:	1/8			Rotation:	CCW		Gear I		1:1	isana	
				Special Cond:	CC W				-0.28 Oz-Ft		
Speed: 825 Phase: 1 Protector: 7AM036-A5		Speed Conn:		:-0.28 OZ-Ft							
				TestBoard:	CMD Int	ing Three	Phase #1 F		0./1 Oz-Ft		
FIOLECIOI.	/AM050-A5			Testboard.	CMD III	and three	rnase #1_1	Ixtuic #1			
Special Points	Vline(V)	Vaux (V)	Vcap(V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)	
	208.0	264.4 262.8	378.7 376.4	0.403 0.416	81.2 84.4	896 893	0.000	0.000	0.0	96.9 97.5	
	208.0	259.3	371.4	0.444	90.7	890	1.739	0.018	15.1	98.3	
	208.0	254.7	364.7	0.481	99.1	886	3.713	0.039	29.5	99.0	
	208.0	248.0	355.6	0.532	110.0	878	5.462	0.057	38.7	99.4	
	208.0	240.2 230.7	345.5 333.5	0.590	122.1 136.1	871 862	7.554 9.846	0.078	47.9 55.4	99.5 99.7	
	208.0	218.8	320.0	0.733	151.8	862	11.734	0.101	58.4	99.6	
12.71 OZ-FT	208.0	212.6	313.1	0.772	159.8	844	12.710	0.128	59.6	99.5	
	208.0	206.6	306.6	0.808	167.2	838	13.448	0.134	59.8	99.4	
	208.0	192.8 178.2	293.0 279.8	0.886	182.8 198.1	822 804	14.807 15.715	0.145	59.2 56.7	99.1 98.7	
	208.0	164.2	268.8	1.034	211.0	785	16.022	0.150	52.9	98.1	
BDT OZ-FT	208.0	160.1	265.7	1.054	214.6	778	16.371	0.152	52.7	97.9	
	208.0	150.8	259.6	1.097	222.2	762	16.097	0.146	49.0	97.4	
	208.0	137.3 125.2	251.7 246.0	1.158 1.210	232.5 240.7	736 708	15.674 15.093	0.137	44.1 39.4	96.5 95.7	
	208.0	125.2	246.0	1.210	240.7	676	14.290	0.127	39.4	94.7	
	208.0	104.6	239.9	1.293	252.3	641	13.227	0.101	29.8	93.8	
	208.0	96.5	238.9	1.325	256.0	603	12.009	0.086	25.1	92.9	
	208.0	89.3 83.4	238.7 239.1	1.352	259.0 261.2	560 515	10.994 10.353	0.073	21.1 18.1	92.1 91.3	
	208.0	78.5	239.9	1.394	262.7	466	8.906	0.049	14.0	90.6	
	208.0	74.3	241.0	1.408	263.5	411	8.225	0.040	11.4	90.0	
	208.0	70.7	242.3	1.417	263.7	354	7.263	0.031	8.7	89.5	
	208.0	67.8 66.2	244.2 246.3	1.423	263.9 265.1	291 224	7.147 6.447	0.025	7.0 4.8	89.1 89.0	
	208.0	65.0	248.3	1.440	266.1	152	5.946	0.011	3.0	88.9	
	208.0	64.0	250.2	1.445	266.8	76	6.017	0.005	1.5	88.8	
										DRAWING NO.	PAGE 3 of 8
											4M224BG

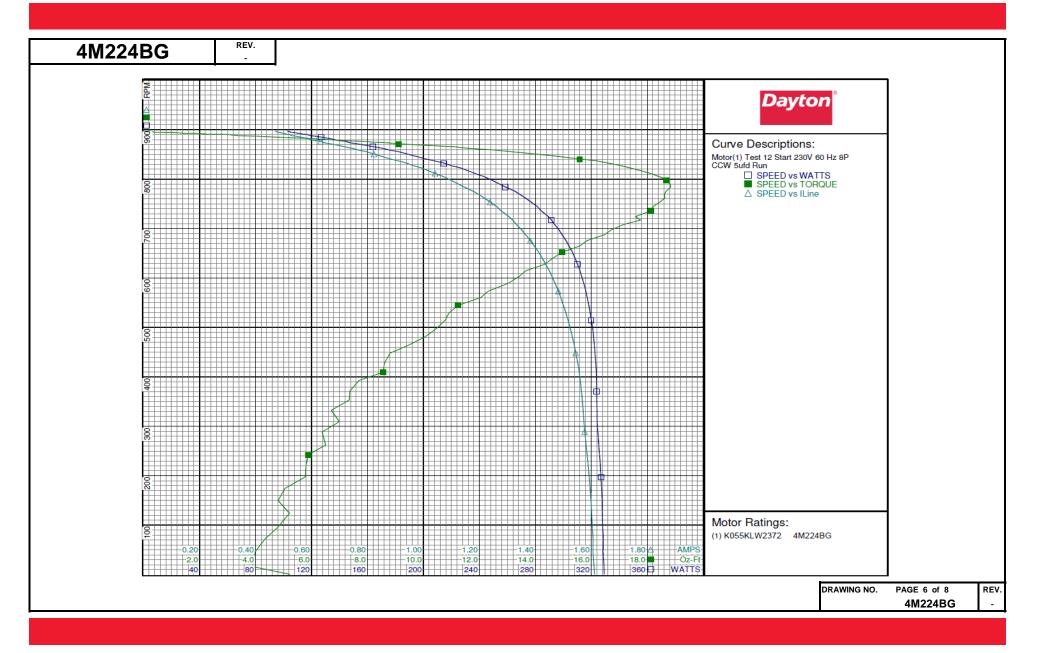






4M224BG	REV. -										
				Day	ton Ma	nufactu	iring Con	npany			
Motor Des	cription					Test Co	nditions				
Model: Motor ID: Poles: Volts: Frequency: HP: Speed: Phase: Protector:	K055KLW23 1 8 208-230 60 1/8 825 1 7AM036-A5		BG	Test Type: Test Number: Poles: Volts: Hz: Rotation: Special Cond: Speed Conn: TestBoard:	Start 12 8 230 60 CCW		Run Ca Start C Environ Tested: Tested Gear R Bearing	ap: nment: By: atio: g Friction: ge Torque	5 0µfd 24.6 Deg C 1/28/2016 3 Navarro, Su 1:1 -0.29 Oz-Ft :-0.81 Oz-Ft	:19:20 PM sana	970 hPa
Special Points PUT OZ-FT	Vline(V) 230.0	Vaux (V) 70.5	Vcap(V) 278.1	Iline(A) 1.610	Watts 329.1	RPM 16	Tq(Oz-ft) 3.888	HP 0.001	Eff(%) 0.2	PF(%) 88.9	
	230.0 230.0	70.5 71.4	278.1 276.1	1.610 1.604	329.1 328.2	16 95	3.888 4.792	0.001	0.2	88.9 89.0	
	230.0	72.7	274.0	1.595	327.3	174	5.050	0.010	2.4	89.2	
	230.0	74.2	272.0	1.585	325.8	242	5.882	0.017	3.9	89.4	
	230.0	76.3	269.6	1.573	324.2	309 370	6.993 7.359	0.026	5.9 7.5	89.6	
	230.0 230.0	79.8 84.0	267.8 266.5	1.565	323.8	427	8.604	0.032	10.1	90.0 90.6	
	230.0	89.1	265.6	1.532	321.6	481	10.055	0.058	13.4	91.3	
	230.0	95.0	265.0	1.509	319.2	529	10.909	0.069	16.1	92.0	
	230.0	101.8	264.9	1.482	316.1	573	12.315 13.659	0.084	19.8	92.7 93.5	
	230.0 230.0	110.0 119.6	265.6 267.4	1.450	311.9 306.4	615 652	13.659	0.100	23.9 28.3	93.5	
	230.0	130.8	270.7	1.365	299.1	687	16.469	0.135	33.6	95.3	
	230.0	142.1	274.9	1.319	291.5	717	17.762	0.152	38.8	96.1	
	230.0 230.0	155.5 169.9	281.3	1.262	281.4 268.9	744 769	18.210	0.161	42.8 47.3	97.0 97.7	
	230.0	185.6	290.1 301.3	1.123	253.9	769	18.613 18.810	0.170 0.177	47.3 52.0	97.7	
	230.0	201.5	314.4	1.042	236.9	811	18.116	0.175	55.1	98.9	
	230.0	216.2	327.6	0.964	220.0	827	17.070	0.168	57.0	99.2	
	230.0	230.6	341.9	0.882	201.7	841	15.591	0.156	57.7	99.5	
	230.0 230.0	244.5 256.3	357.2 371.1	0.797 0.717	182.5 164.2	855 865	13.170 11.069	0.134 0.114	54.8 51.8	99.6 99.5	
	230.0	265.7	383.1	0.647	148.0	873	8.738	0.091	45.8	99.4	
	230.0	272.7	392.3	0.595	135.4	881	6.290	0.066	36.3	99.0	
	230.0	278.7	401.6	0.544	122.5	887	4.064	0.043	26.1	98.0	
	230.0 230.0	282.7 285.4	407.5 412.2	0.511 0.487	114.3 107.2	891 894	2.300	0.024 0.011	15.9 7.5	97.1 95.7	
	230.0	287.6	415.5	0.470	102.7	897	0.000	0.000	0.0	94.9	
										DRAWING NO.	PAGE 5 of 8
										DRAWING NO.	4M224BG

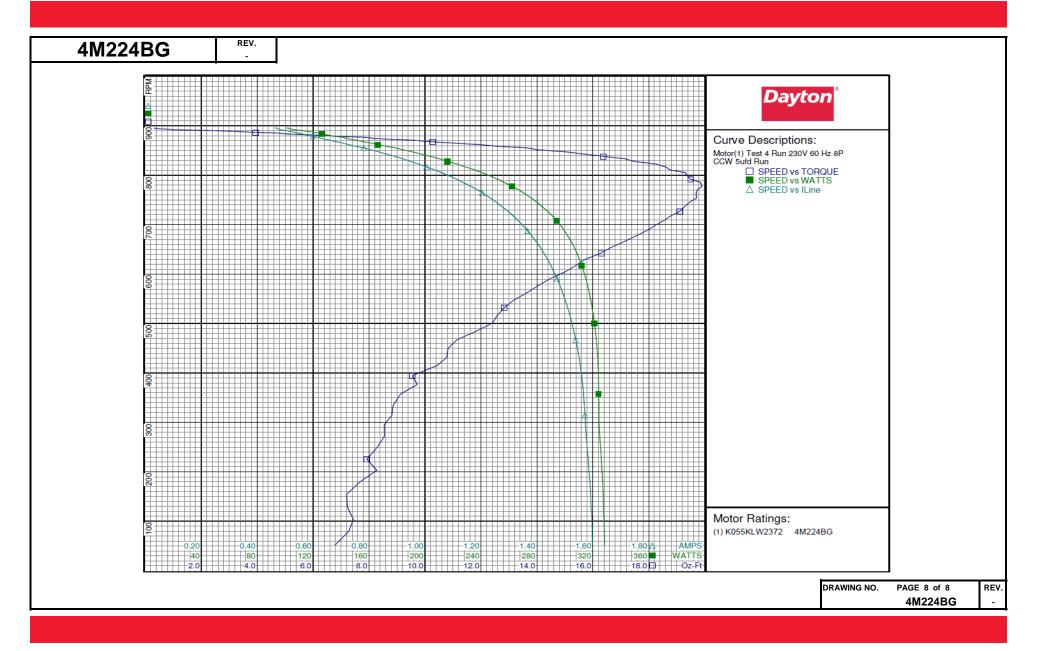






4M224BG	REV. -											
				Dayt	on Ma	nufactu	iring Con	npany				
Motor Des	scription					Test Co	nditions					
Model:	K055KLW23	72 4M224	BG	Test Type:	Run		Run Ca	D:	5			
Motor ID:	1			Test Number:	4		Start Ca		0µfd			
Poles:	8			Poles:	8		Enviror		24.6 Deg C	29 % RH	970 hPa	
Volts:	208-230			Volts:	230		Tested:		1/28/2016 3		<i>y</i> //o iii u	
Frequency:	60			Hz:	60		Tested		Navarro, Su			
							Gear R		1:1	Isana		
HP:	1/8 825			Rotation:	CCW				-0.20 Oz-Ft			
Speed:				Special Cond:								
Phase:	1			Speed Conn:					:-0.45 Oz-Ft			
Protector:	7AM036-A5			TestBoard:	CMD Inl	Line Three	Phase #1 Fin	xture #1				
Special Points	Vline(V)	Vaux (V)	Vcap(V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF (%)		
-	230.0	287.5	415.7	0.465	100.9	896	0.000	0.000	0.0	94.4		
	230.0	286.1	413.3	0.477	104.7	893	0.795	0.008	6.0	95.3		
	230.0	282.8 277.6	407.8 400.0	0.504	112.3 123.6	890 886	2.292 4.655	0.024	16.1 29.6	96.8 98.1		
	230.0	271.4	390.9	0.599	136.2	878	6.936	0.073	39.7	98.9		
	230.0	263.9	380.8	0.657	150.2	871	9.452	0.098	48.7	99.3		
	230.0	254.1	368.7	0.726	166.2	862	11.937	0.122	55.0	99.5		
12.71 OZ-FT	230.0	250.0	363.8 355.3	0.755	172.8	858	12.710 14.014	0.130	56.0 57.6	99.5		
	230.0 230.0	242.8 229.0	340.1	0.804	183.9 203.5	852 838	16.380	0.142 0.163	59.9	99.5 99.4		
	230.0	214.0	325.2	0.976	222.6	823	18.234	0.179	59.8	99.2		
	230.0	198.6	311.2	1.058	240.5	805	19.297	0.185	57.4	98.8		
	230.0	183.4	299.2	1.134	256.3	786 778	19.835	0.186	54.0	98.3		
BDT OZ-FT	230.0 230.0	177.6 168.6	294.8 288.8	1.163 1.205	262.2 270.4	764	19.907 19.687	0.184 0.179	52.4 49.4	98.0 97.6		
	230.0	153.8	279.9	1.272	283.2	738	19.297	0.169	44.7	96.8		
	230.0	139.9	273.1	1.333	294.0	708	18.544	0.156	39.7	95.9		
	230.0	128.0	268.8	1.381	302.0	677	17.543	0.141	34.9	95.1		
	230.0 230.0	117.3 108.3	266.0 264.7	1.425	308.6 313.4	642 605	16.297 15.033	0.125	30.1 25.8	94.2 93.3		
	230.0	100.3	264.4	1.491	317.3	563	13.671	0.092	21.5	92.5		
	230.0	93.4	264.7	1.518	320.4	516	12.581	0.077	18.0	91.8		
	230.0	87.9	265.5	1.539	322.5	467	11.145	0.062	14.3	91.1		
	230.0 230.0	83.2 79.1	266.6 267.9	1.555	323.7 324.2	415 357	10.426 9.127	0.051 0.039	11.9	90.5 90.0		
	230.0	75.9	269.9	1.573	324.5	295	8.538	0.030	6.9	89.7		
	230.0	73.9	272.3	1.583	326.0	226	7.919	0.021	4.9	89.6		
	230.0	72.4	274.5	1.592	327.4	154	7.197	0.013	3.0	89.4		
	230.0	71.2	276.4	1.598	328.1	79	7.273	0.007	1.6	89.3		
										DRAWING NO.	PAGE 7 of 8	
											4M224BG	





Wiring Diagram



