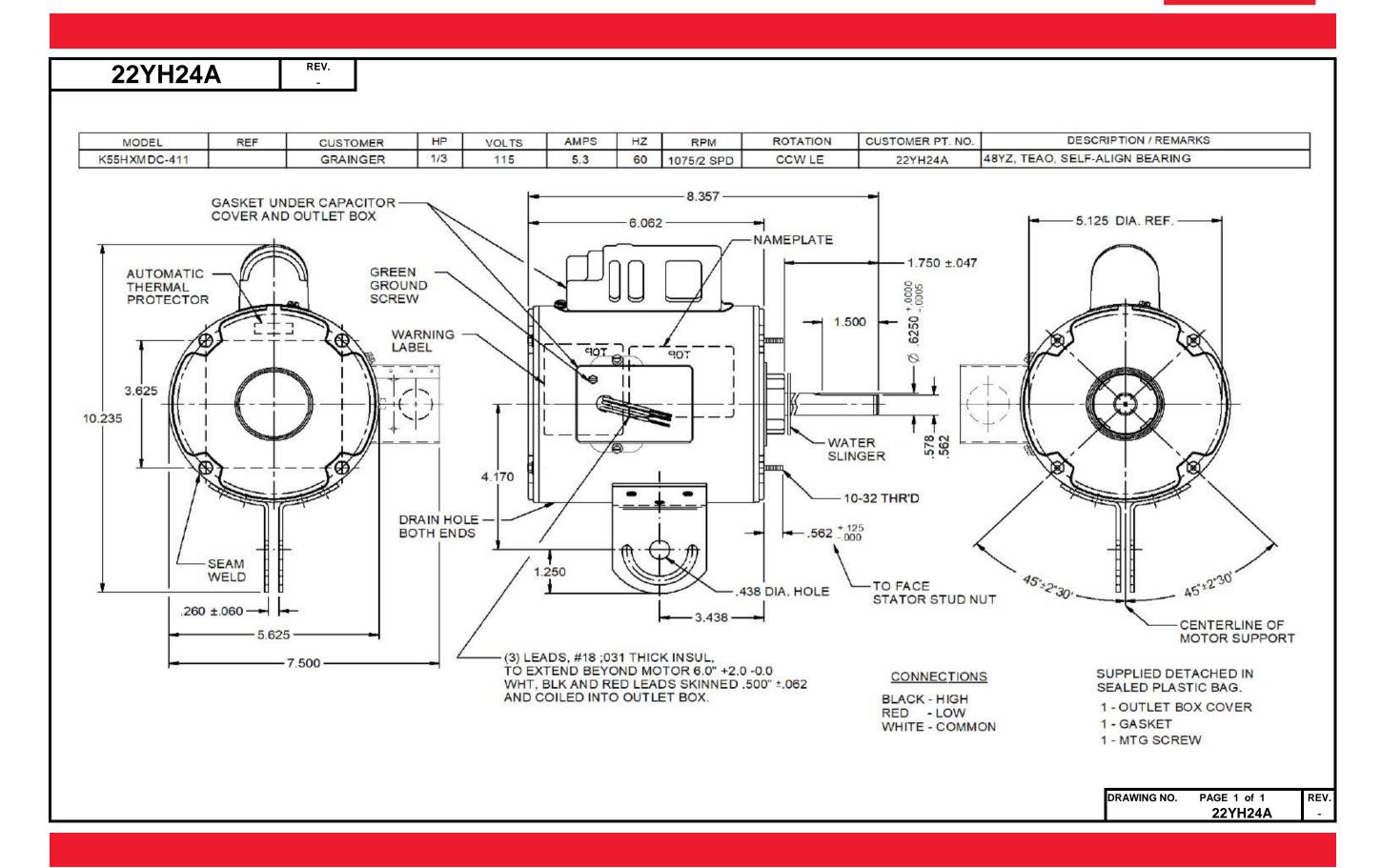
Dimensional Drawing





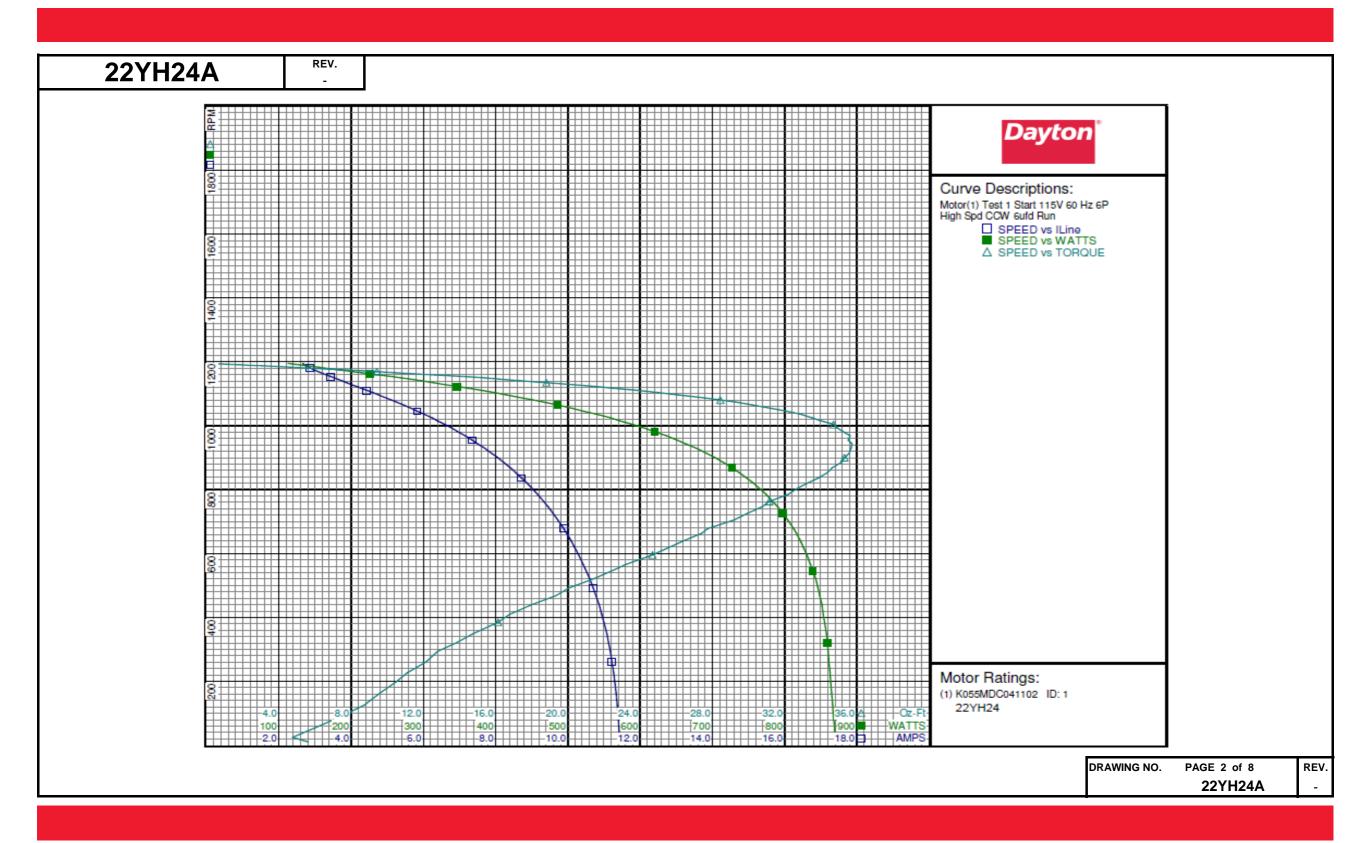


	MOTO	B BEBEOR	MANCE					
	MOTO	R PERFOR	MANCE					
HP:	1/3HP							
Poles:	6							
No. of Speeds:	2							
Volts:	115	115						
HZ:	60	60						
Service Factor:	1							
Efficiency:	@ Rated Load							
Power Factor:	@ Rated Load							
Amps:	@ No Load							
	@ Rated Load	5.3						
	@ Service Factor	N/A						
	@ Locked Rotor	11.3						
RPM:	@ Rated Load	1075	l					
Ambient (°C):	40							
Altitude (FASL):	Discolution	27.6						
Torques:	Breakdown	37.2	\longrightarrow			<u> </u>	 	
	Locked Rotor	8.1					 	
	Pull-Up Rated Load	7.3						
	Service Factor	N/A		+				
Watts:	Rated Load	467						
KVA Code:	Trated Load	407						
Temperature Rise:	@ Rated Load	+	<u> </u>				 	
remperature Mise.	@ Service Factor	+					 	
Thermal Protector:	Trip Temp (°C)	+ + +						
Winding Material:	Start (Auxiliary)	Cu						
William g material.	Run (Main)	Cu						
Capacitor(s):	Start (MFD / Volts)	1	<u> </u>				<u> </u>	
(-/-	No. of Start Capacitors	N/A						
	Run (MFD / Volts)							
	No. of Run Capacitors							
LOW SPEED PER	FORMANCE DATA:							
HP:	1/3HP							
Poles:	6							
Volts:		115						
HZ:		60				<u> </u>	<u> </u>	
Efficiency:	@ Rated Load	+				<u> </u>		
Power Factor:	@ Rated Load	+						
Amps:	@ No Load	++						
	@ Rated Load	3.2						
	@ Service Factor	N/A	$-\!\!\!\!+\!\!\!\!-\!\!\!\!-$				 	
	@ Locked Rotor	7					 	
Torques:	Breakdown	22.9	\longrightarrow			 		
	Locked Rotor	5.4	-+			 	 	
	Pull-Up Rated Load	4.9	\longrightarrow			 	 	
		18.3	-+			 	 	
Watts:	Service Factor @ Rated Load	N/A 281	-				 	
	@ Rated Load	401	-				 	
Temperature Rise:	@ Service Factor	+ + +	$\overline{}$			 	 	
	CONTROL FACIO		$-\!\!+\!\!-\!\!-$	_		└─ ─		



22YH24A	-										
				Day	ton Mar	ufactu	ıring Con	npany			
Motor Des	cription				7	Test Co	nditions				
Model: Motor ID: Poles: Volts: Frequency: HP:	K055MDC04 1 6 115 60 1/3	11102 223	7H24	Test Type: Test Number: Poles: Volts: Hz: Rotation:	Start 1 6 115 60 CCW		Run Ca Start Ca Environ Tested: Tested Gear R	ap: nment: By:	6μfd 370VA 0μfd 24.1 Deg C 9/30/2016 5: Navarro, Sus 1:1	48 % RH :06:28 PM	967 hPa
Speed: Phase: Protector:	1075/2 spd 1 AUTO			Special Cond: Speed Conn: TestBoard:	High Spd		Bearing	Friction: ge Torque	-0.55 Oz-Ft : -0.88 Oz-Ft		
Special Points	Vline(V)	Vaux (V)	Vcap(V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF (%)	
_	115.0	51.1	146.4	11.428	869.7	24	4.75	0.001	0.1	66.2	
	115.0	51.1	146.4	11.428	869.7	24	4.75	0.001	0.1	66.2	
	115.0	54.3	139.9	11.364	866.5	125	8.72	0.013	1.1	66.3	
	115.0	58.9	135.0	11.265	862.8	226	11.10	0.030	2.6	66.6	
	115.0 115.0	66.0 76.6	132.3 129.6	11.123 10.934	859.2 853.4	321 409	13.85 16.77	0.053	4.6 7.1	67.2 67.9	
	115.0	89.1	130.5	10.698	846.2	491	20.05	0.082	10.3	68.8	
	115.0	102.3	133.5	10.421	835.7	565	23.21	0.156	13.9	69.7	
	115.0	116.4	138.1	10.094	822.2	638	26.35	0.200	18.2	70.8	
	115.0	132.0	145.5	9.721	804.3	704	29.19	0.245	22.7	71.9	
	115.0	147.6	154.7	9.326	783.2	763	31.16	0.283	27.0	73.0	
	115.0	165.4	167.0	8.872	757.2	819	33.23	0.324	31.9	74.2	
	115.0	182.9	181.0	8.403	727.3	868	34.64	0.358	36.7	75.3	
	115.0	201.9	197.6	7.886	691.7	913	35.58	0.387	41.7	76.3	
	115.0	220.9	215.3	7.345 6.785	650.9 605.9	955	35.52	0.404	46.3	77.1 77.7	
	115.0 115.0	240.2 258.6	234.3 253.3	6.234	558.7	992 1024	34.93 33.50	0.413	50.8 54.6	77.9	
	115.0	276.9	272.8	5.670	506.8	1053	31.30	0.392	57.8	77.7	
	115.0	294.4	292.3	5.108	451.5	1080	28.45	0.366	60.4	76.9	
	115.0	310.1	310.0	4.601	398.7	1103	25.01	0.328	61.5	75.4	
	115.0	324.1	326.3	4.143	346.7	1122	21.50	0.287	61.8	72.8	
	115.0	336.8	341.1	3.744	297.6	1140	17.38	0.236	59.1	69.1	
	115.0	346.6	353.4	3.434	256.1	1153	14.29	0.196	57.2	64.8	
	115.0	355.5	364.7	3.163	214.7	1165	10.44	0.145	50.3	59.0	
	115.0 115.0	361.6 365.8	373.2 379.7	2.957 2.825	180.1 155.6	1175 1182	7.37 4.73	0.103	42.7 31.9	53.0 47.9	
	115.0	370.0	386.9	2.722	133.0	1188	2.41	0.034	19.1	42.5	
	115.0	373.2	392.2	2.672	118.6	1193	0.76	0.011	6.8	38.6	
	115.0	374.7	394.5	2.656	112.4	1195	0.06	0.001	0.5	36.8	
									[.	RAWING NO.	PAGE 1 of 8

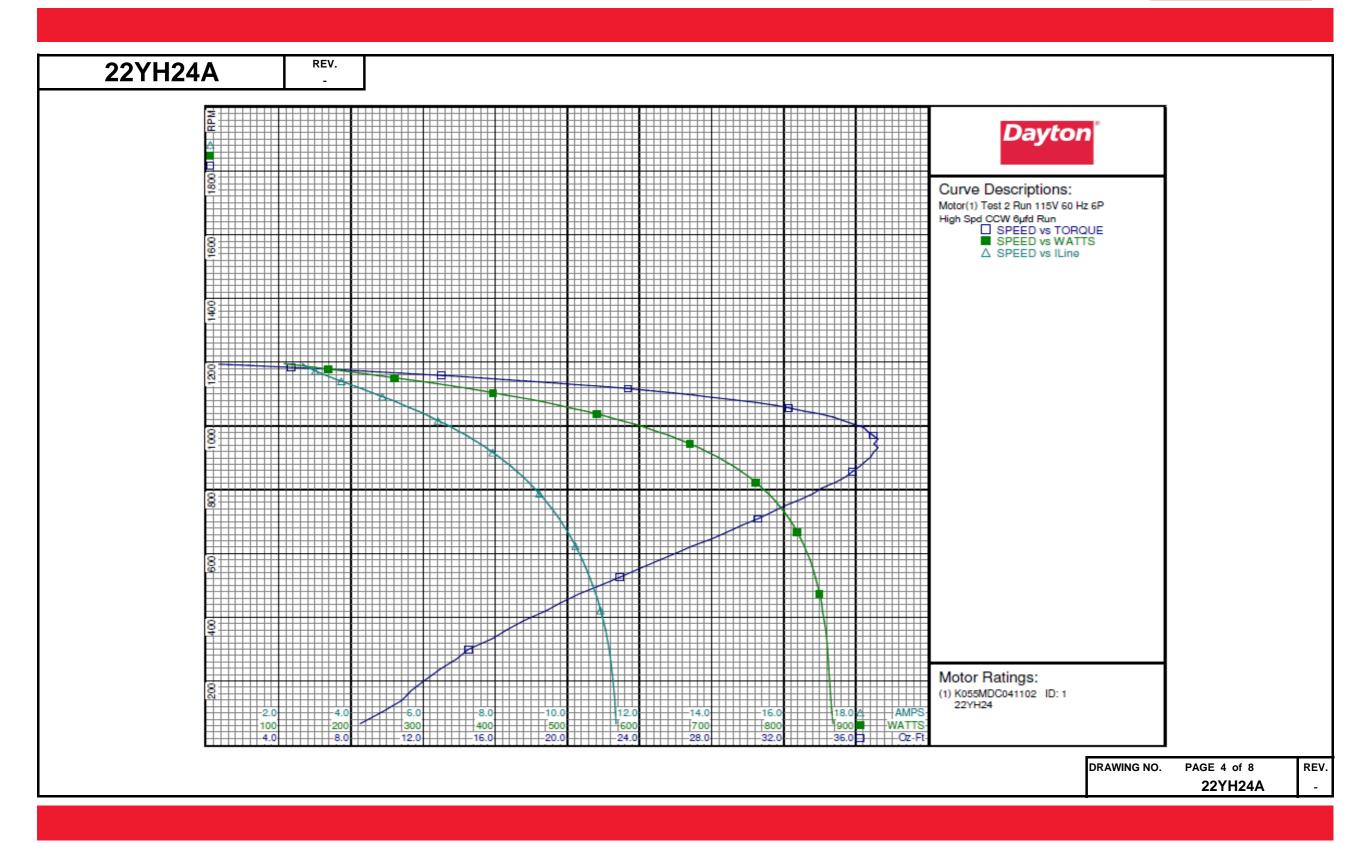






22YH	24A	REV.										
					Dav	ton Man	ufacti	ıring Con	npany			
	Motor Dog	anintian			23				- pully			
	Motor Des	K055MDC04	41102 2237	124	Т Т		est Co	nditions		6£1.270777	i.c	
	Model:	KUSSMIDCU4	41102 22 1 1	1124	Test Type:	Run		Run Ca		6μfd 370VA	AC	
	Motor ID:	1			Test Number:			Start C		0μfd	40 6 PH	0.67.10
	Poles:	6			Poles:	6		Enviro		24.1 Deg C		967 hPa
	Volts:	115			Volts:	115		Tested:		9/30/2016 5		
	Frequency:	60			Hz:	60		Tested		Navarro, Su	isana	
	HP:	1/3			Rotation:	CCW		Gear R		1:1		
	Speed:	1075/2 spd			Special Cond:					-0.53 Oz-Ft		
	Phase:	1			Speed Conn:	High Spd				: -0,63 Oz-Ft		
	Protector:	AUTO			TestBoard:	CMD InLi	ne Three	Phase #2 Fi	xture #1			
Speci	al Points	Vline(V)	Vaux (V)	Vcap (V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)	
		115.0	375.9	396.7	2.653	107.1	1195	0.00	0.000	0.0	35.1	
		115.0 115.0	372.6 369.6	391.6 386.4	2.679 2.741	119.8 135.7	1191 1187	1.37 3.13	0.020	12.1 24.3	38.9 43.1	
		115.0	365.6	379.5	2.847	158.6	1181	5.57	0.078	36.8	48.4	
		115.0	360.6	371.8	3.008	188.0	1173	8.37	0.117	46.4	54.3	
		115.0	353.7	362.5	3.219	222.6	1162	11.72	0.162	54.3	60.1	
		115.0	345.5	352.0	3.474	260.0	1151	15.07	0.206	59.2	65.1	
		115.0	333.3	337.0 321.7	3.864	312.5 363.1	1134	19.23 23.36	0.260	62.0	70.3 73.7	
		115.0 115.0	320.2 310.8	310.9	4.284 4.586	396.9	1117 1104	25.80	0.311	63.8 63.7	75.3	
0.33	HP	115.0	313.7	314.3	4.491	386.5	1108	25.03	0.330	63.7	74.8	
		115.0	305.9	305.3	4.750	414.2	1096	27.03	0.353	63.5	75.8	
1075	RPM	115.0	290.4	287.7	5.254	467.0	1075	30.22	0.387	61.8	77.3	
		115.0	289.4	286.6	5.284	470.1	1074	30.43	0.389	61.7	77.4	
		115.0	271.8	267.2	5.853	524.1	1046	33.08	0.412	58.6	77.9	
		115.0 115.0	253.8 234.3	248.0 228.1	6.414 7.000	574.6 624.1	1016 982	35.31 36.65	0.427 0.428	55.5 51.2	77.9 77.5	
		115.0	214.5	208.7	7.581	669.7	943	37.01	0.416	46.3	76.8	
BDT	OZ-FT	115.0	208.6	203.1	7.749	682.8	931	37.22	0.413	45.1	76.6	
		115.0	195.7	191.4	8.113	708.5	902	36.82	0.395	41.6	75.9	
		115.0	177.0	175.5	8.618	742.0	855	35.78	0.364	36.6	74.9	
		115.0	159.4	162.1	9.082	770.1 794.1	805 748	34.10	0.327	31.6	73.7	
		115.0 115.0	142.6 126.9	151.0 142.4	9.512 9.895	813.5	688	32.02 29.66	0.285	26.8 22.3	72.6 71.5	
		115.0	112.3	136.1	10.227	828.4	623	26.95	0.200	18.0	70.4	
		115.0	98.7	132.2	10.525	840.6	551	23.95	0.157	13.9	69.5	
		115.0	86.0	129.9	10.785	849.7	474	20.70	0.117	10.2	68.5	
		115.0	73.6	129.8	10.997	856.1	388	17.57	0.081	7.1	67.7	
		115.0 115.0	63.8 57.6	131.7 135.7	11.159 11.260	860.7 863.3	299 206	14.52 12.20	0.052	4.5 2.6	67.1 66.7	
		115.0	53.1	140.7	11.331	866.8	103	9.76	0.012	1.0	66.5	
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												22YH24A

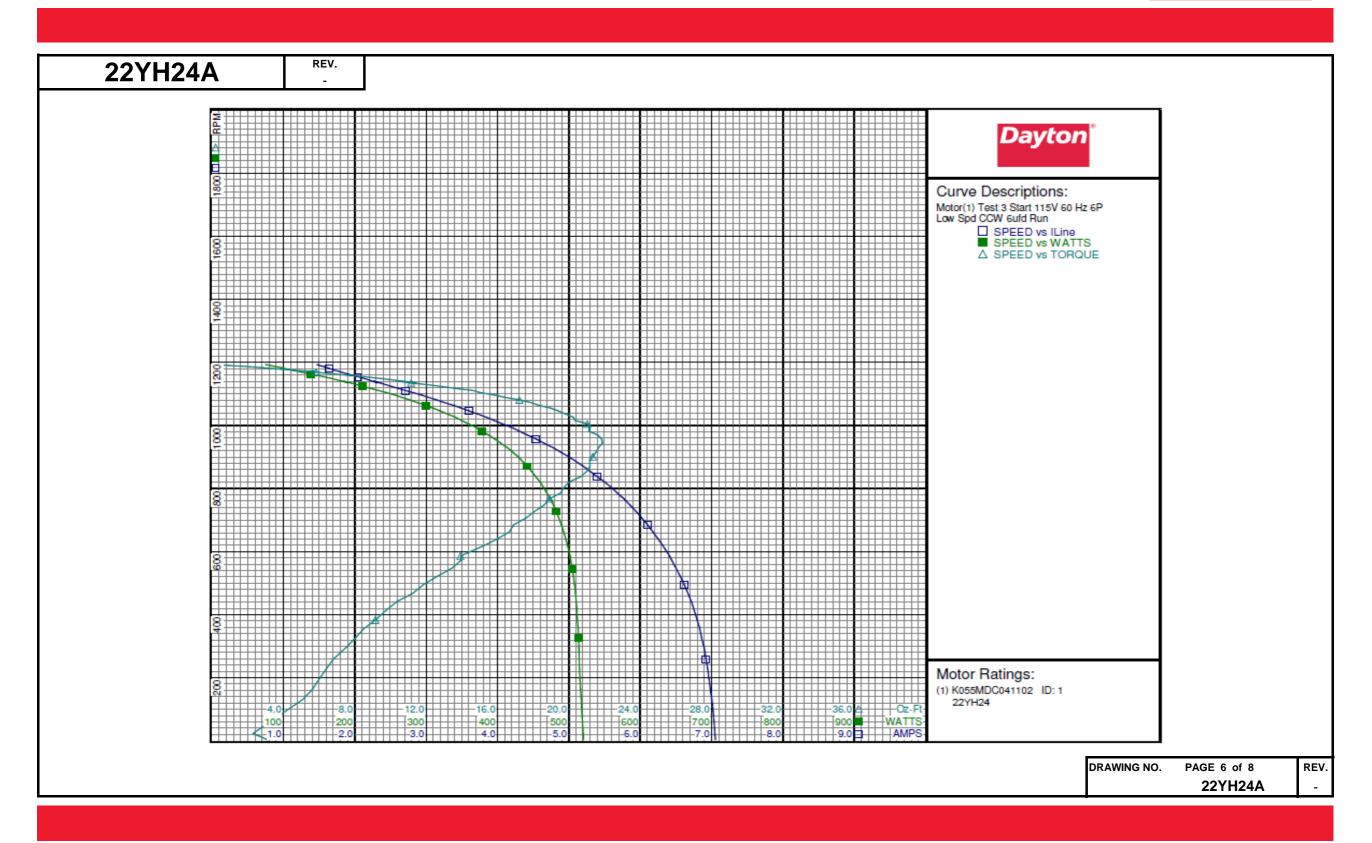






22YH24A	REV.												
Dayton Manufacturing Company													
Motor Des	cription				7	Test Co	nditions						
Model:	K055MDC04	1102 22Y	H24	Test Type:	Start		Run Ca	ıp:	6μfd 370VA	C			
Motor ID:	1			Test Number:			Start C		0µfd				
Poles:	6			Poles:	6		Enviro		24.1 Deg C	48 % RH	967 hPa		
Volts:	115			Volts:	115		Tested:		9/30/2016 5		707 III u		
	60			Hz:	60		Tested		Navarro, Su				
Frequency: HP:	1/3			Rotation:	CCW		Gear R	•	1:1	Sana			
Speed:	1075/2 spd			Special Cond:					-0.60 Oz-Ft				
Phase:	1			Speed Conn:	Low Spd				: -1.25 Oz-Ft				
Protector:	AUTO			TestBoard:	CMD InL	ine Three	Phase #2 Fi	xture #1					
Special Points	Vline(V)	Vaux (V)	Vcap (V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF (%)			
	115.0	42.6	117.2	7.046	519.9	23	2.29	0.001	0.1	64.2			
	115.0	42.6	117.2	7.046	519.9	23	2.29	0.001	0.1	64.2			
	115.0 115.0	44.2	109.9 106.3	7.003 6.945	517.3 514.8	131 229	5.08 6.41	0.008	1.1 2.5	64.2			
	115.0	47.3 53.2	102.3	6.861	513.4	326	8.03	0.017	4.5	64.5 65.1			
	115.0	60.6	100.4	6.757	511.3	413	9.75	0.031	7.0	65.8			
	115.0	70.4	100.4	6.615	507.9	496	11.85	0.070	10.3	66.8			
	115.0	80.9	102.3	6.444	502.6	571	13.93	0.095	14.0	67.8			
	115.0	92.1	105.9	6.249	495.5	640	15.98	0.122	18.3	68.9			
	115.0 115.0	104.5 117.5	111.4 118.9	6.020 5.769	485.9 474.1	707 767	17.60 18.92	0.148	22.7 27.2	70.2 71.5			
	115.0	130.4	127.8	5.504	459.8	820	20.00	0.175	31.7	72.6			
	115.0	145.2	139.3	5.201	441.7	870	21.18	0.219	37.1	73.8			
	115.0	159.9	152.1	4.889	421.3	914	21.51	0.234	41.5	74.9			
	115.0	175.9	167.3	4.536	396.0	957	21.84	0.249	46.9	75.9			
	115.0	190.9	182.0	4.198	370.1	993	21.14	0.250	50.4	76.7			
	115.0	206.2	198.0	3.841	340.6	1026	20.24	0.247	54.1	77.1			
	115.0 115.0	221.3 235.2	214.2 229.6	3.484 3.147	308.7 277.0	1055 1080	18.94 17.23	0.238	57.5 59.7	77.1 76.5			
	115.0	249.0	245.3	2.807	243.5	1104	14.99	0.197	60.4	75.4			
	115.0	261.5	259.5	2.508	211.1	1124	12.81	0.171	60.5	73.2			
	115.0	271.6	271.5	2.262	183.8	1140	10.43	0.142	57.5	70.7			
	115.0	281.1	283.1	2.038	156.1	1154	8.52	0.117	56.0	66.6			
	115.0	289.8	293.8	1.848	130.9	1166	6.26	0.087	49.5	61.6			
	115.0	296.9	302.7	1.709	111.0	1175	4.49	0.063	42.2	56.5			
	115.0 115.0	302.4 309.8	310.0 320.1	1.611 1.522	96.7 83.3	1183 1189	2.81 1.28	0.040	30.5 16.3	52.2 47.6			
	115.0	314.8	327.3	1.469	74.7	1193	0.09	0.001	1.3	44.2			
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									ľ	SAMING NO.	1 405 3 01 0		

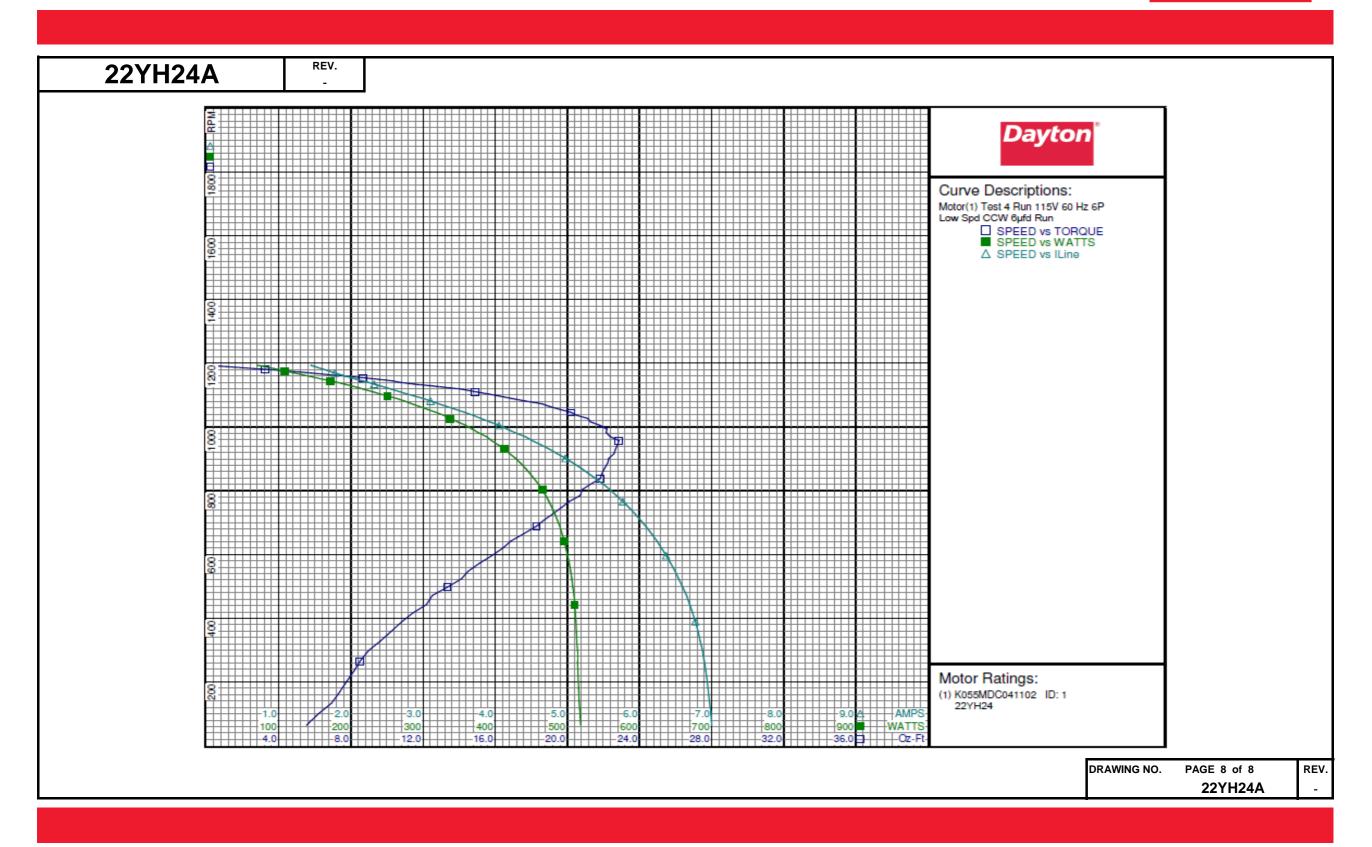






Motor ID Model: Motor ID Poles: Volts: Frequenc HP: Speed: Phase: Protector Special Points	D: 1 6	041102 22Y		Day	ton Mai	nufactı	uring Con	ıpany			
Model: Motor ID Poles: Volts: Frequenc HP: Speed: Phase: Protector	K055MDC0 D: 1 6	941102 22Y									
Model: Motor ID Poles: Volts: Frequenc HP: Speed: Phase: Protector	K055MDC0 D: 1 6	41102 22Y									
Speed: Phase: Protector	115 cy: 60 1/3		H24	Test Type: Test Number: Poles: Volts: Hz: Rotation:	Run		nditions Run Ca Start Ca Environ Tested: Tested: Gear Ra	ap: nment: By:	6μfd 370VA 0μfd 24.1 Deg C 9/30/2016 5 Navarro, Su 1:1	48 % RH 5:11:01 PM	967 hPa
	1075/2 spd 1			Special Cond: Speed Conn: TestBoard:	Low Spd		Bearing	Friction: ge Torque:	-0.61 Oz-Ft : -0.36 Oz-Ft		
special rollic	s Vline(V)	Vaux (V)	Van (V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF (%)	
	115.0	317.7	Vcap(V) 331.8	1.445	69.7	1193	0.00	0.000	0.0	41.9	
	115.0	313.5	325.7	1.482	76.9	1190	0.72	0.010	9.9	45.1	
	115.0	307.1	316.6	1.557	88.8	1185	2.10	0.030	24.9	49.6	
	115.0	300.3	307.2	1.658	104.2	1178	3.87	0.054	38.9	54.7	
	115.0	293.4	298.4	1.778	121.7	1169	5.80	0.081	49.5	59.5	
	115.0	285.6	288.7	1.940	143.6	1158	7.91	0.109	56.7	64.4	
	115.0	276.3	276.9	2.160	171.4	1144	10.27	0.140	60.8	69.0	
	115.0	265.8	264.8	2.400	200.0	1129	12.42	0.167	62.3	72.5	
	115.0	254.2	251.3	2.679	230.3	1110	14.90	0.197	63.8	74.7	
107E DDW	115.0	241.2	236.1	3.006	263.9	1089	16.94	0.220	62.1	76.3	
1075 RPM	115.0	233.7	227.9	3.180	281.1	1075	18.32	0.234	62.2	76.9	
	115.0	227.8 212.7	221.3	3.326 3.693	294.7 328.4	1064	19.01	0.241	60.9 57.5	77.1 77.3	
	115.0 115.0	197.5	204.8 188.7	4.055	359.0	1036 1004	20.51 21.80	0.261	54.1	77.0	
	115.0	181.7	172.6	4.420	388.2	969	22.38	0.258	49.6	76.4	
BDT OZ-FT	115.0	177.6	168.7	4.508	394.7	957	22.86	0.260	49.2	76.1	
	115.0	166.6	158.2	4.750	412.5	930	22.67	0.251	45.4	75.5	
	115.0	151.1	144.1	5.087	435.3	885	22.23	0.234	40.1	74.4	
	115.0	136.6	132.2	5.391	453.7	838	21.82	0.218	35.8	73.2	
	115.0	122.6	121.9	5.678	469.9	785	20.71	0.193	30.7	72.0	
	115.0		113.8	5.938	482.6	727	19.20	0.166	25.7	70.7	
	115.0	97.2	107.7	6.165	492.5	665	17.60	0.139	21.1	69.5	
	115.0	85.5	103.6	6.371	500.4	596	15.81	0.112		68.3	
	115.0	74.9	101.1	6.544	506.1	523	14.12	0.088	13.0	67.3	
	115.0 115.0	64.5 55.6	100.1 101.3	6.698 6.813	510.3 512.5	442 357	12.18 10.20	0.064	9.4 6.3	66.2 65.4	
	115.0	49.3	104.8	6.897	514.1	265	8.50	0.027	3.9	64.8	
	115.0		104.5	6.956	515.8	166	7.35	0.015	2.1	64.5	
	115.0	43.4	113.6	7.003	518.4	64	5.52	0.004	0.6	64.4	
										DRAWING NO.	PAGE 7 of 8
										DRAWING NO.	PAGE / OT 8





Wiring Diagram



22YH24A

REV.

CONNECTIONS:

COM - WHITE

LOW - RED

HIGH - BLACK

CCW LEAD END NON-REVERSIBLE 6.0 MFD, 370 VAC. CAP

DRAWING NO.

PAGE 1 of 1 22YH24A

REV.

Dayton®

DIRECT DRIVE **FAN MOTOR**

HP: 1/3 VOLTS: 115

AMPS: 5.3

DUTY: CONT

KVA CODE: **ENCL: TEAO**

SF: 1.0

PH: 1

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

RPM: 1075/2 SPD **HZ**: 60 **FR**: 48YZ

INS CL: B

AMB: 40 C

Part 22YH24A

COM - WHITE LOW - RFD HIGH - BLACK

CCW LEAD END NON-REVERSIBLE

CONNECTIONS:

MTR REF: K55HXMDC-411

AVG. F.L. MFG. NO. PROT. CODE: 7A010 EFF.

SFA:

E37403



THERMALLY PROTECTED: AUTO

6.0 MFD, 370 VAC. CAP Made in Mexico

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