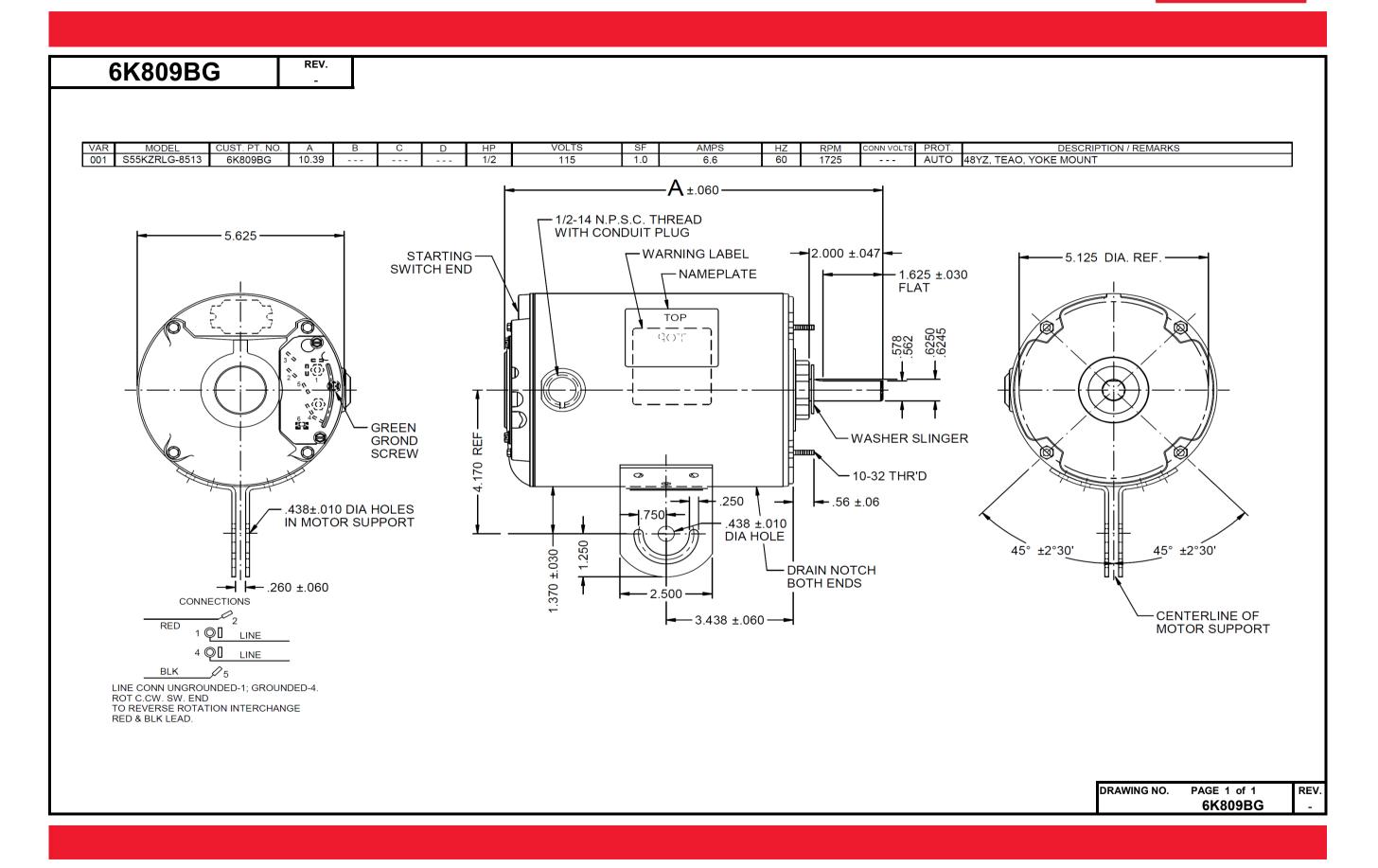
Dimensional Drawing





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.									
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Power Factor: @ Rated Load 77.4 Image: Constraint of the second of t	Service Factor:	1									
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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:	v									
Image: Constraint of the second sec		0	6.2								
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Occure Pull-Up 23.8 Image: Constraint of the second se	•						<u> </u>				
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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)									
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Volts: Image: Constraint of the second s											
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@ 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									
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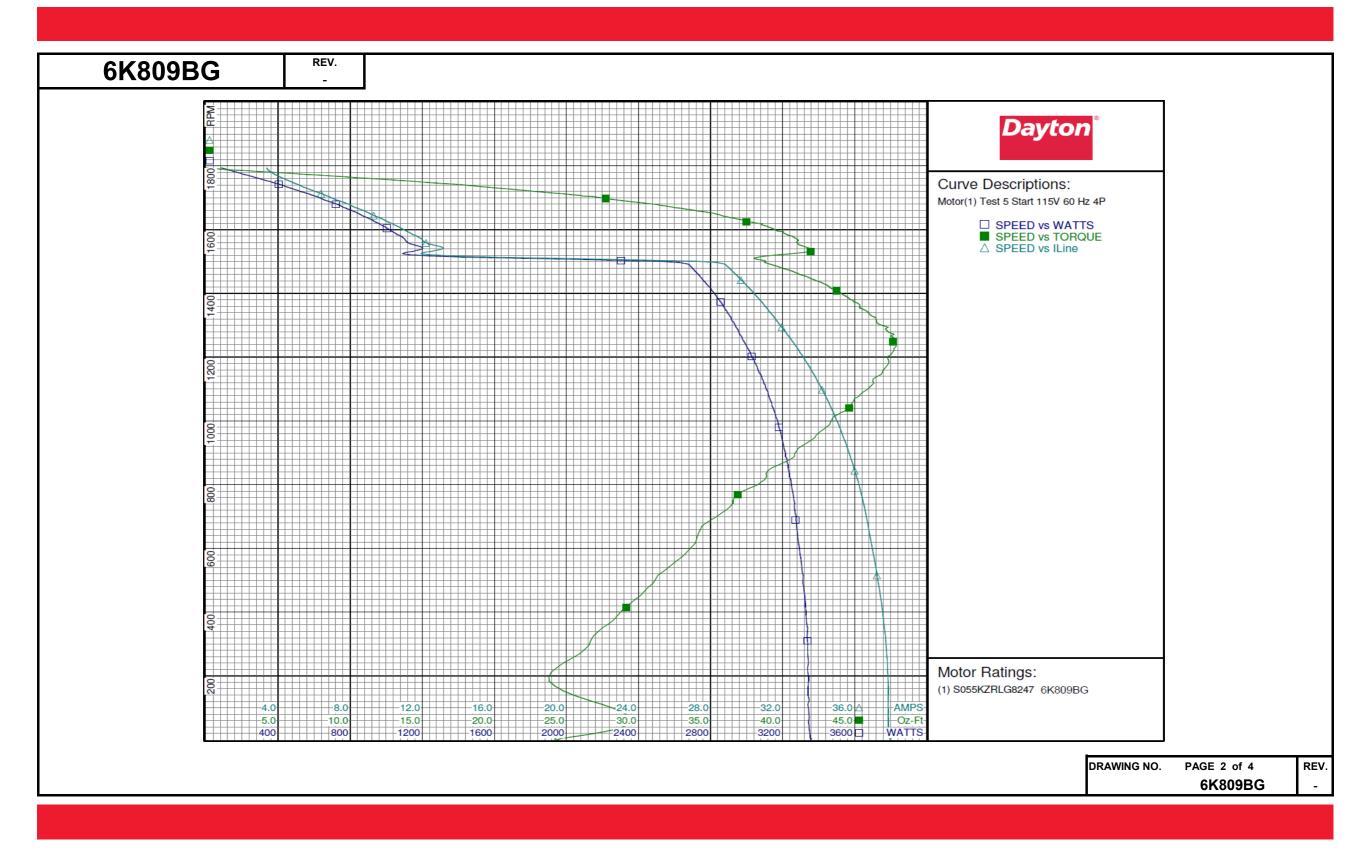
Dayton Electric Mfg. Co. Lake Forest, IL 60045 USA



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	115.0	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					
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										6K809			

Performance Data



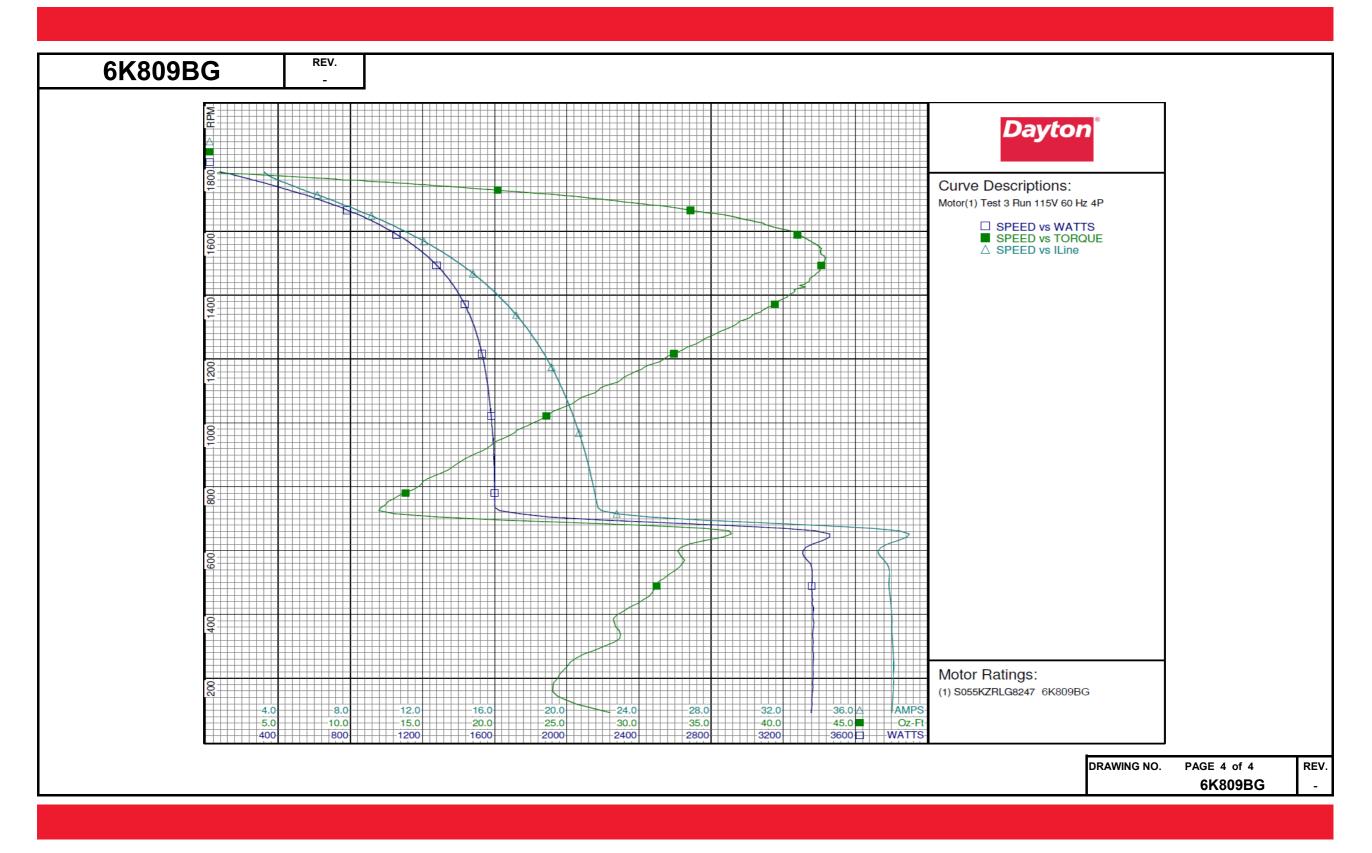




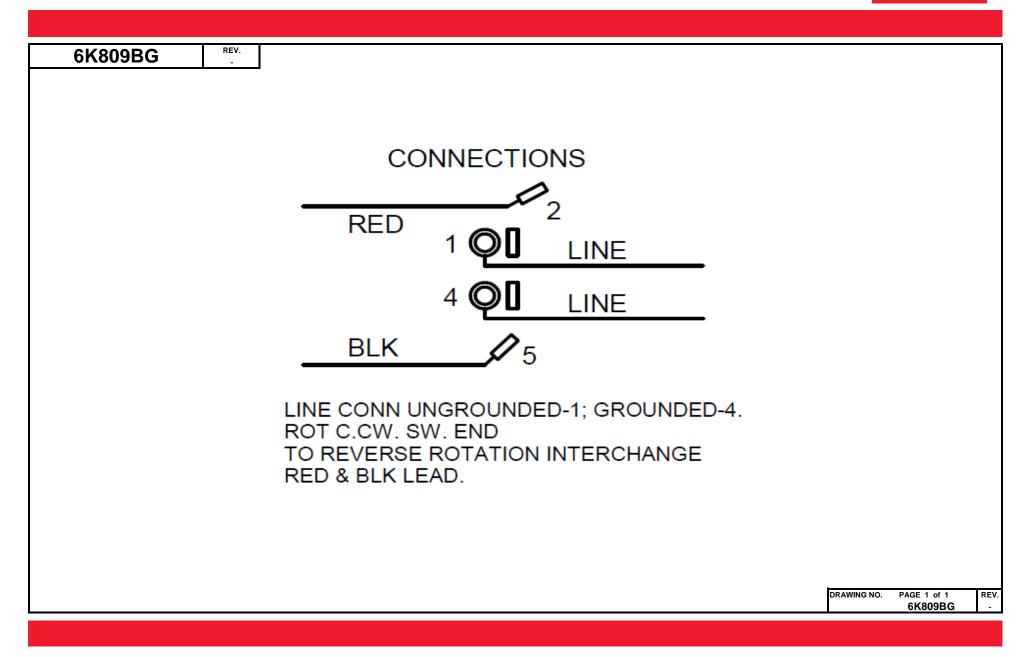
6K809BG	REV.											
				Da	yton Ma	nufactu	ring Cor	npany				
Motor Des	cription			Test Conditions								
Model:	S055KZRLC	G8247 6K8	09BG	Test Type:	Run		Run Ca	ap:	0			
Motor ID:	1 of 2			Test Numb			Start C	-	0µfd			
Poles:	4			Poles:	4		Enviro		•			
Volts:	115			Volts:	115		Tested		8/20/2010 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	4.21 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				
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										6K809BG		

Performance Data









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

