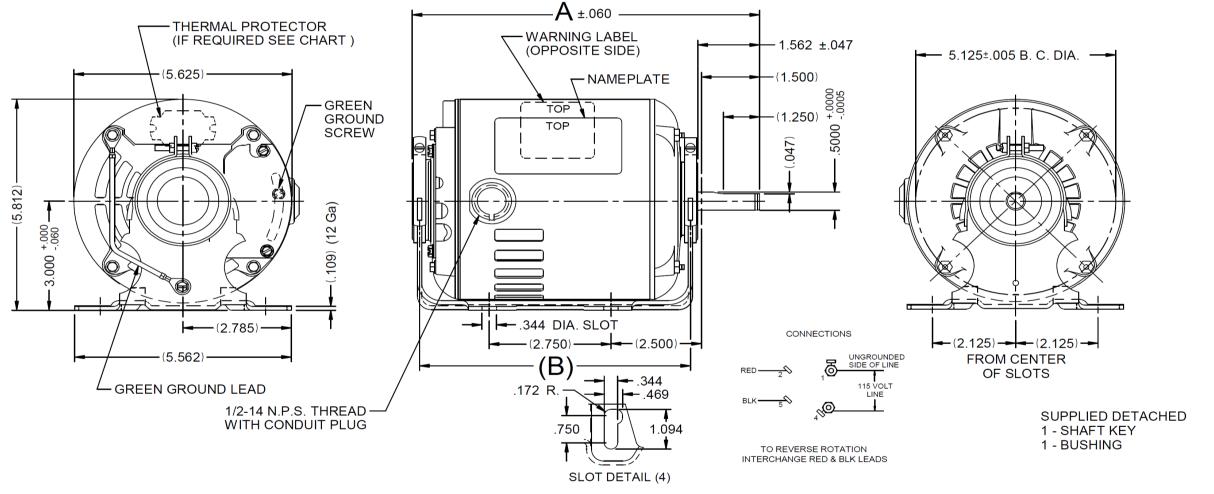
## **Dimensional Drawing**



3K772BG REV.

VAR	MODEL	CUST. PT. NO.	Α	В	С	D	HP	VOLTS	SF	AMPS	HZ	RPM	CONN VOLTS	PROT.	DESCRIPTION / REMARKS
001	S55JXSFC-8462	3K772BG	9.933	7.578			1/2	115	1.25	8.0	60	1725		AUTO	48, ODP, AUTO



ROTATION IS CCW SWITCH END, TO REVERSE ROTATION INTERCHAGE RED & BLACK LEADS.

DRAWING NO. PAGE 1 of 1 REV. 3K772BG -

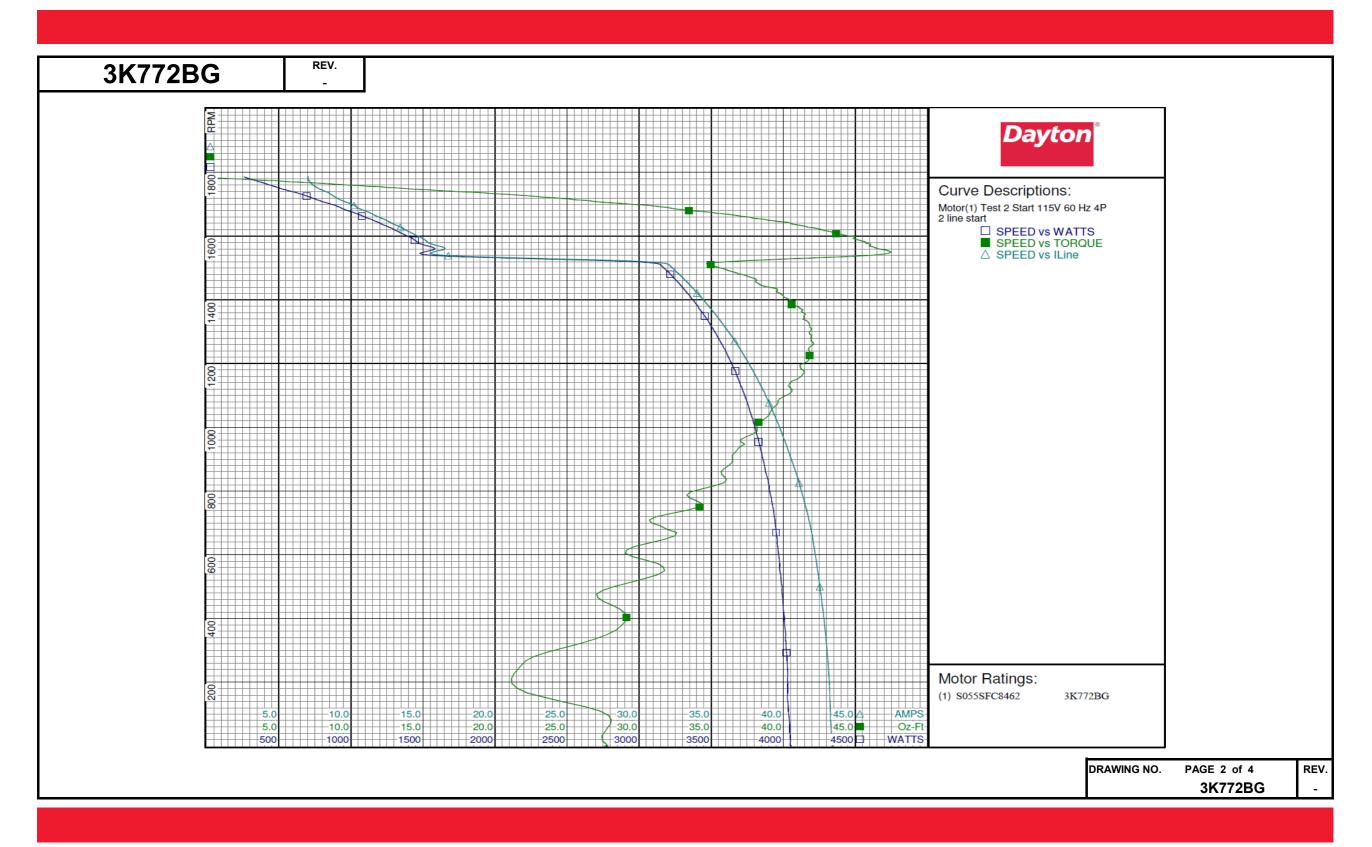


HP: Poles: Ambient (°C): Altitude (FASL): No. of Speeds: Volts: HZ: Service Factor: Efficiency: Power Factor: @ R: @ R: @ R: @ R: @ Service Factor:  Amps:  @ R:  Power Factor: Amps: @ R: @ R	ed Load vice Factor ed Load  L Rated Load Service Factor Temp (°C) t (Auxiliary)	115 60 50.3 70.7 9.1 10.1 48.3 27.6 21.1 24.3 30.4 736 L 60.6 65.6 127 Cu	43.4 1716			
Poles: Ambient (°C): Altitude (FASL): No. of Speeds: Volts: HZ: Service Factor: Efficiency: @ R: Power Factor: @ R: @ Ri @ Si @ Lock Pull-l Rate Serv Watts: Rate KVA Code: Temperature Rise: @ R: Winding Material: Start Run Capacitor(s): Start No. of Capacitor (Siciliary (Capacitor))  Ambiert (°C):  @ Ri @ R	4 40 115 60 1.25 Rated Load Rated Load Rated Load Rated Load Revice Factor cocked Rotor Rated Load akdown ked Rotor -Up ed Load vice Factor ed Load L Rated Load Service Factor Temp (°C) t (Auxiliary)	60 50.3 70.7 9.1 10.1 48.3 27.6 21.1 24.3 30.4 736 L 60.6 65.6 127				
Poles: Ambient (°C): Altitude (FASL): No. of Speeds: Volts: HZ: Service Factor: Efficiency: @ R: Power Factor: @ R: @ Ri @ Si @ Lock Pull-l Rate Serv Watts: Rate KVA Code: Temperature Rise: @ R: Winding Material: Start Run Capacitor(s): Start No. of Capacitor (Siciliary (Capacitor))  Ambiert (°C):  @ Ri @ R	4 40 115 60 1.25 Rated Load Rated Load Rated Load Rated Load Revice Factor cocked Rotor Rated Load akdown ked Rotor -Up ed Load vice Factor ed Load L Rated Load Service Factor Temp (°C) t (Auxiliary)	60 50.3 70.7 9.1 10.1 48.3 27.6 21.1 24.3 30.4 736 L 60.6 65.6 127				
Ambient (°C):  Altitude (FASL): No. of Speeds: Volts: HZ: Service Factor: Efficiency: Power Factor:  @ R: @ Sc @ Lo RPM: Torques:  RPM: Breat Lock Pull-I Rate Serv Watts: KVA Code: Temperature Rise: @ Sc Thermal Protector: Trip Winding Material: Start Run Capacitor(s): Start No. of Speeds:	1 115 60 1.25 Rated Load Rated Load Rated Load Reted Load Rete Load	60 50.3 70.7 9.1 10.1 48.3 27.6 21.1 24.3 30.4 736 L 60.6 65.6 127				
No. of Speeds:   Volts:   HZ:   Service Factor:   @ R:   Power Factor:   @ R:   & R:	1 115 60 1.25 Rated Load Rated Load Rated Load Reted Load Rete Load	60 50.3 70.7 9.1 10.1 48.3 27.6 21.1 24.3 30.4 736 L 60.6 65.6 127				
No. of Speeds:         Volts:           HZ:         Service Factor:           Efficiency:         @ R.           Power Factor:         @ R.           Amps:         @ N.           @ R.         @ So.           @ Lock         Pull-IR ate.           Rate.         Serv.           Watts:         Rate.           KVA Code:         Temperature Rise:         @ R.           Thermal Protector:         Trip.           Winding Material:         Start.           Run         Start.           No. o.         Start.	115 60 1.25 Rated Load Rated Load Roted Load Reted Load Rete Load	60 50.3 70.7 9.1 10.1 48.3 27.6 21.1 24.3 30.4 736 L 60.6 65.6 127				
Volts:         HZ:           Service Factor:         @ R.           Power Factor:         @ R.           Amps:         @ N.           @ R.         @ C.           @ Lock         @ Lock           Pull-I         Rate           Serv         Watts:         Rate           KVA Code:         Temperature Rise:         @ R.           Thermal Protector:         Trip           Winding Material:         Start           Run         Start           No. c         Start           No. c         Start           No. c         Start           No. c         Start	Atted Load Rated Load Rated Load Rated Load Rated Load Rervice Factor Rated Load Rated Load Revice Factor Rated Load Rated Load Red Rotor Red Load Red Rotor Red Load Red Load Red Load Red Load Red Load Red Load Reted Load Reted Load Reted Load Reted Load Reted Load Revice Factor Temp (°C) Temp (°C)	60 50.3 70.7 9.1 10.1 48.3 27.6 21.1 24.3 30.4 736 L 60.6 65.6 127				
Name	Atted Load Rated Load Rated Load Rated Load Rated Load Rervice Factor Rated Load Rated Load Revice Factor Rated Load Rated Load Red Rotor Red Load Red Rotor Red Load Red Load Red Load Red Load Red Load Red Load Reted Load Reted Load Reted Load Reted Load Reted Load Revice Factor Temp (°C) Temp (°C)	60 50.3 70.7 9.1 10.1 48.3 27.6 21.1 24.3 30.4 736 L 60.6 65.6 127				
Service Factor:   @ Ri     @ Ri	Rated Load Rated Load Ro Load Rated Load Reted Load Rete Load Rete Load Rete Load Rete Load Reted Load Rete Load	50.3 70.7 9.1 10.1 48.3 27.6 21.1 24.3 30.4 736 L 60.6 65.6 127				
Power Factor:	Rated Load No Load Rated Load Service Factor Cocked Rotor Rated Load Rakdown Red Rotor CUp Red Load Vice Factor Rated Load Vice Factor Rated Load Vice Factor Rated Load Vice Factor Rated Load Cated	70.7  9.1  10.1  48.3  27.6  21.1  24.3  30.4  736  L  60.6  65.6  127				
Power Factor:	Rated Load Bervice Factor Cocked Rotor Rated Load Bekdown Red Rotor Cup Bed Load Vice Factor Bed Load Vice Factor Factor Bed Load Cated Load Ca	9.1 10.1 48.3 27.6 21.1 24.3 30.4 736 L 60.6 65.6				
RPM:  RPM:  RPM:  OR  OR  Lock  Pull-I  Rate  Serv  Watts:  KVA Code:  Temperature Rise:  OR  OS  Thermal Protector:  Winding Material:  Capacitor(s):  Start  No. of	Rated Load Service Factor Socked Rotor Rated Load Akdown Red Rotor -Up Sed Load Vice Factor Sed Load L Rated Load Service Factor Temp (°C) t (Auxiliary)	10.1 48.3 27.6 21.1 24.3 30.4 736 L 60.6 65.6 127				
RPM:	Service Factor Locked Rotor Rated Load Rakdown Red Rotor Load Load Load Load Service Factor Temp (°C) t (Auxiliary)	10.1 48.3 27.6 21.1 24.3 30.4 736 L 60.6 65.6 127				
RPM:  Torques:  Breal Lock Pull-I Rate Serv Watts: Rate KVA Code: Temperature Rise:  Winding Material: Capacitor(s):  Start No. of	cocked Rotor Rated Load akdown ked Rotor -Up ed Load vice Factor ed Load L Rated Load Service Factor Temp (°C) t (Auxiliary)	48.3 27.6 21.1 24.3 30.4 736 L 60.6 65.6 127				
RPM:	Rated Load akdown ked Rotor -Up ed Load vice Factor ed Load  L Rated Load Service Factor Temp (°C) t (Auxiliary)	27.6 21.1 24.3 30.4 736 L 60.6 65.6 127				
Torques:  Breat Lock Pull-I Rate Serv Watts: Rate KVA Code: Temperature Rise: @ So Thermal Protector: Winding Material: Start Run Capacitor(s): Start No. c	akdown ked Rotor -Up ed Load vice Factor ed Load  L Rated Load Service Factor Temp (°C) t (Auxiliary)	27.6 21.1 24.3 30.4 736 L 60.6 65.6 127	1/16			
Watts: Rate Serv Watts: Rate Serv Watts: Temperature Rise:  © Serv  Thermal Protector: Winding Material: Capacitor(s): Start No. of	ked Rotor -Up ed Load vice Factor ed Load  L Rated Load Service Factor Temp (°C) t (Auxiliary)	27.6 21.1 24.3 30.4 736 L 60.6 65.6 127				
Watts: Rate Serv Watts: Rate KVA Code: Temperature Rise: @ Rate @ So Thermal Protector: Trip Winding Material: Start Run Capacitor(s): Start No. c	-Up ed Load vice Factor ed Load L Rated Load Service Factor Temp (°C) t (Auxiliary)	21.1 24.3 30.4 736 L 60.6 65.6 127				
Rate Serv Watts: Rate KVA Code: Temperature Rise: @ Ri @ So Thermal Protector: Trip Winding Material: Start Run Capacitor(s): Start No. c	ed Load vice Factor ed Load  L Rated Load Service Factor Temp (°C) t (Auxiliary)	24.3 30.4 736 L 60.6 65.6 127				
Watts: Rate KVA Code: Temperature Rise: @ R @ So Thermal Protector: Trip Winding Material: Start Run Capacitor(s): Start No. c	vice Factor ed Load L Rated Load Service Factor Temp (°C) t (Auxiliary)	30.4 736 L 60.6 65.6 127				
Watts: Rate  KVA Code:  Temperature Rise: @ Roman Rise: Record Rise: Run  Capacitor(s): Start  No. co	ed Load L Rated Load Service Factor Temp (°C) t (Auxiliary)	736 L 60.6 65.6 127				
KVA Code: Temperature Rise: @ Right Rise: @ Start Run  Capacitor(s): Start No. co	L Rated Load Service Factor Temp (°C) t (Auxiliary)	L 60.6 65.6 127				
Temperature Rise: @ Ri @ So Thermal Protector: Trip Start Run  Capacitor(s): Start No. co	Service Factor Temp (°C) t (Auxiliary)	65.6 127				
Thermal Protector: Trip Start Winding Material: Start Run Capacitor(s): Start No. c	Temp (°C) t (Auxiliary)	127				
Winding Material:  Run  Capacitor(s):  Start  No. c	t (Auxiliary)					
Run Capacitor(s): Start No. c		Cu				
Capacitor(s): Start						
No. o		Al				
	t (MFD / Volts)		NA			
I D	of Start Capacitors (MFD / Volts)		N.1.0			
	of Run Capacitors		NA			
		+ .	ı	I	I	I
LOW SPEED PERFORI	MANCE DATA:					
HP:						
Poles:			 			
Volts:						
HZ:						
	Rated Load	++				
	Rated Load	+		1	-	
	lo Load Rated Load	+				
	Rated Load Service Factor	+ +				-
	ocked Rotor	+ +				
	akDown	+ +				
	ked Rotor	+ +				
Pull-l		<del>                                     </del>				
	ed Load	† †				
Serv	vice Factor					
	Rated Load					
	Rated Load					
@ Se	Service Factor					



3K772BG	REV.										_
31(11200	-										
				Day	ton Mar	nufactu	ring Con	npany			
Motor Des	cription				7	Test Con	ditions				
Model:	S055SFC8462	3K772	2BG	Test Type:	Start		Run Ca	•	0		
Motor ID:	CAT 8200			Test Number			Start C		0μfd		
Poles:	4			Poles:	4		Enviro				
Volts:	115			Volts:	115		Tested:		9/9/2010 2:51:	40 PM	
Frequency:	60			Hz:	60		Tested	By:	Sharp, Gerald		
HP:	1/2			Rotation:			Gear R	atio:	1:1		
Speed:	1725			Special Cond	l: 2 line star	t	Bearing	g Friction:	-1.69 Oz-Ft		
Phase:	1			Speed Conn:					-5.77 Oz-Ft		
Protector:	20MAO6PF			TestBoard:		rformance	Fixture #3				
Special Points	Vline(V)	Iline(A)	Watts	RPM T	q(Oz-ft)	HP	Eff(%)	PF(%)			
	115.0	43.43	4055	0	27.61	0.000	0.0	81.2			
	115.0 115.0	43.35 43.22	4048 4028	23 152	27.42 23.41	0.007	0.1 0.8	81.2 81.0			
PUT OZ-FT	115.0	43.17	4028	211	21.13	0.053	1.0	81.1			
101 02 11	115.0	43.04	4022	294	23.62	0.083	1.5	81.3			
	115.0	42.74	4000	429	28.67	0.146	2.7	81.4			
	115.0	42.38	3976	549	31.76	0.208	3.9	81.6			
	115.0 115.0	42.00 41.49	3954 3924	659 759	32.49 34.35	0.255 0.311	4.8 5.9	81.8 82.2			
	115.0	40.91	3883	852	35.73	0.362	7.0	82.5			
	115.0	40.25	3839	938	36.97	0.413	8.0	82.9			
	115.0	39.58	3790	1017	38.30	0.463	9.1	83.3			
	115.0 115.0	38.87 38.13	3740 3682	1090 1157	39.75 41.17	0.516 0.567	10.3 11.5	83.7 84.0			
	115.0	37.35	3619	1220	41.87	0.608	12.5	84.3			
	115.0	36.54	3552	1277	41.93	0.637	13.4	84.5			
	115.0	35.71	3483	1329	41.75	0.660	14.1	84.8			
	115.0 115.0	34.86 34.02	3410 3333	1378 1421	41.04 39.73	0.673 0.672	14.7 15.0	85.1 85.2			
	115.0	33.17	3253	1462	38.14	0.664	15.2	85.3			
	115.0	32.32	3174	1499	35.70	0.637	15.0	85.4			
	115.0	18.71	1773	1535	44.05	0.805	33.9	82.4			
	115.0 115.0	16.05 14.74	1530 1401	1569 1598	45.94 45.02	0.858 0.856	41.8 45.6	82.9 82.7			
	115.0	13.66	1290	1623	42.47	0.820	47.4	82.2			
	115.0	12.54	1166	1647	39.39	0.772	49.4	80.9			
	115.0	11.45	1041	1670	35.72	0.710	50.9	79.1			
	115.0 115.0	10.45 9.46	926 788	1690 1710	31.92 26.59	0.642 0.541	51.7 51.2	77.0 72.5			
	115.0	8.66	667	1730	21.19	0.436	48.8	67.0			
	115.0	7.83	524	1747	14.28	0.297	42.3	58.2			
	115.0	7.24	400	1766	7.83	0.165	30.7	48.0			
	115.0 115.0	7.01 7.00	272 259	1783 1785	0.21	0.004	1.2	33.8 32.2			
										5105 4 4 4	_
									DRAWING NO.	PAGE 1 of 4	
										3K772BG	

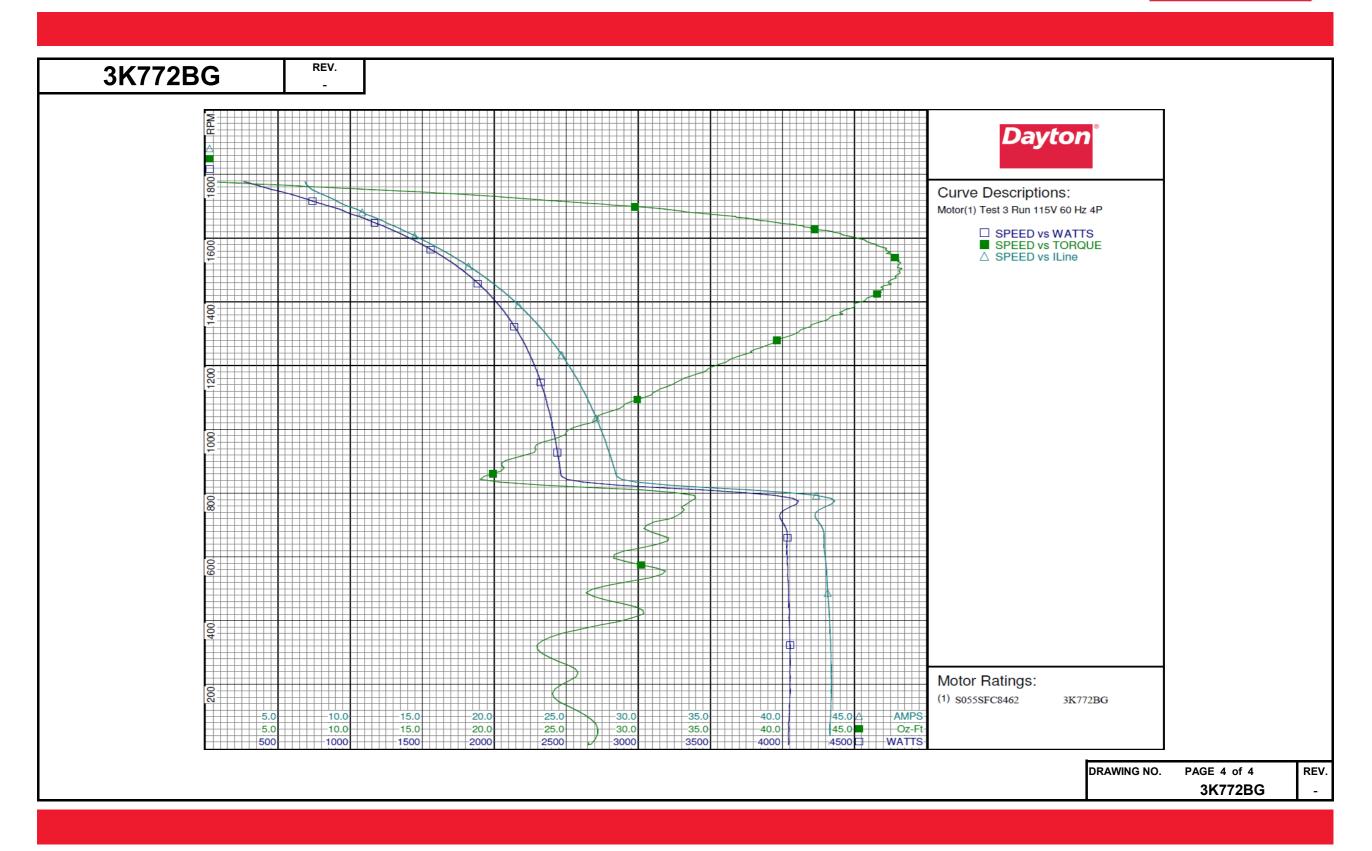






K772BG	REV.											
				De	vton Ma	nufactu	ring Cor	nnony				
				Dayton Manufacturing Company								
Motor Des				m . m	D	Test Con						
Model: Motor ID:	S055SFC8462 CAT 8200	2 3K77	2BG	Test Type: Test Numb			Run Ca		0			
Poles:	4			Poles:	er: 3 4		Start C Enviro		0μfd			
Volts:	115			Volts:	115		Tested		9/9/2010 2:50:47	DM		
Frequency:	60			Hz:	60		Tested		Sharp, Gerald	FIVI		
HP:	1/2			Rotation:	00		Gear R		1:1			
Speed:	1725			Special Con	nd:				: -1.51 Oz-Ft			
Phase:	1			Speed Con					: -4.92 Oz-Ft			
Protector:	20MAO6PF			TestBoard:		erformance		ge Torque	4.92 OZ-11			
Comments:	1											
Special Points	Vline(V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)				
_	115.0	6.87	261	1777	0.00	0.000	0.0	33.1				
	115.0 115.0	7.20 8.06	420 588	1757 1737	9.24 17.73	0.193 0.367	34.3 46.5	50.7 63.5				
1725 RPM	115.0	8.66	677	1725	21.62	0.444	48.9	67.9				
24.3 OZ-FT	115.0	9.05	736	1716	24.30	0.496	50.3	70.7				
0.5 HP	115.0	9.07	739	1716	24.48	0.500	50.5	70.9				
30.4 OZ-FT	115.0 <b>115.0</b>	9.08 <b>10.06</b>	741 <b>882</b>	1716 <b>1696</b>	24.58 <b>30.40</b>	0.502 <b>0.614</b>	50.6 <b>51.9</b>	70.9 <b>76.2</b>				
30.4 02-21	115.0	10.18	896	1694	30.99	0.625	52.0	76.6				
	115.0	11.25	1029	1672	35.64	0.710	51.4	79.6				
	115.0 115.0	12.51 13.73	1170 1302	1648 1623	39.69 43.11	0.779 0.833	49.6 47.7	81.4 82.4				
	115.0	14.96	1430	1596	45.56	0.865	45.2	83.1				
	115.0	16.28	1560	1564	47.14	0.878	42.0	83.3				
BDT OZ-FT	115.0 <b>115.0</b>	17.49 <b>18.48</b>	1673 <b>1763</b>	1533 <b>1505</b>	48.02 <b>48.29</b>	0.876 <b>0.865</b>	39.1 <b>36.6</b>	83.2 <b>83.0</b>				
BDI OZ-FI	115.0	18.72	1786	1496	48.09	0.857	35.8	82.9				
	115.0	19.89	1887	1458	47.40	0.823	32.5	82.5				
	115.0	21.04	1979	1416	46.16	0.778	29.3	81.8				
	115.0 115.0	22.12 23.15	2065 2140	1371 1322	44.19 41.99	0.721 0.661	26.1 23.0	81.2 80.4				
	115.0	24.12	2209	1268	39.23	0.592	20.0	79.6				
	115.0	25.03	2269	1210	36.04	0.519	17.1	78.8				
	115.0 115.0	25.87 26.64	2322 2365	1148 1079	32.63 29.07	0.446	14.3 11.8	78.0 77.2				
	115.0	27.34	2405	1006	25.50	0.305	9.5	76.5				
	115.0	27.97	2438	927	22.76	0.251	7.7	75.8				
	115.0 115.0	28.83 42.95	2506 4054	843 756	19.02 32.98	0.191 0.297	5.7 5.5	75.6 82.1				
	115.0	42.89	4034	660	32.08	0.252	4.7	81.8				
	115.0	43.06	4037	555	31.89	0.211	3.9	81.5				
	115.0 115.0	43.21 43.35	4044 4052	443 323	29.83 22.96	0.157 0.088	2.9 1.6	81.4 81.3				
	115.0	43.38	4052	199	24.64	0.058	1.1	81.2				
	115.0	43.31	4044	60	27.17	0.019	0.4	81.2				
									DRAWING NO. PAG	E 3 of		
									3	K772E		



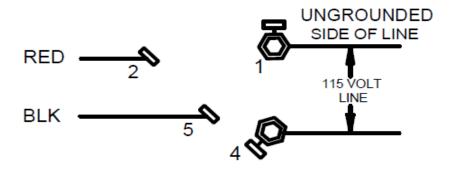


#### **Wiring Diagram**



3K772BG REV. .

#### CONNECTIONS



ROTATION CCW LE TO REVERSE ROTATION INTERCHANGE RED & BLK LEADS

DRAWING NO. PAGE 1 of 1 RE 3K772BG -

# **Dayton**®

#### **BELT DRIVE FAN & BLOWER MOTOR**



Part 3K772BG

**VOLTS: 115 AMPS**: 8.0 **RPM**: 1725

**HP**: 1/2

SF: 1.25

PH: 1 **HZ**: 60 Disconnect Power Before Making Any

**DUTY: CONT FR**: 48 INS CL: B KVA CODE: K

**AMB**: 40 °C

AVG. F.L.

EFF.

**SFA**: 9.0

RED

BLK

**Electrical Connections or Changes** 

CONNECTIONS

MTR REF: S55JXSFC-8462

E37403

ENCL: ODP



THERMALLY PROTECTED: AUTO

MFG. NO. PROT. CODE: 04030

UNGROUNDED SIDE OF LINE

ROTATION CCW LE TO REVERSE ROTATION INTERCHANGE RED & BLK LEADS

115 VOLT

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

Made in Mexico