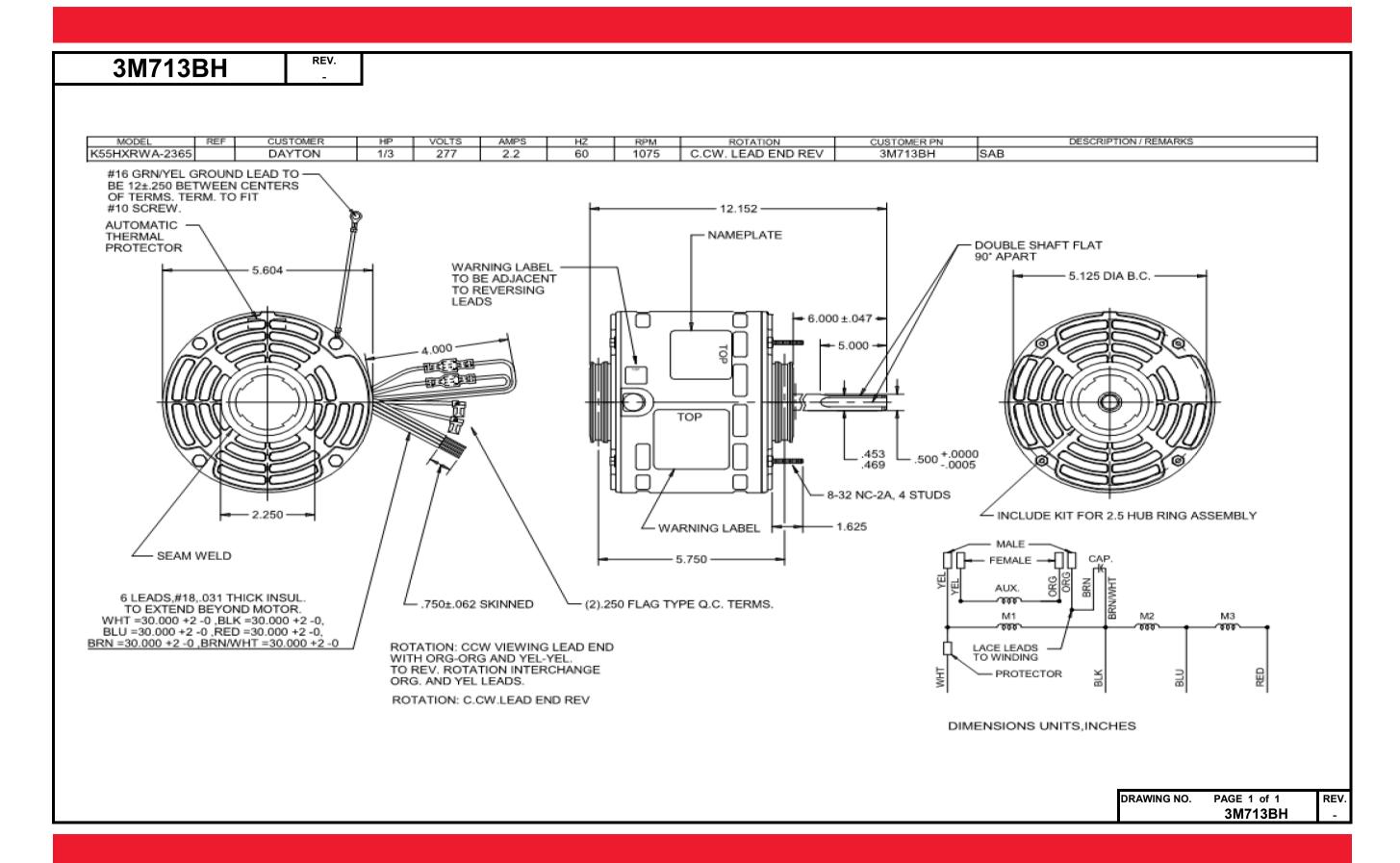
# **Dimensional Drawing**







3M713BI	REV.						
	SHADED-POLE &	PSC MOTO	R PERF	ORMAN	CE		
HP:	1/3						
Poles:	6						
Ambient (°C):	40						
Altitude (FASL):	1000						
No. of Speeds:	3						
		HIGH SPEED					
Volts:	277	277					
HZ:	60	60					
Service Factor:	1.0						
Efficiency:	@ Rated Load	59.5					
Power Factor:	@ Rated Load	78.1					
Amps:	@ No Load						
	@ Rated Load	2.4					
	@ Locked Rotor	5.1					
RPM:	@ Rated Load	1075					
Torques:	Breakdown	42.9					
Oz.Ft. / Lb.ln.	Locked Rotor	3.6					
(Circle One)	Pull-Up						
	Rated Load	32.3					
<b></b>	Service Factor	1					
Watts:	Rated Load	519					
Temperature Rise:	@ Rated Load						
Thermal Protector:	Trip Temp (°C)	125~135					
Winding Material:	Start (Auxiliary)	Cu					
	Run (Main)	Cu					
Capacitor:	Run (MFD / Volts)		4	1.0 MFD 370	)V		
	No. of Run Capacitors			1			
		DIUM-HIGH SI	PEED				
HP:	1/3		<u> </u>	<u> </u>	1	1	
Volts:	277	277					
HZ:	60	60					
Efficiency:	@ Rated Load						
Power Factor:	@ Rated Load	+		1			
Amps:	@ No Load			+			
	@ Rated Load						
T	@ Locked Rotor	000		+			
Torques:	Breakdown	28.2					
Oz.Ft. / Lb.In.	Locked Rotor	<del></del>		+			
(Circle One)	Pull-Up Rated Load	+		+			
Motto		<del></del>		+			
Watts:	Rated Load	<del></del>		+			
Temperature Rise:	@ Rated Load						

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

3M713BH



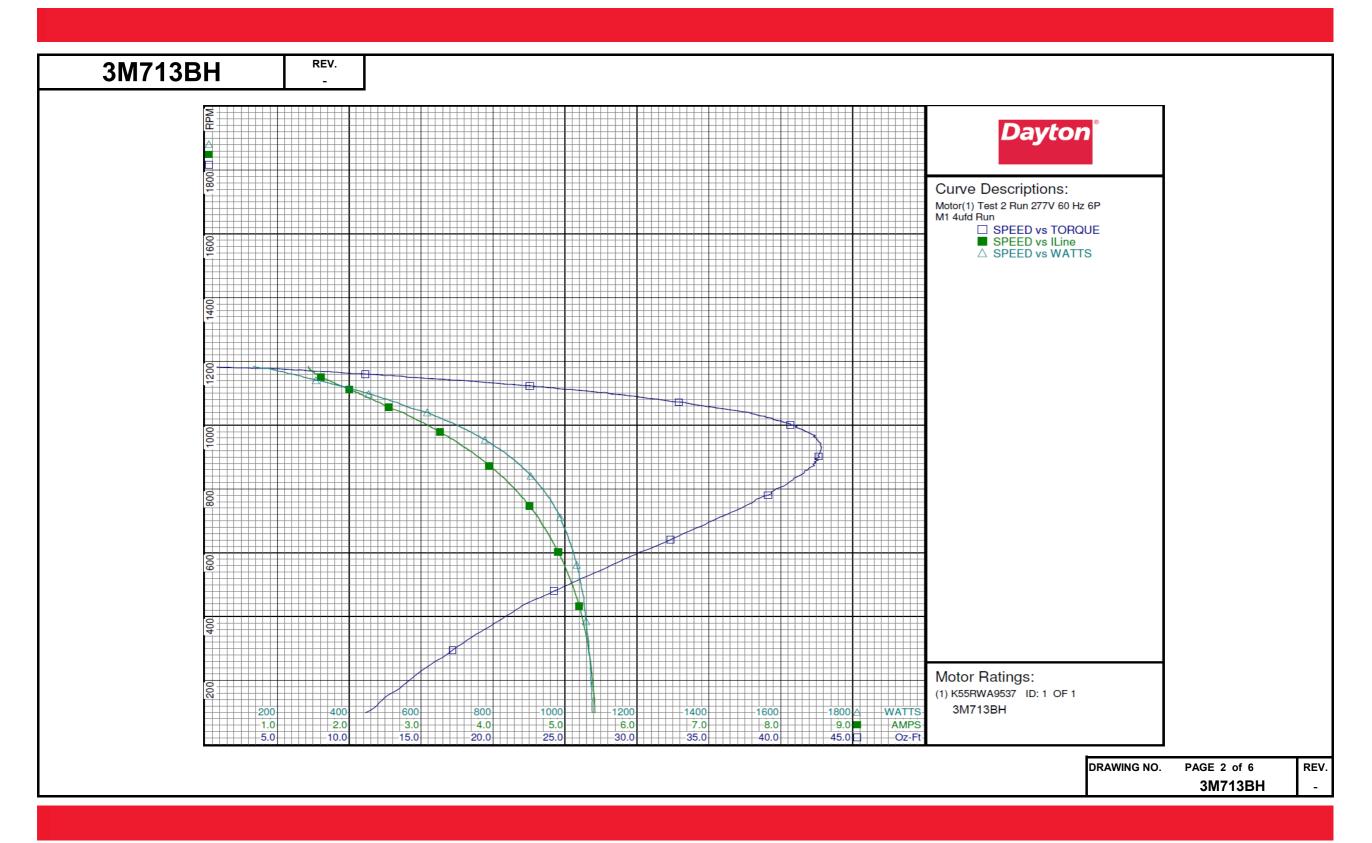
REV. 3M713BH **SHADED-POLE & PSC MOTOR PERFORMANCE MEDIUM-LOW SPEED** HP: 1/3 Volts: 277 120 208 230 277 460 100 200 HZ: 60 60 60 60 **50** 50 60 60 Efficiency: @ Rated Load **Power Factor:** @ Rated Load @ No Load Amps: @ Rated Load Breakdown **Torques:** Locked Rotor Oz.Ft. / Lb.In. Pull-Up (Circle 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: 1/3 277 277 Volts: HZ: 60 60 Efficiency: @ Rated Load **Power Factor:** @ Rated Load @ No Load Amps: @ Rated Load **Torques:** Breakdown 20.4 Locked Rotor Oz.Ft. / Lb.ln. Pull-Up (Circle One) Rated Load Watts: Rated Load **Temperature Rise:** @ Rated Load Notes: DRAWING NO. PAGE 1 REV.

3M713BH



3M713BH	REV.										
	<u> </u>			Day	ton Ma	nufactu	ring Con	npany			
Motor Des	cription					Test Cor	nditions				
Model:		7		Test Type:	Run	1050 001	Run Ca	p:	4		
Motor ID:	K55RWA953	/		Test Number:			Start Ca	•	0μfd		
Poles:	3M713BH			Poles:	6		Enviror		ομια		
Volts:	6			Volts:	277		Tested:		2/3/2007 7:23	·18 DM	
Frequency:	277			Hz:	60		Tested.		Sharp, Gerald		
HP:	60			Rotation:	00		Gear R		1:1		
	1/3										
Speed:	1075/3SPD			Special Cond:					-0.23 Oz-Ft		
Phase:	1			Speed Conn:	M1	C		ge 1 orque	:-0.98 Oz-Ft		
Protector:				TestBoard:	Amtps P	ertormance	Fixture #4				
Special Points	Vline(V)	Vaux (V)	Vcap(V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF (%)	
	277.0	264.5	412.9	1.433	132.7	1185	0.00	0.000	0.0	33.4	
	277.0	260.8	405.4	1.442	173.2	1178	4.43	0.062	26.8	43.3	
	277.0 277.0	257.7 255.0	399.3 393.8	1.484 1.540	207.3	1169 1160	7.96 11.11	0.111 0.153	39.8 47.6	50.5 56.3	
	277.0	251.5	387.3	1.632	281.6	1148	14.91	0.204	54.0	62.3	
	277.0	248.0	380.4	1.750	327.7	1137	18.80	0.254	57.9	67.6	
0 222 ***	277.0	243.3	373.3	1.887	375.1	1124	22.57	0.302	60.0	71.8	
0.333 HP	<b>277.0</b> 277.0	239.6 237.5	<b>368.2</b> 365.7	1.993 2.042	<b>409.2</b> 424.6	<b>1112</b> 1108	<b>25.15</b> 26.23	0.333 0.346	<b>60.7</b> 60.8	<b>74.1</b> 75.1	
	277.0	230.2	356.9	2.220	477.3	1091	29.76	0.340	60.4	77.6	
1075 RPM	277.0	222.4	348.3	2.367	518.6	1075	32.30	0.413	59.5	79.1	
	277.0	220.6	345.9	2.402	528.0	1072	32.93	0.420	59.4	79.4	
	277.0	215.7	338.7	2.599	579.0	1051	36.07	0.451	58.1	80.4	
	277.0 277.0	206.5 196.2	331.8 322.9	2.845 3.082	641.4 697.9	1028 1002	38.88 40.67	0.476 0.485	55.3 51.8	81.4 81.8	
	277.0	185.1	314.3	3.316	749.7	971	42.18	0.488	48.5	81.6	
	277.0	174.0	306.4	3.551	799.8	938	42.76	0.477	44.5	81.3	
BDT OZ-FT	277.0	171.2	304.9	3.604	809.8	930	42.85	0.474	43.7	81.1	
	277.0 277.0	162.4 151.3	299.6 294.0	3.781 3.996	844.9 884.8	902 864	42.63 41.93	0.458 0.431	40.4 36.4	80.7 79.9	
	277.0	140.5	289.5	4.197	920.3	824	40.65	0.399	32.3	79.2	
	277.0	130.5	286.4	4.378	949.9	781	39.12	0.364	28.6	78.3	
	277.0	121.2	284.2	4.539	974.9	736	37.06	0.325	24.9	77.5	
	277.0 277.0	112.2 104.0	282.8 282.2	4.680 4.811	994.2 1010.8	689 641	34.75 32.33	0.285 0.247	21.4 18.2	76.7 75.8	
	277.0	96.0	282.2		1026.5	590	29.64	0.208	15.1	75.1	
	277.0	88.9	282.8	5.036	1038.9	536	27.04	0.173	12.4	74.5	
	277.0	81.8	283.7		1048.1	480	24.25	0.139	9.9	73.7	
	277.0 277.0	75.0 69.3	285.3 287.1		1054.6 1060.9	421 359	21.57 19.36	0.108	7.6 5.8	73.0 72.6	
	277.0	64.4	289.0	5.328	1066.1	295	17.19	0.060	4.2	72.0	
	277.0	60.3	291.2	5.370	1071.4	228	14.94	0.041	2.8	72.0	
	277.0	56.5	294.3	5.403	1073.7	153	12.66	0.023	1.6	71.7	
									DRAWING NO.	PAGE 1 of 6	REV.
										3M713BH	_

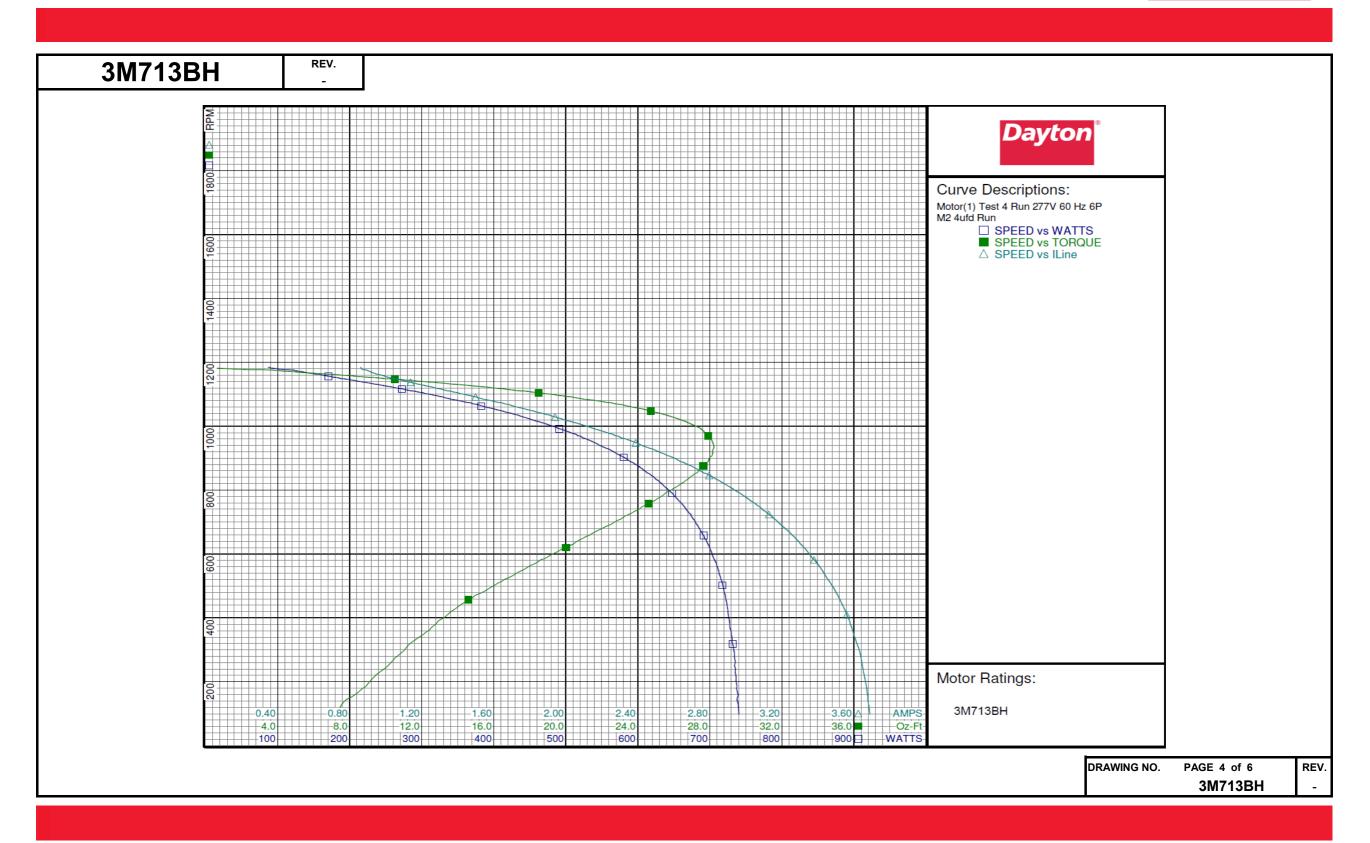






3M713BH	REV.										
	•	-			Dayt	on Ma	nufactu	ring Con	npany		
Motor	r Description	1					Test Cor	nditions			
Model:	K55RV	WA9537			Test Type:	Run		Run Ca	p:	4	
Motor 1	ID.				Test Number:	4		Start Ca	_	0μfd	
Poles:	ID: 3M713	рВП			Poles:	6		Enviror			
Volts:	277				Volts:	277		Tested:		2/3/2007 7:21	·59 PM
Freque					Hz:	60		Tested		Sharp, Gerald	
HP:	1/3				Rotation:	00		Gear R		1:1	
Speed:	1075/3	CDD			Special Cond:					-0.26 Oz-Ft	
Phase:	107373	SFD			Speed Conn:	M2				:-1.03 Oz-Ft	
Protect	or:				TestBoard:		arformanca	Fixture #4	ge Torque.	1.03 OZ-Ft	
Flotect	01.				restboard.	Amps	eriormance	Pixture #4			
Special Poin			ux (V)	Vcap(V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF (%)
			224.2	348.0	0.860	86.8	1184	0.00	0.000	0.0	36.4
			219.9 216.5	340.1 333.6	0.884 0.927	116.3 141.2	1176 1167	3.17 5.60	0.044	28.5 41.1	47.5 55.0
			212.6	325.8	0.995	170.7	1156	8.35	0.115	50.2	62.0
	2	77.0	208.5	317.9	1.082	202.5	1144	11.12	0.151	55.8	67.6
	2	77.0	205.0	310.8	1.187	237.5	1131	13.91	0.187	58.8	72.2
			200.2	303.4	1.303	272.5	1117	16.54	0.220	60.2	75.5
			194.3 187.9	295.3 287.6	1.427 1.555	309.2 343.8	1101 1083	19.09 21.24	0.250 0.274	60.4 59.4	78.2 79.8
1075 RPM			184.3	283.5	1.619	361.0	1075	22.21	0.284	58.7	80.5
	2	77.0	180.5	279.2	1.704	382.6	1063	23.36	0.296	57.7	81.1
			172.3	270.7	1.853	420.1	1042	25.09	0.311	55.3	81.8
			163.9 155.9	262.8 255.8	2.006 2.156	456.6 491.0	1017 992	26.52 27.51	0.321 0.325	52.5 49.3	82.2 82.2
			146.7	248.7	2.309	524.2	963	28.02	0.323	45.7	81.9
BDT OZ-FT			138.6	243.2	2.450	552.6	934	28.23	0.314	42.4	81.4
	2	77.0	138.6	243.2	2.450	552.6	934	28.23	0.314	42.4	81.4
			129.8	238.1	2.592	580.5	902	27.99	0.301	38.6	80.8
			121.5 113.4	233.9 230.6	2.727 2.851	606.3 628.4	866 830	27.47 26.66	0.283	34.9 31.3	80.3 79.6
			105.5	228.1	2.967	647.5	790	25.53	0.240	27.7	78.8
		77.0	98.0	226.6	3.074	664.5	748	24.25	0.216	24.2	78.0
		77.0	91.3	225.7	3.170	679.0	705	22.86	0.192	21.1	77.3
		77.0	84.6	225.4	3.259	691.3	658	21.28	0.167	18.0	76.6
		77.0	78.4	225.6 226.3	3.339 3.412	701.4	609 558	19.61 17.88	0.142	15.1 12.5	75.8
	2	77.0	66.8	227.3	3.477	717.7	502	16.05	0.096	10.0	74.5
	2	77.0	61.5	228.6	3.535	723.6	442	14.21	0.075	7.7	73.9
		77.0	57.0	230.2	3.580	727.4	382	12.80	0.058	6.0	73.4
		77.0 77.0	52.6 49.4	232.5 234.3	3.617 3.646	731.5 734.1	318 251	11.33 10.13	0.043	4.4 3.1	73.0 72.7
		77.0	46.7	236.3	3.672	737.2	178	8.68	0.018	1.9	72.5
		77.0	44.5	238.8	3.688	740.1	105	7.34	0.009	0.9	72.5
										DRAWING NO.	PAGE 3 of 6
											3M713BH

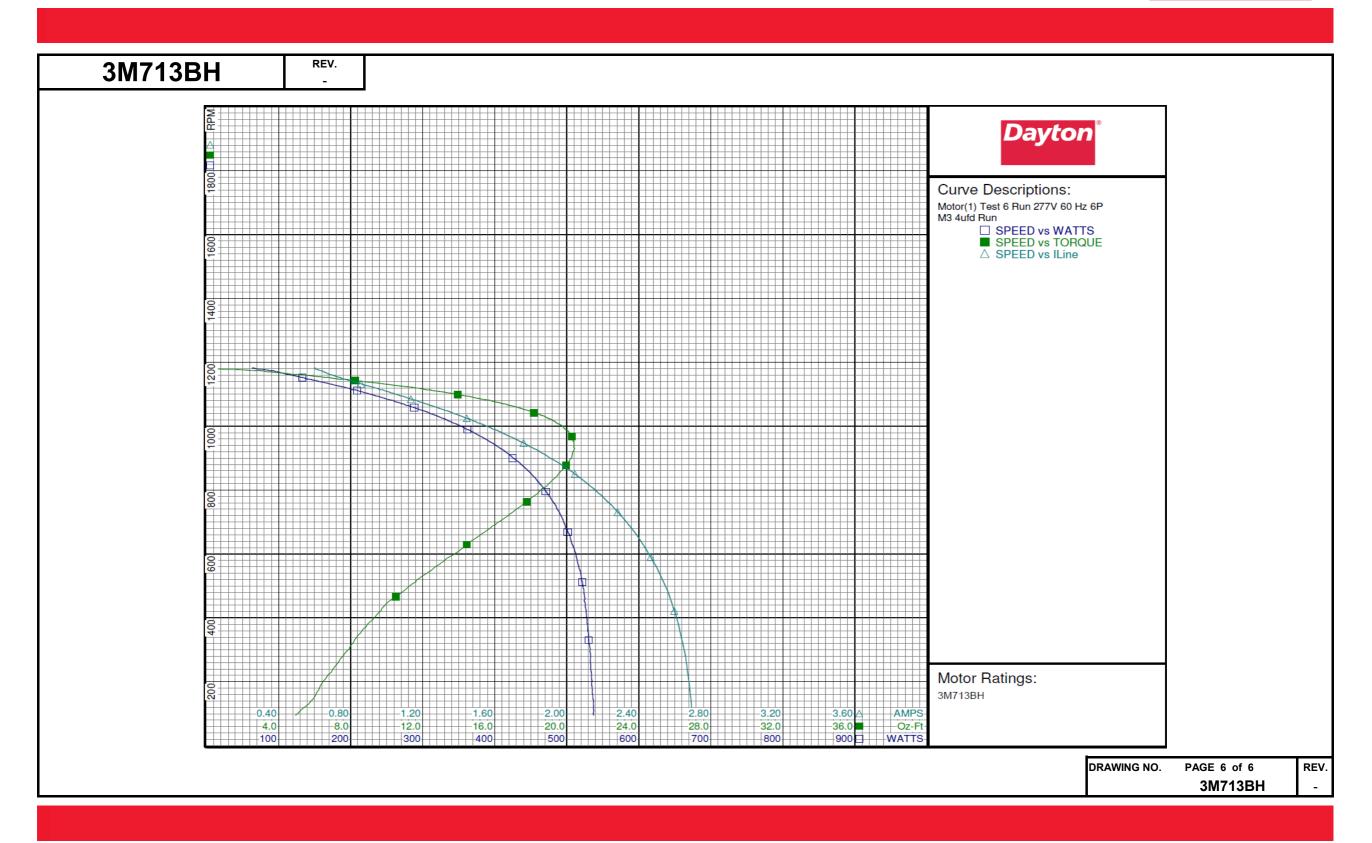






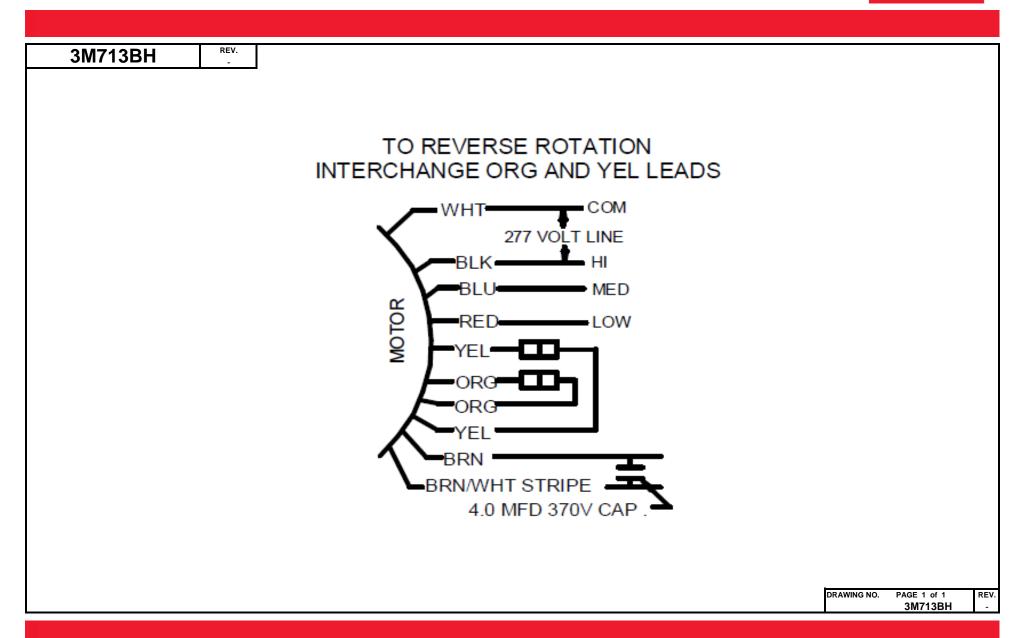
277.0 192.0 299.2 0.600 63.4 1182 0.00 0.000 0.00 38.1 29.9 50.0 277.0 184.0 284.0 0.627 86.9 1174 2.49 0.035 29.9 50.0 277.0 184.0 284.0 0.671 107.1 1165 4.42 0.061 42.7 57.6 277.0 177.8 269.2 0.812 156.6 1139 8.70 0.118 56.2 69.2 277.0 174.5 262.2 0.895 182.7 1126 10.70 0.143 58.6 73.7 277.0 169.9 255.3 0.985 208.8 1112 12.49 0.165 59.0 76.6 277.0 158.7 241.0 1.178 262.0 1076 15.96 0.204 58.2 80.3 1.079 235.0 1094 14.38 0.187 59.4 78.7 277.0 158.7 241.0 1.178 262.0 1076 15.96 0.204 58.2 80.3 1.079 235.0 1094 14.38 0.187 59.4 78.7 277.0 158.7 241.0 1.178 262.0 1076 15.96 0.204 58.2 80.3 277.0 152.4 234.0 1.283 288.4 1058 17.33 0.218 56.5 81.2 277.0 145.9 227.2 1.385 313.4 1037 18.43 0.228 54.2 81.2 277.0 139.1 220.7 1.491 338.3 1015 19.33 0.234 51.5 81.2 277.0 139.1 220.7 1.491 338.3 1015 19.33 0.234 51.5 81.9 277.0 125.0 209.1 1.702 384.2 963 20.32 0.233 45.2 81.5 277.0 117.8 204.0 1.806 405.8 934 20.39 0.227 41.7 81.5 277.0 117.8 204.0 1.806 405.8 934 20.39 0.227 41.7 81.5 277.0 117.8 204.0 1.806 405.8 934 20.39 0.227 41.7 81.5 277.0 117.8 204.0 1.806 405.8 934 20.39 0.227 41.7 81.5 277.0 104.0 196.3 1.996 442.5 868 19.83 0.226 41.4 81.6 277.0 90.8 191.8 2.166 471.0 796 18.47 0.175 27.7 78.5 277.0 90.8 191.8 2.166 471.0 796 18.47 0.175 27.7 78.5 277.0 78.6 189.8 2.312 493.3 712 16.56 0.140 21.2 77.0 277.0 78.6 189.8 2.312 493.3 712 16.56 0.140 21.2 77.0 78.6 189.8 2.312 493.3 712 16.56 0.140 21.2 77.0 277.0 78.6 189.8 2.312 493.3 712 16.56 0.140 21.2 77.0 277.0 78.6 189.8 2.312 493.3 712 16.56 0.140 21.2 77.0 27.0 78.6 189.8 2.312 493.3 712 16.56 0.140 21.2 77.0 27.0 57.9 189.6 2.537 501.5 668 15.42 0.123 18.2 76.2 277.0 49.1 194.3 2.613 528.2 393 9.20 0.043 6.1 73.0 277.0 42.7 198.5 2.578 523.8 454 10.16 0.055 7.8 73.3 277.0 49.1 194.3 2.613 528.2 393 9.20 0.043 6.1 73.0 277.0 42.7 198.3 2.663 532.6 262 7.32 0.003 3.2 4.5 72.2 277.0 49.1 194.3 2.613 528.2 393 9.20 0.043 6.1 73.0 277.0 42.7 198.3 2.663 532.6 262 7.32 0.003 3.2 4.5 72.2 277.0 42.7 198.3 2.663 532.6 532.6 262 7.32 0.003 3.2 72.2 277.0 42.7 198	M713BH	-			Dayt	on Ma	nufactu	ıring Con	npany		
Model: K55RWA9537	Motor Des	scription					Test Co	nditions			
Motor ID: Poles:   Sam   Cap:   Option   Optio			37		Test Type:				p:	4	
Poles:	Motor ID:	2M712BH				6		Start Ca	ap:	0µfd	
Frequency: 60 HP: 1/3 Speed: 1075/3SPD Phase: 1 Protector: TestBoard: Amtps Performance Fixture #4  Special Points Vine (V) Vaux (V) Vcap (V) Tiline (A) Watts RPM Tq(oz-ft) RP Eff (*) PF (*)					Poles:					•	
HP:   1/3   Speed:   1075/3SPD   Speed Con:   Speed Con:   Speed Con:   Speed Con:   Speed Con:   H3   Windage Torque: -0.99 Oz-Ft	Volts:	277			Volts:	277		Tested:		2/3/2007 7:09	:19 PM
HP:   1/3   Speed:   1075/3SPD   Speed Com:   Speed Com:   Speed Com:   TestBoard:   Speed Com:   TestBoard:   Speed Com:   TestBoard:   Speed Com:   Speed Com	Frequency:	60			Hz:	60		Tested	By:	Sharp, Gerald	l
Phase: 1 Protector:     Protector:   Protect		1/3			Rotation:						
Phase: 1 Protector:     Protector:   Protect	Speed:	1075/3SPD			Special Cond:			Bearing	Friction:	-0.28 Oz-Ft	
Special Points   Vline(V)   Vaux(V)   Vcap(V)   Iline(A)   Watts   RPM   Tq(Oz-ft)   RP   Eff(\$)   PF(\$)		1				M3					
277.0 192.0 299.2 0.600 63.4 1182 0.00 0.000 0.00 38.1 277.0 187.5 291.0 0.627 86.9 1174 2.49 0.035 29.9 50.0 277.0 184.0 284.0 0.671 107.1 1165 4.42 0.061 42.7 57.6 277.0 180.5 275.8 0.740 132.9 1153 6.74 0.092 51.9 64.8 277.0 177.8 269.2 0.812 156.6 1139 8.70 0.118 56.2 69.2 277.0 174.5 262.2 0.895 182.7 1126 10.70 0.143 58.6 73.7 277.0 169.9 255.3 0.985 208.8 1112 12.49 0.165 59.0 76.6 277.0 158.7 241.0 1.178 262.0 1076 15.96 0.204 58.2 80.3 1075 RPM 277.0 158.7 241.0 1.178 262.0 1076 15.96 0.204 58.2 80.3 1075 12.77.0 158.7 241.0 1.178 262.0 1076 15.96 0.204 58.2 80.3 12.7 12.7 12.7 12.7 12.7 12.7 12.7 12.7	Protector:				TestBoard:	Amtps P	erformance	Fixture #4			
277.0 187.5 291.0 0.627 86.9 1174 2.49 0.035 29.9 50.0 277.0 184.0 284.0 0.671 107.1 1165 4.42 0.061 42.7 57.6 277.0 180.5 275.8 0.740 132.9 1153 6.74 0.092 51.9 64.8 277.0 174.5 262.2 0.895 182.7 1126 10.70 0.143 58.6 73.7 277.0 169.9 255.3 0.985 208.8 1112 12.49 0.165 59.0 76.6 277.0 164.5 248.3 1.079 235.0 1094 14.38 0.187 59.4 78.7 277.0 158.7 241.0 1.178 262.0 1076 15.96 0.204 58.2 80.3 277.0 157.9 240.3 1.190 264.9 1075 16.13 0.206 58.1 80.3 277.0 152.4 234.0 1.283 288.4 1058 17.33 0.218 56.5 81.2 277.0 145.9 227.2 1.385 313.4 1037 18.43 0.228 54.2 81.5 277.0 139.1 220.7 1.491 338.3 1015 19.33 0.234 51.5 81.5 277.0 132.1 220.7 1.491 338.3 1015 19.33 0.234 51.5 81.5 277.0 117.8 204.6 1.806 405.8 934 20.39 0.237 41.7 81.1  BDT OZ-FT 277.0 117.0 203.5 1.816 407.8 930 20.43 0.226 41.4 81.0 277.0 90.8 191.8 1.996 424.9 901 20.27 0.217 38.2 80.6 277.0 78.6 189.8 1.996 442.5 868 19.83 0.226 41.4 81.0 277.0 99.8 191.8 2.166 471.0 796 18.47 0.175 27.7 78.5 277.0 78.6 189.8 2.312 493.3 712 16.56 0.140 21.2 77.0 277.0 78.6 189.8 2.312 493.3 712 16.56 0.140 21.2 77.0 77.5 27.7 78.5 277.0 67.7 189.9 2.435 509.7 619 14.23 0.105 77.8 27.7 78.5 277.0 78.6 189.8 2.312 493.3 712 16.56 0.140 21.2 77.0 27.7 0.57.9 189.6 2.537 501.5 667 12.92 0.087 12.6 67.4 27.0 27.0 57.9 189.6 2.537 501.5 667 12.92 0.087 12.6 67.4 27.0 27.0 49.1 194.3 2.613 528.2 393 9.20 0.043 6.1 73.0 27.0 49.1 194.3 2.613 528.2 393 9.20 0.043 6.1 73.0 27.0 49.1 194.3 2.613 528.2 393 9.20 0.007 12.6 67.4 2.7 70.0 57.9 189.6 2.537 501.5 668 15.42 0.123 18.2 76.2 277.0 49.1 194.3 2.613 528.2 393 9.20 0.043 6.1 73.0 277.0 49.1 194.3 2.613 528.2 393 9.20 0.043 6.1 73.0 277.0 49.1 194.3 2.613 528.2 393 9.20 0.003 3.2 4.5 72.2 277.0 49.1 194.3 2.613 528.2 393 9.20 0.003 3.2 4.5 72.2 277.0 42.7 198.3 2.663 532.6 262 7.32 0.003 3.2 4.5 72.2 277.0 42.7 198.3 2.663 532.6 262 7.32 0.003 3.2 72.2 277.0 49.1 194.3 2.663 532.6 532.6 262 7.32 0.003 3.2 72.2 277.0 42.7 198.3 2.663 532.6 532.6 262 7.32 0.003 3.2 72.2 277.0 42.7 198.3 2.663 532.6 532.6 532.6 262 7.32 0.003	Special Points										PF (%)
277.0 184.0 284.0 0.671 107.1 1165 4.42 0.061 42.7 57.6 64.8 277.0 180.5 275.8 0.740 132.9 1153 6.74 0.092 51.9 64.8 277.0 177.8 269.2 0.812 156.6 1139 8.70 0.118 56.2 69.7 277.0 169.5 269.2 0.895 182.7 1126 10.70 0.143 58.6 73.7 277.0 169.9 255.3 0.985 208.8 1112 12.49 0.165 59.0 76.6 277.0 169.5 248.3 1.079 235.0 1094 14.38 0.187 59.4 78.7 277.0 158.7 241.0 1.178 262.0 1076 15.96 0.204 58.2 80.3 277.0 158.7 241.0 1.178 262.0 1076 15.96 0.204 58.2 80.3 277.0 152.4 234.0 1.283 288.4 1058 17.33 0.218 56.5 81.2 277.0 145.9 227.2 1.385 313.4 1037 18.43 0.228 54.2 81.7 277.0 139.1 220.7 1.491 338.3 1015 19.33 0.234 51.5 81.9 277.0 132.1 214.5 1.598 362.1 989 19.93 0.235 48.3 81.8 277.0 125.0 209.1 1.702 384.2 963 20.32 0.233 45.2 81.5 277.0 117.8 204.0 1.806 405.8 934 20.39 0.227 41.7 81.1 81.1 277.0 117.0 203.5 1.816 407.8 930 20.43 0.226 41.4 81.6 277.0 117.0 203.5 1.816 407.8 930 20.43 0.226 41.4 81.6 277.0 110.8 199.8 1.903 424.9 901 20.27 0.217 38.2 80.6 277.0 97.2 193.7 2.084 457.6 833 19.24 0.191 31.1 79.3 277.0 90.8 191.8 2.166 471.0 796 18.47 0.175 27.7 78.5 277.0 78.6 189.8 2.312 493.3 712 16.56 0.140 21.2 77.0 27.0 78.6 189.8 2.312 493.3 712 16.56 0.140 21.2 77.0 27.0 78.6 189.8 2.312 493.3 712 16.56 0.140 21.2 77.0 27.0 78.6 189.8 2.312 493.3 712 16.56 0.140 21.2 77.0 27.0 57.9 191.6 2.537 501.5 668 15.42 0.123 18.2 77.0 27.0 57.9 191.6 2.537 501.5 668 15.42 0.123 18.2 77.0 27.0 62.5 190.7 2.489 515.6 567 12.92 0.0087 12.6 74.8 277.0 57.9 191.6 2.537 501.5 668 15.42 0.123 18.2 77.2 277.0 42.7 194.3 2.613 528.2 393 9.20 0.003 6.1 73.2 277.0 42.7 194.3 2.613 528.2 393 9.20 0.003 6.1 73.2 277.0 42.7 194.3 2.613 528.2 393 9.20 0.0043 6.1 73.2 277.0 42.7 198.3 2.663 532.6 262 7.32 0.003 3.2 45.2 72.2 277.0 42.7 198.3 2.663 532.6 262 7.32 0.003 3.2 72.2 277.0 42.7 198.3 2.663 532.6 262 7.32 0.003 3.2 72.2 277.0 42.7 198.3 2.663 532.6 262 7.32 0.003 3.2 272.2 277.0 42.7 198.3 2.663 532.6 262 7.32 0.003 3.2 272.2 277.0 42.7 198.3 2.663 532.6 262 7.32 0.003 3.2 272.2 277.0 42.7 198.3 2.663 532.6 262 7.32 0.003 3											
277.0 180.5 275.8 0.740 132.9 1153 6.74 0.092 51.9 64.8 277.0 177.8 269.2 0.895 182.7 1126 10.70 0.118 56.2 69.7 277.0 174.5 262.2 0.895 182.7 1126 10.70 0.143 58.6 73.7 277.0 169.9 255.3 0.985 208.8 1112 12.49 0.165 59.0 76.6 277.0 169.9 255.3 0.985 208.8 1112 12.49 0.165 59.0 76.6 277.0 169.9 240.3 1.079 235.0 1094 14.38 0.187 59.4 78.7 277.0 158.7 241.0 1.178 262.0 1076 15.96 0.204 58.2 80.3 277.0 158.7 241.0 1.178 262.0 1076 15.96 0.204 58.2 80.3 277.0 152.4 234.0 1.283 288.4 1058 17.33 0.206 58.1 80.3 277.0 145.9 227.2 1.385 313.4 1037 18.43 0.228 54.2 81.7 277.0 145.9 227.2 1.385 313.4 1037 18.43 0.228 54.2 81.7 277.0 139.1 220.7 1.491 338.3 1015 19.33 0.234 51.5 81.9 277.0 132.1 214.5 1.598 362.1 989 19.93 0.235 48.3 81.8 277.0 125.0 209.1 1.702 384.2 963 20.32 0.233 45.2 81.5 277.0 117.8 204.0 1.806 405.8 934 20.39 0.227 41.7 81.1 80.5 277.0 110.8 199.8 1.903 402.8 934 20.39 0.227 41.7 81.1 80.5 277.0 110.8 199.8 1.903 20.43 0.226 41.4 81.0 277.0 10.4 10.8 199.8 1.903 424.9 901 20.27 0.217 38.2 80.6 277.0 97.2 193.7 2.084 457.6 833 19.24 0.191 31.1 79.3 277.0 90.8 191.8 2.166 471.0 796 18.47 0.175 27.7 78.5 277.0 78.6 189.8 2.312 493.3 712 16.56 0.140 21.2 77.0 72.9 189.6 2.377 501.5 668 15.42 0.123 18.2 477.0 277.0 78.6 189.8 2.312 493.3 712 16.56 0.140 21.2 77.0 277.0 62.5 190.7 2.243 483.4 756 17.58 0.158 24.4 77.6 277.0 78.6 189.8 2.312 493.3 712 16.56 0.140 21.2 77.0 277.0 62.5 190.7 2.489 515.6 567 12.92 0.087 12.6 74.8 277.0 57.9 191.6 2.537 501.5 668 15.42 0.123 18.2 76.2 277.0 45.8 19.9 2.435 509.7 619 14.23 0.105 15.3 75.6 277.0 45.8 19.6 2.578 523.8 454 10.16 0.055 7.8 73.3 277.0 45.8 19.9 2.435 509.7 619 14.23 0.105 15.3 75.6 277.0 45.8 19.9 2.435 509.7 619 14.23 0.105 15.3 75.6 277.0 45.8 19.9 2.435 509.7 619 14.23 0.105 15.3 75.6 277.0 45.8 19.9 2.435 509.7 619 14.23 0.105 15.3 75.6 277.0 45.8 19.9 2.435 509.7 619 14.23 0.105 15.3 75.6 277.0 45.8 19.9 2.435 509.7 619 14.23 0.105 15.3 75.6 277.0 45.8 19.9 2.435 509.7 619 14.23 0.105 15.3 75.6 277.0 45.8 19.9 19.6 2.578 523.8 454 10.16 0.055											57.6
174.5   262.2   0.895   182.7   1126   10.70   0.143   58.6   73.7   76.6   73.7   76.6   73.7   76.6   73.7   76.6   73.7   75.7   7				275.8	0.740	132.9		6.74	0.092		64.8
1075 RPM											
277.0 158.7 241.0 1.178 262.0 1076 15.96 0.204 58.2 80.3 1075 RPM 277.0 158.7 241.0 1.178 262.0 1076 15.96 0.204 58.2 80.3 1075 RPM 277.0 157.9 240.3 1.190 264.9 1075 16.13 0.206 58.1 80.3 277.0 145.9 227.2 1.385 313.4 1058 17.33 0.218 56.5 81.2 277.0 139.1 220.7 1.491 338.3 1015 19.33 0.234 51.5 81.9 277.0 132.1 214.5 1.598 362.1 989 19.93 0.235 48.3 277.0 117.8 204.0 1.806 405.8 934 20.39 0.227 41.7 81.5 81.9 277.0 117.8 204.0 1.806 405.8 934 20.39 0.227 41.7 81.5 81.9 277.0 110.8 19.93 1.20.27 81.5 81.9 277.0 110.8 199.8 1.993 424.9 901 20.27 0.217 38.2 80.6 277.0 110.8 199.8 1.993 424.9 901 20.27 0.217 38.2 80.6 277.0 104.0 196.3 1.996 442.5 868 19.83 0.205 34.5 80.6 277.0 90.8 191.8 2.166 471.0 796 18.47 0.175 27.7 82.7 277.0 78.6 189.8 2.312 493.3 712 16.56 0.140 21.2 77.0 277.0 78.6 189.8 2.312 493.3 712 16.56 0.140 21.2 77.0 277.0 67.7 189.9 2.435 500.7 619 14.23 0.105 15.3 18.2 76.2 277.0 57.9 191.6 2.537 501.5 668 15.42 0.123 18.2 76.2 277.0 57.9 191.6 2.537 501.5 668 15.42 0.123 18.2 76.2 277.0 40.4 199.6 2.537 521.7 512 11.61 0.071 10.1 74.8 277.0 42.7 198.3 2.663 532.6 262 7.32 0.023 3.2 72.2 277.0 42.7 198.3 2.663 532.6 262 7.32 0.023 3.2 72.2 277.0 40.4 199.6 2.680 534.3 193 6.37 0.015 2.0 72.2 277.0 40.4 199.6 2.680 534.3 193 6.37 0.015 2.0											
1075 RPM		277.0	164.5			235.0			0.187		78.7
## Page 12	1075 554										80.3
277.0 145.9 227.2 1.385 313.4 1037 18.43 0.228 54.2 81.7 277.0 139.1 220.7 1.491 338.3 1015 19.33 0.234 51.5 81.9 277.0 132.1 214.5 1.598 362.1 989 19.93 0.235 48.3 81.8 277.0 125.0 209.1 1.702 384.2 963 20.32 0.233 45.2 81.5 277.0 117.8 204.0 1.806 405.8 934 20.39 0.227 41.7 81.1 277.0 117.0 203.5 1.816 407.8 930 20.43 0.226 41.4 81.0 277.0 110.8 199.8 1.993 424.9 901 20.27 0.217 38.2 80.6 277.0 104.0 196.3 1.996 442.5 868 19.83 0.205 34.5 80.0 277.0 97.2 193.7 2.084 457.6 833 19.24 0.191 31.1 79.3 277.0 90.8 191.8 2.166 471.0 796 18.47 0.175 27.7 78.5 277.0 78.6 189.8 2.312 493.3 712 16.56 0.140 21.2 77.6 277.0 78.6 189.8 2.312 493.3 712 16.56 0.140 21.2 77.6 277.0 78.6 189.8 2.312 493.3 712 16.56 0.140 21.2 77.6 277.0 62.5 190.7 2.489 515.6 668 15.42 0.123 18.2 76.2 277.0 62.5 190.7 2.489 515.6 567 12.92 0.087 12.6 74.8 277.0 57.9 191.6 2.537 521.7 512 11.61 0.071 10.1 74.2 277.0 57.9 191.6 2.537 521.7 512 11.61 0.071 10.1 74.2 277.0 45.8 196.1 2.537 521.7 512 11.61 0.071 10.1 74.2 277.0 45.8 196.1 2.639 530.5 331 8.21 0.032 4.5 72.6 277.0 42.7 198.3 2.663 532.6 262 7.32 0.023 3.2 72.2 277.0 42.7 198.3 2.663 532.6 262 7.32 0.023 3.2 72.2 277.0 44.7 198.3 2.663 532.6 262 7.32 0.023 3.2 72.2 277.0 40.4 199.6 2.680 534.3 193 6.37 0.015 2.0 72.0	1075 RPM										
277.0 139.1 220.7 1.491 338.3 1015 19.33 0.234 51.5 81.9 277.0 132.1 214.5 1.598 362.1 989 19.93 0.235 48.3 81.8 277.0 125.0 209.1 1.702 384.2 963 20.32 0.233 45.2 81.5 277.0 117.8 204.0 1.806 405.8 934 20.39 0.227 41.7 81.1 277.0 110.8 199.8 1.903 424.9 901 20.27 0.217 38.2 80.6 277.0 104.0 196.3 1.996 442.5 868 19.83 0.205 34.5 80.6 277.0 97.2 193.7 2.084 457.6 833 1.924 0.191 31.1 79.3 277.0 90.8 191.8 2.166 471.0 796 18.47 0.175 27.7 78.5 277.0 84.7 190.5 2.243 483.4 756 17.58 0.158 24.4 77.8 277.0 78.6 189.8 2.312 493.3 712 16.56 0.140 21.2 77.0 277.0 72.9 189.6 2.377 501.5 668 15.42 0.123 18.2 76.2 277.0 67.7 189.9 2.435 509.7 619 14.23 0.105 15.3 75.6 277.0 57.9 191.6 2.537 521.7 512 11.61 0.071 10.1 74.2 277.0 45.8 196.1 2.639 530.5 331 8.21 0.032 4.5 72.6 277.0 45.8 196.1 2.639 530.5 331 8.21 0.032 4.5 72.6 277.0 45.8 196.1 2.639 530.5 331 8.21 0.032 4.5 72.6 277.0 45.8 196.1 2.639 530.5 331 8.21 0.032 4.5 72.6 277.0 45.8 196.1 2.639 530.5 331 8.21 0.032 4.5 72.6 277.0 45.8 196.1 2.639 530.5 331 8.21 0.032 4.5 72.6 277.0 45.8 196.1 2.639 530.5 331 8.21 0.032 4.5 72.6 277.0 45.8 196.1 2.639 530.5 331 8.21 0.032 4.5 72.6 277.0 40.4 199.6 2.680 534.3 193 6.37 0.015 2.0 72.0											81.7
BDT OZ-FT 277.0 125.0 209.1 1.702 384.2 963 20.32 0.233 45.2 81.5 277.0 117.8 204.0 1.806 405.8 934 20.39 0.227 41.7 81.1 81.0 277.0 117.0 203.5 1.816 407.8 930 20.43 0.226 41.4 81.0 277.0 110.8 199.8 1.903 424.9 901 20.27 0.217 38.2 80.6 277.0 104.0 196.3 1.996 442.5 868 19.83 0.205 34.5 80.6 277.0 97.2 193.7 2.084 457.6 833 19.24 0.191 31.1 79.3 277.0 90.8 191.8 2.166 471.0 796 18.47 0.175 27.7 78.5 277.0 78.6 189.8 2.312 493.3 712 16.56 0.140 21.2 77.0 277.0 78.6 189.8 2.312 493.3 712 16.56 0.140 21.2 77.0 277.0 67.7 189.9 2.435 509.7 619 14.23 0.105 15.3 75.6 277.0 62.5 190.7 2.489 515.6 567 12.92 0.087 12.6 74.8 277.0 57.9 191.6 2.537 521.7 512 11.61 0.071 10.1 74.2 277.0 49.1 194.3 2.613 528.2 393 9.20 0.043 6.1 73.0 277.0 49.1 194.3 2.613 528.2 393 9.20 0.043 6.1 73.0 277.0 45.8 196.1 2.639 532.6 262 7.32 0.023 3.2 72.6 277.0 40.4 199.6 2.680 534.3 193 6.37 0.015 2.0 72.0					1.491				0.234		81.9
BDT OZ-FT 277.0 117.8 204.0 1.806 405.8 934 20.39 0.227 41.7 81.1   BDT OZ-FT 277.0 117.0 203.5 1.816 407.8 930 20.43 0.226 41.4 81.0   277.0 110.8 199.8 1.903 424.9 901 20.27 0.217 38.2 80.6   277.0 104.0 196.3 1.996 442.5 868 19.83 0.205 34.5 80.0   277.0 97.2 193.7 2.084 457.6 833 19.24 0.191 31.1 79.3   277.0 90.8 191.8 2.166 471.0 796 18.47 0.175 27.7 78.5   277.0 84.7 190.5 2.243 483.4 756 17.58 0.158 24.4 77.8   277.0 78.6 189.8 2.312 493.3 712 16.56 0.140 21.2 77.0   277.0 72.9 189.6 2.377 501.5 668 15.42 0.123 18.2 76.2   277.0 67.7 189.9 2.435 509.7 619 14.23 0.105 15.3 75.6   277.0 62.5 190.7 2.489 515.6 567 12.92 0.087 12.6 74.8   277.0 53.2 192.7 2.578 523.8 454 10.16 0.071 10.1 74.2   277.0 49.1 194.3 2.613 528.2 393 9.20 0.043 6.1 73.0   277.0 45.8 196.1 2.639 530.5 331 8.21 0.032 4.5 72.6   277.0 45.8 196.1 2.639 530.5 331 8.21 0.032 4.5 72.6   277.0 42.7 198.3 2.663 532.6 262 7.32 0.023 3.2 72.2   277.0 40.4 199.6 2.680 534.3 193 6.37 0.015 2.0 72.0											
BDT OZ-FT 277.0 110.8 199.8 1.903 424.9 901 20.27 0.217 38.2 80.6 277.0 104.0 196.3 1.996 442.5 86.8 19.83 0.226 277.0 97.2 193.7 2.084 457.6 833 19.24 0.191 31.1 79.3 277.0 90.8 191.8 2.166 471.0 796 18.47 0.175 27.7 78.5 277.0 78.6 189.8 2.312 493.3 712 16.56 0.140 21.2 77.0 277.0 72.9 189.6 2.377 501.5 668 15.42 0.123 18.2 76.2 277.0 62.5 190.7 2.489 515.6 567 12.92 0.087 12.6 74.8 277.0 57.9 191.6 2.537 521.7 512 11.61 0.071 10.1 74.2 277.0 57.9 191.6 2.537 521.7 512 11.61 0.071 10.1 74.2 277.0 49.1 194.3 2.613 528.2 393 9.20 0.043 6.1 73.3 277.0 49.1 194.3 2.613 528.2 393 9.20 0.043 6.1 73.0 277.0 45.8 196.1 2.639 530.5 331 8.21 0.032 4.5 72.6 277.0 42.7 198.3 2.663 532.6 262 7.32 0.023 3.2 72.2 277.0 40.4 199.6 2.680 534.3 193 6.37 0.015 2.0 72.2											
277.0       104.0       196.3       1.996       442.5       868       19.83       0.205       34.5       80.0         277.0       97.2       193.7       2.084       457.6       833       19.24       0.191       31.1       79.3         277.0       90.8       191.8       2.166       471.0       796       18.47       0.175       27.7       78.5         277.0       84.7       190.5       2.243       483.4       756       17.58       0.158       24.4       77.0         277.0       78.6       189.8       2.312       493.3       712       16.56       0.140       21.2       77.0         277.0       72.9       189.6       2.377       501.5       668       15.42       0.123       18.2       76.2         277.0       67.7       189.9       2.435       509.7       619       14.23       0.105       15.3       75.6         277.0       62.5       190.7       2.489       515.6       567       12.92       0.087       12.6       74.8         277.0       53.2       192.7       2.578       523.8       454       10.16       0.055       7.8       73.3 <td< td=""><td>BDT OZ-FT</td><td>277.0</td><td>117.0</td><td></td><td></td><td>407.8</td><td></td><td></td><td>0.226</td><td></td><td>81.0</td></td<>	BDT OZ-FT	277.0	117.0			407.8			0.226		81.0
277.0       97.2       193.7       2.084       457.6       833       19.24       0.191       31.1       79.3         277.0       90.8       191.8       2.166       471.0       796       18.47       0.175       27.7       78.5         277.0       84.7       190.5       2.243       483.4       756       17.58       0.158       24.4       77.0         277.0       78.6       189.8       2.312       493.3       712       16.56       0.140       21.2       77.0         277.0       72.9       189.6       2.377       501.5       668       15.42       0.123       18.2       76.2         277.0       67.7       189.9       2.435       509.7       619       14.23       0.105       15.3       75.6         277.0       62.5       190.7       2.489       515.6       567       12.92       0.087       12.6       74.2         277.0       57.9       191.6       2.537       521.7       512       11.61       0.071       10.1       74.2         277.0       49.1       194.3       2.613       528.2       393       9.20       0.043       6.1       73.0         2											80.6
277.0     90.8     191.8     2.166     471.0     796     18.47     0.175     27.7     78.5       277.0     84.7     190.5     2.243     483.4     756     17.58     0.158     24.4     77.8       277.0     78.6     189.8     2.312     493.3     712     16.56     0.140     21.2     77.8       277.0     72.9     189.6     2.377     501.5     668     15.42     0.123     18.2     76.2       277.0     67.7     189.9     2.435     509.7     619     14.23     0.105     15.3     75.6       277.0     62.5     190.7     2.489     515.6     567     12.92     0.087     12.6     74.8       277.0     57.9     191.6     2.537     521.7     512     11.61     0.071     10.1     74.2       277.0     53.2     192.7     2.578     523.8     454     10.16     0.055     7.8     73.3       277.0     49.1     194.3     2.613     528.2     393     9.20     0.043     6.1     73.0       277.0     45.8     196.1     2.639     530.5     331     8.21     0.032     4.5     72.6       277.0     42.7     <									0.205		
277.0     84.7     190.5     2.243     483.4     756     17.58     0.158     24.4     77.8       277.0     78.6     189.8     2.312     493.3     712     16.56     0.140     21.2     77.0       277.0     72.9     189.6     2.377     501.5     668     15.42     0.123     18.2     76.2       277.0     67.7     189.9     2.435     509.7     619     14.23     0.105     15.3     75.6       277.0     62.5     190.7     2.489     515.6     567     12.92     0.087     12.6     74.8       277.0     57.9     191.6     2.537     521.7     512     11.61     0.071     10.1     74.2       277.0     53.2     192.7     2.578     523.8     454     10.16     0.055     7.8     73.3       277.0     49.1     194.3     2.613     528.2     393     9.20     0.043     6.1     73.0       277.0     45.8     196.1     2.639     530.5     331     8.21     0.032     4.5     72.6       277.0     42.7     198.3     2.663     532.6     262     7.32     0.023     3.2     72.2       277.0     40.4 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>											
277.0     72.9     189.6     2.377     501.5     668     15.42     0.123     18.2     76.2       277.0     67.7     189.9     2.435     509.7     619     14.23     0.105     15.3     75.6       277.0     62.5     190.7     2.489     515.6     567     12.92     0.087     12.6     74.8       277.0     57.9     191.6     2.537     521.7     512     11.61     0.071     10.1     74.2       277.0     53.2     192.7     2.578     523.8     454     10.16     0.055     7.8     73.3       277.0     49.1     194.3     2.613     528.2     393     9.20     0.043     6.1     73.3       277.0     45.8     196.1     2.639     530.5     331     8.21     0.032     4.5     72.6       277.0     42.7     198.3     2.663     532.6     262     7.32     0.023     3.2     72.2       277.0     40.4     199.6     2.680     534.3     193     6.37     0.015     2.0     72.0		277.0	84.7		2.243	483.4	756	17.58	0.158		77.8
277.0     67.7     189.9     2.435     509.7     619     14.23     0.105     15.3     75.6       277.0     62.5     190.7     2.489     515.6     567     12.92     0.087     12.6     74.8       277.0     57.9     191.6     2.537     521.7     512     11.61     0.071     10.1     74.2       277.0     53.2     192.7     2.578     523.8     454     10.16     0.055     7.8     73.3       277.0     49.1     194.3     2.613     528.2     393     9.20     0.043     6.1     73.0       277.0     45.8     196.1     2.639     530.5     331     8.21     0.032     4.5     72.6       277.0     42.7     198.3     2.663     532.6     262     7.32     0.023     3.2     72.2       277.0     40.4     199.6     2.680     534.3     193     6.37     0.015     2.0     72.0											77.0
277.0     62.5     190.7     2.489     515.6     567     12.92     0.087     12.6     74.8       277.0     57.9     191.6     2.537     521.7     512     11.61     0.071     10.1     74.2       277.0     53.2     192.7     2.578     523.8     454     10.16     0.055     7.8     73.3       277.0     49.1     194.3     2.613     528.2     393     9.20     0.043     6.1     73.0       277.0     45.8     196.1     2.639     530.5     331     8.21     0.032     4.5     72.6       277.0     42.7     198.3     2.663     532.6     262     7.32     0.023     3.2     72.2       277.0     40.4     199.6     2.680     534.3     193     6.37     0.015     2.0     72.0											
277.0     57.9     191.6     2.537     521.7     512     11.61     0.071     10.1     74.2       277.0     53.2     192.7     2.578     523.8     454     10.16     0.055     7.8     73.3       277.0     49.1     194.3     2.613     528.2     393     9.20     0.043     6.1     73.0       277.0     45.8     196.1     2.639     530.5     331     8.21     0.032     4.5     72.6       277.0     42.7     198.3     2.663     532.6     262     7.32     0.023     3.2     72.2       277.0     40.4     199.6     2.680     534.3     193     6.37     0.015     2.0     72.0											
277.0     49.1     194.3     2.613     528.2     393     9.20     0.043     6.1     73.0       277.0     45.8     196.1     2.639     530.5     331     8.21     0.032     4.5     72.6       277.0     42.7     198.3     2.663     532.6     262     7.32     0.023     3.2     72.2       277.0     40.4     199.6     2.680     534.3     193     6.37     0.015     2.0     72.0		277.0	57.9	191.6	2.537	521.7	512	11.61	0.071	10.1	74.2
277.0 45.8 196.1 2.639 530.5 331 8.21 0.032 4.5 72.6 277.0 42.7 198.3 2.663 532.6 262 7.32 0.023 3.2 72.2 277.0 40.4 199.6 2.680 534.3 193 6.37 0.015 2.0 72.0		277.0									73.3
277.0 42.7 198.3 2.663 532.6 262 7.32 0.023 3.2 72.2 277.0 40.4 199.6 2.680 534.3 193 6.37 0.015 2.0 72.0											
277.0 40.4 199.6 2.680 534.3 193 6.37 0.015 2.0 72.0											72.0
277.0 38.6 201.6 2.693 536.7 116 5.33 0.007 1.0 71.9		277.0	40.4	199.6	2.680	534.3	193	6.37	0.015	2.0	72.0
		277.0	38.6	201.6	2.693	536.7	116	5.33	0.007	1.0	71.9
											3M71





#### **Wiring Diagram**





# **Dayton**®

#### **DIRECT DRIVE BLOWER MOTOR**

**HP:** 1/3

**VOLTS: 277** 

**AMPS**: 2.2 **RPM**: 1075 / 3SPD

**DUTY: CONT** 

SF: 1.0 KVA CODE:

ENCL: OAO THERMALLY PROTECTED: AUTO

F37403

MFG. NO. PROT. CODE: 7A000 MTR REF: K55HXRWA-2365

258501

**PH** ⋅ 1

**HZ**: 60 **FR**: 48YZ

INS CL: B AMB: 40 ℃

SFA:

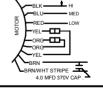
AVG F I

FFF

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

Part 3M713BH

TO REVERSE ROTATION INTERCHANGE ORG AND YEL LEADS 277 VOLT LINE



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

Made in China