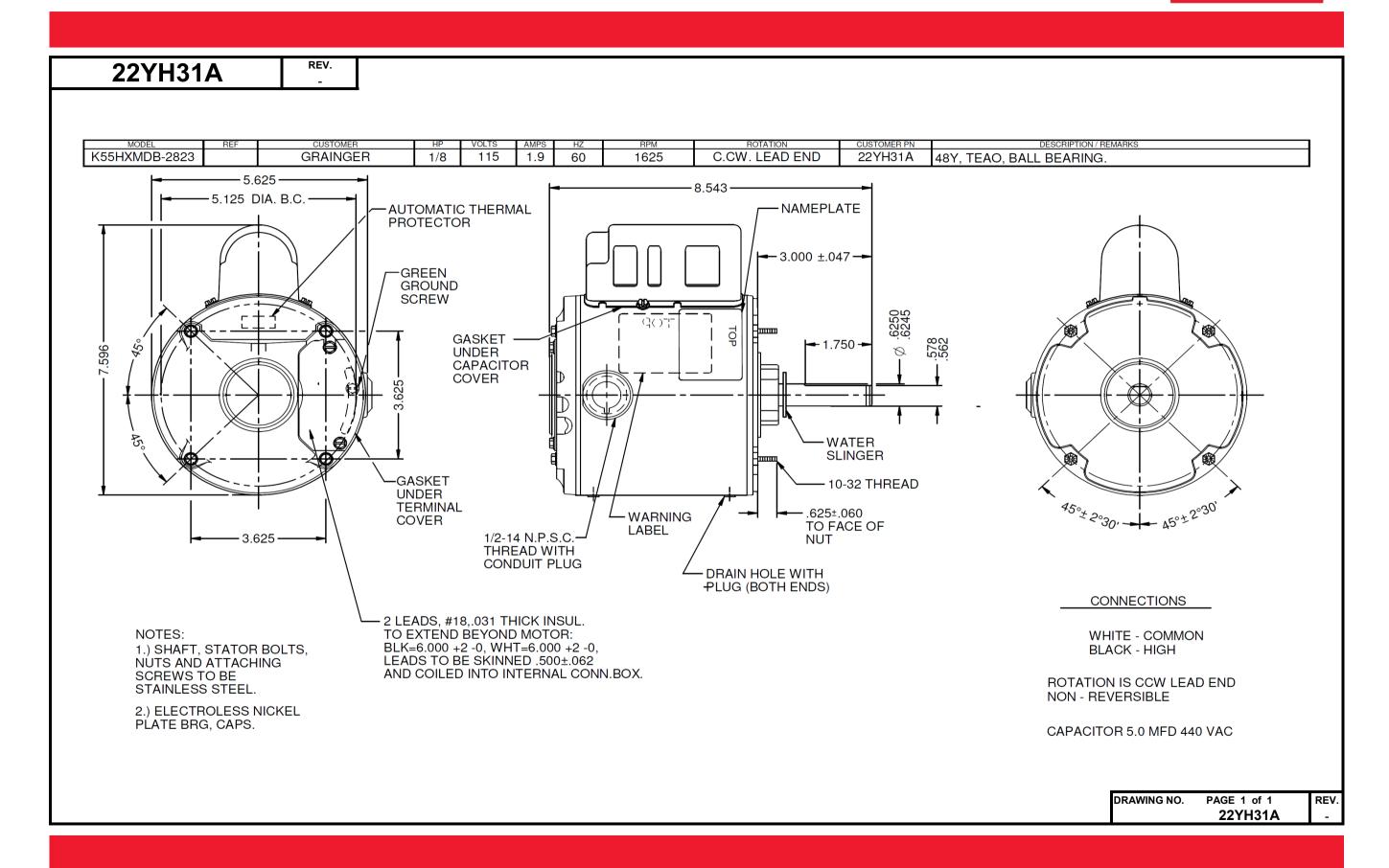
Dimensional Drawing







22YH31/	REV.								
	SHADED-POLE &	PSC MOTO	R PERF	ORMAN	ICE				
HP:	1/8								
Poles:	4								
Ambient (°C):	40								
Altitude (FASL):									
No. of Speeds:	1								
		HIGH SPEED							
Volts:	115	115							
HZ:	60	60							
Service Factor:	1								
Efficiency:	@ Rated Load	47.8							
Power Factor:	@ Rated Load	86.2							
Amps:	@ No Load	0.972							
•	@ Rated Load	1.971							
	@ Locked Rotor	4.179							
RPM:	@ Rated Load	1591							
Torques:	Breakdown	8.89							
Oz.Ft. / Lb.In.	Locked Rotor	1.603							
(Circle One)	Pull-Up								
	Rated Load	6.6							
	Service Factor	6.6							
Watts:	Rated Load	195.3							
Temperature Rise:	@ Rated Load	65.4							
Thermal Protector:	Trip Temp (°C)	177.1							
Winding Material:	Start (Auxiliary)			Cu					
	Run (Main)	Cu							
Capacitor:	Run (MFD / Volts)	5 uf / 440 V							
•	No. of Run Capacitors			1					
	ME	DIUM-HIGH S	PEED						
HP:									
Volts:									
HZ:									
Efficiency:	@ Rated Load								
Power Factor:	@ Rated Load								
Amps:	@ No Load								
•	@ Rated Load								
	@ Locked Rotor								
Torques:	Breakdown								
Oz.Ft. / Lb.In.	Locked Rotor								
(Circle One)	Pull-Up								
(5510 5110)	Rated Load								
Watts:	Rated Load								
Temperature Rise:	@ Rated Load								
	· ·					1			

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

22YH31A

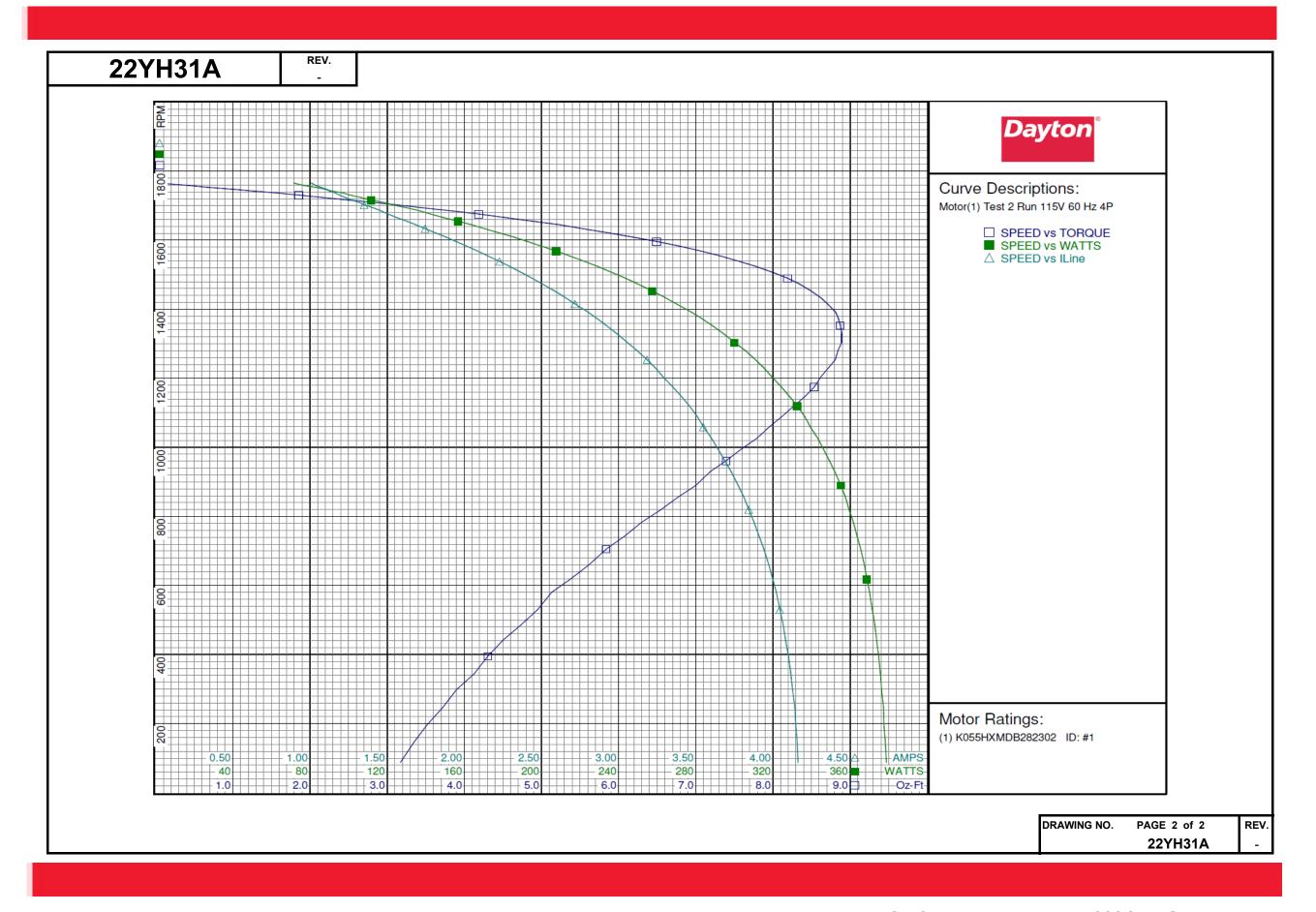


@ Rated Load @ Rated Load	IEDIUM-LOW	SPEED			
@ Rated Load					
@ Rated Load					
@ No Load					
@ Rated Load					
Breakdown					
Locked Rotor					
Pull-Up					
Rated Load					
Rated Load					
@ Rated Load					
)					
Run (Main)					
	I OW SPE	FD			
	LOWE				
				1 1	
@ Rated Load					
•					
~					
•				+	
				+	
	Breakdown Locked Rotor Pull-Up Rated Load Rated Load	Breakdown Locked Rotor Pull-Up Rated Load Rated Load @ Rated Load @ Rated Load Trip Temp (°C) Start (Auxiliary) Run (Main) LOW SPE @ Rated Load @ Rated Load @ Rated Load @ Rated Load Rated Load @ Rated Load Rated Load @ Rated Load Rated Load Rated Load Breakdown Locked Rotor Pull-Up Rated Load Rated Load Rated Load	Breakdown Locked Rotor Pull-Up Rated Load Rated Load @ Rated Load @ Rated Load Trip Temp (°C) Start (Auxiliary) Run (Main) LOW SPEED @ Rated Load @ Rated Load @ Rated Load @ Rated Load Rated Load @ Rated Load Rated Load @ Rated Load @ Rated Load Rated Load Rated Load Breakdown Locked Rotor Pull-Up Rated Load Rated Load Rated Load Rated Load	Breakdown Locked Rotor Pull-Up Rated Load Rated Load @ Rated Load @ Rated Load @ Rated Load Trip Temp (°C) Start (Auxiliary) Run (Main) LOW SPEED @ Rated Load @ Rated Load @ Rated Load @ Rated Load @ Rated Load @ Rated Load @ Rated Load @ Rated Load @ Rated Load @ Rated Load Rated Load	Breakdown Cocked Rotor Cocked



				Day	ton Ma	nufactu	ıring Con	npany			
Motor Des	crintion					Test Cor	nditions				
Model:	K055HXMD	B282302		Test Type:	Run	1 CST CO	Iditions				
Motor ID:	#1			Test Number:							
Poles:	4			Poles:	4		Enviror		22.4 Deg C		962 hPa
Volts:	115			Volts:	115		Tested:		2/8/2017 12		
Frequency: HP:	60 1/8			Hz: Rotation:	60		Tested	ву:	Navarro, Su	sana	
Speed:	1625			Special Cond:			Regrino	Friction	-0.43 Oz-Ft		
Phase:	1023			Speed Conn:					:-1.88 Oz-Ft		
Protector:	7AM036-A5			TestBoard:	CMD In	Line Three	Phase #2 Fix		1.00 02 11		
Special Points	Vline(V)	Vaux (V)	Vcap (V)	Iline (A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)	
	115.0 115.0	222.2 220.9	251.6 249.1	1.007 1.035	71.5 76.4	1766 1759	0.000 0.412	0.000	0.0 8.4	61.8 64.2	
	115.0	217.0	243.4	1.104	87.5	1748	0.412	0.020	17.3	69.0	
	115.0	214.2	239.6	1.161	96.8	1737	1.542	0.032	24.6	72.5	
	115.0 115.0	210.8 206.5	235.1 229.2	1.227 1.316	106.2 118.1	1724 1709	2.153 2.812	0.044	31.0 36.1	75.3 78.0	
	115.0	201.6	222.9	1.418	131.3	1692	3.512	0.071	40.2	80.5	
	115.0 115.0	197.0 191.6	217.5 210.7	1.505 1.628	142.5 156.8	1675 1654	4.188 4.885	0.084 0.096	43.7 45.8	82.3 83.8	
	115.0	185.7	203.9	1.746	170.5	1633	5.534	0.108	47.1	84.9	
1625 RPM	115.0	183.6	201.6	1.790 1.883	175.5 185.8	1625 1608	5.754	0.111 0.118	47.3 47.6	85.2 85.8	
6.46 OZ-FT	115.0 115.0	179.5 176.7	196.7 193.8	1.883 1.939	185.8 191.9	1597	6.188 6.460	0.118	47.8	86.1	
0.125 HP	115.0	175.2	192.1	1.971	195.3	1591	6.600	0.125	47.8	86.2	
	115.0 115.0	173.0 166.4	189.8 182.7	2.016 2.153	200.0 214.5	1582 1554	6.793 7.315	0.128 0.135	47.7 47.1	86.3 86.7	
	115.0	159.5	175.5	2.294	229.1	1523	7.781	0.141	45.9	86.9	
	115.0 115.0	152.3 145.0	168.3 161.5	2.440 2.585	243.6 257.5	1489 1452	8.193 8.495	0.145 0.147	44.5 42.5	86.8 86.6	
	115.0	138.1	155.3	2.716	269.9	1415	8.705	0.147	40.5	86.4	
	115.0	130.7	149.0	2.861	283.1	1372	8.847	0.145	38.1	86.1	
BDT OZ-FT	115.0 115.0	123.6 123.6	143.6 143.6	2.990 2.990	294.5 294.5	1328 1328	8.890 8.890	0.141 0.141	35.6 35.6	85.6 85.6	
	115.0	116.5	138.5	3.114	305.2	1282	8.844	0.135	33.0	85.2	
	115.0 115.0	109.5 102.9	134.0 130.0	3.238 3.350	315.2 324.3	1230 1175	8.718 8.536	0.128 0.119	30.2 27.5	84.7 84.2	
	115.0	96.2	126.7	3.459	332.6	1119	8.267	0.119	24.7	83.6	
	115.0	90.2	124.3	3.549	339.4	1059	7.952	0.100	22.0	83.1	
	115.0 115.0	84.0 78.2	122.1 120.6	3.643 3.729	346.1 352.0	995 929	7.591 7.185	0.090	19.4 16.8	82.6 82.1	
	115.0	72.3	119.6	3.810	357.5	856	6.772	0.069	14.4	81.6	
	115.0	67.0	119.0	3.877	361.6	783	6.300	0.059	12.1	81.1	
	115.0 115.0	61.7 56.5	118.8 119.0	3.941 3.998	365.5 368.7	705 617	5.837 5.368	0.049	10.0 8.0	80.6 80.2	
	115.0	51.9	119.7	4.045	371.5	530	4.950	0.031	6.3	79.9	
	115.0 115.0	48.0 43.8	120.8 122.0	4.081 4.116	373.7 375.7	442 344	4.505 4.126	0.024 0.017	4.7 3.4	79.6 79.4	
	115.0	40.3	123.6	4.141	377.3	246	3.716	0.011	2.1	79.2	
	115.0	37.2	125.3	4.156	378.2	147	3.348	0.006	1.2	79.1	
										DRAWING NO.	PAGE 1 of 22YH31





Wiring Diagram



22YH31A

REV.

CONNECTIONS

WHITE - COMMON BLACK - HIGH

ROTATION IS CCW LEAD END NON - REVERSIBLE

CAPACITOR 5.0 MFD 440 VAC

DRAWING NO. PAGE 1 of 1
22YH31A

MOTOR

Dayton DIRECT DRIVE FAN

Rart 22YH31A

HP: 1/8 VOLTS: 115

AMPS: 1.9

RPM: 1625

PH: 1 HZ: 60

SFA:

Disconnect Power Before Making Any Electrical Connections or Changes CONNECTIONS

FR: 48Y **DUTY: CONT** INS CL: B SF: 1.00 KVA CODE: AMB: 40 °C

WHITE - COMMON BLACK - HIGH



F37403

FNCL: TEAC



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

ROTATION IS CCW LEAD END NON - REVERSIBLE

MADE IN MEXICO

CAPACITOR 5.0 MFD 440 VAC