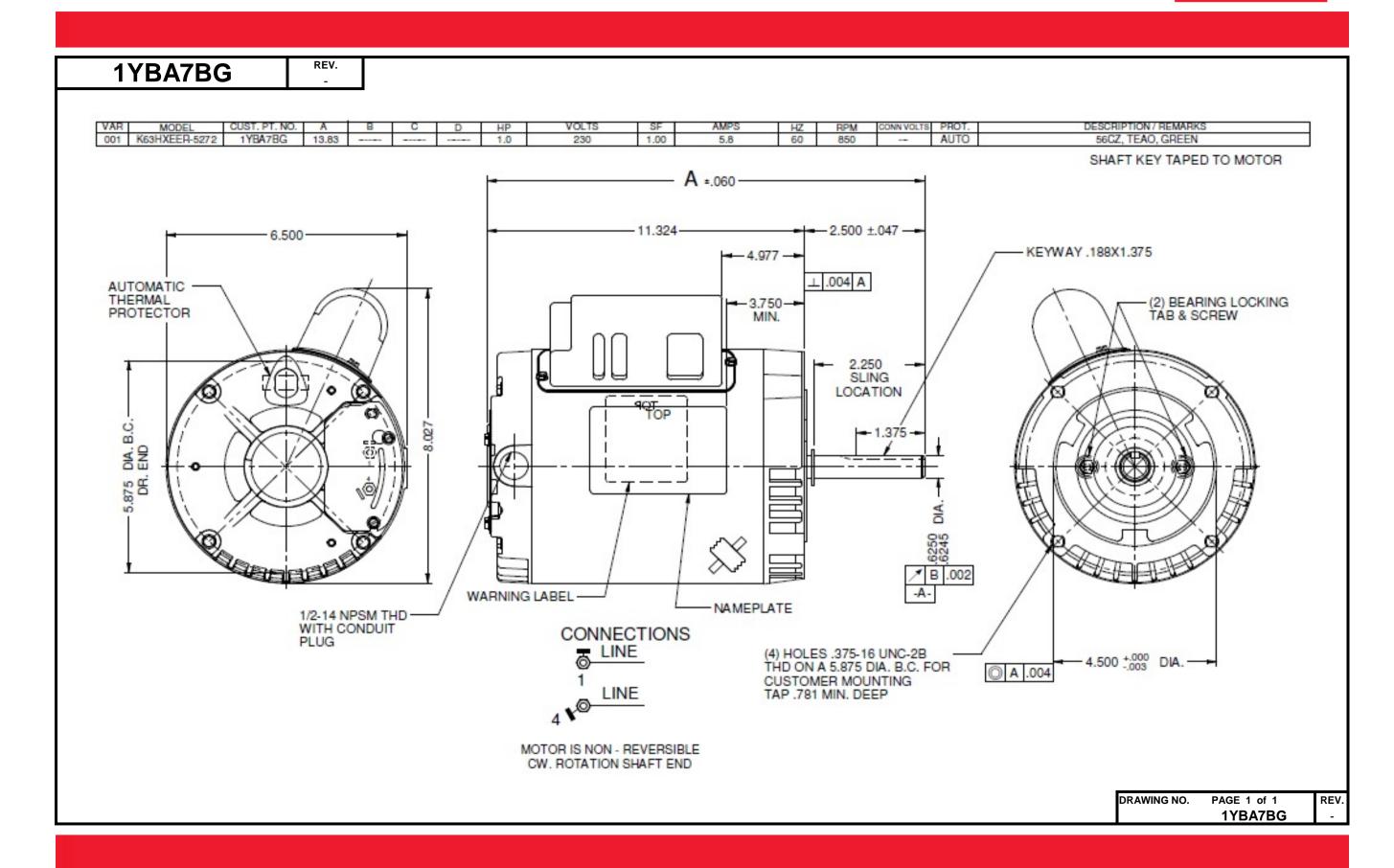
## **Dimensional Drawing**





### **Performance Data**



	MOT	SB BEDEO								
	MOTO	OR PERFOI	RMANCE	-						
HP:	1									
Poles:	8									
Ambient (°C)	40									
Altitude (FASL):										
No. of Speeds:	1					<del></del>				
Volts:	230	230			T					
HZ:	60	60								
Service Factor:	1									
Efficiency:	@ Rated Load									
Power Factor:	@ Rated Load						<b></b>			
Amps:	@ No Load						<b></b>			
	@ Rated Load	5								
	@ Service Factor	5			++		<del></del>			
DDM.	@ Locked Rotor	10.8			++	$\longrightarrow$	<del></del>			
RPM:	@ Rated Load Breakdown	852			++	$\longrightarrow$	<del></del>			
Torques:	Locked Rotor	146.3 23			+	$\longrightarrow$				
Oz.Ft. / Lb.ln.	Pull-Up	22.6			+	$\longrightarrow$				
(Circle One)	Rated Load	98.8			+	$\longrightarrow$				
	Service Factor	98.8			+					
Watts:	@ Rated Load	1068			+ +					
KVA Code:	G ) initial Edition	1000								
Temperature Rise:	@ Rated Load	N/A			T					
	@ Service Factor	N/A								
Thermal Protector:	Trip Temp (°C)	N/A					Ī			
Winding Material:	Start (Auxiliary)	CU			· · ·					
	Run (Main)	CU								
Capacitor(s):	Start (MFD / Volts)			N/A						
-	No. of Start Capacitors			- : 27/						
	Run (MFD / Volts)	25 / 370								
	No. of Run Capacitors	<u> </u>								
	REORMANCE DATA:									
HP:										
Poles:					<del></del>					
Volts:					++		<del></del>			
HZ:	O But all and	-			+	$\longrightarrow$	<del></del>			
Efficiency: Power Factor:	@ Rated Load @ Rated Load				+	$\longrightarrow$	<del></del>			
	@ No Load	+			+	$\longrightarrow$				
Amps:	@ Rated Load	+		<del></del>	+	$\longrightarrow$				
	@ Service Factor	+			+	$\longrightarrow$				
	@ Locked Rotor	+			+					
Torques:	Breakdown	+			+ +	$\overline{}$				
Oz.Ft. / Lb.In.	Locked Rotor	+			+ +		(			
	Pull-Up				+					
(Circle One)	Rated Load				+ + +		1			
	Service Factor				1		Ī			
Watts:	@ Rated Load						·			
Temperature Rise:	@ Rated Load						Ī			
•	@ Service Factor									

1YBA7BG

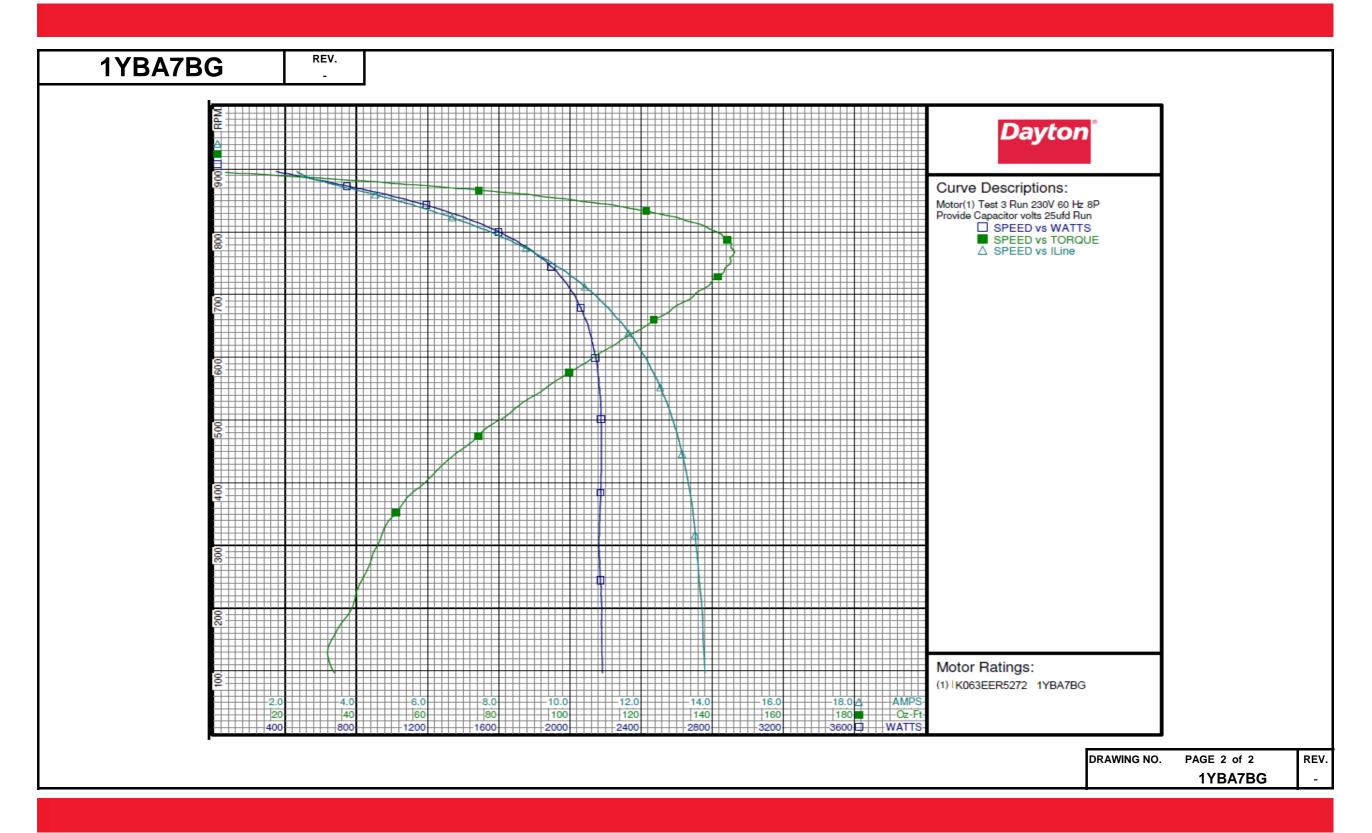
#### **Performance Data**



1YBA7BG	REV.													
				D	avton M	anufactui	ring Com	pany						
								1 3						
Motor Des	_	0 00170		T T	D	Test Con			25					
Model: Motor ID:	K063EER527	2 1YBA/B	G	Test Type: Test Numb			Run Cap Start Ca		0μfd					
Poles:	8			Poles:	8		Environ		ομια					
Volts:	230			Volts:	230		Tested:	ment.	9/2/2004 6:08	8:03 PM				
Frequency:	60			Hz:	60		Tested I	By:	Clausner, Chi					
HP:	1			Rotation:			Gear Ra		1:1					
Speed:	825					e Capacitor vo			-1.07 Oz-Ft					
Phase:	1			Speed Cor		D 6		e Torque	:-2.71 Oz-Ft					
Protector:				TestBoard	: Amtps	Performance	Fixture #3							
Special Points	Vline(V)	Vaux (V)	Vcap(V)	Iline(A)	Imain(A)	Iaux (A)	Watts	RPM		HP	Eff(%)	PF(%)	Cap	
	230.0 230.0	229.6 229.7	410.0 401.5	2.329 2.534	4.529 4.158	3.924 3.842	349 463	896 889	0.00 18.54	0.000	0.0 31.6	65.1 79.4	25.4 25.4	
	230.0	229.6	388.8	2.967	3.895	3.714	605	882	40.02	0.420	51.8	88.7	25.3	
	230.0 230.0	229.6 229.6	376.0 362.2	3.470 4.087	3.910 4.151	3.581 3.439	733 873	874 865	58.58 76.76	0.610 0.791	62.1 67.6	91.8 92.9	25.3 25.2	
	230.0	229.7	349.0	4.764	4.599	3.308	1020	855	93.36	0.951	69.5	93.1	25.1	
98.8 OZ-FT	230.0	229.6	344.7	4.990	4.774	3.266	1068	852	98.80	1.003	70.0	93.0	25.1	
1 HP 101.8 OZ-FT	230.0 230.0	229.6 229.6	344.9 342.4	4.979 5.116	4.765	3.268	1065 1095	853 850	98.52 101.80	1.000	70.0 70.2	93.0 93.0	25.1 25.1	
	230.0	229.7	336.4	5.436	5.138	3.187	1162	845	108.44	1.091	70.1	92.9	25.1	
112 OZ-FT	230.0 230.0	229.7 229.7	333.7 324.1	5.588 6.132	5.275 5.805	3.160 3.069	1193 1301	843 833	112.00 121.50	1.124 1.205	70.3 69.1	92.8 92.2	25.1 25.1	
	230.0	229.6	311.6	6.847	6.550	2.953	1436	819	131.98	1.287	66.8	91.2	25.1	
	230.0 230.0	229.7 229.6	300.2 290.2	7.552 8.205	7.328 8.084	2.849 2.758	1565 1675	804 789	139.26 143.65	1.334	63.6 60.1	90.1 88.7	25.2 25.2	
	230.0	229.8	281.4	8.833	8.830	2.681	1776	772	145.82	1.341	56.3	87.4	25.3	
BDT OZ-FT	230.0 230.0	229.8 229.8	279.8 273.5	8.965 9.408	8.990 9.544	2.666 2.610	1796 1863	768 754	146.31 145.33	1.338 1.304	55.6 52.2	87.1 86.1	25.3 25.3	
	230.0	229.7	268.2	9.945	10.205	2.561	1934	734	143.00	1.249	48.2	84.6	25.3	
	230.0	229.8	263.6	10.425	10.814	2.520	1993	712	138.53	1.175	44.0	83.1	25.4 25.4	
	230.0 230.0	229.8 229.8	260.0 258.0	10.868 11.255	11.378 11.883	2.489 2.469	2042 2078	690 667	132.85 126.24	1.091 1.002	39.9 36.0	81.7 80.3	25.4	
	230.0	229.9	256.7	11.619	12.359	2.457 2.451	2111	642	119.03	0.910	32.1	79.0	25.4 25.4	
	230.0 230.0	229.9 230.0	256.2 256.3	11.939 12.232	12.784 13.172	2.456	2132 2154	616 588	111.48 103.63	0.818 0.726	28.6 25.1	77.6 76.6	25.4	
	230.0	230.0	256.7		13.520	2.459	2164	560		0.636	21.9	75.3	25.4	
	230.0 230.0	230.0 229.9	257.3 258.3	12.723 12.927	13.836 14.124	2.465 2.473	2174 2177	529 494	86.85 78.41	0.546	18.8 15.8	74.3 73.2	25.4 25.4	
	230.0	230.0	259.5	13.109	14.379	2.480	2177	457	70.66	0.384	13.2	72.2	25.3	
	230.0 230.0	230.0 230.0	260.9 261.9	13.261 13.393	14.603 14.799	2.495 2.503	2176 2175	421 380	62.84 54.96	0.315	10.8	71.4 70.6	25.4 25.3	
	230.0	230.0	263.6	13.491	14.961	2.514	2167	337	48.79	0.196	6.7	69.8	25.3	
	230.0 230.0	230.0 230.1	265.7 269.3	13.562 13.636	15.080 15.206	2.536 2.568	2165 2173	292 245	45.11 41.56	0.157 0.121	5.4 4.2	69.4 69.3	25.3 25.3	
	230.0	230.0	272.4	13.725	15.336	2.597	2180	194	38.08	0.088	3.0	69.0	25.3	
	230.0	230.1	274.6	13.756	15.407	2.623	2180	140	32.17	0.054	1.8	68.9	25.3	
												DRAWING NO.	PAGE 1 of 2	REV
													1YBA7BG	-

#### **Performance Data**





# **Wiring Diagram**



REV. 1YBA7BG CONNECTIONS <u>LINÉ</u> LINE MOTOR IS NON - REVERSIBLE CW. ROTATION SHAFT END DRAWING NO. PAGE 1 of 1 REV. 1YBA7BG

# Dayton agricultural fan motor

**VOLTS: 230 AMPS: 58** 

**PH** 1

**RPM**: 850 **HZ**: 60 **DUTY: CONT** FR: 56CZ

SF: 1.00 INS CL: B AMB: 40 C KVA CODE: A

**ENCL: TFAO** SFA:

THERMALLY PROTECTED: AUTO

MFG. NO. PROT. CODE : 7A011

MTR REF: K63HXEER-5272





Part 1YBA7BG

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

CONNECTIONS

LINE

LINE

MOTOR IS NON - REVERSIBLE CW ROTATION SHAFT FND

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

AVG. F.L.

EEE