Dimensional Drawing



6K483BG REV. VAR MODEL CUST. PT. NO. HP VOLTS AMPS ΗZ RPM PROT. **DESCRIPTION / REMARKS** Α SF ONN VOLT 3/4 1.15 60 002 C63CXHYY-1360 6K483BG 11.890 115/208-230 10.4/5.3-5.2 3450 AUTO 56, TEFC - **A** ±.062 9.10 LOCATION OF 1 1/4" DISC 6.50 AUTOMATIC 5.812 B.C. DIA. NAMEPLATE -THERMAL PROTECTOR WARNING (IF REQ'D) LABEL KNOCKOUT .484 DIA. W/KEY .031 DEEP സ് **1**.94 ±.031 SHAFT KEY KNOCKOUT-.188 X 1.440 - 1.88 -1.125 DIA. G()-[-• 1.44 8.50 75 \bigcirc ω. 517 +.000 +.000 6250 6245 £ £ Ð 500 3 KNOCKOUT KNOCKOUT WATER .625 DIA. .825 DIA. SLINGER 1 CONNECTIONS -1.25 .34 UNGROUNĐED SIDE OF LINE -2.75 3 00 4.88 BLU BLU WHT-BRN-LOCATION OF RED-INS RED-INS . 3/4" OR 1" DISC SHAFT KEY AND INSTRUCTION BOOK 208-230 ORG-VOL AUTOMATIC ORG-VOLT SHIPPED AS A KIT IN PLASTIC THERMAL 1.250 WHT-BRN-INS PROTECTOR YEL-YEL (IF REQ'D) BLK BLK — MOTOR IS CCW ROTATION LEAD END TO REVERSE ROTATION INTERCHANGE RED AND BLACK LEADS SLOT DETAIL (4) ROTATION: REVERSIBLE DRAWING NO. PAGE 1 of 1 REV. 6K483BG -



6K483BG

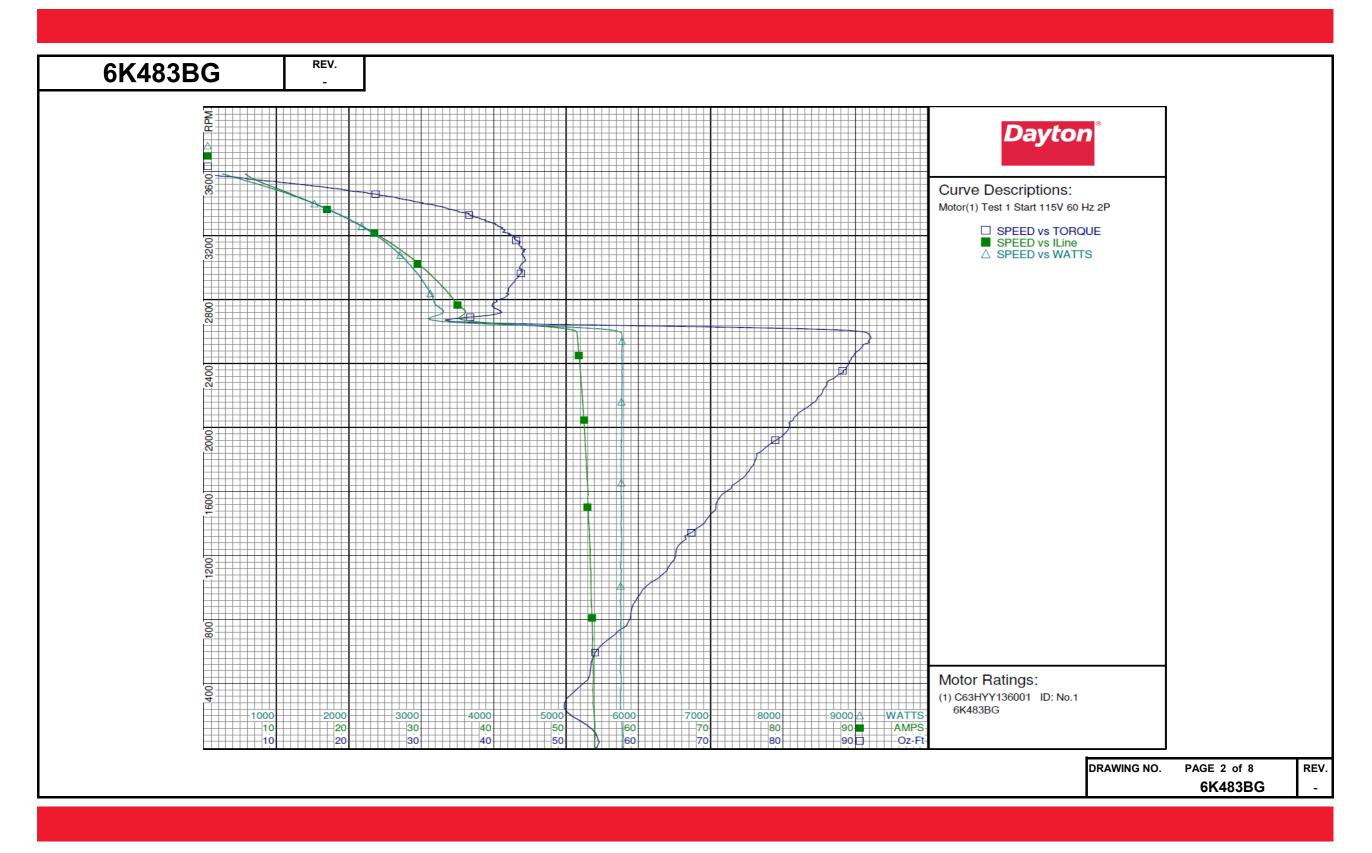
REV.

ID.	2/4									
HP:	3/4									
Poles:										
No. of Speeds:	1				-					
Volts:	115/208-230V	230	115	208						
HZ:	60	60	60	60						
Service Factor:	1.15							_		
Efficiency:	@ Rated Load	65.9	<mark>6</mark> 5.6	66.2						
Power Factor:	@ Rated Load	75.8	76.9	81.9						
Amps:	@ No Load									
	@ Rated Load	4.9	9.8	5						
	@ Service Factor	5.4	10.5	5.5						
RPM:	@ Locked Rotor @ Rated Load	27.7	54	24.8				_		
	40	3499	3499	3477						
Ambient (°C): Altitude (FASL):	40									
Torques:	Breakdown	48.4	47.3	39.1		I				
i olques.	Locked Rotor	40.4 49.6	47.3 54.2	40						
	Pull-Up	49.6	54.2 49.8	40 37.5						
	Rated Load	18.3	18.3	18.3	1					
	Service Factor	21	21	21						
Watts:	Rated Load	861	865	852						
KVA Code:										
Temperature Rise:	@ Rated Load	56.2	56.7	56.1						
	@ Service Factor	67.1	64.6	68.9						
Thermal Protector:	Trip Temp (°C)	119.4	115.8	119.1						
Winding Material:	Start (Auxiliary)	AL	AL	AL						
..	Run (Main)	AL	AL	AL						
Capacitor(s):	Start (MFD / Volts)				519 / 110)				
• • • •	No. of Start Capacitors									
	Run (MFD / Volts) n/a									
	No. of Run Capacitors				•		-			
LOW SPEED PER	FORMANCE DATA:									
HP:										
Poles:										
Volts:										
HZ:										
Efficiency:	@ Rated Load									
Power Factor:	@ Rated Load									
Amps:	@ No Load									
	@ Rated Load					ļ	ļ	_		
	@ Service Factor					ļ	ļ	_		
_	@ Locked Rotor									
Torques:	Bead Down									
	Locked Rotor									
	Pull-Up Detect Lood									
	Rated Load					ļ				
Matta	Service Factor							_		
Watts:	@ Rated Load									
Temperature Rise:	@ Rated Load @ Service Factor									
							 			



						anulactu	ring Con	ipany					
Motor Des	scription					Test Con	ditions						
Model:	C63HYY1360	001 6K483	BG	Test Type:	Start		Run Ca	p:	0				
Motor ID: Poles: Volts:	No.1 2 115/208-230			Test Numb Poles: Volts:	2 115		Start Ca Environ Tested:	iment:	4/19/2005 8				
Frequency: HP: Speed: Phase:	60 3/4 3450 1			Hz: Rotation: Special Con Speed Con				atio: Friction:	Sharp, Geral 1:1 -0.11 Oz-Ft : -2.49 Oz-Ft	la			
Protector:	AUTO			TestBoard:	An	tps Performa	nce Fixture	#3					
Comments:													
pecial Points	Vline(V) 115.0	Vaux (V) 90.4	Vcap(V) 120.2	Iline(A) 54.03	Imain(A) 48.24	Iaux (A) 23.79	Watts 5790	RPM 0	Tq(Oz-ft) 54.16	HP 0.000	Eff(%) 0.0	PF(%) 93.2	Cap 525.1
PUT OZ-FT	115.0 115.0	90.8 91.5	119.9 118.4	53.98 53.83	48.09 47.76	23.71 23.39	5776 5753	49 247	54.44 49.75	0.032 0.146	0.4 1.9	93.0 92.9	524.6 524.2
F01 02-F1	115.0	91.7	118.0	53.75	47.62	23.31	5755	305	50.11	0.182	2.4	93.1	524.2
	115.0	93.4	116.1	53.70	46.98	22.91	5763	595	54.04	0.383	5.0	93.3	523.2
	115.0 115.0	95.1 97.1	114.4 112.6	53.56 53.43	46.21 45.41	22.52 22.12	5760 5767	863 1104	59.07 63.94	0.607	7.9 10.9	93.5 93.8	522.0 521.0
	115.0	99.0	110.8	53.25	44.52	21.77	5765	1322	66.41	1.045	13.5	94.2	521.1
	115.0	101.3	109.1	53.04	43.60	21.39	5764	1524	70.75	1.283	16.6	94.5	520.1
	115.0 115.0	103.6 106.6	107.4	52.90 52.68	42.60 41.55	21.03 20.67	5762 5761	1709 1887	74.93 77.93	1.525	19.7 22.7	94.7 95.1	519.5 518.2
	115.0	109.8	104.2	52.48	40.49	20.36	5771	2046	81.40	1.983	25.6	95.6	518.2
	115.0	113.0	102.9	52.26	39.40	20.07	5769	2190	84.79	2.210	28.6	96.0	517.5
	115.0	116.7	101.8	52.05	38.30	19.86	5776	2319	87.31	2.410	31.1	96.5	517.3
	115.0 115.0	120.5 124.9	101.2	51.84 51.60	37.21 36.02	19.68 19.55	5770 5776	2437 2553	89.45 92.03	2.595 2.797	33.5 36.1	96.8 97.3	516.1 515.9
	115.0	172.1	129.4	39.34	38.03	3.04	3589	2654	38.85	1.227	25.5	79.3	62.3
	115.0	169.7	129.3	35.65	35.46	0.24	3259	2747	40.10	1.311	30.0	79.5	4.9
	115.0	169.6	129.4	33.77	33.72	0.02	3128	2839	41.80	1.413	33.7	80.5	0.3
	115.0 115.0	170.0 170.4	129.8 130.3	31.97 30.12	31.93 30.09	0.00	3008 2872	2925 3002	42.98 43.60	1.496 1.559	37.1 40.5	81.8 82.9	-0.1
	115.0	170.4	130.3	28.27	28.24	-0.01	2726	3002	44.10	1.613	40.5	82.9	-0.2
	115.0	171.6	132.2	26.33	26.30	0.00	2569	3135	43.60	1.627	47.3	84.8	-0.1
	115.0	172.1	132.8	24.29	24.28	0.00	2393	3194	42.81	1.628	50.7	85.7	-0.1
	115.0	172.8	133.6	22.27	22.26	0.00	2216	3248	41.26	1.595	53.7	86.5	0.0
	115.0 115.0	173.5 174.3	134.5 135.5	20.20	20.19 18.08	0.00	2020 1811	3297 3344	38.84	1.525	56.3 58.8	87.0 87.2	-0.1
	115.0	174.8	136.2	15.91	15.93	0.00	1592	3386	35.83 32.09	1.293	60.6	87.0	-0.1
	115.0	175.6	137.2	13.73	13.75	0.00	1357	3428	27.43	1.119	61.5	86.0	0.0
	115.0	175.9	137.7	11.61	11.65	0.00	1122	3467	22.45	0.926	61.6	84.1	-0.1
	115.0	176.8	138.7	9.40	9.45	0.00	855	3505	16.16	0.674	58.8	79.1	-0.1
	115.0 115.0	176.9 177.5	139.2 139.8	7.37 5.90	7.43 5.97	-0.01 0.01	581 307	3542 3579	8.50	0.358	46.0 11.2	68.5 45.4	-0.2
	115.0	177.2	139.6	5.67	5.75	0.00	247	3586	0.00	0.000	0.0	37.8	-0.1

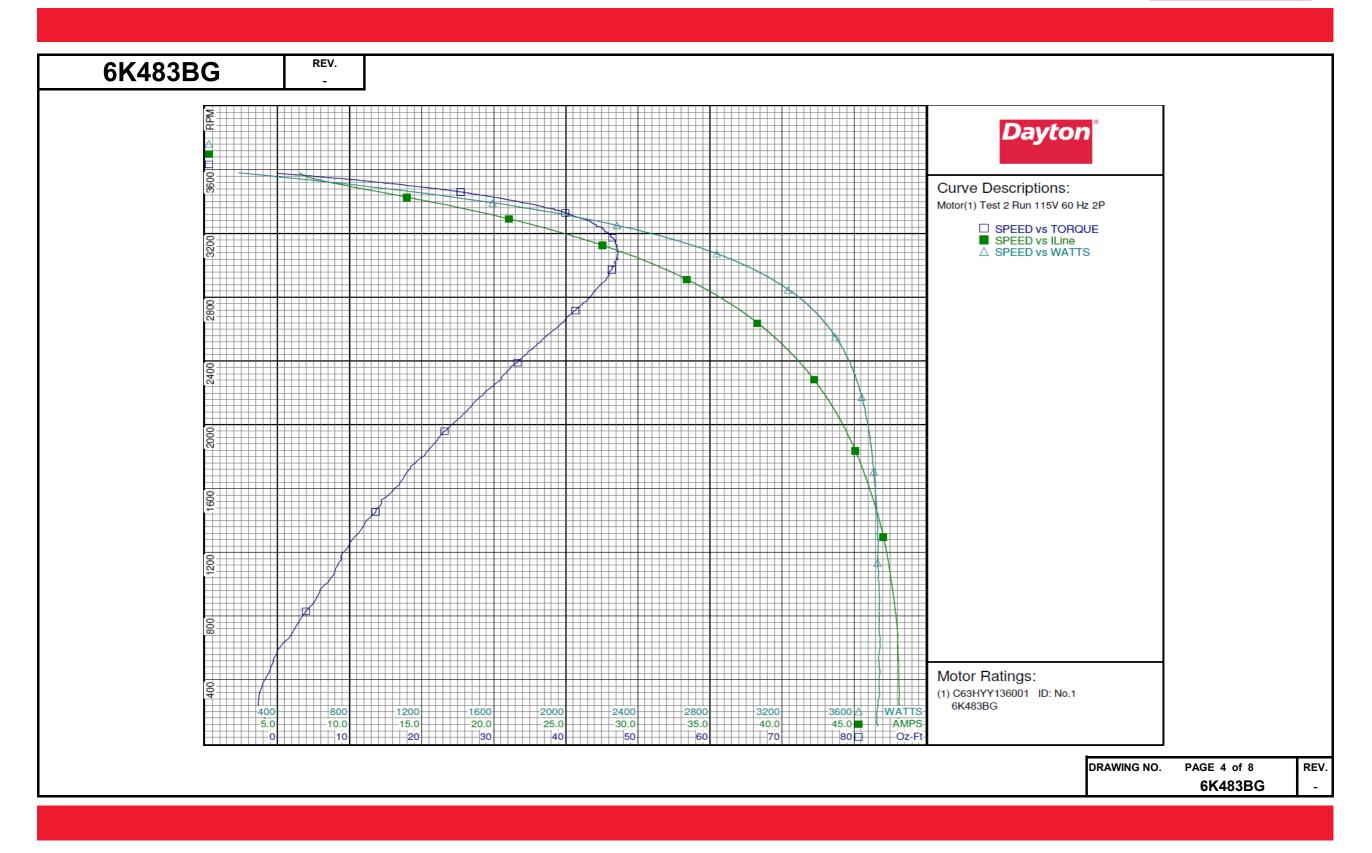






K483BG	-									
				Day	yton Ma	nufactu	ring Con	npany		
Motor Des	scription					Test Con	ditions			
Model:	C63HYY136	001 6K483E	3G	Test Type:	Run		Run Ca	p:	0	
Motor ID:	No.1			Test Number			Start Ca		519 MFD	110 VOLT
Poles:	2			Poles:	2		Enviro		4/10/2005 8	24.45 434
Volts: Frequency:	115/208-230 60			Volts: Hz:	115 60		Tested:		4/19/2005 8 Sharp Caral	
HP:	3/4			Rotation:	00		Tested Gear R		Sharp, Geral 1:1	a
Speed:	3450			Special Con	d:				-0.11 Oz-Ft	
Phase:	1			Speed Conn					-2.64 Oz-Ft	
Protector:	AUTO			TestBoard:	Am	ps Performa	ance Fixture	#3		
Special Points	Vline(V)	Iline(A)	Watts		[q(Oz-ft)	HP	Eff(%)	PF (%)		
	115.0 115.0	6.55 6.90	185 362	3580 3561	0.00 4.57	0.000 0.194	0.0 39.8	24.5 45.6		
	115.0	7.57	516	3543	9.13	0.385	55.7	59.3		
	115.0	7.71	544	3539	9.89	0.417	57.1	61.3		
0.75 HP	115.0 115.0	8.52 9.73	682 857	3522 3500	13.70 18.00	0.574	62.8 65.3	69.5 76.6		
0.75 11	115.0	9.74	858	3500	18.03	0.751	65.3	76.7		
18.26 OZ-FT	115.0	9.79	865	3499	18.26	0.761	65.6	76.9		
21 OZ-FT	115.0 115.0	10.53 10.84	964 1002	3486 3482	21.00 22.00	0.871 0.912	67.4 67.9	79.6 80.4		
	115.0	12.10	1157	3460	25.43	1.048	67.5	83.2		
3450 RPM	115.0 115.0	12.68 14.47	1227 1429	3450 3418	26.84 31.17	1.102 1.268	67.1 66.2	84.1 85.9		
	115.0	16.94	1697	3375	36.13	1.452	63.8	87.1		
	115.0 115.0	19.25 21.53	1937 2160	3330 3281	39.93 43.09	1.583	60.9 58.1	87.5 87.3		
	115.0	23.76	2376	3228	45.20	1.737	54.5	87.0		
	115.0	25.89	2561	3173	46.46	1.755	51.1	86.0		
	115.0 115.0	27.97 30.00	2739 2898	3112 3046	47.07 46.97	1.744	47.5	85.1 84.0		
BDT OZ-FT	115.0	30.20	2915	3040	47.27	1.710	43.8	83.9		
	115.0 115.0	31.94 33.75	3044 3169	2973 2896	46.39 45.28	1.642	40.2	82.9 81.7		
	115.0	35.48	3282	2811	43.53	1.457	33.1	80.4		
	115.0 115.0	37.10 38.60	3374 3455	2718 2617	41.36 38.97	1.338	29.6 26.2	79.1 77.8		
	115.0	39.98	3523	2507	36.03	1.075	22.8	76.6		
	115.0 115.0	41.24 42.44	3579 3622	2390 2255	33.28 30.16	0.947 0.810	19.7 16.7	75.5 74.2		
	115.0	42.44	3656	2255	26.88	0.676	13.8	73.1		
	115.0	44.44	3682	1961	23.23	0.542	11.0	72.0		
	115.0 115.0	45.22	3701 3713	1806 1639	20.42	0.439	8.8 6.7	71.2		
	115.0	46.59	3725	1452	13.63	0.236	4.7	69.5		
	115.0 115.0	47.13 47.52	3734 3735	1257 1056	9.98 7.75	0.149 0.097	3.0	68.9 68.4		
	115.0	47.85	3740	829	3.92	0.039	0.8	68.0		
	115.0 115.0	48.02 48.13	3740 3741	584 324	-0.03 -2.45	0.000	0.0	67.7 67.6		
PUT OZ-FT	115.0 115.0	48.13 48.12	3741 3732	324 245	-2.45 -2.69	-0.009	0.0	67.4		
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										6K483

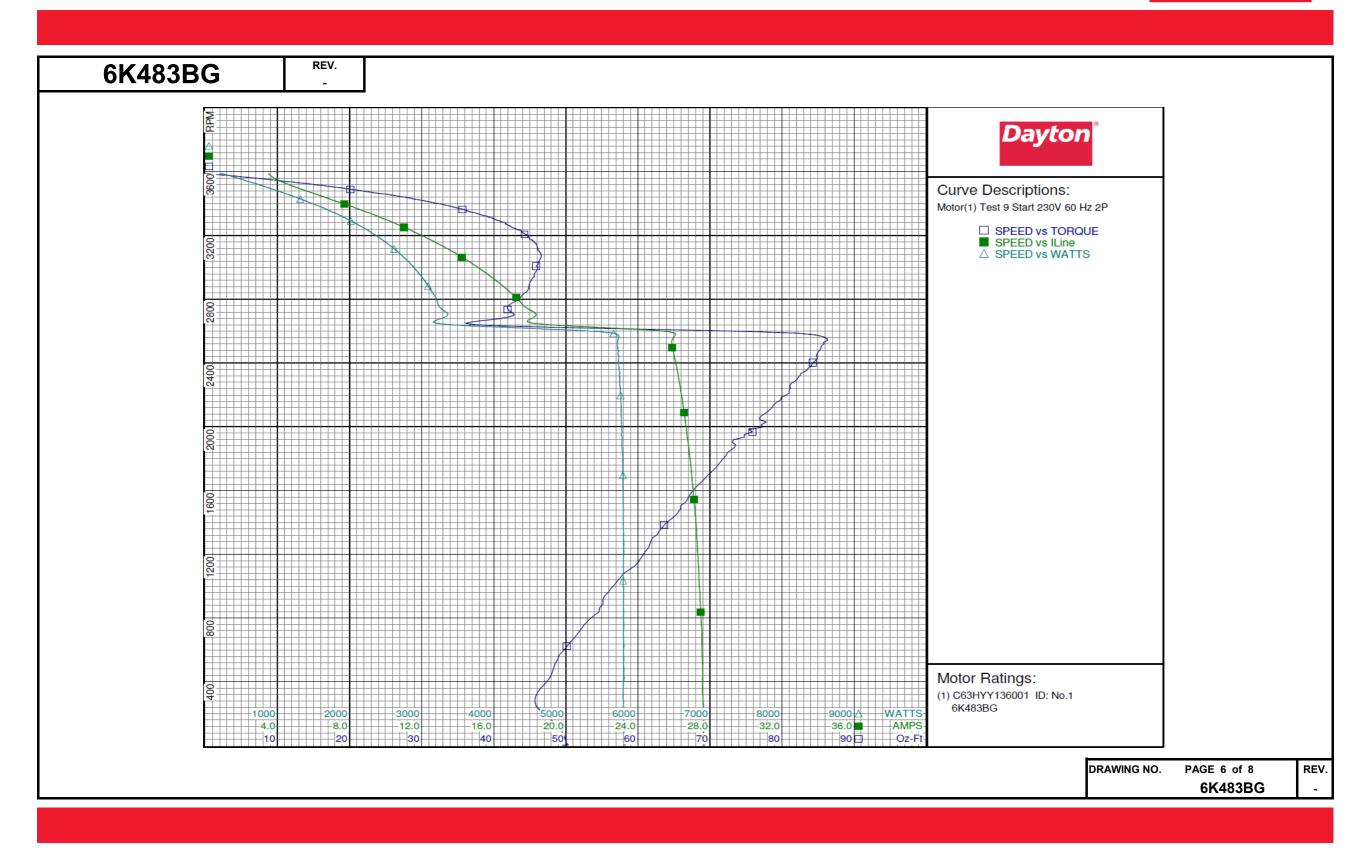






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				Da	yton Ma	anufactu	ring Con	ipany					
Motor De	scription					Test Con	ditions						
Model:	C63HYY1360	001 6K483	BG	Test Type:	Start		Run Ca	p:	0				
Motor ID: Poles: Volts: Frequency: HP: Speed: Phase:	No.1 2 115/208-230 60 3/4 3450 1			Test Number Poles: Volts: Hz: Rotation: Special Corr Speed Corr	2 230 60			ment: By: atio: Friction:	519 MFD 1 4/19/2005 10 Sharp, Gerald 1:1 -0.19 Oz-Ft : -2.64 Oz-Ft):18:40 AM			
Protector:	AUTO			TestBoard:	Amtp	s Performanc	e Fixture #3	3					
Special Points	Vline(V) 230.0 230.0	Vaux(V) 179.7 180.2	Vcap(V) 110.8 110.3	Iline(A) 27.69 27.66	Imain(A) 25.29 25.18	Iaux (A) 21.72 21.64	Watts 5827 5816	RPM 3 49	Tq(Oz-ft) 49.55 49.84	HP 0.002 0.029	Eff(%) 0.0 0.4	PF(%) 91.5 91.4	Cap 519.8 520.3
PUT OZ-FT	230.0	182.0	108.7	27.61	24.84	21.31	5800	275	45.73	0.150	1.9	91.3	519.8
	230.0 230.0	182.0 184.7	108.5 106.5	27.60 27.55	24.80 24.11	21.27 20.86	5792 5799	303 595	45.78 49.64	0.165 0.351	2.1 4.5	91.2 91.5	519.8 519.4
	230.0	187.3	104.8	27.35	23.40	20.88	5799	862	54.67	0.561	7.2	91.5	518.3
	230.0	190.3	102.9	27.37	22.63	20.09	5801	1105	58.86	0.774	10.0	92.1	517.9
	230.0	193.2	101.1	27.25	21.78	19.73	5802	1324	62.70	0.988	12.7	92.6	517.5
	230.0	196.2	99.3	27.12	20.91	19.38	5793	1526	66.58	1.209	15.6	92.9	517.3
	230.0 230.0	199.5 202.9	97.6 95.9	26.97 26.79	19.96 18.95	19.01 18.65	5787 5773	1714 1887	70.14 73.52	1.431 1.651	18.4 21.3	93.3 93.7	516.5 516.2
	230.0	202.9	94.3	26.62	17.90	18.35	5769	2044	76.91	1.871	24.2	94.2	516.0
	230.0	210.6	93.0	26.44	16.84	18.08	5767	2183	79.87	2.076	26.9	94.8	515.7
	230.0	214.7	91.7	26.23	15.63	17.82	5741	2323	82.52	2.282	29.7	95.2	515.5
	230.0	218.8	90.8	26.03	14.52	17.65	5735	2437	84.87	2.462	32.0	95.8	515.6
	230.0	225.1	90.4	25.94	13.15	17.50	5729	2553	86.23	2.620	34.1	96.0	513.6
	230.0 230.0	250.1 247.7	102.2	18.15 17.81	19.30 17.85	-0.73 -0.03	3202 3259	2649 2746	36.09 41.89	1.138 1.369	26.5 31.3	76.7 79.5	-18.9 -0.9
	230.0	247.1	98.2	16.96	16.93	-0.01	3152	2839	44.28	1.496	35.4	80.8	-0.3
	230.0	246.9	97.7	16.04	16.01	-0.01	3025	2924	45.23	1.575	38.8	82.0	-0.3
	230.0	246.8	97.2	15.10	15.07	-0.01	2887	3002	46.14	1.649	42.6	83.1	-0.3
	230.0	246.7	96.7	14.12	14.10	-0.01	2733	3071	46.60	1.704	46.5	84.1	-0.4
	230.0	246.5	96.2	13.12	13.10	-0.02	2565	3135	45.97	1.716	49.9	85.0	-0.5
	230.0 230.0	246.4 246.2	96.1 95.7	12.13 11.13	12.10	-0.01 -0.02	2388 2198	3193 3247	44.79 42.75	1.703	53.2 56.1	85.6 85.9	-0.2 -0.4
	230.0	246.2	95.7	10.10	10.07	-0.01	1997	3247	40.40	1.585	59.2	86.0	-0.4
	230.0	246.2	95.2	9.07	9.04	0.00	1790	3342	37.38	1.487	62.0	85.8	-0.1
	230.0	245.9	94.8	8.05	8.03	-0.01	1576	3384	33.93	1.367	64.7	85.1	-0.4
	230.0	246.0	94.6	6.98	6.95	-0.01	1340	3425	29.46	1.201	66.9	83.4	-0.4
	230.0	245.8	94.3	6.01	5.98	-0.01	1105	3463	24.18	0.997	67.3	80.0	-0.4
	230.0	245.8	94.1	5.02	5.00	-0.01	855	3501	18.25	0.761	66.4	74.0	-0.3
	230.0 230.0	245.7 245.5	93.7 93.7	4.18 3.61	4.15 3.58	-0.02	595 327	3538 3576	11.18 3.24	0.471 0.138	59.1 31.5	61.8 39.3	-0.6 -0.3
	230.0	245.5	93.6	3.50	3.47	-0.01	216	3590	0.00	0.000	0.0	26.8	-0.4
											DR	AWING NO.	PAGE 5 of

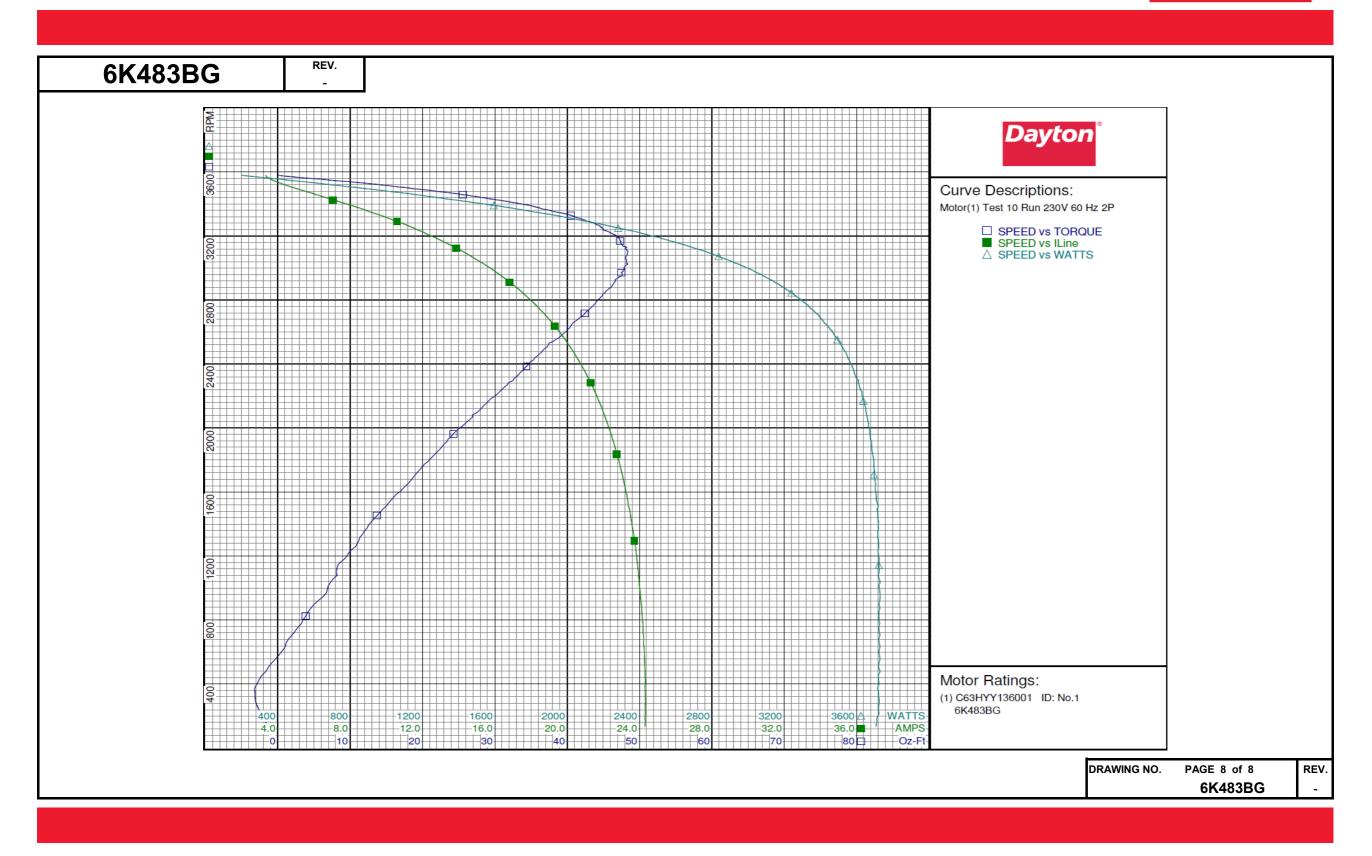






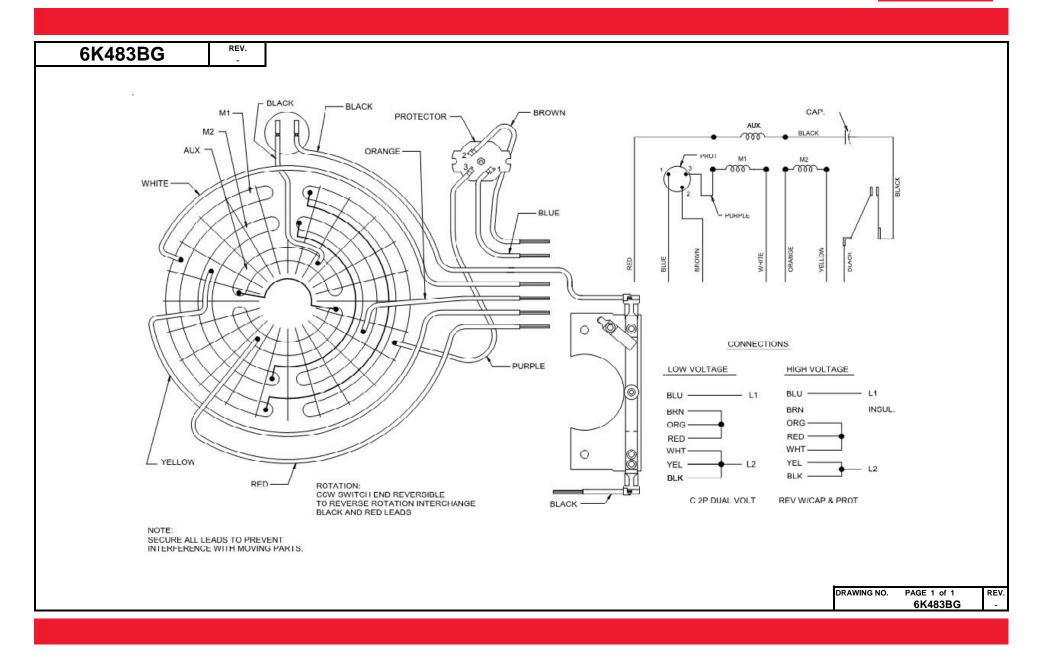
6K483BG	REV. -									
				Day	ton Ma	nufactur	ing Con	npany		
Motor Des	scription			-		Test Cond	litions			
Model:		001 6K483B	G	Test Type:	Run	iest com	Run Ca	D:	0	•
Motor ID: Poles: Volts:	No.1 2 115/208-230			Test Number: Poles: Volts: Hz:	10 2 230 60		Start Ca Enviror Tested: Tested	ap: nment:		110 VOLT
Frequency: HP: Speed: Phase:	60 3/4 3450 1			Rotation: Special Cond: Speed Conn:			Gear R Bearing	atio: g Friction:	1:1 : -0.21 Oz-Ft : -2.68 Oz-Ft	:
Protector:	AUTO			TestBoard:	Amtps F	Performance	Fixture #3			
Special Points	Vline(V) 230.0 230.0 230.0 230.0	Iline(A) 3.33 3.53 3.86 3.93	Watts 201 368 521 547	3579 3559 3541 3538	I(Oz-ft) 0.00 4.57 9.13 10.00	HP 0.000 0.194 0.385 0.421	Eff(%) 0.0 39.1 55.0 57.4	PF(%) 26.3 45.4 58.7 60.5		
18.26 OZ-FT 0.75 HP	230.0 230.0 230.0 230.0	4.31 4.94 4.90 4.94	676 861 850 862	3522 3499 3500 3499	13.70 18.26 18.00 18.28	0.574 0.761 0.750 0.761	63.4 65.9 65.8 65.9	68.2 75.8 75.4 75.8		
21 OZ-FT	230.0 230.0	5.36 5.53	971 1015	3485 3478	21.00 22.00	0.871 0.911	66.9 67.0	78.8 79.8		
3450 RPM	230.0 230.0 230.0 230.0 230.0 230.0	6.13 6.35 7.30 8.53 9.69 10.85	1161 1212 1428 1693 1935 2162	3458 3450 3417 3374 3328 3280	25.57 26.68 31.42 36.22 40.53 43.65	1.052 1.096 1.278 1.455 1.606 1.704	67.6 67.5 66.8 64.1 61.9 58.8	82.3 83.0 85.1 86.3 86.8 86.6		
BDT OZ-FT	230.0 230.0 230.0 230.0 230.0 230.0	11.94 13.03 14.10 14.20 15.10	2372 2563 2742 2761 2902	3228 3171 3110 3104 3044	45.59 47.29 48.24 48.37 48.19	1.752 1.785 1.786 1.788 1.746	55.1 52.0 48.6 48.3 44.9	86.4 85.5 84.6 84.5 83.5		
	230.0 230.0 230.0 230.0 230.0 230.0 230.0 230.0	16.08 17.01 17.88 18.70 19.46 20.16 20.82	3046 3173 3282 3377 3453 3520 3576	2972 2895 2809 2716 2617 2507 2385	40.13 47 46.27 44.47 42.44 40.11 37.22 34.39	1.7480 1.594 1.487 1.372 1.249 1.111 0.976	44.9 41.1 37.5 33.8 30.3 27.0 23.5 20.4	82.4 81.1 79.8 78.5 77.2 75.9 74.7		
	230.0 230.0 230.0 230.0 230.0 230.0 230.0 230.0 230.0	21.42 21.95 22.41 22.83 23.18 23.50 23.78 23.97	3617 3650 3672 3694 3705 3717 3723 3726	2253 2112 1964 1805 1639 1452 1258 1056	31.26 27.91 24.29 21.03 17.69 13.73 10.76 7.63	0.839 0.702 0.568 0.452 0.345 0.237 0.161 0.096	17.3 14.3 11.5 9.1 7.0 4.8 3.2 1.9	73.4 72.3 71.2 70.3 69.5 68.8 68.1 67.6		
PUT OZ-FT	230.0 230.0 230.0 230.0	24.14 24.27 24.30 24.31	3724 3726 3716 3722	826 581 375 323	3.86 0.15 -3.20 -3.14	0.038 0.001 -0.014 -0.012	0.8 0.0 0.0 0.0	67.1 66.8 66.5 66.6		
									DRAWING	NO. PAGE 7 of 6K483





Wiring Diagram





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

