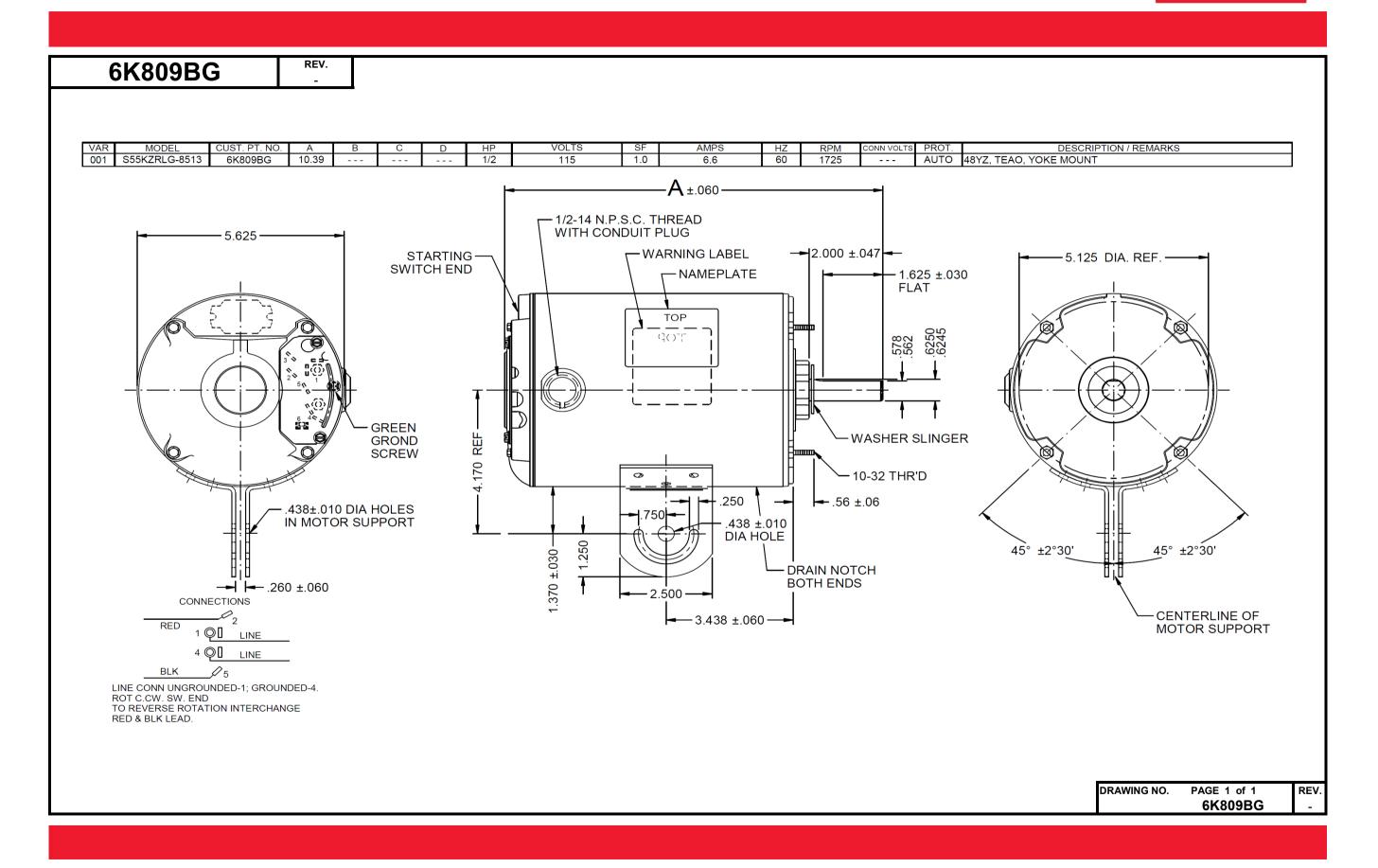
## **Dimensional Drawing**





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



Ambient (°C)         40           No. of Speeds:         1           Volts:         115         115           Volts:         115         116           Service Factor:         1         1           Power Factor:         Q Rated Load         67.4           Power Factor:         Q Rated Load         67.4           Q Service Factor         Q Rated Load         67.4           Q Service Factor         Q Rated Load         62.5           Q Rated Load         62.2         1           Q Service Factor         Q Rated Load         77.4           Q Rated Load         62.2         1           Q Service Factor         Q Rated Load         1713           Cricic One)         Pull-Up         23.8         1           (Cricic One)         Pull-Up         23.8         1           Watts:         Q Rated Load         554         1           WVA Code:         K         K         1           Q Service Factor         1         1         1           Winding Material:         Start Micro-Farads Rating         N/A           Curvic One):         Thermal Protector:         Trip Temp (°C)         1           Winding Mat	6K809B0	G REV.									
Poles:         4           Ambient (°C)         40           Attitude (rsst):         1           No. of Speeds:         1           Volts:         115         115           Watter (C)         60         60           Service Factor:         1         7           Efficiency:         @ Rated Load         67.4           Power Factor:         @ Rated Load         77.4           Amps:         @ No Load         7.4           @ Rated Load         77.4         1           Amps:         @ Rated Load         77.4           @ Locked Rotor         38         1           Torques:         Brated Load         74.9           Do.Ft. (Lb.In.         Puil-Up         23.8         1           Circle One)         Rated Load         24.5         1           Watts:         @ Rated Load         554         1           KVA Code:         K         K         1           Torperset:         Service Factor         1         1           Thermal Protector:         Tor Temp (°C)         1         1           Watts:         Ge Rated Load         TEAO         1           Capacitor(s):	SPL	IT-PHASE & CAPAC		TART	IOTOR	PERFO	ORMAN	CE			
Poles:         4           Ambient (°C)         40           Attitude (rss.):         1           No. of Speeds:         1           Volts:         115         115           Valts:         60         60           Bervice Factor:         1         7           Efficiency:         @ Rated Load         67.4           Power Factor:         @ Rated Load         77.4           Amps:         @ No Load         7.4           @ Locked Rotor         38         10           @ Locked Rotor         38         10           Torques:         Brated Load         713           @ Rated Load         74.9         10           Oz.Ft. (Lb.In.         Puil-Up         23.8           Rated Load         24.2         10           Watts:         @ Rated Load         554           Watts:         @ Rated Load         554           Watts:         @ Rated Load         10           Timern 2°C)         10         10           Winding Material:         Start Auxiliary)         Cu           Run (Main)         Cu         10           Capacitor(s):         Start Micro-Farads Rating         N/A <th>LD.</th> <th>1/2</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	LD.	1/2									
Ambient (*C)         40           Altitude (rssu):         1           No. of Speeds:         1           Volts:         115         115           Service Factor:         1         60         60           Service Factor:         (Rated Load)         67.7         1           Power Factor:         (Rated Load)         67.7         1           Amps:         (Rated Load)         67.4         1           Quistice Factor:         (Rated Load)         67.4         1           Quistice Factor:         (Rated Load)         67.4         1           Quistice Factor         (Rated Load)         171.3         1         1           Oz.Ft. / Lb.In.         Locked Rotor         24.2         1         1           (cricie One)         Pull-Up         23.8         1         1           (cricie One)         Pull-Up         23.8         1         1           (Watts:         @ Rated Load         554.4         1         1           (Watts:         @ Rated Load         554.4         1         1           (Watts:         @ Rated Load         1         1         1         1           (Main)         Cu											
Atilitude (rss.):       1         No. of Speeds:       1         Volts:       115       115         HZ:       60       60         Service Factor:       0       1         Efficiency:       @ Rated Load       67.4         Power Factor:       @ Rated Load       77.4         Amps:       @ Nated Load       6.2         @ Rated Load       6.2											
No. of Speeds:         1           Volts:         115         115         115           Volts:         115         115         1           Service Factor:         1         60         60           Service Factor:         0         1         1           Power Factor:         @ Rated Load         67.4         1           Power Factor:         @ Rated Load         67.4         1           Power Factor:         @ Rated Load         6.2         1           @ Service Factor         0         1         1         1           @ Rated Load         77.4         1         1         1           @ Rated Load         6.2         1         1         1           @ Rated Load         713         1         1         1           Or.F. / Lb.In.         Locked Rotor         24.2         1         1           (Gride One)         Pull-Up         23.8         1         1           Watts:         @ Rated Load         554         1         1           Watts:         @ Rated Load         554         1         1           Watts:         @ Rated Load         TEAO         1 <th1< th=""></th1<>											
Volts:         115         115         116         I           HZ:         60         60         I         I         I           Service Factor:         0         Rated Load         67.4         I         I           Power Factor:         0         Rated Load         67.4         I         I           Amps:         @ Rated Load         67.4         I         I         I           @ Rated Load         6.2         I		1									
H2:         60         60         I           Service Factor:         0         0         0         0           Power Factor:         0         Rated Load         77.4         0         0           Power Factor:         0         Rated Load         77.4         0         0           @ Service Factor         0         0         0         0         0         0           @ Rated Load         1713         0	-	115	115								
Efficiency:         @ Rated Load         67.4         Image: Constraint of the second		60									
Power Factor:         @ Rated Load         77.4         Image: Constraint of the second of t	Service Factor:	1									
Amps:         @ No Load              @ Rated Load         6.2	Efficiency:	@ Rated Load	67.4								
Image: Construct of the second seco		@ Rated Load	77.4								
Image: Service Factor         Image: Service Factor         Image: Service Factor         Image: Service Factor           RPM:         @ Rated Load         1713         Image: Service Factor         Image: Service Factor         Image: Service Factor           Oz, Ft. / Lb.In.         Cocked Rolor         24.2         Image: Service Factor         Image: Service Factor         Image: Service Factor           Watts:         @ Rated Load         554         Image: Service Factor         Image: Service	Amps:	<b>v</b>									
Image: Constraint of the second sec		0	6.2								
RPM:         @ Rated Load         1713											
Torques:         Breakdown         42.9         Image: Constraint of the service factor           (c)rice One)         Pull-Up         23.8         Image: Constraint of the service factor         Image: Constraint of the service factor           Watts:         @ Rated Load         24.5         Image: Constraint of the service factor         Image: Constraint of the service factor           Watts:         @ Rated Load         TEAO         Image: Constraint of the service factor         Image: Constraint of the service factor           Temperature Rise:         @ Rated Load         TEAO         Image: Constraint of the service factor           Winding Material:         Start (Auxiliary)         Cu         Image: Constraint of the service factor           Gapacitor(s):         Start Moro-Farads Rating         N/A           Start Voltage Rating         N/A           Run Micro-Farads Rating         N/A           Run Micro-Farads Rating         N/A           Run Voltage Rating         N/A           Run Voltage Rating         N/A           Run Voltage Rating         N/A           Run Voltage Rating         N/A           Poles:         Voltage           Volts:         Image: Constraint of the service factor           Image: Constraint of the service factor         Image: Constraint of the service	DDM	<b>V</b>									
Oz.Ft. / Lb.In. (Circle One)         Locked Rotor         24.2         Image: Constraint of the second sec		0									
Occure         Pull-Up         23.8         Image: Constraint of the second se	•						<u> </u>				
Rated Load         24.5         Image: Service Factor           Watts:         @ Rated Load         554         Image: Service Factor           Watts:         @ Rated Load         554         Image: Service Factor         Image: Service Factor           Temperature Rise:         @ Rated Load         TEAO         Image: Service Factor         Image: Service Factor         Image: Service Factor           Thermal Protector:         Trip Temp (°C)         Image: Service Factor         Image: Service Factor         Image: Service Factor           Winding Material:         Start Micro-Farads Rating         N/A         Image: Service Factor         Image: Service Factor           Capacitor(s):         Start Voltage Rating         Image: Service Factor         Image: Service Factor         Image: Service Factor           No. of Run Capacitors         0         Image: Service Factor         Image: Service Factor         Image: Service Factor           Volts:         Image: Service Factor           @ Rated Load         Image: Service Factor         Image: S	Oz.Ft. / Lb.In.										
Service Factor         Service Factor         Service Factor           Watts:         @ Rated Load         554         Service Factor           Temperature Rise:         @ Rated Load         TEAO         Service Factor           @ Service Factor         Service Factor         Service Factor         Service Factor           Winding Material:         Start (Auxiliary)         Cu         Service Factor         Service Factor           Capacitor(s):         Start Micro-Farads Rating         N/A         Service Factor         Service Factor           Run Micro-Farads Rating         N/A         Service Factor         O         Service Factor           No. of Start Capacitors         O         O         Micro-Farads Rating         N/A           Run Norlage Rating         N/A         Service Factor         O         Service Factor           Poles:         O         O         Service Factor         O         Service Factor           Volts:         Service Factor         Service Factor         Service Factor         Service Factor         Service Factor           @ No Load         Service Factor         Service Factor         Service Factor         Service Factor         Service Factor           @ Locked Rotor         Service Factor         Service Factor	(Circle One)										
Watts:         @ Rated Load         554         Image: State of the stat			24.5								
KVA Code:         K         K         K         Image: Market Load         TEAO           Temperature Rise:         @ Rated Load         TEAO         Image: Additional state of the st	Watts:		554								
Temperature Rise:         @ Rated Load         TEAO         Image: Constraint of the second											
Image: Protector:         Trip Temp (°C)         Image: Protector:         Trip Temp (°C)         Image: Protector:         Protector:         Trip Temp (°C)         Image: Protector:											
Winding Material:         Start (Auxiliary)         Cu         Image: Cu											
Run (Main)         Cu         Name           Capacitor(s):         Start Micro-Farads Rating         N/A           Start Voltage Rating         N/A           No. of Start Capacitors         0           Run Micro-Farads Rating         N/A           Run Micro-Farads Rating         N/A           Run Voltage Rating         N/A           Run Voltage Rating         N/A           No. of Run Capacitors         0           LOW SPEED PERFORMANCE DATA:           HP:	Thermal Protector:	Trip Temp (°C)									
Start Micro-Farads Rating         N/A           Start Voltage Rating         0           No. of Start Capacitors         0           Run Micro-Farads Rating         N/A           Run Micro-Farads Rating         N/A           Run Woltage Rating         N/A           Run Voltage Rating         0           No. of Run Capacitors         0           LOW SPEED PERFORMANCE DATA:         0           HP:	Winding Material:		Cu								
Start Voltage Rating       0         No. of Start Capacitors       0         Run Micro-Farads Rating       N/A         Run Voltage Rating       0         No. of Run Capacitors       0         Colspan="2">O         LOW SPEED PERFORMANCE DATA:         HP:       0         Poles:       0         Volts:       0         HZ:       0         Efficiency:       @ Rated Load         Power Factor:       @ Rated Load         @ No Load       0         @ Rated Load       0         @ Locked Rotor       0         Oz.Ft. / Lb.In.       1         (Circle One)       1       0         Rated Load       0       0         Service Factor       0       0         Watts:       @ Rated Load       0         @ Rated Load       0       0         @ Rated Load       0       0         @ Rat	-		Cu								
No. of Start Capacitors         0           Run Micro-Farads Rating         N/A           Run Voltage Rating         N/A           Run Voltage Rating         0           No. of Run Capacitors         0           LOW SPEED PERFORMANCE DATA:           HP:         Poles:           Volts:            HZ:            Volts:            HZ:            @ Rated Load            Power Factor:         @ Rated Load           @ No Load            @ No Load            @ Rated Load            @ Service Factor            @ Cocked Rotor            Torques:         Breakdown           Oz.Ft. / Lb.In.         Locked Rotor           Pull-Up            Rated Load            Service Factor            @ Rated Load            @ Rated Load            @ Circle One)         @ Rated Load           @ Rated Load            @ Rated Load            @ Rated Load            @ Rated Loa	Capacitor(s):					N/A					
Run Micro-Farads Rating       N/A         Run Voltage Rating       0         No. of Run Capacitors       0         LOW SPEED PERFORMANCE DATA:         HP:       0         Poles:       0         Volts:       0         Image: Stress of the str											
Run Voltage Rating No. of Run Capacitors         0           LOW SPEED PERFORMANCE DATA: HP: Poles: Volts:           HP: Poles:											
No. of Run Capacitors         0           LOW SPEED PERFORMANCE DATA:         Image: Comparison of the system of the			N/A								
LOW SPEED PERFORMANCE DATA:           HP:											
HP:						0					
Poles:         Image: Control of the second sec		FORMANCE DATA:	-								
Volts:       Image: Constraint of the second s											
HZ:Image: Constraint of the second secon					<b></b>				1		
Efficiency:       @ Rated Load       Image: Constraint of the second sec											
Power Factor:       @ Rated Load		@ Rated Lood									
Amps:@ No LoadImage: Constraint of the second					+	+					
@ Rated Load       Image: Construct and the second and t											
@ Service FactorImage: Cocked RotorImage: Cocked RotorImage: Cocked RotorImage: Cocked RotorOz.Ft. / Lb.In. (Circle One)Locked RotorImage: Cocked RotorImage: Cocked RotorImage: Cocked RotorPull-Up Rated LoadImage: Cocked RotorImage: Cocked RotorImage: Cocked RotorImage: Cocked RotorWatts:@ Rated LoadImage: Cocked RotorImage: Cocked RotorImage: Cocked RotorImage: Cocked RotorWatts:@ Rated LoadImage: Cocked RotorImage: Cocked RotorImage: Cocked RotorImage: Cocked RotorWatts:@ Rated LoadImage: Cocked RotorImage: Cocked RotorImage: Cocked RotorImage: Cocked RotorWatts:@ Rated LoadImage: Cocked RotorImage: C	Zuiha.	0				1					
@ Locked RotorImage: Cocked Rotor		<u> </u>				1					
Torques: Oz.Ft. / Lb.In. (Circle One)BreakdownImage: Construct of the second se		Ŭ			1	1	1				
Oz.Ft. / Lb.In. (Circle One)Locked RotorImage: Construct of the second secon	Torques:										
Pull-UpImage: Circle One)Pull-UpImage: Circle ConcentImage: Circle Concent	-										
Rated Load       Image: Constraint of the second seco		Pull-Up									
Watts:       @ Rated Load       Image: Control of the sector       Image: Control of the sector         Temperature Rise:       @ Rated Load       Image: Control of the sector       Image: Control of the sector         @ Service Factor       Image: Control of the sector       Image: Control of the sector       Image: Control of the sector											
Temperature Rise:       @ Rated Load											
@ Service Factor											
	Temperature Rise:				ļ	<b> </b>	ļ		ļ		
		@ Service Factor									
DRAWING NO. PAGE 1 of 1								DRAWING NO. P	AGE 1 of 1		

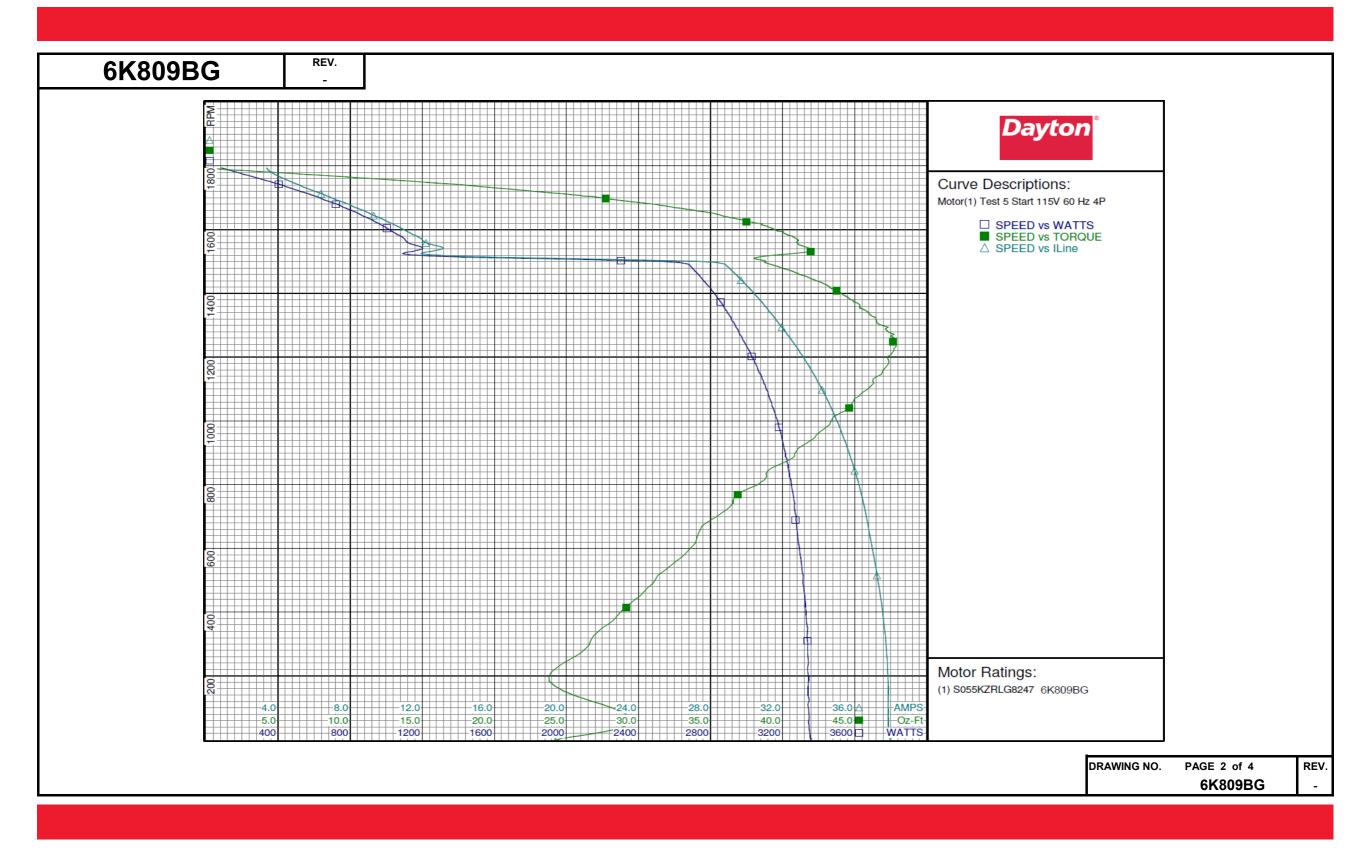
## Dayton Electric Mfg. Co. Lake Forest, IL 60045 USA



K809BG	REV. -												
Dayton Manufacturing Company													
Motor Des													
Model:	S055KZRLC	G8247 6K8	309BG	Test Type:	Start	1000 000	Run Ca	ap:	0				
Motor ID:	1 of 2			Test Numb			Start C	•	Oµfd				
Poles:	4			Poles:	4		Enviro		opila				
Volts:	115			Volts:	115		Tested		8/20/2010 10:40	)·58 AM			
Frequency:	60			Hz:	60		Tested		Sharp, Gerald				
HP:	1/2			Rotation:	00		Gear R		1:1				
Speed:	1725			Special Con	nd		Bearing Friction:						
Phase:	1			Speed Con					: -2.17 Oz-Ft				
Protector:	MEJ26BY			TestBoard:		erformance		ge rorque	. 2.17 02.10				
Special Points	Vline(V)	Iline(A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)					
-	115.0	38.01	3357	1	24.24	0.000	0.0	76.8					
	115.0 115.0	37.88 37.87	3351 3342	22 153	27.33 24.77	0.007	0.2	76.9 76.7					
PUT OZ-FT	<b>115.0</b>	37.84	3342 3343	153 197	23.78	0.045	1.2	76.8					
	115.0	37.74	3340	296	26.57	0.094	2.1	77.0					
	115.0	37.49	3327	428	29.45	0.150	3.4	77.2					
	115.0 115.0	37.14 36.78	3305 3280	550 659	32.35 34.29	0.212 0.269	4.8	77.4 77.5					
	115.0	36.41	3261	760	36.65	0.332	7.6	77.9					
	115.0	35.94	3230	853	39.27	0.399	9.2	78.1					
	115.0 115.0	35.44 34.87	3199 3160	939 1018	41.97 43.75	0.469 0.530	10.9 12.5	78.5 78.8					
	115.0	34.26	3118	1091	45.60	0.592	14.2	79.2					
	115.0	33.60	3064	1158	46.95	0.647	15.8	79.3					
	115.0 115.0	32.90 32.18	3014 2957	1221 1277	47.72 47.37	0.694 0.720	17.2	79.7 79.9					
	115.0	31.46	2905	1330	46.13	0.730	18.8	80.3					
	115.0	30.76	2849	1378	44.87	0.736	19.3	80.6					
	115.0	30.05	2790	1422	43.21	0.731 0.715	19.6 19.6	80.7 80.8					
	115.0 115.0	29.35 27.21	2726 2511	1462 1501	41.05 38.83	0.694	20.6	80.8					
	115.0	12.86	1179	1536	42.04	0.769	48.6	79.7					
	115.0	12.00	1105	1568	41.08	0.767	51.8	80.1					
	115.0 115.0	11.10 10.14	1028 943	1596 1623	39.62 37.89	0.753	54.6 57.9	80.5 80.9					
	115.0	9.22	858	1647	35.61	0.698	60.7	81.0					
	115.0	8.29	766	1669	32.52	0.646	62.9	80.4					
	115.0 115.0	7.33	666 574	1691 1712	28.75 24.95	0.579	64.9 66.1	79.0 77.0					
	115.0	5.57	471	1730	20.36	0.419	66.4	73.5					
	115.0	4.81	371	1748	15.40	0.320	64.5	67.0					
	115.0 115.0	4.04 3.47	251 132	1767 1786	9.13 2.35	0.192	57.0 28.3	54.2 33.0					
	115.0	3.36	84	1794	0.00	0.000	0.0	21.8					
									DRAWING NO.	PAGE 1 o			
										6K809			

## **Performance Data**



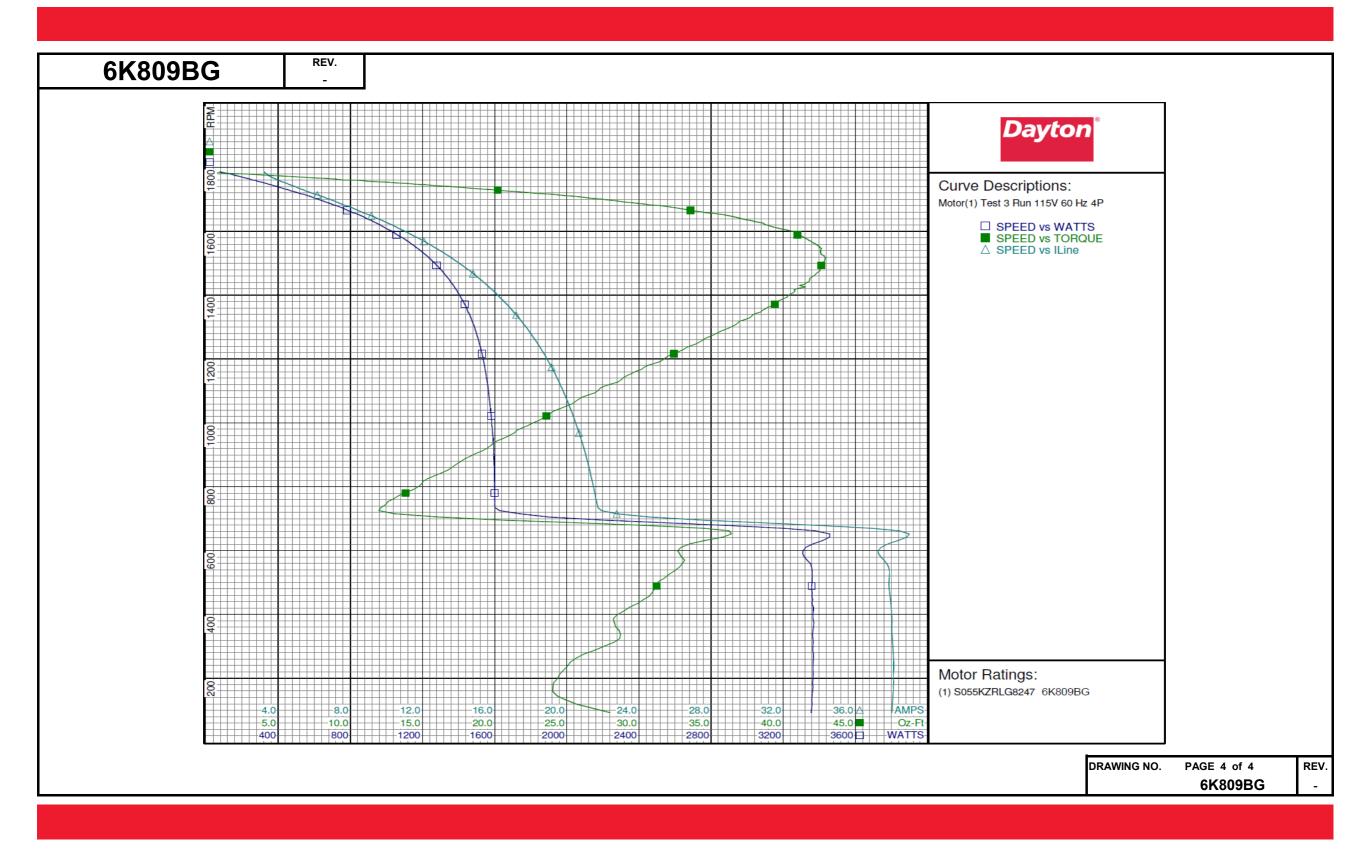




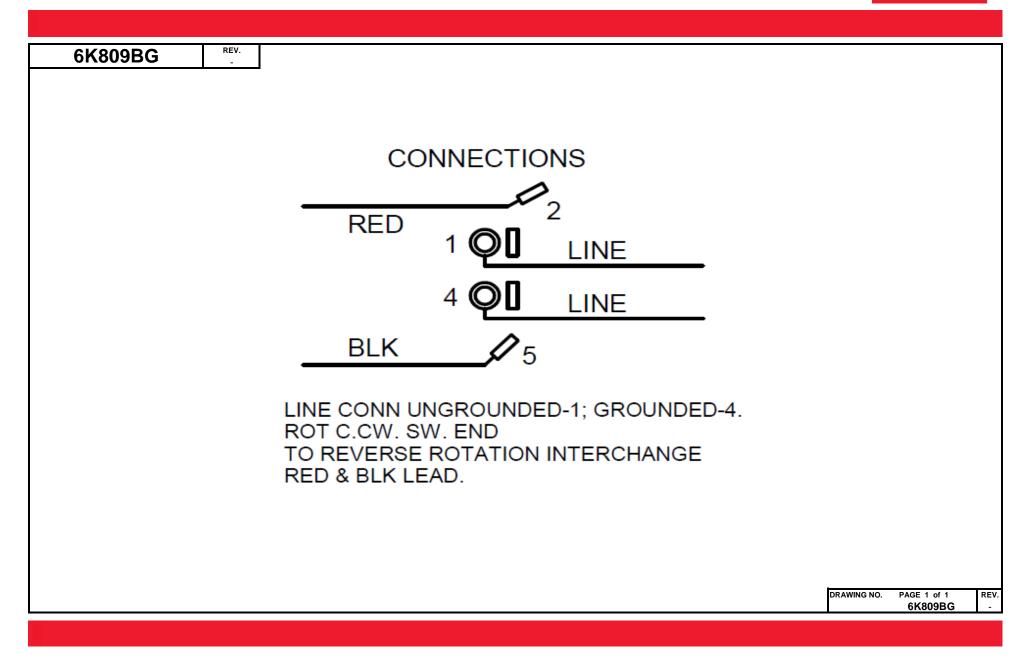
6K809BG	REV.											
				Da	yton Ma	nufactu	ring Cor	npany				
Motor Des	cription			Test Conditions								
Model:	S055KZRLC	G8247 6K8	09BG	Test Type:	Run		Run Ca	ap:	0			
Motor ID:	1 of 2			Test Numb			Start C	-	0µfd			
Poles:	4			Poles:	4		Enviro		•			
Volts:	115			Volts:	115		Tested		8/20/2010 10:39	:50 AM		
Frequency:	60			Hz:	60		Tested		Sharp, Gerald			
HP:	1/2			Rotation:			Gear R		1:1			
Speed:	1725			Special Co	nd:				-0.54 Oz-Ft			
Phase:	1			Speed Con					: -2.26 Oz-Ft			
Protector:	MEJ26BY			TestBoard:		erformance		5 1				
Special Points	Vline(V)	Iline(A)	Watts		Tq(Oz-ft)	HP	Eff(%)	PF(%)				
	115.0 115.0	3.22 3.71	76 215	1787 1767	0.00 7.40	0.000	0.0	20.4 50.4				
	115.0	4.57	347	1747	14.55	0.303	65.0	66.1				
0.333 HP	115.0	4.80	378	1742	16.07	0.333	65.8	68.5				
1725 RPM	115.0	5.53 5.58	473 480	1726 1725	20.86	0.428 0.434	67.5 67.5	74.5 74.7				
24.3 OZ-FT	115.0 115.0	6.17	549	1714	21.14 24.30	0.434	67.4	77.4				
0.5 HP	115.0	6.21	554	1713	24.52	0.500	67.3	77.5				
	115.0	6.61	596	1705	26.36	0.535	67.0	78.4				
28 OZ-FT	115.0 115.0	6.98 7.52	635 696	1697 1685	28.00 30.34	0.566 0.609	66.5 65.2	79.1 80.5				
	115.0	8.60	804	1661	34.27	0.678	62.9	81.2				
	115.0	9.66	906	1636	37.45	0.729	60.1	81.5				
	115.0 115.0	10.65 11.67	995 1085	1609 1581	39.67 41.43	0.760	57.0 53.6	81.2 80.8				
	115.0	12.67	1165	1549	42.48	0.784	50.2	80.0				
BDT OZ-FT	115.0	13.62	1237	1516	42.94	0.775	46.7	79.0				
	115.0 115.0	13.62 14.54	1237	1516 1479	42.94 42.58	0.775	46.7	79.0 77.9				
	115.0	15.42	1303 1360	1479	42.58	0.750	42.9 39.1	76.7				
	115.0	16.26	1411	1394	40.27	0.668	35.3	75.5				
	115.0	17.05	1453	1347	38.43	0.616	31.6	74.1				
	115.0 115.0	17.79 18.47	1490 1519	1296 1240	36.21 33.53	0.559	28.0 24.3	72.8 71.5				
	115.0	19.10	1543	1180	30.66	0.431	20.8	70.3				
	115.0 115.0	19.67 20.20	1563 1576	1114 1044	27.57 24.50	0.366 0.304	17.5	69.1 67.9				
	115.0	20.20	1588	968	21.37	0.246	11.6	66.8				
	115.0	21.10	1596	886	17.89	0.189	8.8	65.8				
	115.0	21.48	1599	799	14.70	0.140	6.5	64.7				
PUT OZ-FT	115.0 115.0	<b>4.21</b> 24.68	298 1907	1755 704	11.98 16.28	0.250	62.6 5.3	61.5 67.2				
	115.0	37.44	3326	610	32.92	0.239	5.4	77.2				
	115.0	37.86	3360	502	31.33	0.187	4.2	77.2				
	115.0 115.0	38.03 38.11	3365 3367	386 264	28.22 25.68	0.130	2.9	76.9 76.8				
	115.0	38.06	3358	132	24.90	0.039	0.9	76.7				
									DRAWING NO.	PAGE 3 of 4	_	
										6K809BG		

## **Performance Data**









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

