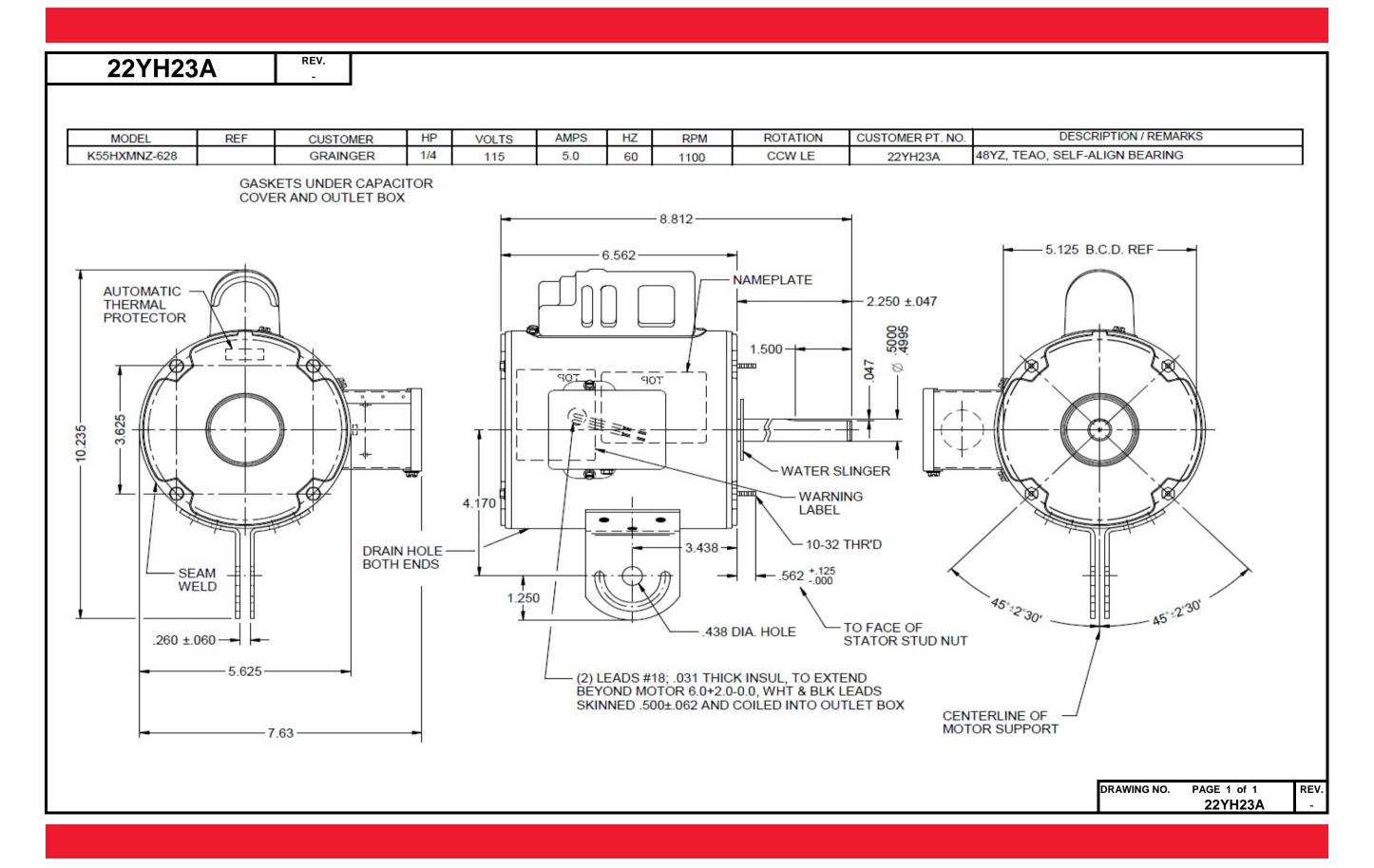
Dimensional Drawing





Performance Data



MOTOR PERFORMANCE											
HP:	1/4HP										
Poles:	6										
No. of Speeds:	1										
Volts:	115	115			I I						
HZ:	60	60									
Service Factor:	1										
Efficiency:	@ Rated Load	62.6									
Power Factor:	@ Rated Load	83.9									
Amps:	@ No Load				$ \downarrow \downarrow \downarrow$						
	@ Rated Load	3.2			┥──┤						
	@ Service Factor	11.0			+ +						
RPM:	@ Locked Rotor @ Rated Load	11.6 1153			+ +						
Ambient (°C):	40	1155		!	<u> </u>						
Altitude (FASL):	10										
Torques:	Breakdown	38									
	Locked Rotor	7.2			1 1						
	Pull-Up	6.5									
	Rated Load	19.1									
	Service Factor										
Watts:	Rated Load	313									
KVA Code:					<u> </u>						
Temperature Rise:	@ Rated Load	_			+						
Thermal Protector:	@ Service Factor Trip Temp (°C)				+ +						
Winding Material:	Start (Auxiliary)	Cu			+ +						
winding waterial.	Run (Main)	Cu			+ +						
Capacitor(s):	Start (MFD / Volts)		I	N/A	1 1	I					
	No. of Start Capacitors										
	Run (MFD / Volts)		OVAC								
	No. of Run Capacitors		•								
	RFORMANCE DATA:										
HP:											
Poles: Volts:											
HZ:				_	+ +						
Efficiency:	@ Rated Load				+ +						
Power Factor:	@ Rated Load				+ +						
Amps:	@ No Load				1 1						
-	@ Rated Load				1 1						
	@ Service Factor										
	@ Locked Rotor										
Torques:	@ Rated Load										
	Locked Rotor				↓ ↓						
	Pull-Up				┥──┤						
	Rated Load				┨───┤						
Watte	Service Factor				+						
Watts: Temperature Rise:	@ Rated Load @ Rated Load				┨						
	@ Service Factor				+						

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

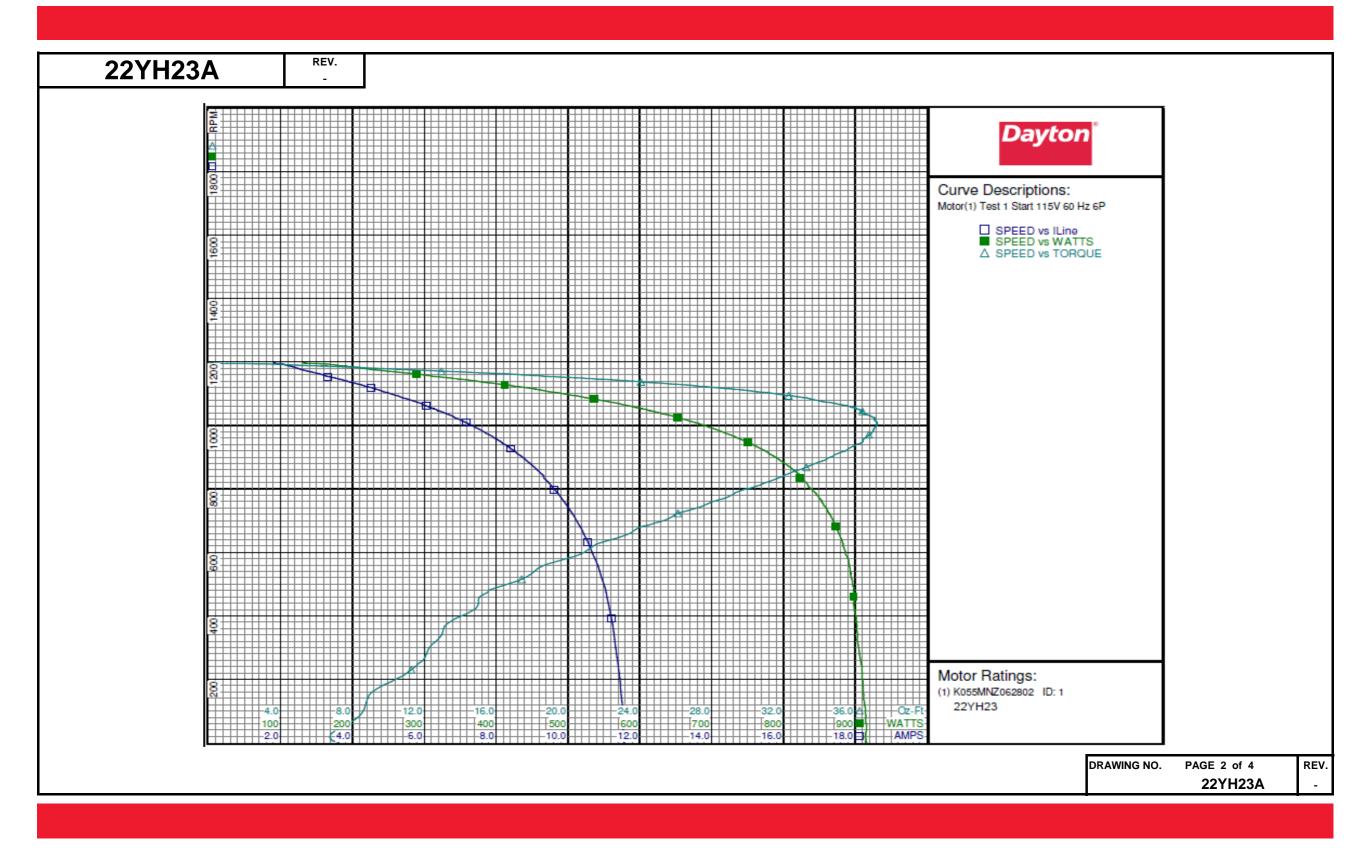


22YH23A	- REV.										
	<u> </u>			Day	ton Ma	nufactu	ring Con	npany			
Motor Des	cription					Test Cor	nditions				
Model:	K055MNZ00	52802 22HY	(23	Test Type:	Start		Run Ca	p:	0	-	
Motor ID:	1			Test Number:			Start Ca		7.5µfd/440	VAC	
Poles:	6			Poles:	6		Enviror			52 % RH	995 hPa
Volts:	115			Volts:	115		Tested:		9/7/2016 2:		
Frequency:	60			Hz:	60		Tested		Sharp, Gera		
HP:	.25			Rotation:			Gear R		1:1		
Speed:	1100			Special Cond:					-0.93 Oz-Fi	t	
Phase:	1			Speed Conn:					:-1.30 Oz-Fi		
Protector:	AUTO			TestBoard:	Amtps Pe	erformance	e Fixture #4	-			
Special Points	Vline(V)	Vaux (V)	Vcap(V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF (%)	
	115.0 115.0	45.5 46.5	145.8 145.1	11.552 11.534	916.1 914.2	0 17	7.24 6.74	0.000	0.0	69.0 68.9	
	115.0	46.5	145.1	11.534	914.2	17	6.74	0.001	0.1	68.9	
	115.0	50.3	140.6	11.504	912.7	128	8.77	0.013	1.1	69.0	
	115.0	57.5	138.4	11.390	908.1	249	11.67	0.035	2.8	69.3	
	115.0 115.0	64.2 72.4	136.6 135.6	11.262 11.098	902.2 898.0	359 453	13.06 15.02	0.056 0.081	4.6 6.7	69.7 70.4	
	115.0	82.4	136.0	10.892	893.6	536	18.06	0.115	9.6	71.3	
	115.0	94.1	137.6	10.627	884.4	614	21.26	0.155	13.1	72.4	
	115.0 115.0	106.0 119.3	140.9 146.0	10.335 9.996	872.9 859.0	681 742	24.17 27.36	0.196	16.8 21.0	73.4 74.7	
	115.0	130.3	151.5	9.697	843.7	789	29.36	0.276	24.4	75.7	
	115.0	145.1	159.9	9.331	824.9	839	31.97	0.319	28.9	76.9	
	115.0 115.0	161.7 176.3	171.2 182.2	8.863 8.448	797.0 771.1	887 923	34.15 35.56	0.361 0.391	33.8 37.8	78.2 79.4	
	115.0	188.2	192.0	8.096	746.7	951	36.44	0.412	41.2	80.2	
	115.0	206.8	208.2	7.533	705.6	987	37.04	0.435	46.0	81.4	
	115.0 115.0	219.1 233.1	219.4 232.8	7.164 6.726	677.9 641.3	1008 1032	37.23 36.75	0.447 0.451	49.2 52.5	82.3 82.9	
	115.0	247.8	247.1	6.276	604.8	1051	36.11	0.452	55.7	83.8	
	115.0	255.2	254.5	6.031	582.7	1062	35.52	0.449	57.5	84.0	
	115.0 115.0	276.3 292.0	275.9 292.4	5.370 4.865	523.5 474.2	1088 1106	33.10 30.52	0.429 0.402	61.1 63.2	84.8 84.8	
	115.0	306.2	307.6	4.437	433.3	1121	27.75	0.370	63.8	84.9	
	115.0	318.9	321.4	4.023	390.7	1134	24.87	0.336	64.1	84.4	
	115.0 115.0	332.2 344.3	335.7 348.6	3.615 3.266	347.7 310.2	1145 1155	21.63 18.59	0.295 0.256	63.3 61.5	83.6 82.6	
	115.0	361.6	367.6	2.819	256.3	1169	13.74	0.191	55.6	79.1	
	115.0	383.3	390.4	2.465	214.0	1180	9.20	0.129	45.0	75.5	
	115.0 115.0	410.6 419.5	422.2 435.7	2.092 1.805	168.7 129.9	1192 1197	3.88	0.055 0.000	24.4 0.0	70.1 62.6	
										DRAWING NO.	PAGE 1 of 4
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Dayton Electric Mfg. Co. Lake Forest, IL 60045 USA

Performance Data





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



							•				
				Day	ton Ma	nufactu	ring Con	ipany			
Motor Des	scription					Test Cor	nditions				
Model:	K055MNZ06	52802 22YH	123	Test Type:	Run	1000 000	Run Ca	D:	0		
Motor ID:	1			Test Number:			Start Ca	-	7.5µfd/440V	AC	
Poles:	6			Poles:	6		Enviror		21.2 Deg C		995 hPa
Volts:	115			Volts:	115		Tested:		9/7/2016 2:2		<i>)))</i> III u
Frequency:	60			Hz:	60		Tested		Sharp, Gera		
HP:	.25			Rotation:	00		Gear R		1:1		
Speed:	1100			Special Cond:					-0.76 Oz-Ft		
Phase:	1										
Protector:				Speed Conn: TestBoard:	Amtra D	rformance	Fixture #4	e rorque	:-1.29 Oz-Ft		
Protector.	AUTO			TestBoard.	Amps Po	eriormance	Fixture #4				
Special Points	Vline(V) 115.0	Vaux (V) 419.0	Vcap(V) 435.3	1.776	Watts 127.0	RPM	Tq(Oz-ft)	HP 0.000	Eff(%) 0.0	PF (%)	
	115.0	413.4	435.3	1.976	159.3	1194 1188	0.00	0.048	22.4	62.2 70.1	
	115.0	395.2	403.0	2.328	202.7	1181	8.14	0.114	42.1	75.7	
	115.0	383.3	390.4	2.470	216.2	1178	9.66	0.135	46.8	76.1	
0.25 HP	115.0 115.0	365.1 349.9	370.4 354.0	2.781 3.144	259.0 302.4	1167 1155	14.14 18.18	0.196 0.250	56.6 61.7	81.0 83.6	
19.1 OZ-FT	115.0	346.4	350.1	3.241	312.8	1153	19.10	0.262	62.6	83.9	
	115.0	342.8	346.2	3.341	322.8	1152	19.89	0.273	63.0	84.0	
	115.0	338.7	342.1	3.447	333.0	1149	20.70	0.283	63.4	84.0	
	115.0 115.0	327.3 313.8	330.2 315.4	3.777 4.214	368.7 413.6	1138 1127	23.62 26.79	0.320 0.359	64.8 64.8	84.9 85.3	
	115.0	299.0	299.4	4.670	458.9	1111	30.06	0.398	64.7	85.4	
1100 RPM	115.0	289.1	288.9	4.982	489.0	1100	31.72	0.415	63.4	85.3	
	115.0	281.5	280.9	5.232	513.7	1092	33.05	0.430	62.4	85.4	
	115.0 115.0	261.1 241.7	259.7 240.7	5.891 6.497	574.3 626.3	1066 1041	35.62 37.15	0.452 0.460	58.7 54.8	84.8 83.8	
	115.0	218.1	217.8	7.247	688.1	1005	38.01	0.455	49.3	82.6	
BDT OZ-FT	115.0	215.9	215.6	7.317	693.6	1000	38.02	0.453	48.7	82.4	
	115.0	195.6	197.8	7.925	738.4	963	37.42	0.429	43.3	81.0	
	115.0 115.0	180.7 163.9	185.3 172.4	8.356 8.858	767.0 799.9	932 891	36.49 34.82	0.405	39.4 34.4	79.8 78.5	
	115.0	148.3	161.5	9.289	825.3	848	32.82	0.331	30.0	77.3	
	115.0	137.1	154.8	9.553	838.4	812	31.12	0.301	26.8	76.3	
	115.0 115.0	125.8 116.3	148.8 144.7	9.862 10.105	854.0 865.5	769 730	28.98 26.93	0.265 0.234	23.2 20.2	75.3 74.5	
	115.0	106.1	141.0	10.373	876.7	680	24.50	0.198	16.9	73.5	
	115.0	97.4	138.5	10.580	884.1	632	22.36	0.168	14.2	72.7	
	115.0	89.4	136.9	10.768	891.7	581	20.17	0.140	11.7	72.0	
	115.0 115.0	81.0 73.4	135.9 135.4	10.952 11.104	896.9 900.9	523 461	17.70 15.26	0.110 0.084	9.2 6.9	71.2 70.5	
	115.0	67.2	135.9	11.215	901.7	395	13.91	0.065	5.4	69.9	
	115.0	62.2	137.2	11.303	904.4	327	13.08	0.051	4.2	69.6	
	115.0 115.0	57.5 53.3	138.6 139.5	11.393 11.457	908.2 912.4	253 173	11.32 10.78	0.034	2.8	69.3 69.2	
	110.0	55.5	105.0	11.407	312.4	1/5	10.70	0.022	-		
										DRAWING NO.	PAGE 3 of 22YH2

Performance Data



