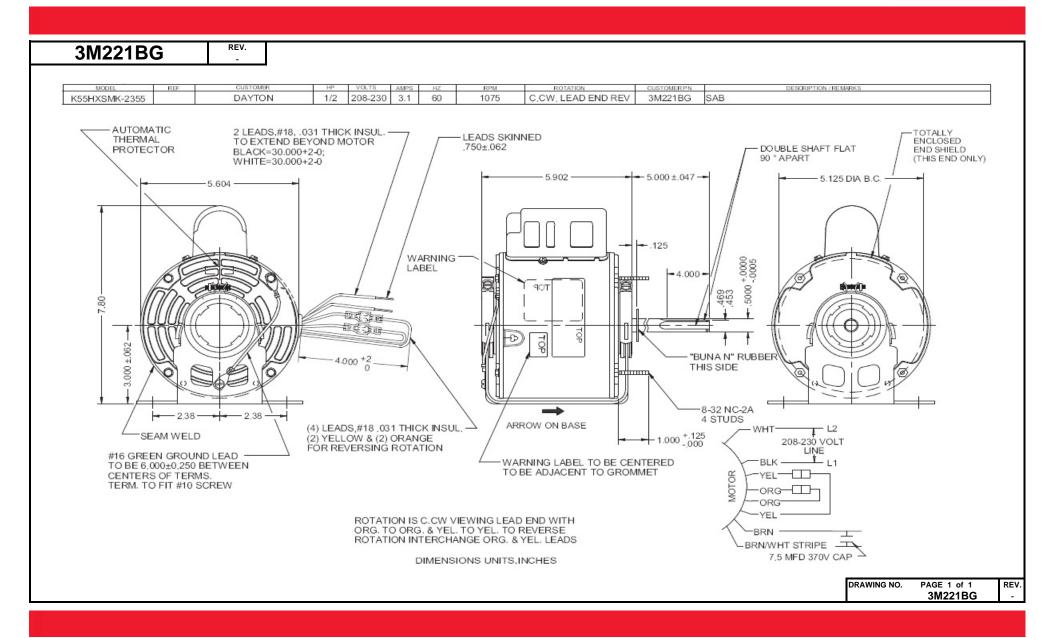
# **Dimensional Drawing**







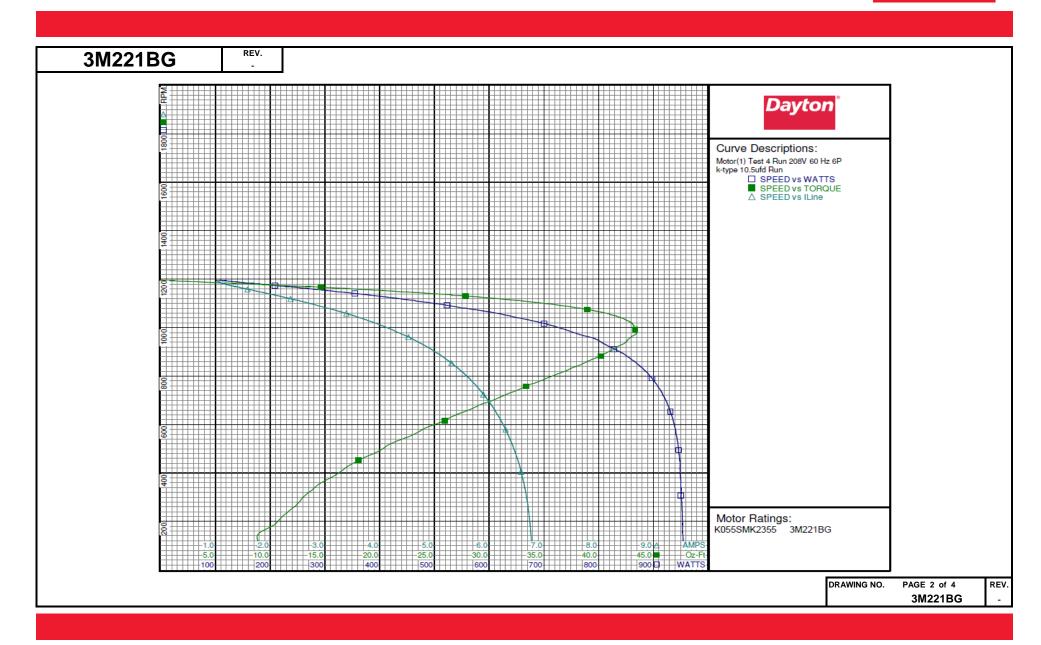
3M221BG	-									
	MOTO	OR PEF	RFORM	ANCE						
HP:	1/2									
Poles:	6									
Ambient (°C)	60									
Altitude (FASL):										
No. of Speeds:	1									
Volts:	208/230	208	230							
HZ:	60	60	60							
Service Factor:	1									
Efficiency:	@ Rated Load									
Power Factor:	@ Rated Load									
Amps:	@ No Load									
•	@ Rated Load	3.1	3,6							
	@ Service Factor	N/A	N/A							
	@ Locked Rotor	6.7	7,7							
RPM:	@ Rated Load	1075								
Torques:	Breakdown	43.5	54.5							
Oz.Ft. / Lb.In.	Locked Rotor	7.4	9.4							
(Circle One)	Pull-Up	7.4	9.4			_				
	Rated Load	39	48.6				<u> </u>	<u> </u>		
Matta	Service Factor	N/A	N/A			_				
Watts:	@ Rated Load	571	529							
KVA Code:	@ Betad Load	N/A	N/A			1		1		
Temperature Rise:	@ Rated Load @ Service Factor	N/A N/A	N/A N/A			+	<u> </u>	<u> </u>		
Thermal Protector:	Trip Temp (°C)	N/A	N/A			-				
Winding Material:	Start (Auxiliary)	CU	IN/A							
willuling material.	Run (Main)	CU								
Capacitor(s):	Start (MFD / Volts) N/A									
oupuonor (o).	No. of Start Capacitors									
	Run (MFD / Volts) 7.5 / 37									
	No. of Run Capacitors									
LOW SPEED PER	FORMANCE DATA:	·								
HP:										
Poles:										
Volts:										
HZ:										
Efficiency:	@ Rated Load									
Power Factor:	@ Rated Load									
Amps:	@ No Load									
	@ Rated Load									
	@ Service Factor									
	@ Locked Rotor									
Torques:	Breakdown									
Oz.Ft. / Lb.In.	Locked Rotor									
(Circle One)	Pull-Up									
•	Rated Load									
Matte	Service Factor									
Watts:	@ Rated Load									
	@ Rated Load	1								
Temperature Rise:	@ Service Factor									

3M221BG



				Dav	ton M	anufactu	ring Con	npany					
Motor I	Description					Test Con	O	1 3					
Model:	K055SMK2355	5 3M221	IRG	Test Type:	Run	Test Con	Run Ca	n.	10.5				
Motor ID		JIVIZZ	IBG	Test Number			Start Ca		0µfd				
Poles:	. 6			Poles:	6		Environ		ομια				
Volts:	208-230			Volts:	208		Tested:	ment.	3/22/2001 9:0	06:07 PM			
Frequency				Hz:	60		Tested 1	By:	Wilcox, Marl				
HP:	1/2			Rotation:			Gear Ra	atio:	1:1				
Speed:	1075			Special Con-			Bearing	Friction	: -0.51 Oz-Ft				
Phase:	1			Speed Conn			_	e Torque	: -0.98 Oz-Ft				
Protector:				TestBoard:	Amtps	Performance	Fixture #4						
Special Points	Vline(V) 208.0	Vaux (V)	Vcap(V) 372.0	Iline(A) 1	main(A)	Iaux (A) 1.065	Watts 106.9	<b>RPM</b> 1196	Tq(Oz-ft)	<b>HP</b>	Eff(%)	PF(%) 50.3	<b>Cap</b> 7.6
	208.0	273.5 270.5	367.0	1.022	1.536	1.050	135.7	1196		0.044	24.4	61.7	7.6
	208.0	265.3	358.9	1.142	1.476	1.026	172.2	1182		0.103	44.5	72.5	7.6
	208.0 208.0	260.1 253.4	350.9 340.1	1.251 1.446	1.474 1.533	1.001 0.970	203.4 249.1	1175 1165		0.149 0.211	54.7 63.0	78.2 82.8	7.6 7.6
	208.0	245.9	329.5	1.657	1.644	0.941	294.8	1155	19.45	0.267	67.7	85.6	7.6
	208.0	237.9	318.7	1.886	1.805	0.910	342.3	1144	23.63	0.322	70.2	87.2	7.6
	208.0 208.0	228.4 218.7	307.2 296.0	2.158 2.441	2.030	0.877 0.845	395.9 450.3	1130 1115	27.88 31.81	0.375 0.422	70.7 70.0	88.2 88.7	7.6 7.6
	208.0	208.5	284.9	2.746	2.593	0.814	504.7	1098		0.462	68.3	88.4	7.6
	208.0	196.2	272.7	3.098	2.958	0.780	563.9	1077	38.63	0.495	65.5	87.5	7.6
1075 RPM 0.5 HP	208.0 208.0	194.8 194.1	271.4 270.8	3.137 3.155	2.998 3.019	0.777 0.775	570.8 574.3	1075 1074	38.96 39.11	0.499 0.500	65.2 64.9	87.5 87.5	7.6 7.6
0.5 HF	208.0	184.5	262.1	3.432	3.316	0.752	621.8	1056	41.00	0.515	61.8	87.1	7.6
	208.0	171.4	251.4	3.787	3.707	0.723	677.7	1029	42.63	0.522	57.5	86.0	7.6
BDT OZ-FT	208.0 <b>208.0</b>	158.2 <b>151.5</b>	241.8 <b>237.2</b>	4.137 4.320	4.097 <b>4.301</b>	0.698 <b>0.686</b>	727.6 <b>752.2</b>	1000 <b>981</b>	43.25 <b>43.50</b>	0.515 0.508	52.8 <b>50.4</b>	84.5 <b>83.7</b>	7.7 <b>7.7</b>
221 04-11	208.0	143.3	232.7	4.528	4.540	0.673	782.8	961	42.98	0.492	46.9	83.1	7.7
	208.0	133.2	227.8	4.784	4.831	0.660	811.8	931	42.20	0.468	43.0	81.6	7.7
	208.0 208.0	122.6 112.7	223.3	5.044 5.289	5.144 5.423	0.649 0.642	842.5 867.4	896 857	40.74 38.86	0.434 0.397	38.5 34.1	80.3 78.8	7.7 7.7
	208.0	103.8	218.4	5.507	5.675	0.637	887.4	817	36.79	0.358	30.1	77.5	7.7
	208.0	95.6	217.5	5.697	5.896	0.634	902.7	776	34.45	0.318	26.3	76.2	7.7
	208.0 208.0	88.6 81.9	217.3 217.6	5.864 6.013	6.091 6.266	0.634 0.635	915.3 924.9	733 689	32.13 29.68	0.281	22.9 19.6	75.0 73.9	7.7 7.7
	208.0	76.0	218.3	6.147	6.424	0.637	932.8	643	27.17	0.208	16.6	73.0	7.7
	208.0 208.0	70.4 65.5	219.2 220.5	6.266 6.373	6.566 6.695	0.640 0.643	939.2 943.5	596 543	24.76 22.27	0.176 0.144	13.9 11.4	72.1 71.2	7.7 7.7
	208.0	60.8	221.9	6.470	6.813	0.646	946.2	488	19.87	0.144	9.1	70.3	7.7
	208.0	56.2	223.5	6.555	6.916	0.647	948.9	432	17.27	0.089	7.0	69.6	7.7
	208.0 208.0	52.8 50.0	225.4 227.4	6.620 6.678	6.999 7.073	0.653 0.659	950.1 950.9	371 306	15.13 13.16	0.067 0.048	5.2 3.8	69.0 68.4	7.7 7.7
	208.0	48.6	229.9	6.721	7.127	0.665	952.8	242	11.69	0.034	2.6	68.2	7.7
	208.0	47.6	232.7	6.756	7.176	0.674	953.3	169	9.67	0.019	1.5	67.8	7.7

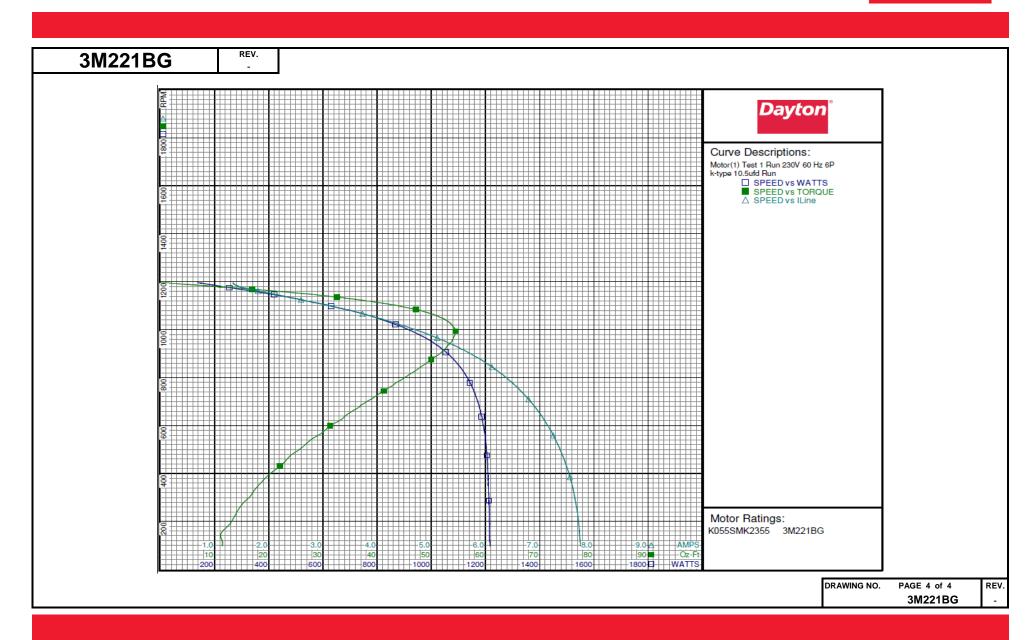






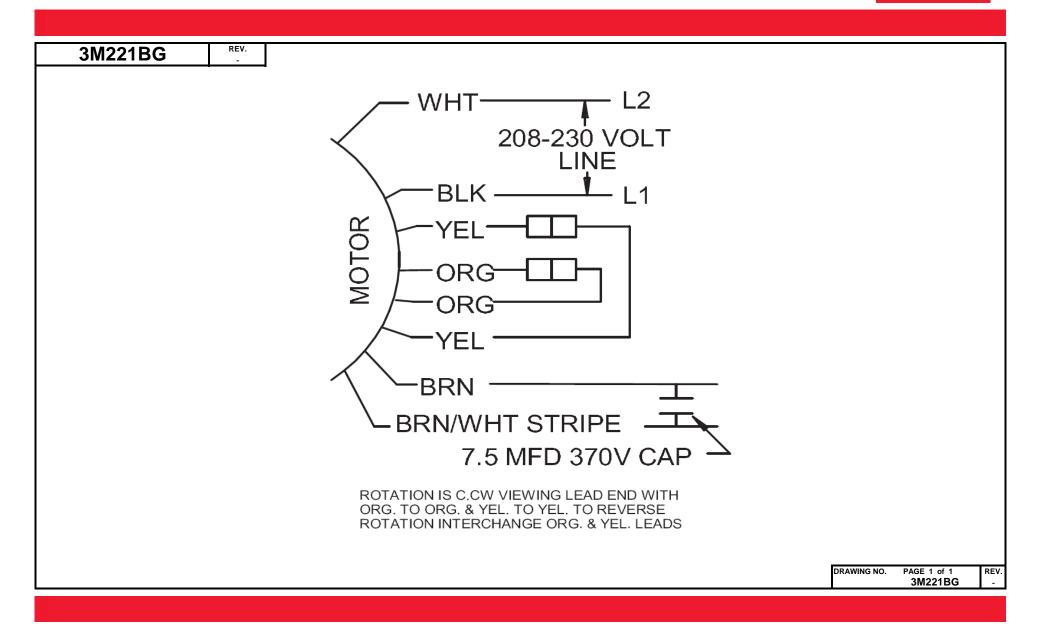
Motor ID:	un Cap: tart Cap: nvironment: ested: ested By: ear Ratio: earing Friction: /indage Torque re #4  ***********************************	10.5 0μfd  at:  3/22/2001 8  Wilcox, Ma 1:1  ction: -0.69 Oz-Ft  rque: -1.10 Oz-Ft  rpm Tq(Oz-ft) 1195 0.00 1190 3.90 1183 7.93 1175 12.53 1167 17.52 1158 22.27 1148 27.43 1148 27.43 1148 27.43 1148 27.43 1148 27.43 1148 27.43 1148 27.43 1148 27.43 1148 27.43 1148 27.43 1148 27.43 1148 27.43 1148 27.43 1148 27.43 1148 27.43 1148 27.43 1148 27.43 1148 27.43 1158 22.27 1169 42.53 1085 46.85 1085 48.60 1075 48.60	Pt P	Eff(%) 0.0 24.2 40.3 52.5 60.9 65.7 68.7 70.0 70.6 68.7	PF(%) 44.1 54.6 63.6 71.6 81.2 84.3 86.6 86.6	Cap 7.66 7.66 7.66 7.66 7.66 7.66 7.66
Motor Description         Test Type:         Run         Run of Run of Start           Motor ID:         Test Number:         1         Start           Poles:         6         Poles:         6         Envir           Volts:         208-230         Volts:         230         Teste           Frequency:         60         HZ:         60         Teste           HP:         1/2         Rotation:         Gear           Speed:         1075         Specid Conn:         Wind           Phase:         1         Speed Conn:         Wind           Protector:         TestBoard:         Amtps Performance         Fixture #           Special Points         Vline(V)         Vaux (V)         Veap(V)         Iline(A)         Imain (A)         Iaux (A)         Watts           230.0         292.1         401.1         1.340         Imain (A)         Iaux (A)         Watts           230.0         289.1         396.0         1.137         1.990         1.147         135.9         130.9         132.2         170.5         230.0         289.1         396.0         1.357         1.902         1.132         170.5         230.0         289.1         396.0         1.357	un Cap: tart Cap: nvironment: ested: ested By: ear Ratio: earing Friction: /indage Torque re #4  ***********************************	10.5 0μfd  at:  3/22/2001 8  Wilcox, Ma 1:1  ction: -0.69 Oz-Ft  rque: -1.10 Oz-Ft  rpm Tq(Oz-ft) 1195 0.00 1190 3.90 1183 7.93 1175 12.53 1167 17.52 1158 22.27 1148 27.43 1148 27.43 1148 27.43 1148 27.43 1148 27.43 1148 27.43 1148 27.43 1148 27.43 1148 27.43 1148 27.43 1148 27.43 1148 27.43 1148 27.43 1148 27.43 1148 27.43 1148 27.43 1148 27.43 1148 27.43 1158 22.27 1169 42.53 1085 46.85 1085 48.60 1075 48.60	Aark  Pt  O .0000 0 .055 0 .112 0 .175 0 .243 0 .307 0 .375 0 .441 0 .500 0 .503 0 .503 0 .5059 0 .605	Eff(%) 0.0 24.2 40.3 52.5 60.9 65.7 68.7 70.0 70.6 68.7	44.1 54.6 63.6 71.6 77.3 81.2 84.3 86.2 <b>86.6</b>	7.6 7.6 7.6 7.6 7.6 7.6 <b>7.6</b> 7.6
Model: K055SMK2355 3M221BG	un Cap: tart Cap: nvironment: ested: ested By: ear Ratio: earing Friction: /indage Torque re #4  .ts RPM .9 1195 .5 1190 .6 1183 .0 1175 .3 1167 .9 1158 .4 1148 .7 1135 .5 1122 .8 1121 .8 122 .8 122 .8 123 .7 1075 .4 1064 .2 1035 .3 1003	Oμfd at:  3/22/2001 8 Wilcox, Ma 1:1 ction: -0.69 Oz-Ft orque: -1.10 Oz-Ft  RPM Tq(Oz-ft) 1195 0.00 1195 3.90 1183 7.93 1175 12.53 1167 17.52 1158 22.27 1148 27.43 1135 32.61 1122 37.45 1121 37.70 1104 42.53 1085 46.85 1075 48.60 1075 48.60	Aark  Pt  O .0000 0 .055 0 .112 0 .175 0 .243 0 .307 0 .375 0 .441 0 .500 0 .503 0 .503 0 .5059 0 .605	Eff(%) 0.0 24.2 40.3 52.5 60.9 65.7 68.7 70.0 70.6 68.7	44.1 54.6 63.6 71.6 77.3 81.2 84.3 86.2 <b>86.6</b>	7.6 7.6 7.6 7.6 7.6 7.6 <b>7.6</b> 7.6
Motor ID:	tart Cap: nvironment: ested: ested By: ear Ratio: earing Friction: //indage Torque re #4  ***********************************	Oμfd at:  3/22/2001 8 Wilcox, Ma 1:1 ction: -0.69 Oz-Ft orque: -1.10 Oz-Ft  RPM Tq(Oz-ft) 1195 0.00 1195 3.90 1183 7.93 1175 12.53 1167 17.52 1158 22.27 1148 27.43 1135 32.61 1122 37.45 1121 37.70 1104 42.53 1085 46.85 1075 48.60 1075 48.60	Aark  Pt  O .0000 0 .055 0 .112 0 .175 0 .243 0 .307 0 .375 0 .441 0 .500 0 .503 0 .503 0 .5059 0 .605	Eff(%) 0.0 24.2 40.3 52.5 60.9 65.7 68.7 70.0 70.6 68.7	44.1 54.6 63.6 71.6 77.3 81.2 84.3 86.2 <b>86.6</b>	7.6 7.6 7.6 7.6 7.6 7.6 <b>7.6</b> 7.6
Poles: 6	nvironment: ested: ested By: ear Ratio: earing Friction: /indage Torque re #4  ***********************************	nt:  3/22/2001 8  Wilcox, Ma 1:1  ction: -0.69 Oz-Ft  prque: -1.10 Oz-Ft  RPM Tq(Oz-ft) 1195 0.00 1190 3.90 1183 7.93 1175 12.53 1167 17.52 1158 22.27 1148 27.43 1135 32.61 1122 37.45 1121 37.70 1104 42.53 1085 46.85 1075 48.60 1075 48.60	Aark  Pt  O .0000 0 .055 0 .112 0 .175 0 .243 0 .307 0 .375 0 .441 0 .500 0 .503 0 .503 0 .5059 0 .605	Eff(%) 0.0 24.2 40.3 52.5 60.9 65.7 68.7 70.0 70.6 68.7	44.1 54.6 63.6 71.6 77.3 81.2 84.3 86.2 <b>86.6</b>	7.6 7.6 7.6 7.6 7.6 7.6 <b>7.6</b> 7.6
Volts:   208-230   Volts:   230   Teste	ested: ested By: ear Ratio: earing Friction: /indage Torque re #4  **ts RPM* .9 1195 .5 1190 .6 1183 .0 1175 .3 1167 .9 1158 .4 1148 .7 1135 .5 1122 .8 1121 .7 1104 .8 1085 .7 1075 .4 1064 .2 1035 .3 1003	3/22/2001 8 Wilcox, Ma 1:1 ction: -0.69 Oz-Ft orque: -1.10 Oz-Ft  RPM Tq(Oz-ft) 1195 0.00 1193 7.93 1175 12.53 1167 17.52 1158 22.27 1148 27.43 1135 32.61 1122 37.45 1121 37.70 1104 42.53 1085 46.85 1075 48.60 1064 50.38	Aark  Pt  O .0000 0 .055 0 .112 0 .175 0 .243 0 .307 0 .375 0 .441 0 .500 0 .503 0 .503 0 .5059 0 .605	Eff(%) 0.0 24.2 40.3 52.5 60.9 65.7 68.7 70.0 70.6 68.7	44.1 54.6 63.6 71.6 77.3 81.2 84.3 86.2 <b>86.6</b>	7.6 7.6 7.6 7.6 7.6 7.6 <b>7.6</b> 7.6
Frequency:   60	ested By: lear Ratio: learing Friction: Vindage Torque tre #4  Its RPM 1.99 1195 1.5 1190 1.6 1183 1.0 1175 1.3 1167 1.9 1158 1.4 1148 1.7 1135 1.5 1122 1.8 1121 1.7 1104 1.8 1085 1.7 1075 1.4 1064 1.2 1035 1.3 1003 1.7 997	Wilcox, Ma 1:1 ction: -0.69 Oz-Ft rque: -1.10 Oz-Ft  RPM Tq(oz-ft) 1195 0.00 1190 3.90 1183 7.93 1175 12.53 1167 17.52 1158 22.27 1158 22.27 1148 27.43 1135 32.61 1122 37.45 1121 37.70 1104 42.53 1085 46.85 1085 48.60 1075 48.60	Aark  Pt  O .0000 0 .055 0 .112 0 .175 0 .243 0 .307 0 .375 0 .441 0 .500 0 .503 0 .503 0 .5059 0 .605	Eff(%) 0.0 24.2 40.3 52.5 60.9 65.7 68.7 70.0 70.6 68.7	44.1 54.6 63.6 71.6 77.3 81.2 84.3 86.2 <b>86.6</b>	7.6 7.6 7.6 7.6 7.6 7.6 <b>7.6</b> 7.6
HP: 1/2	tear Ratio: earing Friction: Vindage Torque te #4  ts RPM 1.9 1195 1.5 1190 1.6 1183 1.0 1175 1.3 1167 1.9 1158 1.4 1148 1.7 1135 1.5 1122 1.8 1121 1.7 1104 1.8 1085 1.7 1075 1.4 1064 1.2 1035 1.3 1003	1:1 ction: -0.69 Oz-Ft orque: -1.10 Oz-Ft orque: -1	Pt P	0.0 24.2 40.3 52.5 60.9 65.7 70.0 <b>70.6</b> 70.6	44.1 54.6 63.6 71.6 77.3 81.2 84.3 86.2 <b>86.6</b>	7.6 7.6 7.6 7.6 7.6 7.6 <b>7.6</b> 7.6
Speed:   1075   Phase:   1	earing Friction: Vindage Torque re #4  *ts RPM .9 1195 .5 1190 .6 1183 .0 1175 .3 1167 .9 1158 .4 1148 .7 1135 .5 1122 .8 1121 .8 1121 .7 1104 .8 1085 .7 1075 .4 1064 .2 1035 .3 1003	RPM Tq(Oz-ft) 1195 0.00 1190 3.90 1183 7.93 1175 12.53 1167 17.52 1158 22.27 1148 27.43 1135 32.61 1122 37.45 1121 37.70 1104 42.53 1085 46.85 1075 48.60 1064 50.38	HP 0.000 0.055 0.112 0.175 0.243 0.307 0.375 0.441 0.500 0.503 0.559 0.605	0.0 24.2 40.3 52.5 60.9 65.7 70.0 <b>70.6</b> 70.6	44.1 54.6 63.6 71.6 77.3 81.2 84.3 86.2 <b>86.6</b>	7.6 7.6 7.6 7.6 7.6 7.6 <b>7.6</b> 7.6
Phase:         1         Special Points         Vline (V)         Vaux (V)         Vcap (V)         Time (A)         Imain (A)         Iaux (A)         Watts           Special Points         230.0         292.1         401.1         1.340         1.990         1.147         135.9           230.0         289.1         396.0         1.357         1.992         1.132         170.5           230.0         285.5         390.0         1.412         1.844         1.114         206.6           230.0         280.9         382.2         1.513         1.817         1.090         249.0           230.0         275.7         373.4         1.678         1.852         1.066         298.3           230.0         270.3         364.8         1.867         1.934         1.043         348.9           230.0         262.8         354.5         2.101         2.072         1.014         407.4           230.0         244.7         332.1         2.653         2.520         0.951         528.5           230.0         244.1         331.5         2.669         2.534         0.949         531.8           230.0         220.6         306.7         3.386         3.2	Vindage Torque re #4  *ts RPM	RPM Tq(Oz-ft) 1195 0.00 1190 3.90 1183 7.93 1175 12.53 1167 17.52 1158 22.27 1148 27.43 1135 32.61 1122 37.45 1121 37.70 1104 42.53 1085 46.85 1075 48.60 1064 50.38	HP 0.000 0.055 0.112 0.175 0.243 0.307 0.375 0.441 0.500 0.503 0.559 0.605	0.0 24.2 40.3 52.5 60.9 65.7 70.0 <b>70.6</b> 70.6	44.1 54.6 63.6 71.6 77.3 81.2 84.3 86.2 <b>86.6</b>	7.6 7.6 7.6 7.6 7.6 7.6 <b>7.6</b> 7.6
Protector:	re #4  sts RPM s.9 1195 s.5 1190 s.6 1183 s.0 1175 s.3 1167 s.9 1158 s.4 1148 s.7 1135 s.5 1122 s.8 1121 s.7 1104 s.8 1085 s.7 1075 s.4 1064 s.2 1035 s.3 1003	RPM Tq(Oz-ft) 1195 0.00 1190 3.90 1183 7.93 1175 12.53 1167 17.52 1158 22.27 1148 27.43 1135 32.61 1122 37.45 1121 37.70 1104 42.53 1085 46.85 1075 48.60 1064 50.38	) HP 0.000 0.055 0.112 0.175 0.243 0.307 0.375 0.441 0.500 0.503 0.559 0.605	0.0 24.2 40.3 52.5 60.9 65.7 70.0 <b>70.6</b> 70.6	44.1 54.6 63.6 71.6 77.3 81.2 84.3 86.2 <b>86.6</b>	7.6 7.6 7.6 7.6 7.6 7.6 <b>7.6</b> 7.6
Special Points   Vline(V)   Vaux (V)   Vcap(V)   Iline (A)   Imain (A)   Iaux (A)   Matts	*** RPM** ***.9	1195 0.00 1190 3.90 1183 7.93 1175 12.53 1167 17.52 1158 22.27 1148 27.43 1135 32.61 1122 37.45 1121 37.70 1104 42.53 1085 46.85 1075 48.60 1064 50.38	0.000 0.055 0.112 0.175 0.243 0.307 0.375 0.441 <b>0.500</b> 0.503 0.559	0.0 24.2 40.3 52.5 60.9 65.7 70.0 <b>70.6</b> 70.6	44.1 54.6 63.6 71.6 77.3 81.2 84.3 86.2 <b>86.6</b>	7.6 7.6 7.6 7.6 7.6 7.6 <b>7.6</b> 7.6
230.0 292.1 401.1 1.340 1.990 1.147 135.9 230.0 289.1 396.0 1.357 1.902 1.132 170.5 230.0 285.5 390.0 1.412 1.844 1.114 206.6 6 230.0 280.9 382.2 1.513 1.817 1.090 249.0 230.0 275.7 373.4 1.678 1.852 1.066 298.3 230.0 270.3 364.8 1.867 1.934 1.043 348.9 230.0 262.8 354.5 2.101 2.072 1.014 407.4 230.0 253.9 343.2 2.369 2.274 0.983 469.7 230.0 253.9 343.2 2.369 2.274 0.983 469.7 230.0 244.1 331.5 2.669 2.534 0.949 531.8 230.0 232.9 319.4 3.014 2.860 0.913 606.7 230.0 232.9 319.4 3.014 2.860 0.913 606.7 230.0 224.5 300.8 3.571 3.427 0.862 717.7 230.0 220.6 306.7 3.386 3.234 0.877 678.8 282.0 1.92.2 230.0 176.4 294.3 3.781 3.650 0.843 755.4 230.0 192.8 282.0 4.206 4.109 0.810 831.2 230.0 176.4 269.6 4.668 4.620 0.778 910.3 230.0 176.4 269.6 4.668 4.620 0.778 910.3 230.0 176.4 259.5 5.112 5.139 0.752 979.9 230.0 146.3 252.2 5.488 5.562 0.734 1031.2 230.0 122.9 243.8 6.090 6.248 0.712 1103.6 230.0 122.9 243.8 6.927 7.214 0.706 1178.0 230.0 88.8 240.8 6.927 7.214 0.706 1178.0 230.0 88.8 240.8 6.927 7.214 0.706 1178.0 230.0 88.8 240.8 6.927 7.214 0.706 1178.0 230.0 88.8 240.8 6.927 7.214 0.706 1178.0 230.0 76.5 242.5 7.212 7.549 0.71	.9 1195 .5 1190 .6 1183 .0 1175 .3 1167 .9 1158 .4 1148 .7 1135 .5 1122 .8 1121 .7 1104 .8 1085 .7 1075 .4 1064 .2 1035 .3 1003	1195 0.00 1190 3.90 1183 7.93 1175 12.53 1167 17.52 1158 22.27 1148 27.43 1135 32.61 1122 37.45 1121 37.70 1104 42.53 1085 46.85 1075 48.60 1064 50.38	0.000 0.055 0.112 0.175 0.243 0.307 0.375 0.441 <b>0.500</b> 0.503 0.559	0.0 24.2 40.3 52.5 60.9 65.7 70.0 <b>70.6</b> 70.6	44.1 54.6 63.6 71.6 77.3 81.2 84.3 86.2 <b>86.6</b>	7.6 7.6 7.6 7.6 7.6 7.6 <b>7.6</b>
230.0   289.1   396.0   1.357   1.902   1.132   170.5	0.5 1190 0.6 1183 0.0 1175 0.3 1167 0.9 1158 0.4 1148 0.7 1135 0.5 1122 0.8 1121 0.8 1085 0.7 1075 0.4 1064 0.2 1035 0.3 1003 0.7 997	1190 3.90 1183 7.93 1175 12.53 1167 17.52 1158 22.27 1148 27.43 1135 32.61 1122 37.45 1121 37.70 1104 42.53 1085 46.85 1075 48.60 1064 50.38	0.055 0.112 0.175 0.243 0.307 0.375 0.441 <b>0.500</b> 0.503 0.559	24.2 40.3 52.5 60.9 65.7 68.7 70.0 <b>70.6</b> 70.6 68.7	54.6 63.6 71.6 77.3 81.2 84.3 86.2 86.6 86.6	7.6 7.6 7.6 7.6 7.6 7.6 <b>7.6</b>
230.0   285.5   390.0   1.412   1.844   1.114   206.6   230.0   280.9   382.2   1.513   1.817   1.090   249.0   249.0   230.0   270.3   364.8   1.867   1.934   1.043   348.9   230.0   252.8   354.5   2.101   2.072   1.014   407.4   230.0   253.9   343.2   2.369   2.274   0.983   469.7   230.0   244.7   332.1   2.653   2.520   0.951   528.5   230.0   232.9   319.4   3.014   2.860   0.913   606.7   230.0   220.6   306.7   3.386   3.234   0.877   678.8   230.0   220.6   306.7   3.386   3.234   0.877   678.8   230.0   227.4   294.3   3.781   3.650   0.843   755.4   230.0   192.8   282.0   4.206   4.109   0.810   831.2   230.0   176.4   269.6   4.668   4.620   0.778   910.3   807.5   230.0   146.3   252.2   5.488   5.562   0.734   1031.2   230.0   124.9   241.6   6.340   6.535   0.702   1071.6   230.0   122.9   243.8   6.990   6.248   0.712   1103.6   230.0   122.9   243.8   6.990   6.248   0.712   1103.6   230.0   88.8   240.8   6.927   7.214   0.705   1149.6   230.0   88.8   240.8   6.927   7.214   0.706   1178.0   230.0   82.4   241.4   7.076   7.391   0.709   1188.5   230.0   71.0   243.9   7.329   7.691   0.715   1201.7	.6 1183 .0 1175 .3 1167 .9 1158 .4 1148 .7 1135 .5 1122 .8 1121 .7 1104 .8 1085 .7 1075 .4 1064 .2 1035 .3 1003	1183 7.93 1175 12.53 1167 17.52 1158 22.27 1148 27.43 1135 32.61 1122 37.45 1121 37.70 1104 42.53 1085 46.85 1075 48.60 1064 50.38	0.112 0.175 0.243 0.307 0.375 0.441 <b>0.500</b> 0.503 0.559	40.3 52.5 60.9 65.7 70.0 <b>70.6</b> 70.6	63.6 71.6 77.3 81.2 84.3 86.2 <b>86.6</b> 86.6	7.6 7.6 7.6 7.6 7.6 <b>7.6</b> 7.6
230.0   275.7   373.4   1.678   1.852   1.066   298.3   230.0   262.8   354.5   2.101   2.072   1.014   407.	1.3 1167 1.9 1158 1.4 1148 1.7 1135 1.5 1122 1.8 1121 1.7 1104 1.8 1085 1.7 1075 1.4 1064 1.2 1035 1.3 1003 1.7 997	1167 17.52 1158 22.27 1148 27.43 1135 32.61 1122 37.45 1121 37.70 1104 42.53 1085 46.85 1075 48.60 1064 50.38	0.243 0.307 0.375 0.441 <b>0.500</b> 0.503 0.559 0.605	60.9 65.7 68.7 70.0 <b>70.6</b> 70.6 68.7	77.3 81.2 84.3 86.2 <b>86.6</b> 86.6	7.6 7.6 7.6 <b>7.6</b> <b>7.6</b>
230.0 270.3 364.8 1.867 1.934 1.043 348.9 230.0 262.8 354.5 2.101 2.072 1.014 407.4 230.0 253.9 343.2 2.369 2.274 0.983 469.7 0.5 HP 230.0 244.7 332.1 2.653 2.520 0.951 528.5 230.0 234.1 331.5 2.669 2.534 0.949 531.8 230.0 232.9 319.4 3.014 2.860 0.913 606.7 230.0 220.6 306.7 3.386 3.234 0.877 678.8 230.0 220.6 306.7 3.386 3.234 0.877 678.8 230.0 220.6 306.7 3.386 3.234 0.877 678.8 230.0 220.6 306.7 3.386 3.234 0.877 678.8 230.0 220.6 306.7 3.386 3.234 0.877 878.8 230.0 220.6 207.4 294.3 3.781 3.650 0.843 755.4 230.0 192.8 282.0 4.206 4.109 0.810 831.2 230.0 176.4 269.6 4.668 4.620 0.778 910.3 BDT OZ-FT 230.0 174.5 268.3 4.723 4.681 0.775 919.7 230.0 160.4 259.5 5.112 5.139 0.752 979.9 230.0 146.3 252.2 5.488 5.562 0.734 1031.2 230.0 122.9 243.8 6.090 6.248 0.712 1103.6 230.0 122.9 243.8 6.090 6.248 0.712 1103.6 230.0 122.9 243.6 6.340 6.535 0.708 1128.7 230.0 103.9 240.7 6.563 6.791 0.705 1149.6 230.0 88.8 240.8 6.927 7.214 0.706 1178.0 230.0 82.4 241.4 7.076 7.391 0.709 1188.5 230.0 76.5 242.5 7.212 7.549 0.712 1195.5 230.0 71.0 243.9 7.329 7.691 0.715 1201.7	1.9 1158 .4 1148 .7 1135 .5 1122 .8 1121 .7 1104 .8 1085 .7 1075 .4 1064 .2 1035 .3 1003	1158 22.27 1148 27.43 1135 32.61 1122 37.45 1121 37.70 1104 42.53 1085 46.85 1075 48.60 1064 50.38	0.307 0.375 0.441 <b>0.500</b> 0.503 0.559 0.605	65.7 68.7 70.0 <b>70.6</b> 70.6 68.7	81.2 84.3 86.2 <b>86.6</b> 86.6	7.0 7.0 7.0 <b>7</b> .0
230.0 262.8 354.5 2.101 2.072 1.014 407.4 230.0 253.9 343.2 2.369 2.274 0.983 469.7 230.0 244.7 332.1 2.653 2.520 0.951 528.5 230.0 244.1 331.5 2.669 2.534 0.949 531.8 230.0 232.9 319.4 3.014 2.860 0.913 606.7 230.0 220.6 306.7 3.386 3.234 0.877 678.8 230.0 220.6 306.7 3.386 3.234 0.877 678.8 230.0 220.6 300.8 3.571 3.427 0.862 717.7 230.0 207.4 294.3 3.781 3.650 0.843 755.4 230.0 192.8 282.0 4.206 4.109 0.810 831.2 230.0 192.8 282.0 4.206 4.109 0.810 831.2 230.0 176.4 269.6 4.668 4.620 0.778 910.3 230.0 174.5 268.3 4.723 4.681 0.775 919.7 230.0 146.3 252.2 5.488 5.562 0.734 1031.2 230.0 146.3 252.2 5.488 5.562 0.734 1031.2 230.0 122.9 243.8 6.090 6.248 0.712 1103.6 230.0 112.9 241.6 6.340 6.535 0.708 1128.7 230.0 88.8 240.8 6.927 7.214 0.705 1149.6 230.0 88.8 240.8 6.927 7.214 0.705 1149.6 230.0 88.8 240.8 6.927 7.214 0.706 1178.0 230.0 82.4 241.4 7.076 7.391 0.709 1188.5 230.0 71.0 243.9 7.329 7.691 0.715 1201.7	2.4 1148 2.7 1135 2.5 1122 2.8 1121 2.7 1104 2.8 1085 2.7 1075 2.4 1064 2.2 1035 2.3 1003 2.7 997	1148 27.43 1135 32.61 1122 37.45 1121 37.70 1104 42.53 1085 46.85 1075 48.60 1064 50.38	0.375 0.441 <b>0.500</b> 0.503 0.559 0.605	68.7 70.0 <b>70.6</b> 70.6 68.7	84.3 86.2 <b>86.6</b> 86.6	7.6 7.6 <b>7</b> .6
230.0 253.9 343.2 2.369 2.274 0.983 469.7  230.0 244.7 332.1 2.653 2.520 0.951 528.5 230.0 244.1 331.5 2.669 2.534 0.949 531.8 230.0 232.9 319.4 3.014 2.860 0.913 606.7 230.0 220.6 306.7 3.386 3.234 0.877 678.8  1075 RPM 230.0 214.5 300.8 3.571 3.427 0.862 717.7 230.0 207.4 294.3 3.781 3.650 0.843 755.4 230.0 192.8 282.0 4.206 4.109 0.810 831.2 230.0 176.4 269.6 4.668 4.620 0.778 910.3  BDT OZ-FT 230.0 174.5 268.3 4.723 4.681 0.775 919.7 230.0 146.3 252.5 5.112 5.139 0.752 979.9 230.0 146.3 252.5 5.488 5.562 0.734 1031.2 230.0 134.1 247.2 5.807 5.924 0.720 1071.6 230.0 122.9 243.8 6.090 6.248 0.712 1103.6 230.0 122.9 243.8 6.090 6.248 0.712 1103.6 230.0 103.9 240.7 6.563 6.791 0.705 1149.6 230.0 88.8 240.8 6.927 7.214 0.706 1178.0 230.0 88.8 240.8 6.927 7.214 0.706 1178.5 230.0 82.4 241.4 7.076 7.391 0.709 1188.5 230.0 76.5 242.5 7.212 7.549 0.712 1195.5	2.5 1122 .8 1121 .7 1104 18 1085 .7 1075 .4 1064 .2 1035 .3 1003 .7 997	1122     37.45       1121     37.70       1104     42.53       1085     46.85       1075     48.60       1064     50.38	0.441 0.500 0.503 0.559 0.605	70.0 <b>70.6</b> 70.6 68.7	86.2 <b>86.6</b> 86.6	<b>7</b> .
230.0   244.1   331.5   2.669   2.534   0.949   531.8     230.0   232.9   319.4   3.014   2.860   0.913   606.7     230.0   220.6   306.7   3.386   3.234   0.877   678.8     1075 RPM   230.0   214.5   300.8   3.571   3.427   0.862   717.7     230.0   207.4   294.3   3.781   3.650   0.843   755.4     230.0   192.8   282.0   4.206   4.109   0.810   831.2     230.0   176.4   269.6   4.668   4.620   0.778   910.3     BDT OZ-FT   230.0   174.5   268.3   4.723   4.681   0.775   919.7     230.0   160.4   259.5   5.112   5.139   0.752   979.9     230.0   146.3   252.2   5.488   5.562   0.734   1031.2     230.0   134.1   247.2   5.807   5.924   0.720   1071.6     230.0   122.9   243.8   6.090   6.248   0.712   1103.6     230.0   103.9   240.7   6.563   6.791   0.705   1149.6     230.0   88.8   240.8   6.927   7.214   0.706   1178.0     230.0   82.4   241.4   7.076   7.391   0.709   1188.5     230.0   71.0   243.9   7.329   7.691   0.712   1195.5     230.0   71.0   243.9   7.329   7.691   0.715   1201.7     243.9   7.329   7.691   0.715   1201.7     230.0   71.0   243.9   7.329   7.691   0.715   1201.7     230.0   71.0   243.9   7.329   7.691   0.715   1201.7     230.0   71.0   243.9   7.329   7.691   0.715   1201.7     230.0   71.0   243.9   7.329   7.691   0.715   1201.7     230.0   71.0   243.9   7.329   7.691   0.715   1201.7     230.0   71.0   243.9   7.329   7.691   0.715   1201.7     230.0   71.0   243.9   7.329   7.691   0.715   1201.7     230.0   71.0   243.9   7.329   7.691   0.715   1201.7     230.0   71.0   243.9   7.329   7.691   0.715   1201.7     230.0   71.0   243.9   7.329   7.691   0.715   1201.7     230.0   71.0   243.9   7.329   7.691   0.715   1201.7     230.0   71.0   243.9   7.329   7.691   0.715   1201.7     230.0   71.0   243.9   7.329   7.691   0.715   1201.7     230.0   71.0   243.9   7.329   7.691   0.715   1201.7     230.0   230.0   71.0   243.9   7.329   7.691   0.715   1201.7     230.0   230.0   71.0   243.9   7.329   7.691   0.715   1201.7     230.0   230.0   230.0   243.9   7.329   7.69	.8 1121 .7 1104 .8 1085 .7 1075 .4 1064 .2 1035 .3 1003 .7 997	1121 37.70 1104 42.53 1085 46.85 <b>1075 48.60</b> 1064 50.38	0.503 0.559 0.605	70.6 68.7	86.6	7.0
230.0   232.9   319.4   3.014   2.860   0.913   606.7	1.7 1104 1.8 1085 1.7 1075 1.4 1064 1.2 1035 1.3 1003 1.7 997	1104 42.53 1085 46.85 <b>1075 48.60</b> 1064 50.38	0.559 0.605	68.7		
230.0 220.6 306.7 3.386 3.234 0.877 678.8 230.0 214.5 300.8 3.571 3.427 0.862 717.7 230.0 297.4 294.3 3.781 3.650 0.843 755.4 230.0 192.8 282.0 4.206 4.109 0.810 831.2 230.0 176.4 269.6 4.668 4.620 0.778 910.3 BDT OZ-FT 230.0 160.4 259.5 5.112 5.139 0.755 919.7 230.0 146.3 252.2 5.488 5.562 0.734 1031.2 230.0 122.9 243.8 6.090 6.248 0.712 1103.6 230.0 112.9 241.6 6.340 6.535 0.708 1128.7 230.0 193.9 240.7 6.563 6.791 0.705 1149.6 230.0 95.9 240.4 6.755 7.015 0.705 1149.6 230.0 88.8 240.8 6.927 7.214 0.706 1178.0 230.0 82.4 241.4 7.076 7.391 0.709 1188.5 230.0 76.5 242.5 7.212 7.549 0.712 1195.5	1.8 1085 1.7 1075 1.4 1064 1.2 1035 1.3 1003 1.7 997	1085 46.85 <b>1075 48.60</b> 1064 50.38	0.605			
BDT OZ-FT 230.0 207.4 294.3 3.781 3.650 0.843 755.4 230.0 192.8 282.0 4.206 4.109 0.810 831.2 230.0 176.4 269.6 4.668 4.620 0.778 910.3 8DT OZ-FT 230.0 174.5 268.3 4.723 4.681 0.775 919.7 230.0 146.3 259.5 5.112 5.139 0.752 979.9 230.0 134.1 247.2 5.807 5.924 0.720 1071.6 230.0 122.9 243.8 6.090 6.248 0.712 1103.6 230.0 112.9 241.6 6.340 6.535 0.708 1128.7 230.0 103.9 240.7 6.563 6.791 0.705 1149.6 230.0 95.9 240.4 6.755 7.015 0.705 1149.6 230.0 88.8 240.8 6.927 7.214 0.706 1178.0 230.0 82.4 241.4 7.076 7.391 0.709 1188.5 230.0 76.5 242.5 7.212 7.549 0.712 1195.5 230.0 71.0 243.9 7.329 7.691 0.715 1201.7	1064 1035 1003 1003 1003	1064 50.38	0 600	66.5	87.2	7.6
BDT OZ-FT 230.0 192.8 282.0 4.206 4.109 0.810 831.2 230.0 176.4 269.6 4.668 4.620 0.778 910.3 910.3 230.0 174.5 268.3 4.723 4.681 0.775 919.7 230.0 160.4 259.5 5.112 5.139 0.752 979.9 230.0 146.3 252.2 5.488 5.562 0.734 1031.2 230.0 122.9 243.8 6.090 6.248 0.712 1103.6 230.0 112.9 241.6 6.340 6.535 0.708 1128.7 230.0 103.9 240.7 6.563 6.791 0.705 1149.6 230.0 95.9 240.4 6.755 7.015 0.705 1149.6 230.0 88.8 240.8 6.927 7.214 0.706 1178.0 230.0 82.4 241.4 7.076 7.391 0.709 1188.5 230.0 76.5 242.5 7.212 7.549 0.712 1195.5 230.0 71.0 243.9 7.329 7.691 0.715 1201.7	1035 1003 107 997				87.4	7.6
BDT OZ-FT 230.0 176.4 269.6 4.668 4.620 0.778 910.3 230.0 174.5 268.3 4.723 4.681 0.775 919.7 230.0 160.4 259.5 5.112 5.139 0.752 979.9 230.0 146.3 252.2 5.488 5.562 0.734 1031.2 230.0 134.1 247.2 5.807 5.924 0.720 1071.6 230.0 122.9 243.8 6.090 6.248 0.712 1103.6 230.0 112.9 241.6 6.340 6.535 0.708 1128.7 230.0 103.9 240.7 6.563 6.791 0.705 1149.6 230.0 95.9 240.4 6.755 7.015 0.705 1149.6 230.0 88.8 240.8 6.927 7.214 0.706 1178.0 230.0 82.4 241.4 7.076 7.391 0.709 1188.5 230.0 76.5 242.5 7.212 7.549 0.712 1195.5 230.0 71.0 243.9 7.329 7.691 0.715 1201.7	1003 1.7 997				86.9 85.9	7.6
BDT OZ-FT 230.0 174.5 268.3 4.723 4.681 0.775 919.7 230.0 160.4 259.5 5.112 5.139 0.752 979.9 230.0 146.3 252.2 5.488 5.562 0.734 1031.2 230.0 134.1 247.2 5.807 5.924 0.720 1071.6 230.0 112.9 243.8 6.090 6.248 0.712 1103.6 230.0 112.9 241.6 6.340 6.535 0.708 112.8 230.0 103.9 240.7 6.563 6.791 0.705 1149.6 230.0 95.9 240.4 6.755 7.015 0.705 1149.6 230.0 88.8 240.8 6.927 7.214 0.706 1178.0 230.0 82.4 241.4 7.076 7.391 0.709 1188.5 230.0 76.5 242.5 7.212 7.549 0.712 1195.5 230.0 71.0 243.9 7.329 7.691 0.715 1201.7	.7 997				84.8	7.
230.0 146.3 252.2 5.488 5.562 0.734 1031.2 230.0 134.1 247.2 5.807 5.924 0.720 1071.6 230.0 122.9 243.8 6.090 6.248 0.712 1103.6 230.0 112.9 241.6 6.340 6.535 0.708 1128.7 230.0 103.9 240.7 6.563 6.791 0.705 1149.6 230.0 95.9 240.4 6.755 7.015 0.705 1149.6 230.0 88.8 240.8 6.927 7.214 0.706 1178.0 230.0 82.4 241.4 7.076 7.391 0.709 1188.5 230.0 76.5 242.5 7.212 7.549 0.712 1195.5 230.0 71.0 243.9 7.329 7.691 0.715 1201.7		997 54.49	0.647	52.5	84.7	7.7
230.0 134.1 247.2 5.807 5.924 0.720 1071.6 230.0 122.9 243.8 6.090 6.248 0.712 1103.6 230.0 112.9 241.6 6.340 6.535 0.708 1128.7 230.0 103.9 240.7 6.563 6.791 0.705 1149.6 230.0 95.9 240.4 6.755 7.015 0.705 1165.1 230.0 88.8 240.8 6.927 7.214 0.706 1178.0 230.0 82.4 241.4 7.076 7.391 0.709 1188.5 230.0 76.5 242.5 7.212 7.549 0.712 1195.5 230.0 71.0 243.9 7.329 7.691 0.715 1201.7				47.3	83.3	7.
230.0 122.9 243.8 6.090 6.248 0.712 1103.6 230.0 112.9 241.6 6.340 6.535 0.708 1128.7 230.0 103.9 240.7 6.563 6.791 0.705 1149.6 230.0 95.9 240.4 6.755 7.015 0.705 1165.1 230.0 88.8 240.8 6.927 7.214 0.706 1178.0 230.0 82.4 241.4 7.076 7.391 0.709 1188.5 230.0 76.5 242.5 7.212 7.549 0.712 1195.5 230.0 71.0 243.9 7.329 7.691 0.715 1201.7			0.583 0.538		81.7 80.2	7.7
230.0 103.9 240.7 6.563 6.791 0.705 1149.6 230.0 95.9 240.4 6.755 7.015 0.705 1165.1 230.0 88.8 240.8 6.927 7.214 0.706 1178.0 230.0 82.4 241.4 7.076 7.391 0.709 1188.5 230.0 76.5 242.5 7.212 7.549 0.712 1195.5 230.0 71.0 243.9 7.329 7.691 0.715 1201.7					78.8	7.1
230.0 95.9 240.4 6.755 7.015 0.705 1165.1 230.0 88.8 240.8 6.927 7.214 0.706 1178.0 230.0 82.4 241.4 7.076 7.391 0.709 1188.5 230.0 76.5 242.5 7.212 7.549 0.712 1195.5 230.0 71.0 243.9 7.329 7.691 0.715 1201.7			0.438		77.4	7.
230.0 88.8 240.8 6.927 7.214 0.706 1178.0 230.0 82.4 241.4 7.076 7.391 0.709 1188.5 230.0 76.5 242.5 7.212 7.549 0.712 1195.5 230.0 71.0 243.9 7.329 7.691 0.715 1201.7					76.2 75.0	7.
230.0 82.4 241.4 7.076 7.391 0.709 1188.5 230.0 76.5 242.5 7.212 7.549 0.712 1195.5 230.0 71.0 243.9 7.329 7.691 0.715 1201.7					73.9	7.8
230.0 71.0 243.9 7.329 7.691 0.715 1201.7	.5 626	626 33.44	0.249	15.6	73.0	7.8
					72.1	7.8
230.0 65.9 245.4 7.434 7.817 0.718 1206.3					71.3 70.5	7.8
230.0 61.3 247.0 7.525 7.927 0.721 1208.8					69.8	7.3
230.0 57.1 249.1 7.600 8.023 0.725 1210.6	.6 351		0.076	4.7	69.3	7.7
230.0 54.4 251.4 7.659 8.095 0.730 1212.8 230.0 52.6 253.7 7.708 8.159 0.738 1214.0					68.8 68.5	7.7 7.
230.0 52.3 256.2 7.738 8.205 0.751 1214.0					68.2	7.8





#### **Wiring Diagram**





# **Dayton**®

#### CONDENSER **FAN MOTOR**



VOLTS: 208-230

PH: 1 **AMPS**: 3.1 **RPM**: 1075 **HZ**: 60

**DUTY: CONT FR**: 48YZ SF: 1.0 INS CL: B KVA CODE: **AMB**: 60 ℃

ENCL: OAO SFA:

THERMALLY PROTECTED: AUTO MFG. NO. PROT. CODE 7A010 AVG.F.L

MTR REF: K55HXSMK-2355





EFF.

Part 3M221BG Disconnect Power Before Making Any

TO REVERSE ROTATION INTERCHANGE ORG AND YEL LEADS 208-230 VOLT

BRN/WHT STRIPE -

OPTIONAL 3 WIRE CONNECTION RRN/WHT - INSULATE

BLACK-L1

7.5 MED 370V CAP -

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

Made in Mexico

**Electrical Connections or Changes**