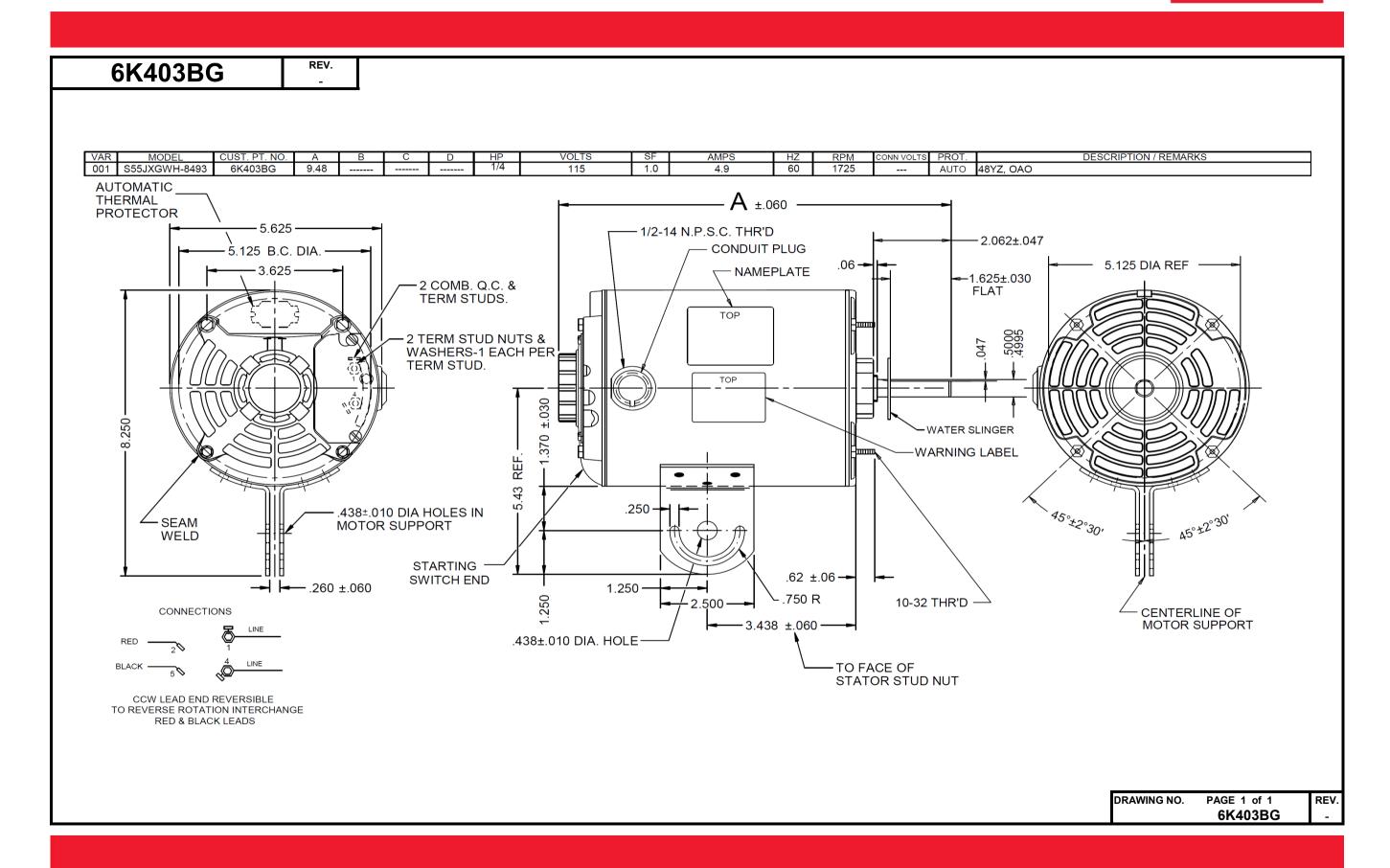
## **Dimensional Drawing**





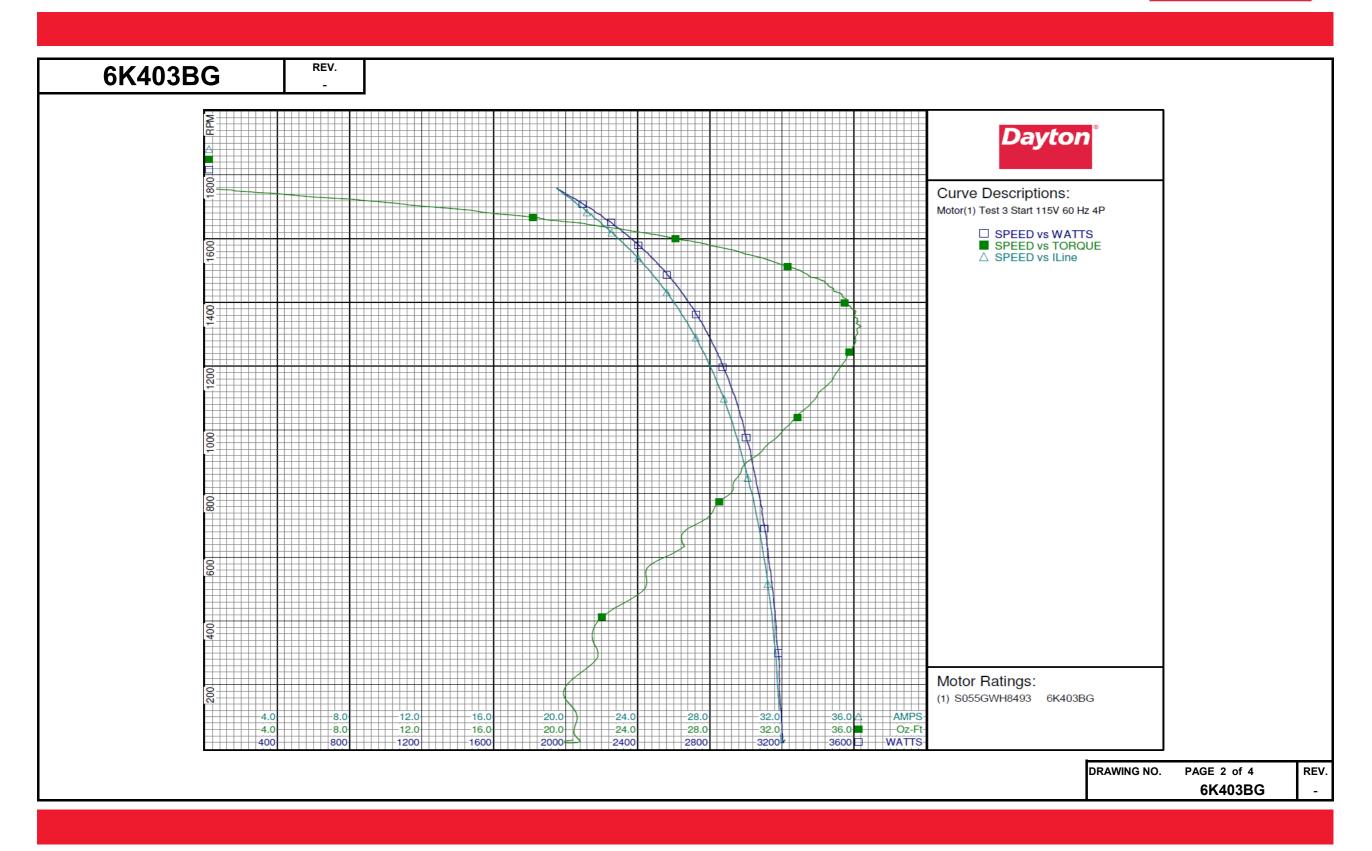


SPLIT	-PHASE & CAPACIT	OR STAR	T MOTO	R PERF	ORMAI	VCF				
OI EII	THASE & GAI AGI	OK OTAIN				102				
HP:	1/4									
Poles:	4									
Ambient (°C):	40									
Altitude (FASL):										
No. of Speeds:	1									
Volts:	115	115								
HZ:	60	60								
Service Factor:	1									
Efficiency:	@ Rated Load	53.7					<u> </u>			
Power Factor:	@ Rated Load	65.2								
Amps:	@ No Load @ Rated Load	4.7		_			+			
	@ Service Factor	4.7	+				+			
	@ Locked Rotor	32								
RPM:	@ Rated Load	1	1742							
Torques:	Breakdown	28.7								
•	Locked Rotor	20.4					<u> </u>			
	Pull-Up	19.6								
	Rated Load	12.2								
	Service Factor	12.2								
Watts:	Rated Load	351								
KVA Code:	R Patrol Land	R					<u> </u>			
Temperature Rise:	@ Rated Load @ Service Factor	OAO								
Thermal Protector:	Trip Temp (°C)	128.1								
Winding Material:	Start (Auxiliary)	Al					+			
willaling Material.	Run (Main)	Al								
Capacitor(s):	Start (MFD / Volts) NA									
. ( )	No. of Start Capacitors									
	Run (MFD / Volts)	NA NA								
	No. of Run Capacitors									
LOW SPEED PER	RFORMANCE DATA:	L L	<b>l</b>			ı	•			
HP:										
Poles:										
Volts:			I							
HZ:										
Efficiency:	@ Rated Load									
Power Factor:	@ Rated Load									
Amps:	@ No Load									
	@ Rated Load				1					
	@ Service Factor	<del>                                     </del>					1			
T	@ Locked Rotor BreakDown						+			
Torques:	Locked Rotor	+ +	+		1		+			
	Pull-Up	+ +	<del>-  </del>	_			+			
	Rated Load	+ +	<del>   </del>	1			+			
	Service Factor	<del>                                     </del>	<del>                                      </del>		1		†			
Watts:	@ Rated Load									
Temperature Rise:	@ Rated Load									
-	Service Factor									



	-										
	Dayton Manufacturing Company										
Motor Des	Test Conditions										
Model:	S055GWH8493 6K403BG			Test Type:	Start		Run Ca	ıp:	0		
Motor ID:	1			Test Number:	3		Start Ca	ap:	0μfd		
Poles:	4			Poles:	4		Enviror		20.6 Deg C	52 % RH	993 hPa
Volts:	115			Volts:	115		Tested:		8/15/2012 1		
Frequency:	60			Hz:	60		Tested		Sharp, Gera		
HP:	1/4			Rotation:			Gear R		1:1		
Speed:	1725			Special Cond:					-0.62 Oz-Ft		
Phase:	1 / 23								: -2.24 Oz-Ft		
Protector:	CEJ64CY			Speed Conn: TestBoard:	Amtps P	erformance	Fixture #4	ge Torque	2.24 OZ-Ft		
Special Points	Vline(V)	Tline(A)	Tmain (A)	Taux (A)	Watte	DDM.	Ta (0z-ft)	шъ	Fff(%)	DF (%)	
Special Points	Vline(V) 115.0	Iline(A) 32.04	Imain(A) 16.964	Iaux (A) 15.851	<b>Watts</b> 3217	<b>RPM</b> 26	Tq(Oz-ft) 20.36	0.006	Eff(%) 0.1	<b>PF(%)</b> 87.3	
PUT OZ-FT	115.0	31.98	16.946	15.817	3209	19	19.61	0.004	0.1	87.3	
	115.0	31.92	16.954	15.738	3205	32	20.65	0.008	0.2	87.3	
	115.0	31.82	16.988	15.519	3190	154	19.99	0.037	0.9	87.2	
	115.0 115.0	31.66 31.40	16.985 16.905	15.255 14.977	3180 3159	300 440	21.79 22.69	0.078 0.119	1.8 2.8	87.4 87.5	
	115.0	31.11	16.789	14.702	3132	566	24.51	0.115	3.9	87.6	
	115.0	30.77	16.644	14.435	3108	679	26.54	0.214	5.1	87.8	
	115.0	30.41	16.464	14.161	3078	784	28.75	0.268	6.5	88.0	
	115.0	30.00	16.206	13.947	3043	875	29.76	0.310	7.6	88.2	
	115.0 115.0	29.58 29.15	15.963 15.700	13.711 13.486	3010 2973	959 1039	31.30 32.87	0.357 0.407	8.9 10.2	88.5 88.7	
	115.0	28.68	15.416	13.260	2933	1112	33.99	0.450	11.4	88.9	
	115.0	28.19	15.112	13.036	2888	1179	35.02	0.491	12.7	89.1	
	115.0	27.69	14.796	12.854	2845	1239	35.71	0.527	13.8	89.3	
	115.0	27.18	14.456	12.683	2796	1295	36.10	0.556	14.8	89.4	
	115.0 115.0	26.66 26.14	14.100 13.735	12.544 12.441	2745 2695	1344 1389	36.17 35.74	0.578 0.591	15.7 16.4	89.5 89.6	
	115.0	25.61	13.349	12.369	2643	1432	35.05	0.597	16.9	89.7	
	115.0	25.10	12.967	12.318	2592	1469	34.20	0.598	17.2	89.8	
	115.0	24.59	12.575	12.311	2542	1503	32.83	0.587	17.2	89.9	
	115.0	24.09	12.174	12.335	2489	1535	31.15	0.569	17.1	89.8	
	115.0 115.0	23.60 23.12	11.765 11.387	12.377 12.430	2433 2385	1564 1589	29.30 27.21	0.546 0.515	16.7 16.1	89.6 89.7	
	115.0	22.67	10.975	12.525	2334	1614	24.76	0.476	15.2	89.5	
	115.0	22.21	10.558	12.639	2282	1637	22.22	0.433	14.1	89.3	
	115.0	21.77	10.139	12.770	2232	1657	19.17	0.378	12.6	89.1	
	115.0	21.36	9.721	12.910	2181	1678	16.15	0.323	11.0	88.8	
	115.0 115.0	20.97 20.54	9.350 8.976	13.036 13.162	2134 2085	1696 1712	13.41 10.14	0.271	9.5 7.4	88.5 88.3	
	115.0	20.14	8.445	13.162	2030	1731	5.93	0.122	4.5	87.7	
	115.0	19.73	8.084	13.541	1981	1747	2.16	0.045	1.7	87.3	
	115.0	19.51	7.755	13.700	1949	1758	0.00	0.000	0.0	86.9	
										DRAWING NO.	PAGE 1 of

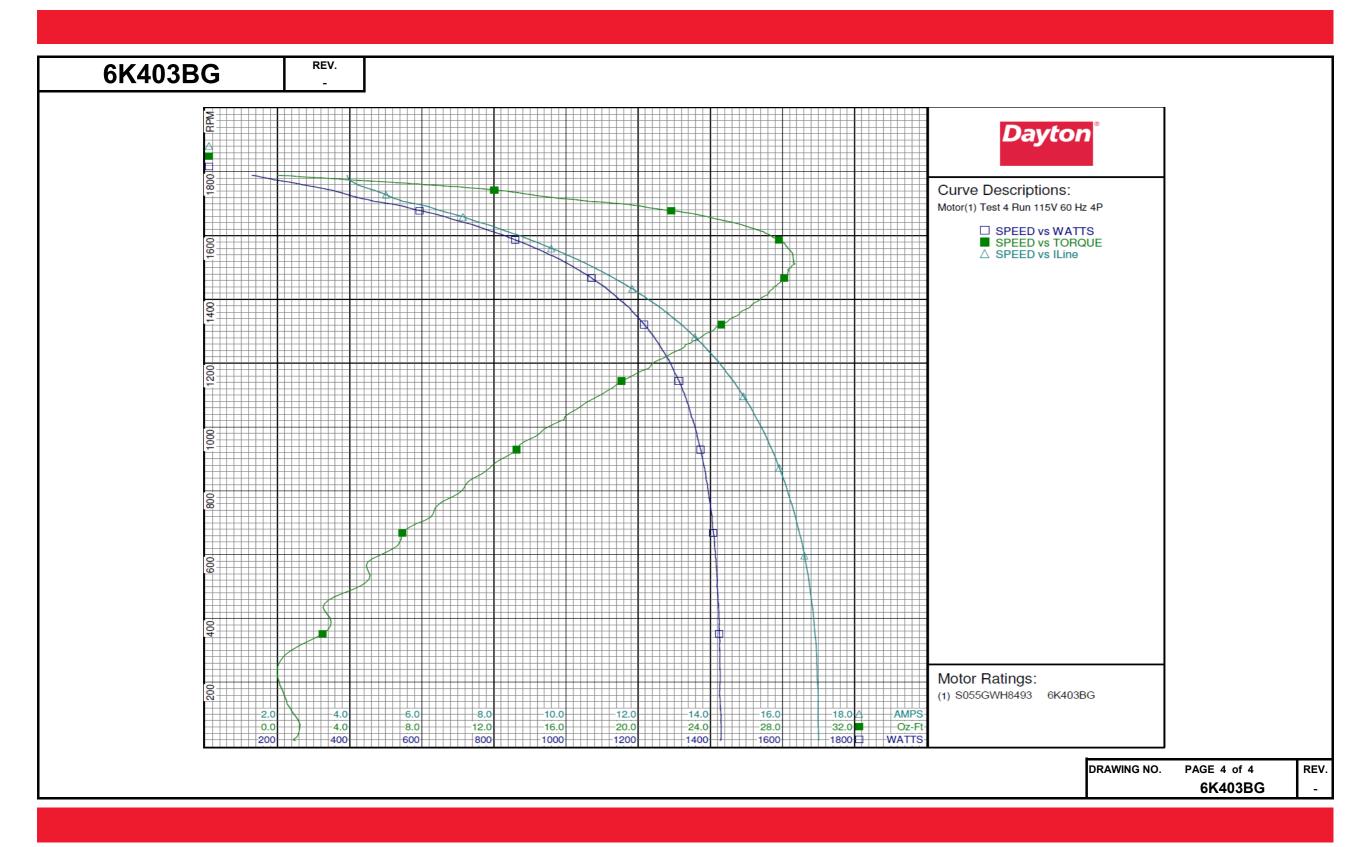






K403BG	REV.									
				Da	ayton Ma	nufactu	ring Cor	npany		
	Description									
Model:	S055GWH8	3493 6K403	BG	Test Type:			Run Ca	ap:	0	
Motor II	D: 1			Test Numb	per: 4		Start C	ap:	0μfd	
Poles:	4			Poles:	4		Enviro	nment:	20.6 Deg C 52 % RH	993 hPa
Volts:	115			Volts:	115		Tested	:	8/15/2012 1:53:34 PM	
Frequen	cy: 60			Hz:	60		Tested	By:	Sharp, Gerald	
HP:	1/4			Rotation:			Gear R	atio:	1:1	
Speed:	1725			Special Co	ond:		Bearin	g Friction:	-0.67 Oz-Ft	
Phase:	1			Speed Con					: -2.36 Oz-Ft	
Protecto	r: CEJ64CY			TestBoard		erformance		51		
Special Point	s Vline(V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF (%)		
	115.0		129.0	1789	0.00	0.000	0.0	28.5		
	115.0 115.0		199.4 268.5	1773 1759	4.34 8.19	0.092 0.171	34.2 47.6	43.4 55.4		
0.25 HP	115.0		345.1	1743	12.05	0.250	54.0	64.7		
0.20 112	115.0		350.9	1742	12.17	0.252	53.6	65.2		
12.2 OZ-FT	115.0		351.4	1742	12.20	0.253	53.7	65.2		
1725 RPM	115.0		403.0	1725	14.39	0.295	54.7	69.2		
16.4 OZ-FT	115.0 <b>115.0</b>		423.9 <b>447.9</b>	1719 <b>1713</b>	15.31 <b>16.40</b>	0.313 <b>0.334</b>	55.1 <b>55.7</b>	71.1 <b>73.0</b>		
16.4 02-F1	115.0		525.6	1697	19.49	0.394	55.9	77.1		
	115.0		615.5	1673	22.52	0.448	54.4	80.2		
	115.0		708.0	1644	25.02	0.490	51.6	81.8		
	115.0		799.8	1611	26.97	0.517	48.2	82.7		
	115.0 115.0		884.2 962.1	1575 1536	28.11 28.58	0.527 0.523	44.5 40.5	83.0 83.0		
BDT OZ-FT	115.0		1006.4	1510	28.69	0.516	38.2	82.7		
	115.0	10.876	1032.3	1494	28.29	0.503	36.3	82.5		
	115.0		1094.9	1448	27.73	0.478	32.6	81.9		
	115.0 115.0		1148.3 1195.7	1399 1347	26.76 25.43	0.446 0.408	29.0 25.5	81.3 80.6		
	115.0		1236.4	1293	23.75	0.366	22.1	79.8		
	115.0		1272.4	1233	21.91	0.322	18.9	79.1		
	115.0		1300.7	1170	19.96	0.278	15.9	78.2		
	115.0 115.0		1328.3 1347.0	1104 1032	18.02 15.92	0.237 0.196	13.3 10.8	77.6 76.8		
	115.0		1367.5	953	13.67	0.155	8.5	76.2		
	115.0	15.912	1383.9	872	11.77	0.122	6.6	75.6		
	115.0	16.185	1395.8	782	9.72	0.091	4.8	75.0		
	115.0 115.0	16.423 16.627	1406.0 1415.4	687 586	7.36 5.22	0.060 0.036	3.2 1.9	74.4 74.0		
	115.0		1420.2	479	3.64	0.021	1.1	73.6		
	115.0	16.889	1424.4	364	2.79	0.012	0.6	73.3		
	115.0		1426.3	244	-0.02	0.000	0.0	73.1		
	115.0 115.0		1427.8 1428.0	119 18	0.70 0.95	0.001	0.1	73.1 73.0		
									DRAWING NO.	PAGE 3 of 4
										6K403BG





#### **Wiring Diagram**



REV. 6K403BG CONNECTIONS RED LINE LINE ROTATION: C.CW. LEAD END, REV. TO REVERSE ROTATION INTERCHANGE RED & BLACK LEADS. PAGE 1 of 1 6K403BG

# Dayton PEDESTAL FAN MOTOR

HP: 1/4
VOLTS: 115
AMPS: 4.9
PH: 1

PH: 1 Disconnect Por Electrical Cor

Disconnect Power Before Making Any Electrical Connections or Changes

CONNECTIONS

ROTATION: C.CW. LEAD END, REV.

Part 6K403BG

FR: 48YZ INS CL: B

**AMB:** 40 °C **SFA:** 4.9

10 C .9 AVG. F.L.

EFF.

BLK —

RED



LINE



**RPM**: 1725

**SF**: 1.0

**DUTY: CONT** 

KVA CODE: R

ENCL: OAO

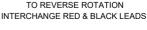


THERMALLY PROTECTED: AUTO

MTR REF: S55JXGWH-8493

MFG. NO. PROT. CODE: 00310





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

Made in Mexico