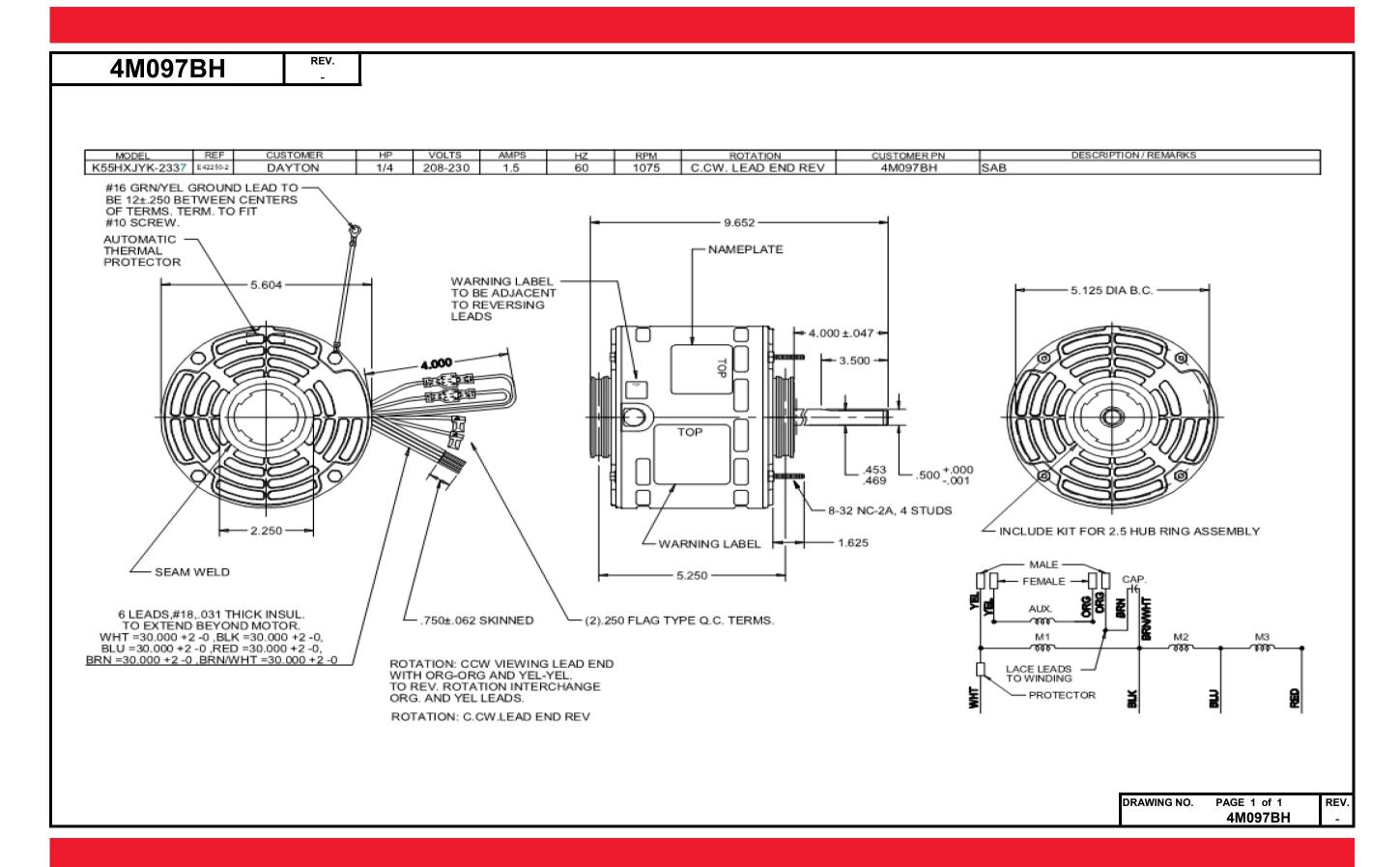
# **Dimensional Drawing**







4M097BI	REV.									
	SHADED-POLE & F	SC M	OTOR	PERFO	RMAN	ICE				
	OHADED-I OLL & I	OO IVI			NWAI					
HP:	1/4									
Poles:	4									
Ambient (°C):	40									
Altitude (FASL):	1000									
No. of Speeds:	3									
<del>-</del>		HIGH SI	PEED							
Volts:	208-230	120	208	230	277	460	100	200		
HZ:	60	60	60	60	60	60	50	50		
Service Factor:	1									
Efficiency:	@ Rated Load		57.4	57.9						
Power Factor:	@ Rated Load		91.6	90.8						
Amps:	@ No Load									
•	@ Rated Load		1.4	1.6						
	@ Locked Rotor									
RPM:	@ Rated Load		1075	1075						
Torques:	Breakdown		19.8	24.8						
Oz.Ft. / Lb.In.	Locked Rotor		5	6.7						
(Circle One)	Pull-Up		5.6	7						
	Rated Load		16.4	20						
	Service Factor		1	1						
Watts:	Rated Load		272	330						
Temperature Rise:	@ Rated Load									
Thermal Protector:	Trip Temp (°C)		_	140~150						
Winding Material:	Start (Auxiliary)		Al	Al						
	Run (Main)		Al	Al						
Capacitor:	Run (MFD / Volts) 5.0 MFD 370V									
	No. of Run Capacitors				1					
	MEDI	UM-HIG	SH SPEE	ED						
HP:	1/4		_	1				1		
Volts:	208-230	120	208	230	277	460	100	200		
HZ:	60	60	60	60	60	60	50	50		
Efficiency:	@ Rated Load		55.2	56.5						
Power Factor:	@ Rated Load		91.1	91						
Amps:	@ No Load		<u> </u>							
	@ Rated Load		1	1.1						
	@ Locked Rotor		10.0	40.4						
Torques:	Breakdown	1	12.8	16.1						
Oz.Ft. / Lb.ln.	Locked Rotor	1	3	4						
(Circle One)	Pull-Up	1	3.2	4.6						
<b>VAI</b> - 44 -	Rated Load	1	10.5	13.2						
Watts:	Rated Load	1	181	223						
Temperature Rise:	@ Rated Load									

DRAWING NO. PAGE 1 REV. 4M097BH -



REV. 4M097BH **SHADED-POLE & PSC MOTOR PERFORMANCE MEDIUM-LOW SPEED** HP: 1/4 Volts: 208-230 120 208 230 277 460 100 200 HZ: 60 60 60 60 **50** 50 60 60 Efficiency: @ Rated Load **Power Factor:** @ Rated Load @ No Load Amps: @ Rated Load Breakdown **Torques:** Locked Rotor Oz.Ft. / Lb.ln. Pull-Up (Circle One) Rated Load Watts: Rated Load **Temperature Rise:** @ Rated Load Watts: Rated Load **Temperature Rise:** @ Rated Load **Thermal Protector:** Trip Temp (°C) **Winding Material:** Start (Auxiliary) Run (Main) **LOW SPEED** HP: 1/4 208-230 120 208 230 100 200 Volts: 277 460 HZ: 60 60 60 60 60 60 50 50 Efficiency: @ Rated Load 52.6 54.1 **Power Factor:** @ Rated Load 90.8 90.6 Amps: @ No Load @ Rated Load 0.7 8.0 **Torques:** Breakdown 8.9 11.3 Locked Rotor 1.9 2.6 Oz.Ft. / Lb.In. Pull-Up 2.1 2.8 (Circle One) Rated Load 7.1 9.1 Watts: Rated Load 129 161 **Temperature Rise:** @ Rated Load Notes: DRAWING NO. PAGE 1 REV.

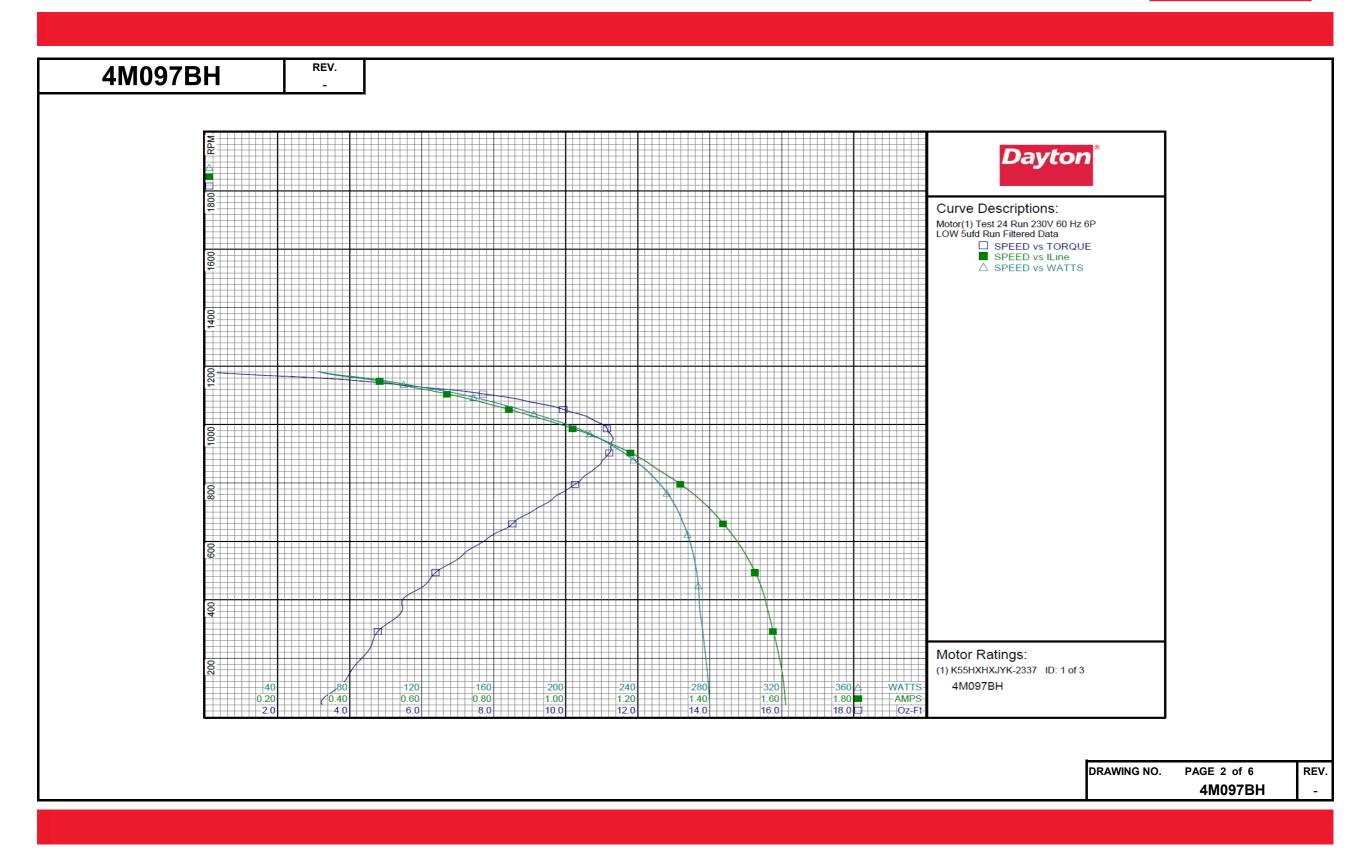
Dayton Electric Mfg. Co. Lake Forest, IL 60045 USA

4M097BH



4M097BH	REV.									
				]	Dayton	Manu	facturing	Comp	any Filtered	
Motor Des	scription					Test Co	nditions		rinered	
Model:	K55HXHXJY	K-2337		Test Type:	Run		Run Ca	ip:	5	
Motor ID:				Test Number:			Start C	_	0μ <b>f</b> d	
Poles:	4M097BH			Poles:	6		Enviro		Optio	
Volts:	208-230			Volts:	230		Tested:		1/22/2016 2:3	1:20 PM
	60			Hz:	60		Tested.		Liu, Bingmin	
Frequency:					00			-		
HP:	1/4			Rotation:			Gear R		1:1	
Speed:	1075			Special Cond:					: -0.18 Oz-Ft	
Phase:	1			Speed Conn:	LOW			ge Torque	e: -0.30 Oz-Ft	
Protector:	7AM036-A5			TestBoard:	NMQC	Plotter Fi	xture #1			
Special Points	Vline(V)	Vaux (V)	Vcap (V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	HP		PF(%)
	230.0	251.6	317.5	0.316	62.5	1181	0.000	0.000	0.0	0.0
	230.0	249.5	314.4	0.329	66.6	1176	0.473	0.007	7.1	0.0
	230.0 230.0	235.8 223.1	292.8 274.2	0.406 0.490	84.8 102.1	1162 1147	2.739 4.464	0.038	33.1 45.1	0.0
	230.0	215.0	264.5	0.551	115.2	1133	5.639	0.076		0.0
	230.0	206.4	254.2	0.617	129.6	1118	6.892	0.092	52.8	0.0
	230.0	198.0	244.4	0.683	143.1	1102	7.897	0.104	54.0	0.0
1075 RPM	230.0	190.1	236.1	0.739	154.3	1085	8.739	0.113	54.6	0.0
1075 RPM	230.0 230.0	185.6 182.1	231.7 228.3	0.771 0.797	160.6 165.7	1075 1067	9.104 9.473	0.117 0.120	54.1 54.2	0.0
	230.0	173.1	220.0	0.861	178.0	1046	10.079	0.125	52.6	0.0
	230.0	164.7	212.6	0.921	189.0	1024	10.641	0.130	51.2	0.0
	230.0	155.9	205.0	0.983	200.3	1001	11.017	0.131	48.9	0.0
BDT OZ-FT	230.0 <b>230.0</b>	147.3 139.9	198.2 193.0	1.043 1.094	210.7 219.0	976 <b>952</b>	11.171 11.316	0.130	46.0 <b>43.7</b>	0.0
BDT OZ-FT	230.0	139.1	192.4	1.094	219.0	949	11.315	0.128 0.128	43.4	0.0
	230.0	131.0	187.2	1.154	228.3	919	11.251	0.123	40.2	0.0
	230.0	123.0	182.8	1.206	236.2	886	11.096	0.117	37.0	0.0
	230.0	114.9	179.1	1.250	243.6	851	10.824	0.110	33.6	0.0
	230.0 230.0	107.4 100.3	176.2 174.0	1.299 1.347	250.0 255.7	812 770	10.434 9.940	0.101	30.1 26.6	0.0
	230.0	93.4	172.6	1.347	260.6	725	9.380	0.081	23.2	0.0
	230.0	87.3	171.9	1.427	264.3	676	8.667	0.070	19.7	0.0
	230.0	81.2	171.6	1.462	267.7	624	7.986	0.059		0.0
	230.0	75.6	171.6	1.494	270.4	567	7.261	0.049		0.0
	230.0 230.0	70.2 65.4	172.2 173.2	1.521 1.544	272.4 273.8	506	6.535 5.991	0.039		0.0
	230.0	61.6	175.2	1.544	274.4	442 373	5.465	0.031		0.0
	230.0	59.2	177.7	1.575	276.0	299	4.843	0.017		0.0
	230.0	57.4	180.2	1.590	277.5	220	4.488	0.012	3.2	0.0
	230.0	56.0	183.1	1.603	278.9	137	3.948	0.006		0.0
	230.0	54.9	186.7	1.610	279.9	49	3.200	0.002	0.5	0.0
									DRAWING NO.	PAGE 1 of 6
										4M097I

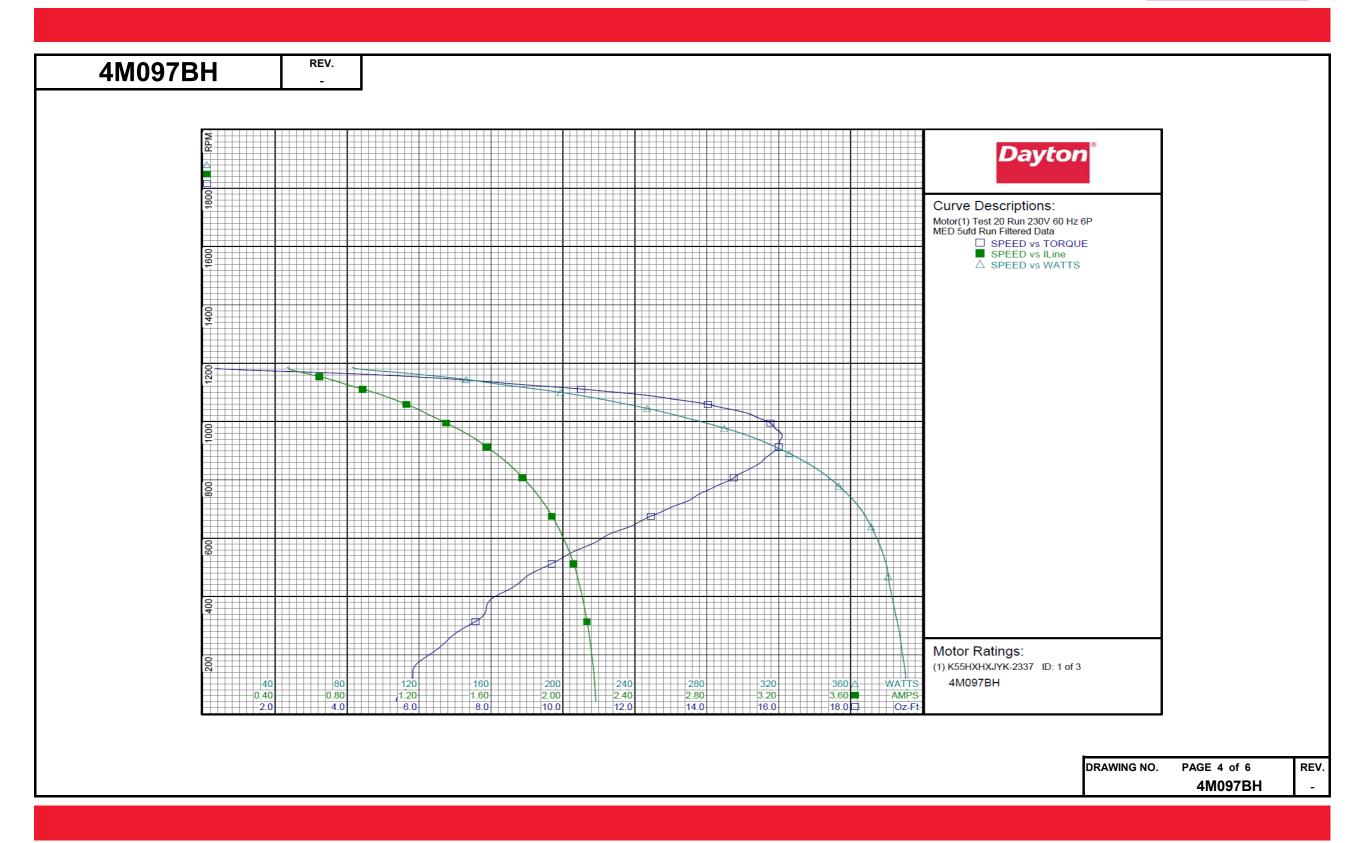






230.0 291.6 371.8 0.468 82.7 1187 0.000 0.000 0.0 0 0 290.4 370.2 0.476 85.5 1181 0.422 0.006 5.0 0 230.0 290.4 370.2 0.476 85.5 1181 0.422 0.006 5.0 0 230.0 279.3 352.5 0.555 110.4 1167 3.456 0.048 31.9 0 230.0 267.8 333.6 0.656 134.3 1153 5.988 0.082 46.3 0 230.0 255.1 310.8 0.616 170.0 1123 9.216 0.123 54.1 0 230.0 250.1 310.8 0.616 170.0 1123 9.216 0.123 54.1 0 230.0 240.6 299.4 0.904 189.3 1108 10.792 0.142 56.1 0 230.0 230.4 288.1 0.939 208.3 1108 10.792 0.142 56.1 0 230.0 230.4 288.1 0.939 208.3 1108 10.792 0.142 56.1 0 230.0 220.5 277.5 1.077 225.3 1072 13.352 0.170 56.4 0 230.0 220.5 277.5 1.077 225.3 1072 13.352 0.170 56.4 0 230.0 220.5 277.5 1.077 225.3 1072 13.352 0.170 56.4 0 230.0 210.6 268.1 1.255 256.0 1032 15.017 0.185 53.8 0 230.0 210.0 250.6 1.225 256.0 1032 15.017 0.185 53.8 0 230.0 150.7 250.1 1.302 270.4 1010 15.455 0.186 51.4 0 230.0 160.0 243.5 1.383 289.3 885 15.858 0.186 51.4 0 230.0 160.0 228.7 1.488 289.3 885 15.868 0.186 51.4 0 230.0 160.0 228.7 1.488 289.3 885 15.867 0.186 51.4 0 230.0 160.0 228.7 1.488 289.3 885 15.867 0.186 51.4 0 230.0 150.5 222.9 1.612 323.8 887 15.867 0.169 39.0 0 230.0 131.7 213.8 1.750 344.4 824 14.971 0.147 31.8 0 230.0 131.7 213.8 1.750 344.4 824 14.971 0.147 31.8 0 230.0 141.0 217.9 1.684 334.7 822 15.530 0.159 35.5 0 230.0 192.8 210.6 1.813 352.7 783 14.342 0.194 31.8 0 230.0 192.8 210.6 1.813 352.7 783 14.342 0.194 28.3 0 230.0 197.1 206.7 1.525 366.7 691 12.750 0.159 35.5 0 230.0 99.5 205.8 1.972 371.6 639 11.856 0.090 18.1 0 230.0 99.5 205.8 1.972 371.6 639 11.856 0.090 18.1 0 230.0 99.5 205.8 1.972 371.6 639 11.856 0.090 18.1 0 230.0 99.5 205.8 1.972 371.6 639 11.856 0.090 18.1 0 230.0 99.5 205.8 1.972 371.6 639 11.856 0.090 18.1 0 230.0 99.5 205.8 1.972 371.6 639 11.856 0.090 18.1 0 230.0 99.5 205.8 1.972 371.6 639 11.856 0.090 18.1 0 230.0 99.5 205.8 1.972 371.6 639 11.856 0.090 18.1 0 230.0 99.5 205.8 1.972 371.6 639 11.856 0.090 18.1 0 230.0 99.5 205.8 1.972 371.6 639 11.856 0.090 18.1 0 230.0 99.5 205.8 1.972 371.6 639 11.856 0.090 38.7 3 0 230.	M097BH	REV. -									
Model: K55HXHXJYK-2337					]	Daytor	1 Manu	facturing	Comp		
Model: K55HXHXJYK-2337	Motor Des	crintion					Test Co	nditions		Filtered	
Motor ID:			TK-2337		Test Tyne:	Pun	1 CSt CO		m.	5	
Poles:			K-2557						_		
Volts: 208-230		4M097BH								υμια	
Frequency: 60		0								. /22/224	
HP:											
Special Points   Vine(V)   Vaux (V)   Vap (V)   Tiline (A)   Watts   RFM   Tq (Oz-ft)   HP   Eff (%)   PF (Color)   MED   Mediage Torque: -0.21 Oz-ft						60			•		Į.
Phase: 1 Protector: 7AM036-A5    Vine(v)	HP:	1/4			Rotation:						
Protector: 7AM036-A5    TestBoard: NMQC Plotter Fixture #1   NMQC Plotter Fixture #1	Speed:	1075			Special Cond:			Bearing	g Friction:	-0.14 Oz-Ft	
Protector: 7AM036-A5    TestBoard: NMQC Plotter Fixture #1   NMQC Plotter Fixture #1	_	1									
230.0 291.6 371.8 0.468 82.7 1187 0.000 0.000 0.00 0.00 290.4 370.2 0.476 85.5 1181 0.422 0.006 5.0 0 230.0 290.4 370.2 0.476 85.5 1181 0.422 0.006 5.0 0 230.0 279.3 352.5 0.555 110.4 1167 3.456 0.048 31.9 0 230.0 267.8 333.6 0.656 134.3 1153 5.988 0.082 46.3 0 230.0 255.1 310.8 0.616 170.0 1123 9.216 0.123 54.1 0 230.0 240.6 299.4 0.904 189.3 1108 10.792 0.142 56.1 0 230.0 230.4 288.1 0.993 208.3 1091 12.268 0.159 57.1 0 230.0 220.5 227.5 1.077 225.3 1072 13.352 0.170 56.4 0 230.0 220.5 227.5 1.077 225.3 1072 13.352 0.170 56.4 0 230.0 220.0 220.5 277.5 1.077 225.3 1072 13.352 0.170 56.4 0 230.0 221.6 268.1 1.155 240.8 1053 14.238 0.178 55.3 0 230.0 210.6 268.1 1.255 250.0 1032 15.055 0.165 53.8 0 230.0 210.6 268.1 1.255 250.0 1032 15.055 0.165 53.8 0 230.0 166.6 233.5 1.365 299.8 989 16.069 0.183 45.6 0 230.0 166.6 233.3 1.488 303.8 950 16.106 0.182 44.7 0 230.0 166.6 233.3 1.488 303.8 950 16.106 0.182 44.7 0 230.0 160.0 222.7 1.540 312.4 929 16.024 0.177 42.3 0 230.0 130.7 222.9 1.612 323.8 897 15.867 0.169 39.0 230.0 131.7 213.8 1.750 344.4 824 14.971 0.147 31.8 0 230.0 131.7 213.8 1.750 344.4 824 14.971 0.147 31.8 0 230.0 141.0 217.9 1.684 334.7 822 15.530 0.159 35.5 0 230.0 197.1 206.7 1.952 366.7 691 12.750 0.055 9.5 0 230.0 99.5 205.8 1.972 371.6 639 11.856 0.090 18.1 0 230.0 99.5 205.8 1.972 371.6 639 11.856 0.090 18.1 0 230.0 99.5 205.8 1.972 371.6 639 11.856 0.090 18.1 0 230.0 99.5 205.8 1.972 371.6 639 11.856 0.090 18.1 0 230.0 99.5 205.8 1.972 371.6 639 11.856 0.090 18.1 0 230.0 99.5 205.8 1.972 371.6 639 11.856 0.090 18.1 0 230.0 99.5 205.8 1.972 371.6 639 11.856 0.090 18.1 0 230.0 99.5 205.8 1.972 371.6 639 11.856 0.090 18.1 0 230.0 99.5 205.8 1.972 371.6 639 11.856 0.090 18.1 0 230.0 99.5 205.8 1.972 371.6 639 11.856 0.090 18.1 0 230.0 99.5 205.8 1.972 371.6 639 11.856 0.090 18.1 0 230.0 99.5 205.8 1.972 371.6 639 11.856 0.090 18.1 0 230.0 99.5 205.8 1.972 371.6 639 11.856 0.090 18.1 0 230.0 99.5 205.8 1.972 371.6 639 11.856 0.090 18.1 0 230.0 99.5 205.8 1.972 371.6 639 11.856 0.090 18.1 0 230.0	Protector:	7AM036-A5					Plotter Fi				
230.0 291.6 371.8 0.468 82.7 1187 0.000 0.000 0.00 0.00 290.4 370.2 0.476 85.5 1181 0.422 0.006 5.0 0 230.0 290.4 370.2 0.476 85.5 1181 0.422 0.006 5.0 0 230.0 279.3 352.5 0.555 110.4 1167 3.456 0.048 31.9 0 230.0 267.8 333.6 0.656 134.3 1153 5.988 0.082 46.3 0 230.0 255.1 310.8 0.616 170.0 1123 9.216 0.123 54.1 0 230.0 240.6 299.4 0.904 189.3 1108 10.792 0.142 56.1 0 230.0 230.4 288.1 0.993 208.3 1091 12.268 0.159 57.1 0 230.0 220.5 277.5 1.077 225.3 1072 13.352 0.170 56.4 0 230.0 220.5 227.5 1.077 225.3 1072 13.352 0.170 56.4 0 230.0 220.0 220.5 277.5 1.077 225.3 1072 13.352 0.170 56.4 0 230.0 221.6 268.1 1.155 240.8 1053 14.238 0.178 55.3 0 230.0 210.6 268.1 1.255 256.0 1032 15.055 0.165 51.4 0 230.0 210.0 258.6 1.225 256.0 1032 15.055 0.165 53.8 0 230.0 166.6 233.5 1.363 299.8 989 16.069 0.183 45.6 0 230.0 166.6 233.3 1.488 303.8 950 16.106 0.182 44.7 0 230.0 169.6 233.5 1.888 303.8 950 16.106 0.182 44.7 0 230.0 160.0 228.7 1.584 334.7 862 15.530 0.159 35.5 0 230.0 131.7 213.8 1.750 344.4 824 14.971 0.147 31.8 0 230.0 131.7 213.8 1.750 344.4 824 14.971 0.147 31.8 0 230.0 141.0 217.9 1.684 334.7 862 15.530 0.159 35.5 0 230.0 197.1 206.7 1.955 366.7 691 12.750 0.055 9.5 0.000 18.1 0.2 230.0 12.8 20.0 1.2 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	Special Points	Vline(V)	Vaux (V)	Vcap(V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	нр	Eff(%)	PF(%)
230.0 279.3 352.5 0.555 110.4 1167 3.456 0.048 31.9 0 230.0 267.8 333.6 0.656 134.3 1153 5.988 0.082 46.3 0 230.0 259.0 321.8 0.739 152.8 1138 7.733 0.105 51.3 0 230.0 240.6 299.4 0.904 189.3 1108 10.792 0.142 56.1 0 230.0 230.0 240.6 0.993 208.3 1108 10.792 0.142 56.1 0 230.0 230.0 220.1 279.2 1.064 222.6 1075 13.164 0.168 56.5 0 230.0 220.0 220.1 279.2 1.064 222.6 1075 13.164 0.168 56.5 0 230.0 210.6 268.1 1.155 240.8 1053 14.238 0.178 55.3 0 230.0 210.6 268.1 1.155 240.8 1053 14.238 0.178 55.3 0 230.0 190.7 250.1 1.302 270.4 1010 15.495 0.186 51.4 0 230.0 180.2 243.2 1.383 285.3 985 15.854 0.186 51.4 0 230.0 166.6 233.5 1.465 299.8 958 16.069 0.183 45.6 0 230.0 160.0 228.7 1.540 312.4 929 16.024 0.177 42.3 0 230.0 160.0 228.7 1.540 312.4 929 16.024 0.177 42.3 0 230.0 150.5 222.9 1.682 334.4 824 14.971 0.147 31.8 0 230.0 141.0 217.9 1.682 334.7 862 15.530 0.159 35.5 0 230.0 131.7 213.8 1.750 344.4 824 14.971 0.147 31.8 0 230.0 141.0 217.9 1.682 334.7 862 15.530 0.159 35.5 0 230.0 141.0 217.9 1.682 334.7 862 15.530 0.159 35.5 0 230.0 141.0 217.9 1.683 334.7 862 15.530 0.159 35.5 0 230.0 141.0 217.9 1.684 334.7 862 15.530 0.159 35.5 0 230.0 122.8 210.6 1.750 344.4 824 14.971 0.147 31.8 0 230.0 122.8 210.6 1.813 352.7 783 14.342 0.134 28.3 0 230.0 122.8 210.6 1.813 352.7 783 14.342 0.134 28.3 0 230.0 122.8 210.6 1.893 371.6 639 11.856 0.090 18.1 0 230.0 92.3 205.8 205.8 205.8 379.1 525 9.874 0.062 12.1 0 230.0 79.8 205.8 205.8 383 379.1 525 9.874 0.062 12.1 0 230.0 66.5 216.7 2.180 383.2 383 8.032 0.038 7.3 0 230.0 66.5 216.7 2.180 381.5 75 5.571 0.005 0.9 0	-	230.0				82.7				0.0	0.0
230.0 267.8 333.6 0.656 134.3 1153 5.988 0.082 46.3 0 230.0 259.0 321.8 0.739 152.8 1138 7.733 0.105 51.3 0 230.0 259.1 310.8 0.816 170.0 1123 9.216 0.123 54.1 0 230.0 240.6 299.4 0.904 189.3 1108 10.792 0.142 56.1 0 230.0 230.4 288.1 0.993 208.3 1091 12.268 0.159 57.1 0 230.0 220.5 277.5 1.064 222.6 1075 13.164 0.168 56.5 0 230.0 220.5 277.5 1.077 225.3 1072 13.352 0.170 56.4 0 230.0 220.5 277.5 1.077 225.3 1072 13.352 0.170 56.4 0 230.0 210.6 268.1 1.155 240.8 1053 14.238 0.178 55.3 0 230.0 190.7 250.1 1.302 270.4 1010 15.495 0.186 51.4 0 230.0 190.7 250.1 1.302 270.4 1010 15.495 0.186 51.4 0 230.0 160.6 233.3 1.488 303.8 950 16.106 0.183 45.6 0 230.0 160.0 228.7 1.540 312.4 929 16.024 0.177 42.3 0 230.0 150.5 222.9 1.612 323.8 897 15.867 0.169 39.0 0 230.0 141.0 217.9 1.684 334.7 862 15.530 0.159 35.5 0 230.0 12.2 8 210.6 1.813 352.7 783 14.342 0.174 31.8 0 230.0 12.1 2.2 8 210.6 1.813 352.7 783 14.342 0.174 31.8 0 230.0 12.8 210.6 1.813 352.7 783 14.342 0.134 28.3 0 230.0 12.8 210.6 1.813 352.7 783 14.342 0.134 28.3 0 230.0 12.8 210.6 1.813 352.7 783 14.342 0.134 28.3 0 230.0 12.8 210.6 1.813 352.7 783 14.342 0.134 28.3 0 230.0 12.8 210.6 1.813 352.7 783 14.342 0.134 28.3 0 230.0 12.8 210.6 1.813 352.7 783 14.342 0.134 28.3 0 230.0 12.8 210.6 1.813 352.7 783 14.342 0.134 28.3 0 230.0 12.8 210.6 1.813 352.7 783 14.342 0.134 28.3 0 230.0 12.8 210.6 1.813 352.7 783 14.342 0.134 28.3 0 230.0 12.8 210.6 1.813 352.7 783 14.342 0.134 28.3 0 230.0 12.8 210.6 1.813 352.7 783 14.342 0.134 28.3 0 230.0 99.5 205.8 1.972 371.6 639 11.856 0.090 18.1 0 230.0 99.5 205.8 2.083 381.1 461 8.915 0.049 9.6 0 230.0 75.0 207.6 2.103 385.6 321 7.661 0.029 5.7 0 230.0 75.0 207.6 2.103 385.6 321 7.661 0.029 5.7 0 230.0 66.5 216.7 2.168 390.0 162 5.883 0.011 2.2 2 0.0 230.0 66.5 216.7 2.168 390.0 162 5.883 0.011 2.2 2 0.0 230.0 66.5 216.7 2.168 390.0 162 5.883 0.011 2.2 2 0.0 230.0 66.5 216.7 2.168 390.0 162 5.883 0.011 2.2 2 0.0 230.0 66.5 216.7 2.168 390.0 162 5.883 0.011 2.2 2 0.0 230.0 66.5 216.7 2.168 390.0 162 5.883 0.011 2.2 2											0.0
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### Accordance   Part											0.0
230.0 210.6 268.1 1.155 240.8 1053 14.238 0.178 55.3 0 230.0 201.0 258.6 1.225 256.0 1032 15.017 0.185 53.8 0 230.0 190.7 250.1 1.302 270.4 1010 15.495 0.186 51.4 0 230.0 180.2 243.2 1.383 285.3 985 15.854 0.186 48.6 0 230.0 169.6 235.5 1.465 299.8 958 16.069 0.183 45.6 0 230.0 160.0 228.7 1.540 312.4 929 16.024 0.177 42.3 0 230.0 150.5 222.9 1.612 323.8 897 15.867 0.169 39.0 230.0 141.0 217.9 1.684 334.7 862 15.530 0.159 35.5 0 230.0 122.8 210.6 1.813 352.7 783 14.342 0.134 28.3 0.230.0 122.8 210.6 1.813 352.7 783 14.342 0.134 28.3 0.230.0 197.1 206.7 1.925 366.7 691 12.750 0.105 21.3 0.230.0 99.5 205.8 1.972 371.6 639 11.856 0.090 18.1 0.230.0 99.5 205.8 1.972 371.6 639 11.856 0.090 18.1 0.230.0 99.3 205.8 1.972 371.6 639 11.856 0.090 18.1 0.230.0 92.3 205.2 2.015 375.7 584 10.879 0.076 15.0 0.230.0 75.0 207.6 2.110 383.2 393 8.032 0.038 7.3 0.230.0 75.0 207.6 2.110 383.2 393 8.032 0.038 7.3 0.230.0 75.0 207.6 2.110 383.2 393 8.032 0.038 7.3 0.230.0 66.5 216.7 2.168 390.0 162 5.883 0.011 2.2 0.2 0.2 0.2 0.2 0.2 0.0 0.0 0.2 0.2	1075 RPM	230.0		279.2	1.064		1075			56.5	0.0
BDT OZ-FT   258.6   1.225   256.0   1032   15.017   0.185   53.8   0   230.0   190.7   250.1   1.302   270.4   1010   15.495   0.186   51.4   0   0   230.0   180.2   243.2   1.383   285.3   985   15.854   0.186   48.6   0   0   230.0   169.6   235.5   1.465   299.8   958   16.069   0.183   45.6   0   0   230.0   160.0   228.7   1.540   312.4   929   16.024   0.177   42.3   0   230.0   150.5   222.9   1.612   323.8   897   15.867   0.169   39.0   0   230.0   141.0   217.9   1.684   334.7   862   15.530   0.159   35.5   0   230.0   131.7   213.8   1.750   344.4   824   14.971   0.147   31.8   0   230.0   122.8   210.6   1.813   352.7   783   14.342   0.134   28.3   0   230.0   114.9   208.3   1.871   360.3   739   13.633   0.120   24.8   0   230.0   99.5   205.8   1.972   371.6   639   11.856   0.090   18.1   0   230.0   99.5   205.8   1.972   371.6   639   11.856   0.090   18.1   0   230.0   92.3   205.2   2.015   375.7   584   10.879   0.076   15.0   0   230.0   75.0   207.6   2.110   383.2   393   8.032   0.038   7.3   0   230.0   68.7   213.7   2.151   387.9   244   6.739   0.020   3.8   0   0   230.0   66.5   216.7   2.168   390.0   162   5.883   0.011   2.2   0   230.0   64.9   220.1   2.180   391.5   75   5.571   0.005   0.9   0											0.0
BDT OZ-FT 230.0 190.7 250.1 1.302 270.4 1010 15.495 0.186 51.4 0 230.0 180.2 243.2 1.383 285.3 985 15.854 0.186 48.6 0 230.0 169.6 235.5 1.465 299.8 958 16.069 0.183 45.6 0 230.0 160.6 233.3 1.488 303.8 950 16.106 0.182 44.7 0 230.0 150.5 222.9 1.612 323.8 897 15.867 0.169 39.0 0 230.0 141.0 217.9 1.684 334.7 862 15.530 0.159 35.5 0 230.0 122.8 210.6 1.813 352.7 783 14.342 0.134 28.3 0 230.0 122.8 210.6 1.813 352.7 783 14.342 0.134 28.3 0 230.0 114.9 208.3 1.871 360.3 739 13.633 0.120 24.8 0 230.0 107.1 206.7 1.925 366.7 691 12.750 0.105 21.3 0 230.0 99.5 205.8 1.972 371.6 639 11.856 0.090 18.1 0 230.0 92.3 205.2 2.015 375.7 584 10.879 0.076 15.0 0 230.0 85.7 205.4 2.053 379.1 525 9.874 0.062 12.1 0 230.0 79.8 205.8 2.083 381.1 461 8.915 0.049 9.6 0 230.0 75.0 207.6 2.110 383.2 393 8.032 0.038 7.3 0 230.0 66.5 216.7 2.168 390.0 162 5.883 0.011 2.2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0											0.0
BDT OZ-FT 230.0 180.2 243.2 1.383 285.3 985 15.854 0.186 48.6 0 230.0 169.6 235.5 1.465 299.8 958 16.069 0.183 45.6 0 230.0 166.6 233.3 1.488 303.8 950 16.106 0.182 44.7 0 230.0 160.0 228.7 1.540 312.4 929 16.024 0.177 42.3 0 230.0 150.5 222.9 1.612 323.8 897 15.867 0.169 39.0 0 230.0 141.0 217.9 1.684 334.7 862 15.530 0.159 35.5 0 230.0 131.7 213.8 1.750 344.4 824 14.971 0.147 31.8 0 230.0 122.8 210.6 1.813 352.7 783 14.342 0.134 28.3 0 230.0 114.9 208.3 1.871 360.3 739 13.633 0.120 24.8 0 230.0 107.1 206.7 1.925 366.7 691 12.750 0.105 21.3 0 230.0 99.5 205.8 1.972 371.6 639 11.856 0.090 18.1 0 230.0 99.3 205.2 2.015 375.7 584 10.879 0.076 15.0 0 230.0 79.8 205.8 2.083 381.1 461 8.915 0.049 9.6 0 230.0 79.8 205.8 2.083 381.1 461 8.915 0.049 9.6 0 230.0 75.0 207.6 2.110 383.2 393 8.032 0.038 7.3 0 230.0 75.0 207.6 2.110 383.2 393 8.032 0.038 7.3 0 230.0 66.5 216.7 2.151 387.9 244 6.739 0.020 3.8 0 230.0 66.5 216.7 2.168 390.0 162 5.883 0.011 2.2 0 0.005 0.00											0.0
BDT OZ-FT  230.0 169.6 235.5 1.465 299.8 958 16.069 0.183 45.6 0 230.0 166.6 233.3 1.488 303.8 950 16.106 0.182 44.7 0 230.0 160.0 228.7 1.540 312.4 929 16.024 0.177 42.3 0 230.0 150.5 222.9 1.612 323.8 897 15.867 0.169 39.0 0 230.0 141.0 217.9 1.684 334.7 862 15.530 0.159 35.5 0 230.0 131.7 213.8 1.750 344.4 824 14.971 0.147 31.8 0 230.0 122.8 210.6 1.813 352.7 783 14.342 0.134 28.3 0 230.0 114.9 208.3 1.871 360.3 739 13.633 0.120 24.8 0 230.0 107.1 206.7 1.925 366.7 691 12.750 0.105 21.3 0 230.0 99.5 205.8 1.972 371.6 639 11.856 0.090 18.1 0 230.0 99.5 205.8 1.972 371.6 639 11.856 0.090 18.1 0 230.0 85.7 205.4 2.053 379.1 525 9.874 0.062 12.1 0 230.0 79.8 205.8 2.083 381.1 461 8.915 0.049 9.6 0 230.0 75.0 207.6 2.110 383.2 393 8.032 0.038 7.3 0 230.0 66.5 216.7 2.151 387.9 244 6.739 0.020 3.8 0 230.0 66.5 216.7 2.151 387.9 244 6.739 0.020 3.8 0 230.0 64.9 220.1 2.180 391.5 75 5.571 0.005 0.9 0											0.0
BDT OZ-FT  230.0 166.6 233.3 1.488 303.8 950 16.106 0.182 44.7 0 230.0 150.5 222.9 1.612 323.8 897 15.867 0.169 39.0 0 230.0 141.0 217.9 1.684 334.7 862 15.530 0.159 35.5 0 230.0 131.7 213.8 1.750 344.4 824 14.971 0.147 31.8 0 230.0 122.8 210.6 1.813 352.7 783 14.342 0.134 28.3 0 230.0 114.9 208.3 1.871 360.3 739 13.633 0.120 24.8 0 230.0 107.1 206.7 1.925 366.7 691 12.750 0.105 21.3 0 230.0 99.5 205.8 1.972 371.6 639 11.856 0.090 18.1 0 230.0 85.7 205.4 2.053 375.7 584 10.879 0.076 15.0 0 230.0 85.7 205.4 2.053 379.1 525 9.874 0.062 12.1 0 230.0 79.8 205.8 2.083 381.1 461 8.915 0.049 9.6 0 230.0 71.2 210.4 2.132 385.6 321 7.661 0.029 5.7 0 230.0 68.7 213.7 2.151 387.9 244 6.739 0.020 3.8 0 230.0 66.5 216.7 2.168 390.0 162 5.883 0.011 2.2 0 230.0 64.9 220.1 2.180 391.5 75 5.571 0.005 0.9 0											0.0
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230.0     122.8     210.6     1.813     352.7     783     14.342     0.134     28.3     0       230.0     114.9     208.3     1.871     360.3     739     13.633     0.120     24.8     0       230.0     107.1     206.7     1.925     366.7     691     12.750     0.105     21.3     0       230.0     99.5     205.8     1.972     371.6     639     11.856     0.009     18.1     0       230.0     92.3     205.2     2.015     375.7     584     10.879     0.076     15.0     0       230.0     85.7     205.4     2.053     379.1     525     9.874     0.062     12.1     0       230.0     79.8     205.8     2.083     381.1     461     8.915     0.049     9.6     0       230.0     75.0     207.6     2.110     383.2     393     8.032     0.038     7.3     0       230.0     71.2     210.4     2.132     385.6     321     7.661     0.029     5.7     0       230.0     68.7     213.7     2.151     387.9     244     6.739     0.020     3.8     0       230.0     66.5     216.7 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.0</td></td<>											0.0
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230.0 64.9 220.1 2.180 391.5 75 5.571 0.005 0.9 0											0.0
1											0.0
DRAWING NO PAGE		230.0	64.9	220.1	2.180	391.5	75	5.571	0.005	0.9	0.0
										DRAWING NO.	PAGE 3 of 6

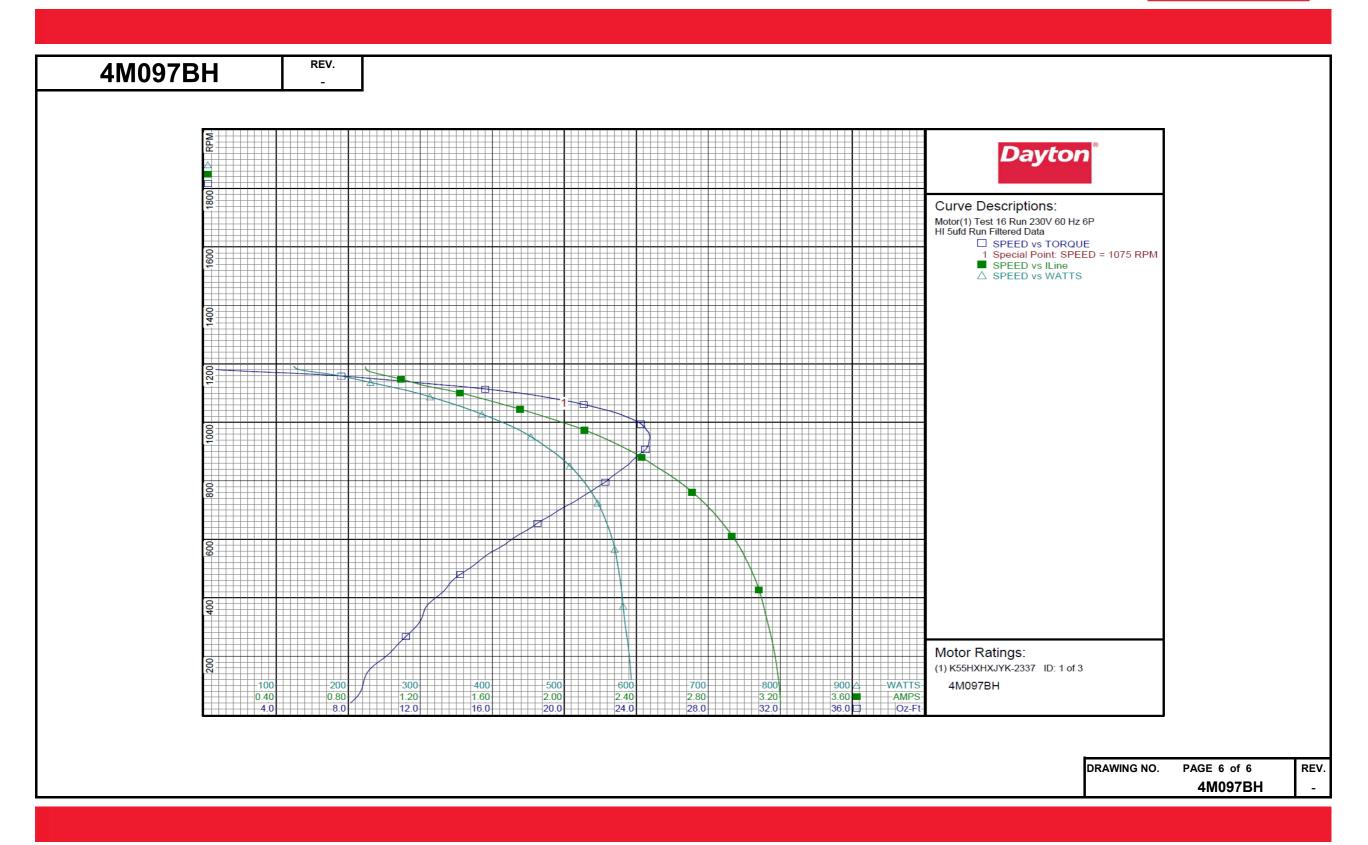






M097BH	REV.									
	_				Dayton	Manu	facturing	Comp		
Motor De	serintion					Test Co	nditions		Filtered	
Motor De		777 2227		Tost Trmo	Due	Test Co.			-	
Model:	K55HXHXJY	K-233/		Test Type:	Run		Run Ca	_	5	
Motor ID:	4M097BH			Test Number:			Start Ca	-	0μ <b>f</b> đ	
Poles:	U			Poles:	6		Enviror			
Volts:	208-230			Volts:	230		Tested:		1/22/2016 2:5	1:19 PM
Frequency:	60			Hz:	60		Tested	By:	Liu, Bingmin	
HP:	1/4			Rotation:			Gear Ra		1:1	
Speed:	1075			Special Cond:			Bearing	g Friction:	: -0.13 Oz-Ft	
Phase:	1			Speed Conn:	HI		Windag	ge Torque	: -0.19 Oz-Ft	
Protector:	7AM036-A5			TestBoard:		Plotter Fix				
Special Points	Wline (W)	Wanne (W)	Mann (W)	Tline(A)	Watte	DDM	Ta (0a-ft)	нр	Pff/%)	DE / 9-1
special Points	Vline(V) 230.0	Vaux (V) 337.7	Vcap (V) 443.9	Iline(A) 0.896	Watts 124.0	RPM 1191	Tq(Oz-ft) 0.00	0.000	Eff(%) 0.0	PF(%)
	230.0	337.0	443.3	0.896	126.6	1186	0.08	0.001	0.9	0.0
	230.0	331.3	432.5	0.928	153.8	1172	3.43	0.048	22.1	0.0
	230.0	323.3	417.2	1.018	189.4	1158	7.62	0.105	42.0	0.0
	230.0 230.0	316.9 309.0	407.0 396.1	1.111 1.191	215.4 241.3	1145 1131	10.26 12.73	0.140	48.7 53.0	0.0
	230.0	297.4	380.6	1.317	272.4	1114	15.62	0.207	56.8	0.0
	230.0	287.1	368.1	1.443	299.6	1097	17.84	0.233	58.1	0.0
0.25 HP	230.0	277.5	357.8	1.542	321.7	1081	19.42	0.250	58.0	0.0
	230.0	276.9	357.1	1.548	323.1	1080	19.52	0.251	58.0	0.0
1075 RPM	230.0	274.0	354.0	1.579	329.8	1075	19.99	0.256	57.9	0.0
	230.0 230.0	266.3 254.9	345.4 333.9	1.661 1.777	347.8 371.6	1061 1041	21.08 22.41	0.266	57.1 55.7	0.0
	230.0	243.0	322.8	1.894	395.3	1018	23.46	0.284	53.7	0.0
	230.0	230.0	311.3	2.018	419.5	994	24.27	0.287	51.1	0.0
	230.0	217.2	301.0	2.136	441.9	968	24.66	0.284	47.9	0.0
BDT OZ-FT	230.0	208.6	294.6	2.214	455.8	947	24.76	0.279	45.7	0.0
	230.0 230.0	204.9 192.0	292.1 284.3	2.247	461.4 479.9	938 907	24.72 24.52	0.276 0.265	44.6 41.1	0.0
	230.0	179.6	280.6	2.450	498.0	873	23.84	0.248	37.1	0.0
	230.0	168.4	275.2	2.543	513.8	835	23.12	0.230	33.4	0.0
	230.0	157.8	270.4	2.641	527.7	795	22.28	0.211	29.8	0.0
	230.0 230.0	147.2 137.0	266.7 263.9	2.728 2.808	539.9 550.4	752 705	21.16 19.85	0.189 0.167	26.2 22.6	0.0
	230.0	127.5	261.9	2.879	559.0	654	18.51	0.144	19.2	0.0
	230.0	118.8	260.6	2.945	566.6	600	17.10	0.122	16.1	0.0
	230.0	110.3	259.7	3.001	572.2	542	15.60	0.101	13.1	0.0
	230.0	102.3	259.6	3.049	576.4	480	14.22	0.081	10.5	0.0
	230.0 230.0	95.3 90.2	260.5 262.7	3.089 3.118	580.0 582.9	413 342	13.14 12.15	0.065	8.3 6.3	0.0
	230.0	86.5	265.8	3.116	586.9	267	11.19	0.036	4.5	0.0
	230.0	83.0	269.3	3.175	590.8	186	9.82	0.022	2.7	0.0
	230.0	80.6	273.4	3.194	593.8	100	8.81	0.010	1.3	0.0
									DRAWING NO.	PAGE 5 of
									DRAWING NO.	4M097





# **Wiring Diagram**



