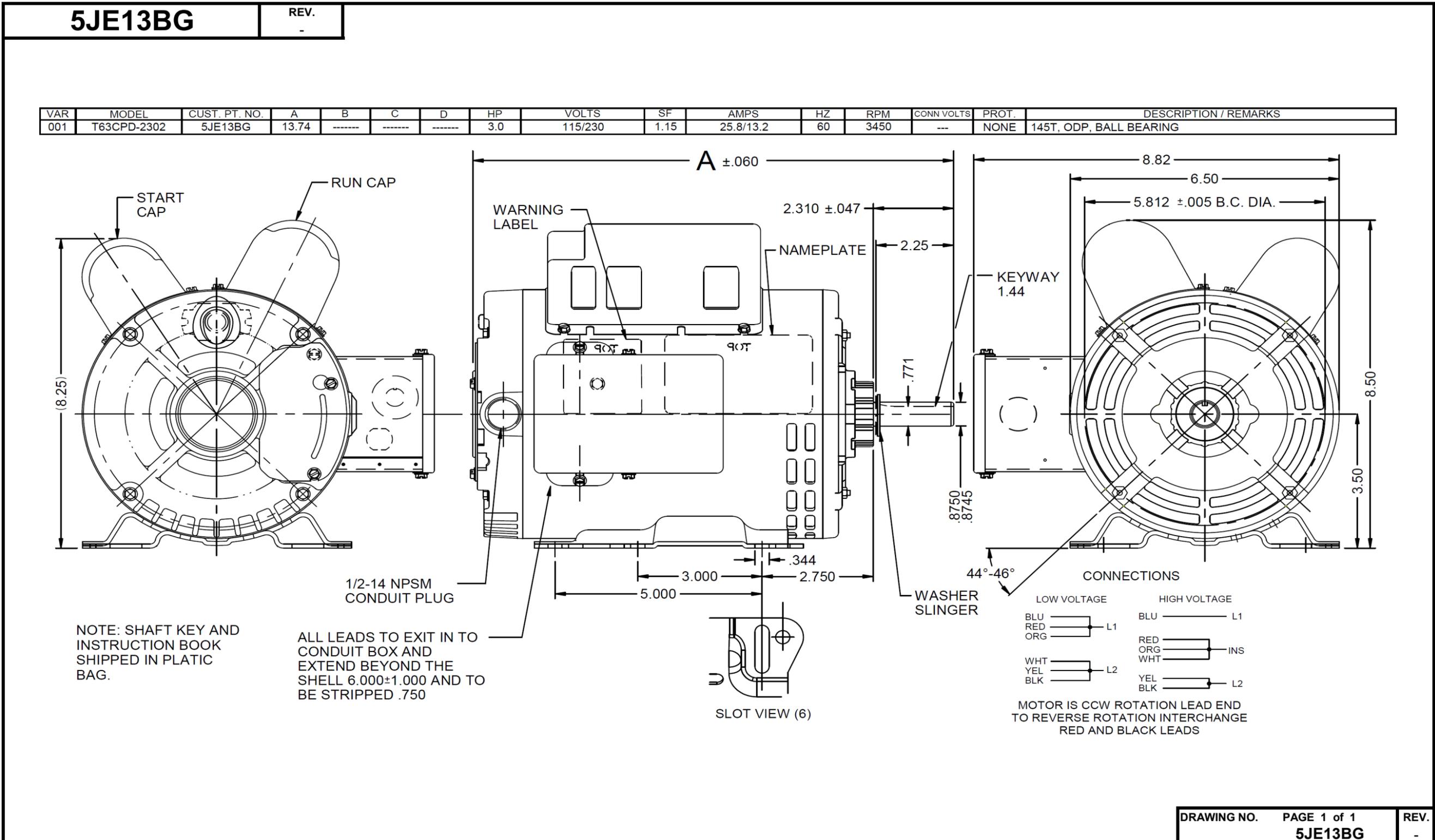


Dimensional Drawing



DRAWING NO.	PAGE 1 of 1	REV.
5JE13BG	5JE13BG	-

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

Performance Data



5JE13BG

REV.
-

MOTOR PERFORMANCE

HP:	3							
Poles:	2							
No. of Speeds:	1							
Volts:	115/230	115	230					
HZ:	60	60	60					
Service Factor:	1.15							
Efficiency:	@ Rated Load	81.6	81.0					
Power Factor:	@ Rated Load	94.8	93.7					
Amps:	@ No Load							
	@ Rated Load	25.1	12.9					
	@ Service Factor	28.8	14.7					
	@ Locked Rotor	155.9	82.6					
RPM:	@ Rated Load	3456	3476					
Ambient (°C):	40							
Altitude (FASL):								
Torques:	Breakdown	173.5	183.8					
	Locked Rotor	199.9	187.3					
	Pull-Up	122.8	114.9					
	Rated Load	72.9	73					
	Service Factor	84	84					
Watts:	Rated Load	2742	2782					
KVA Code:	H	G	H					
Temperature Rise:	@ Rated Load	38.3	38.3					
	@ Service Factor	47.7	51.9					
Thermal Protector:	Trip Temp (°C)	-	-					
Winding Material:	Start (Auxiliary)	Cu	Cu					
	Run (Main)	Cu	Cu					
Capacitor(s):	Start (MFD / Volts)	746mf 165v						
	No. of Start Capacitors							
	Run (MFD / Volts)	60mf 370v						
	No. of Run Capacitors							

LOW SPEED PERFORMANCE DATA:

HP:								
Poles:								
Volts:								
HZ:								
Efficiency:	@ Rated Load							
Power Factor:	@ Rated Load							
Amps:	@ No Load							
	@ Rated Load							
	@ Service Factor							
	@ Locked Rotor							
Torques:	Bead Down							
	Locked Rotor							
	Pull-Up							
	Rated Load							
	Service Factor							
Watts:	@ Rated Load							
Temperature Rise:	@ Rated Load							
	@ Service Factor							

DRAWING NO. PAGE 1 of 1 REV.
5JE13BG -

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

Performance Data



5JE13BG REV.
-

Dayton Manufacturing Company

Motor Description

Model: T063-CPD2302 5JE13BG
 Motor ID: 1 of 1
 Poles: 2
 Volts: 115/230
 Frequency: 60
 HP: 3
 Speed: 3450
 Phase: 1
 Protector: -

Test Conditions

Test Type: Start Run Cap: 60 µFd
 Test Number: 3 Start Cap: 746 µFd
 Poles: 2 Environment: 23.8 Deg C 58 % RH 974 hPa
 Volts: 115 Tested: 11/10/2016 10:39:24 AM
 Hz: 60 Tested By: Navarro, Susana
 Rotation: Gear Ratio: 1:1
 Special Cond: Bearing Friction: -0.56 Oz-Ft
 Speed Conn: Windage Torque: -5.39 Oz-Ft
 TestBoard: CMD InLine Three Phase #2 Fixture #1

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
	115.0	118.5	119.5	155.91	14870	36	199.9	0.085	0.4	82.9
	115.0	122.2	113.6	155.13	14868	388	186.3	0.860	4.3	83.3
	115.0	126.5	108.8	154.16	14874	684	191.4	1.559	7.8	83.9
	115.0	131.8	104.9	153.11	14899	967	198.9	2.291	11.5	84.6
	115.0	138.3	102.8	152.15	14967	1242	203.7	3.013	15.0	85.5
	115.0	143.4	99.8	150.83	14966	1482	205.7	3.630	18.1	86.3
	115.0	149.5	97.0	149.21	14932	1710	208.2	4.239	21.2	87.0
	115.0	156.6	95.8	147.71	14915	1918	208.5	4.760	23.8	87.8
PUT OZ-FT	115.0	76.1	103.6	115.67	10397	2045	122.8	2.991	21.5	78.2
	115.0	79.9	104.7	113.62	10301	2118	129.3	3.260	23.6	78.8
	115.0	90.3	109.0	107.71	9980	2296	141.5	3.868	28.9	80.6
	115.0	101.1	115.0	101.25	9592	2460	151.3	4.432	34.5	82.4
	115.0	111.7	122.4	94.55	9150	2606	157.7	4.892	39.9	84.1
	115.0	123.2	131.6	87.04	8612	2747	162.4	5.312	46.0	86.0
	115.0	134.1	141.5	79.49	8024	2870	162.3	5.546	51.6	87.8
	115.0	144.4	151.7	72.16	7409	2975	158.8	5.625	56.6	89.3
	115.0	155.1	163.0	64.15	6704	3076	151.9	5.562	61.9	90.9
	115.0	165.2	174.3	56.33	5972	3165	142.2	5.356	66.9	92.2
	115.0	174.6	185.4	48.77	5233	3242	129.3	4.992	71.2	93.3
	115.0	183.2	196.1	41.45	4492	3310	114.5	4.510	74.9	94.2
	115.0	190.9	205.9	34.75	3788	3368	98.6	3.953	77.9	94.8
	115.0	197.6	215.0	28.42	3103	3420	81.4	3.316	79.7	94.9
	115.0	203.0	222.6	23.11	2513	3460	65.8	2.712	80.5	94.6
	115.0	207.6	229.2	18.36	1974	3496	50.7	2.111	79.8	93.5
	115.0	211.3	234.9	14.23	1487	3527	36.2	1.518	76.1	90.9
	115.0	213.5	238.8	11.59	1156	3547	26.3	1.109	71.6	86.7
	115.0	215.8	242.9	9.31	854	3565	17.2	0.732	64.0	79.8
	115.0	216.8	245.8	7.92	638	3578	10.2	0.434	50.8	70.0
	115.0	218.4	249.3	7.02	455	3587	4.7	0.200	32.7	56.4
	115.0	219.4	250.6	6.62	353	3594	1.4	0.061	12.9	46.3
	115.0	219.7	250.8	6.51	309	3595	0.2	0.007	1.6	41.3

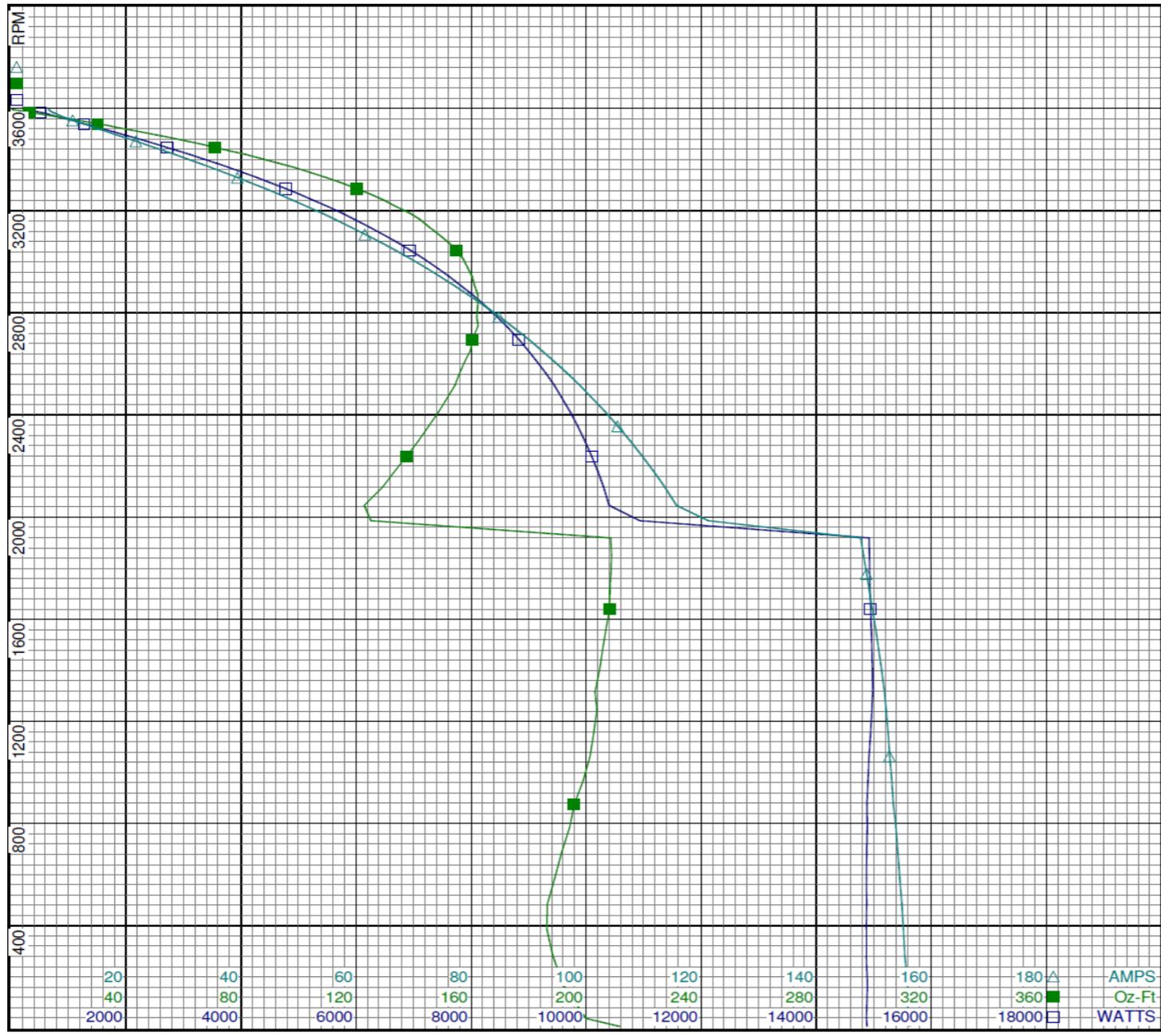
DRAWING NO. PAGE 1 of 8 REV.
5JE13BG -

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

Performance Data



5JE13BG REV. -



Dayton

Curve Descriptions:
Motor(1) Test 3 Start 115V 60 Hz 2P

- SPEED vs WATTS
- SPEED vs TORQUE
- △ SPEED vs ILine

Motor Ratings:
(1) T063-CPD2302 5JE13BG

DRAWING NO.	PAGE 2 of 8	REV.
	5JE13BG	-

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

Performance Data



5JE13BG	REV. -
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Dayton Manufacturing Company

Motor Description

Model: T063-CPD2302 5JE13BG
 Motor ID: 1 of 1
 Poles: 2
 Volts: 115/230
 Frequency: 60
 HP: 3
 Speed: 3450
 Phase: 1
 Protector: -

Test Conditions

Test Type: Run
 Test Number: 2
 Poles: 2
 Volts: 115
 Hz: 60
 Rotation:
 Special Cond:
 Speed Conn:
 TestBoard: CMD InLine Three Phase #2 Fixture #1
 Run Cap: 60 µFd
 Start Cap: 746 µFd
 Environment: 23.8 Deg C 58 % RH 974 hPa
 Tested: 11/10/2016 10:38:15 AM
 Tested By: Navarro, Susana
 Gear Ratio: 1:1
 Bearing Friction: -0.53 Oz-Ft
 Windage Torque: -3.79 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
	115.0	219.3	250.7	6.60	285	3595	0.0	0.000	0.0	37.5
	115.0	219.3	249.9	6.74	374	3590	2.5	0.108	21.5	48.2
	115.0	218.8	248.3	7.50	547	3582	7.2	0.309	42.1	63.4
	115.0	216.7	244.7	8.86	783	3569	15.3	0.651	62.0	76.9
	115.0	214.4	240.9	10.95	1069	3553	24.6	1.038	72.5	84.9
	115.0	211.5	236.2	13.70	1419	3534	35.5	1.494	78.5	90.1
	115.0	207.9	230.3	17.78	1906	3506	49.4	2.063	80.8	93.2
	115.0	203.8	224.1	22.20	2412	3476	64.2	2.656	82.1	94.5
73 OZ-FT	115.0	201.2	220.1	25.17	2744	3456	73.0	3.003	81.6	94.8
3 HP	115.0	201.2	220.2	25.14	2742	3456	72.9	3.000	81.6	94.8
	115.0	198.0	215.5	28.49	3111	3432	83.0	3.391	81.3	95.0
84 OZ-FT	115.0	197.6	215.0	28.82	3148	3430	84.0	3.430	81.3	95.0
3.45 HP	115.0	197.5	214.8	29.00	3167	3429	84.5	3.450	81.3	95.0
	115.0	191.5	206.5	34.98	3814	3385	101.1	4.076	79.7	94.8
	115.0	183.8	196.1	42.33	4586	3329	119.5	4.736	77.0	94.2
	115.0	175.0	185.0	50.13	5377	3264	135.5	5.265	73.0	93.3
	115.0	165.9	174.0	57.88	6131	3193	149.5	5.683	69.1	92.1
	115.0	155.6	162.1	66.24	6904	3108	161.0	5.956	64.4	90.6
	115.0	144.8	150.5	74.59	7631	3012	169.2	6.066	59.3	89.0
	115.0	133.7	139.4	82.83	8302	2904	173.0	5.981	53.7	87.2
BDT OZ-FT	115.0	126.5	132.7	87.90	8688	2828	173.5	5.842	50.2	86.0
	115.0	122.7	129.4	90.54	8883	2786	173.2	5.746	48.3	85.3
	115.0	112.0	120.8	97.65	9374	2658	170.0	5.380	42.8	83.5
	115.0	101.0	113.2	104.58	9808	2510	162.7	4.861	37.0	81.6
	115.0	90.5	107.4	110.76	10156	2351	153.1	4.286	31.5	79.7
	115.0	80.3	103.4	116.34	10438	2176	141.2	3.659	26.1	78.0
	115.0	70.6	101.0	121.27	10657	1988	127.3	3.014	21.1	76.4
	115.0	61.4	100.3	125.44	10816	1787	112.4	2.391	16.5	75.0
	115.0	144.8	101.2	152.39	15112	1560	220.8	4.102	20.2	86.2
	115.0	139.7	104.0	153.21	15097	1322	217.0	3.415	16.9	85.7
	115.0	134.3	105.4	153.34	14989	1069	213.4	2.714	13.5	85.0
	115.0	128.6	107.5	153.50	14894	792	206.0	1.941	9.7	84.4
	115.0	124.1	111.1	153.62	14839	502	199.2	1.191	6.0	84.0
	115.0	120.4	115.3	153.56	14793	183	205.6	0.449	2.3	83.8

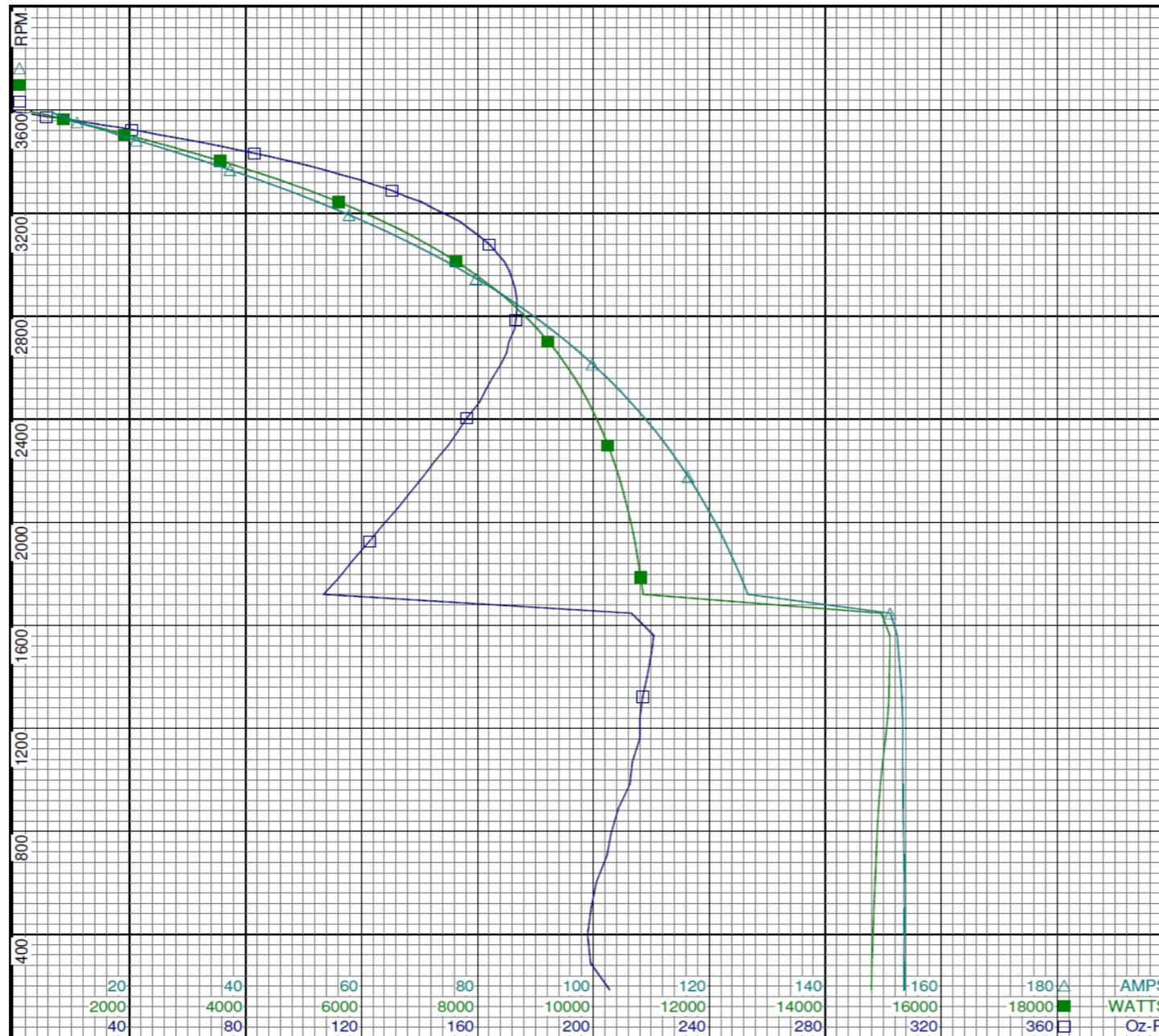
DRAWING NO.	PAGE 3 of 8	REV.
5JE13BG		-

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

Performance Data



5JE13BG REV. -



Curve Descriptions:
 Motor(1) Test 2 Run 115V 60 Hz 2P

- SPEED vs TORQUE
- SPEED vs WATTS
- △ SPEED vs ILine

Motor Ratings:
 (1) T063-CPD2302 5JE13BG

DRAWING NO.	PAGE 4 of 8	REV.
5JE13BG		-

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

Performance Data

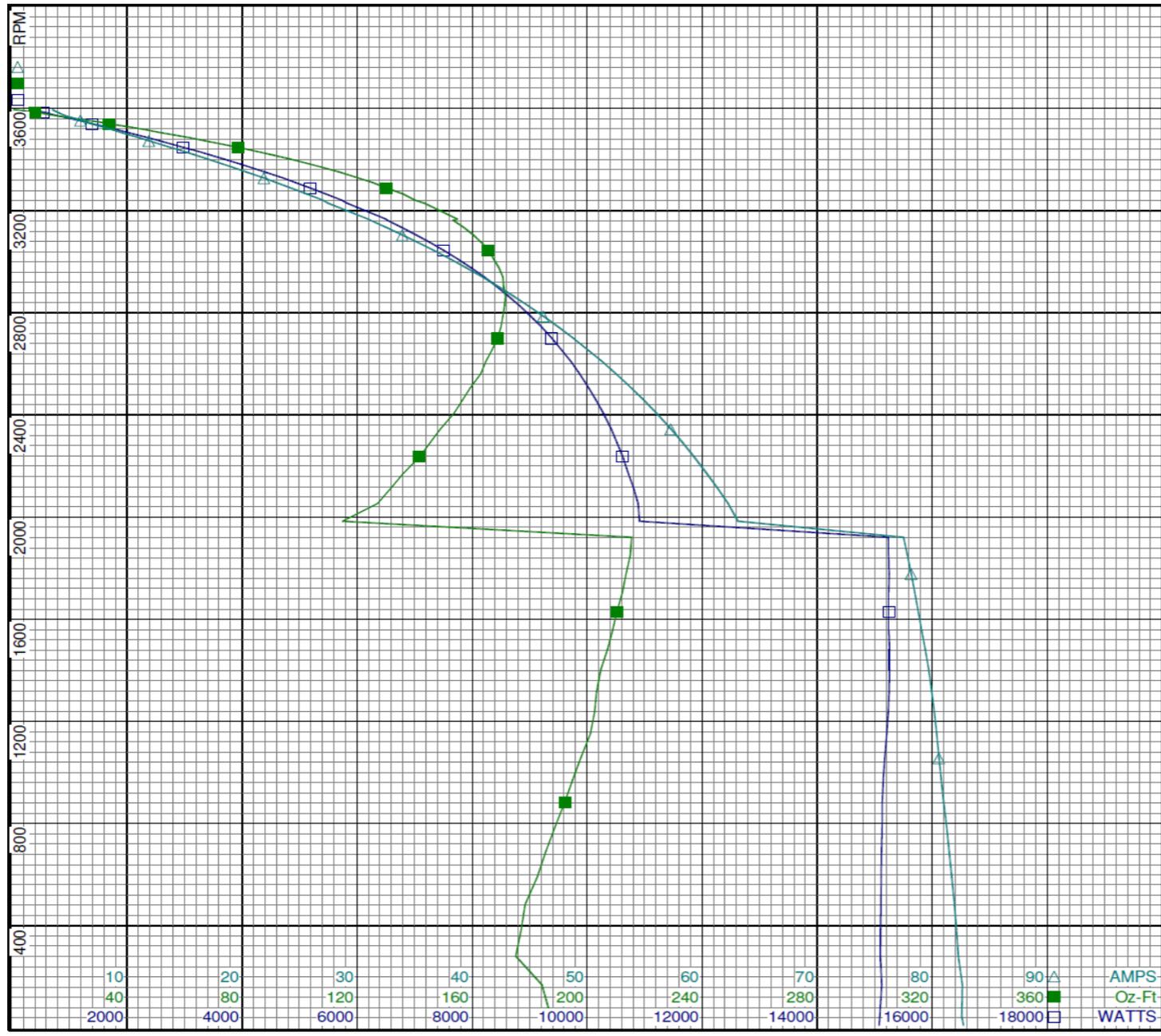


5JE13BG		REV.
Dayton Manufacturing Company		
Motor Description		Test Conditions
Model:	T063-CPD2302 5JE13BG	Test Type: Start
Motor ID:	1 of 1	Test Number: 7
Poles:	2	Poles: 2
Volts:	115/230	Volts: 230
Frequency:	60	Hz: 60
HP:	3	Rotation:
Speed:	3450	Special Cond:
Phase:	1	Speed Conn:
Protector:	-	TestBoard: CMD InLine Three Phase #2 Fixture #1
Run Cap:	60 µFd	
Start Cap:	746 µFd	
Environment:	23.8 Deg C 58 % RH 974 hPa	
Tested:	11/10/2016 10:29:58 AM	
Tested By:	Navarro, Susana	
Gear Ratio:	1:1	
Bearing Friction:	-0.59 Oz-Ft	
Windage Torque:	-5.36 Oz-Ft	
Special Points	Vline (V)	Vaux (V)
	Vcap (V)	Iline (A)
	Watts	RPM
	Tq (Oz-ft)	HP
	Eff (%)	PF (%)
	230.0	108.8
	230.0	112.4
	230.0	116.8
	230.0	122.2
	230.0	128.4
	230.0	133.8
	230.0	140.0
	230.0	147.6
PUT OZ-FT	230.0	69.7
	230.0	76.1
	230.0	86.1
	230.0	97.0
	230.0	107.7
	230.0	118.6
	230.0	129.6
	230.0	140.5
	230.0	151.0
	230.0	161.2
	230.0	170.7
	230.0	180.1
	230.0	188.1
	230.0	195.0
	230.0	200.9
	230.0	205.4
	230.0	209.2
	230.0	212.0
	230.0	214.1
	230.0	215.3
	230.0	217.1
	230.0	217.9
	230.0	218.4
	117.7	82.57
	112.1	82.09
	107.3	81.47
	103.5	80.78
	101.6	80.18
	98.7	79.40
	96.0	78.49
	94.8	77.51
	101.6	61.27
	105.6	58.29
	111.6	54.87
	118.9	51.31
	127.6	47.50
	137.4	43.52
	148.0	39.42
	159.1	35.25
	170.2	31.15
	181.4	27.04
	192.6	22.97
	202.8	19.28
	212.0	15.85
	220.0	12.85
	227.0	10.22
	232.6	8.04
	237.3	6.41
	241.0	5.13
	244.2	4.25
	247.5	3.80
	249.0	3.57
	249.6	3.51
	15086	43
	15100	386
	15117	689
	15149	971
	15237	1235
	15254	1481
	15245	1704
	15239	1920
	10909	1983
	10799	2116
	10517	2291
	10148	2459
	9718	2608
	9205	2743
	8620	2866
	7970	2977
	7261	3075
	6521	3162
	5738	3240
	4928	3309
	4166	3367
	3433	3418
	2775	3460
	2180	3495
	1671	3525
	1269	3547
	929	3564
	666	3578
	490	3588
	372	3594
	330	3595
	187.3	0.097
	177.0	0.813
	185.5	1.521
	195.0	2.254
	202.6	2.979
	207.1	3.650
	212.2	4.306
	215.4	4.923
	114.9	2.713
	132.0	3.325
	145.3	3.964
	156.7	4.588
	164.8	5.115
	170.0	5.553
	171.5	5.852
	169.3	5.999
	163.1	5.973
	153.3	5.771
	140.2	5.407
	125.4	4.941
	108.3	4.342
	90.2	3.671
	73.0	3.008
	56.5	2.353
	42.0	1.760
	29.9	1.261
	19.5	0.828
	11.5	0.490
	6.0	0.258
	2.0	0.084
	0.5	0.020
	0.5	0.5
	4.0	4.0
	7.5	7.5
	11.1	11.1
	14.6	14.6
	17.9	17.9
	21.1	21.1
	24.1	24.1
	18.6	18.6
	23.0	23.0
	28.1	28.1
	33.7	33.7
	39.3	39.3
	45.0	45.0
	50.7	50.7
	56.1	56.1
	61.4	61.4
	66.0	66.0
	70.3	70.3
	74.8	74.8
	77.8	77.8
	79.8	79.8
	80.9	80.9
	80.5	80.5
	78.6	78.6
	74.1	74.1
	66.5	66.5
	54.9	54.9
	39.2	39.2
	16.9	16.9
	4.6	4.6
	79.4	79.4
	80.0	80.0
	80.7	80.7
	81.5	81.5
	82.6	82.6
	83.5	83.5
	84.4	84.4
	85.5	85.5
	75.2	75.2
	76.6	76.6
	78.5	78.5
	80.4	80.4
	82.4	82.4
	84.3	84.3
	86.1	86.1
	87.9	87.9
	89.6	89.6
	91.0	91.0
	92.3	92.3
	93.3	93.3
	93.9	93.9
	94.2	94.2
	93.9	93.9
	92.8	92.8
	90.3	90.3
	86.1	86.1
	78.7	78.7
	68.2	68.2
	56.1	56.1
	45.3	45.3
	41.0	41.0
DRAWING NO.	PAGE 5 of 8	REV.
5JE13BG		-

Performance Data



5JE13BG REV. -



Dayton

Curve Descriptions:
Motor(1) Test 7 Start 230V 60 Hz 2P

- SPEED vs WATTS
- SPEED vs TORQUE
- △ SPEED vs ILine

Motor Ratings:
(1) T063-CPD2302 5JE13BG

DRAWING NO.	PAGE 6 of 8	REV.
	5JE13BG	-

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

Performance Data



5JE13BG	REV. -
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Dayton Manufacturing Company

Motor Description

Model: T063-CPD2302 5JE13BG
 Motor ID: 1 of 1
 Poles: 2
 Volts: 115/230
 Frequency: 60
 HP: 3
 Speed: 3450
 Phase: 1
 Protector: -

Test Conditions

Test Type: Run
 Test Number: 6
 Poles: 2
 Volts: 230
 Hz: 60
 Rotation:
 Special Cond:
 Speed Conn:
 TestBoard: CMD InLine Three Phase #2 Fixture #1
 Run Cap: 60 μ Fd
 Start Cap: 746 μ Fd
 Environment: 23.8 Deg C 58 % RH 974 hPa
 Tested: 11/10/2016 10:28:47 AM
 Tested By: Navarro, Susana
 Gear Ratio: 1:1
 Bearing Friction: -0.64 Oz-Ft
 Windage Torque: -3.11 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
	230.0	218.6	249.7	3.65	359	3593	0.0	0.000	0.0	42.7
	230.0	218.6	249.1	3.81	452	3587	3.4	0.146	24.1	51.5
	230.0	216.5	245.6	4.37	683	3578	9.8	0.417	45.6	67.8
	230.0	213.7	240.9	5.29	967	3565	19.6	0.830	64.0	79.5
	230.0	211.1	236.6	6.79	1356	3547	31.6	1.333	73.4	86.9
	230.0	207.9	231.4	8.68	1817	3524	45.2	1.898	77.9	91.1
	230.0	204.0	225.4	11.04	2364	3497	61.1	2.544	80.3	93.1
73 OZ-FT	230.0	200.9	220.6	12.90	2782	3476	73.0	3.020	81.0	93.7
3 HP	230.0	201.1	220.8	12.82	2764	3477	72.5	3.000	81.0	93.7
	230.0	198.7	217.2	14.28	3088	3460	81.3	3.347	80.9	94.0
84 OZ-FT	230.0	197.9	216.0	14.73	3187	3454	84.0	3.454	80.8	94.1
3.45 HP	230.0	197.9	216.0	14.72	3184	3454	83.9	3.450	80.8	94.1
	230.0	192.4	208.4	17.68	3824	3418	100.5	4.091	79.8	94.1
	230.0	185.6	199.1	21.24	4572	3372	118.7	4.765	77.8	93.6
	230.0	176.5	187.2	25.81	5498	3309	139.0	5.476	74.3	92.6
	230.0	166.8	175.4	30.31	6368	3241	155.6	6.002	70.3	91.3
	230.0	156.8	163.6	34.78	7184	3165	168.7	6.356	66.0	89.8
	230.0	145.9	151.5	39.41	7978	3075	177.6	6.503	60.8	88.0
	230.0	135.1	140.4	43.78	8670	2978	182.9	6.484	55.8	86.1
BDT OZ-FT	230.0	127.6	133.1	46.71	9105	2904	183.8	6.354	52.1	84.7
	230.0	124.1	129.9	47.99	9284	2868	183.5	6.266	50.3	84.1
	230.0	112.9	120.4	52.05	9822	2744	180.0	5.879	44.7	82.0
	230.0	102.1	112.4	55.77	10259	2606	173.4	5.379	39.1	80.0
	230.0	91.9	106.1	59.05	10597	2459	163.4	4.784	33.7	78.0
	230.0	81.7	101.4	62.09	10877	2293	151.0	4.123	28.3	76.2
	230.0	72.1	98.5	64.71	11082	2116	137.1	3.453	23.2	74.5
	230.0	62.9	97.1	67.01	11230	1921	121.1	2.769	18.4	72.9
	230.0	54.2	97.3	68.97	11336	1709	104.0	2.116	13.9	71.5
	230.0	132.9	101.3	80.87	15421	1490	219.4	3.894	18.8	82.9
	230.0	128.1	103.9	81.14	15355	1247	212.3	3.152	15.3	82.3
	230.0	122.4	104.8	81.19	15220	982	206.4	2.413	11.8	81.5
	230.0	117.1	107.6	81.32	15137	693	195.4	1.612	7.9	80.9
	230.0	113.0	111.1	81.32	15081	399	188.5	0.896	4.4	80.6

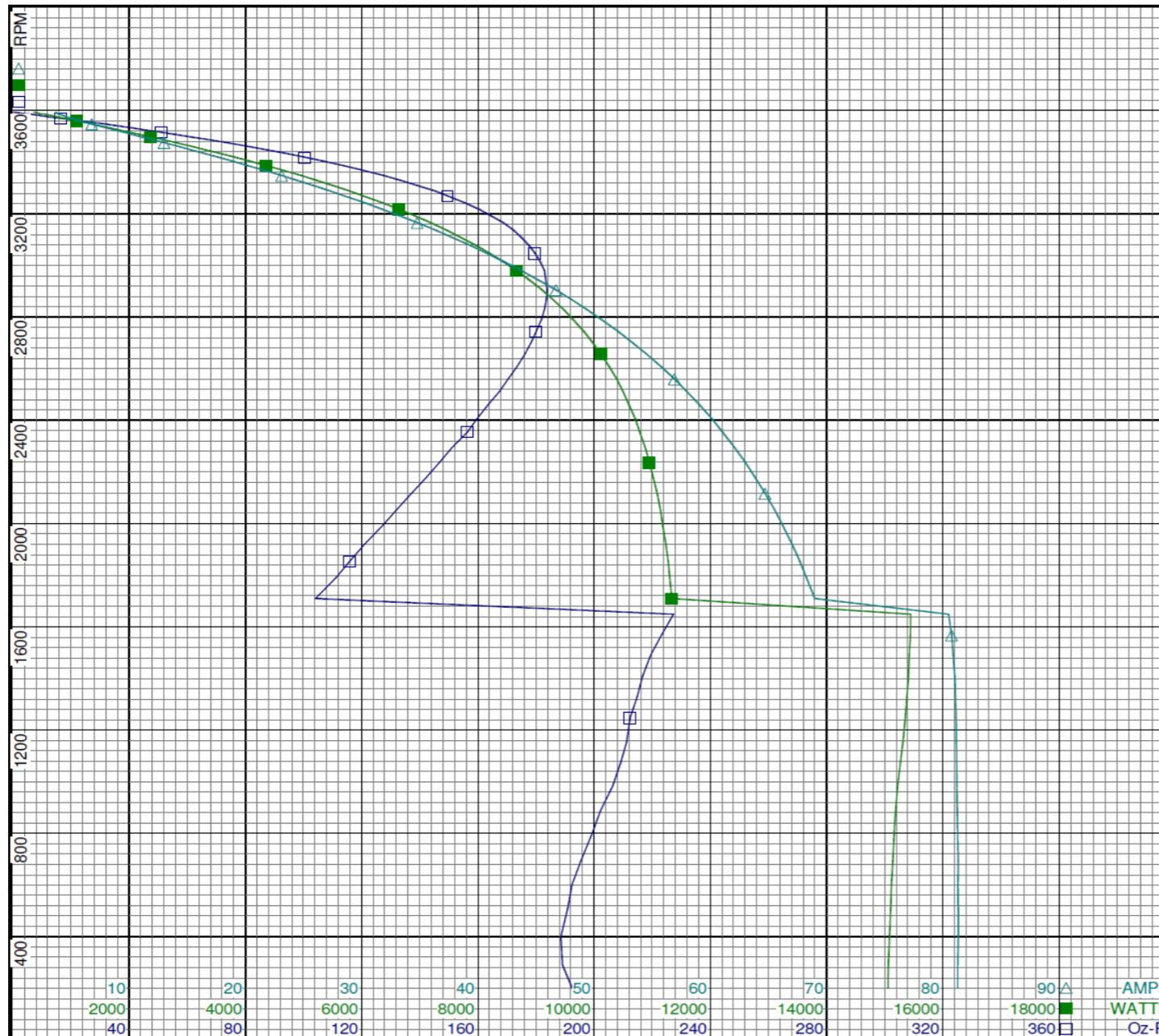
DRAWING NO.	PAGE 7 of 8	REV.
5JE13BG		-

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Performance Data



5JE13BG REV. -



Curve Descriptions:
 Motor(1) Test 6 Run 230V 60 Hz 2P

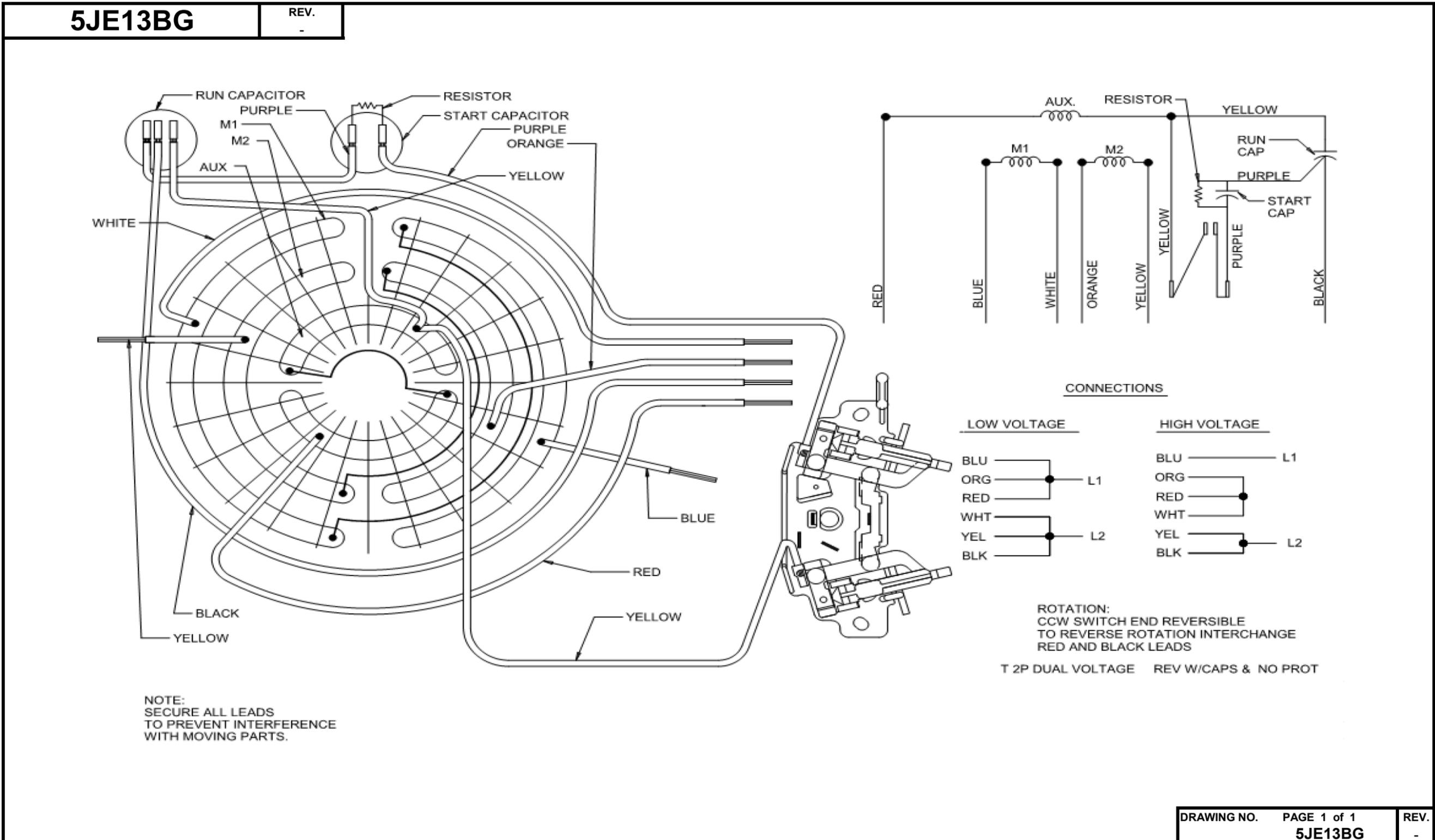
- SPEED vs TORQUE
- SPEED vs WATTS
- △ SPEED vs ILine

Motor Ratings:
 (1) T063-CPD2302 5JE13BG

DRAWING NO.	PAGE 8 of 8	REV.
5JE13BG		-

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Wiring Diagram

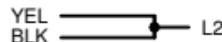
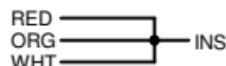
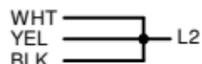
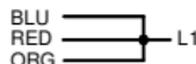


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Dayton[®]**INDUSTRIAL MOTOR****HP:** 3**VOLTS:** 115/230**AMPS:** 25.8/13.2**RPM:** 3450**DUTY:** CONT**SF:** 1.15**KVA CODE:** B**ENCL:** ODP**THERMALLY PROTECTED:** NONEMFG. NO. PROT. CODE: **MTR REF:** T63CPD-2302Part No **5JE13BG****PH:** 1**HZ:** 60**FR:** 145T**INS CL:** B**AMB:** 40 °C**SFA:** 29.6/15.1AVG. F.L.
EFF.**Disconnect Power Before Making
Any Electrical Connections or Changes****CONNECTIONS**

LOW VOLTAGE

HIGH VOLTAGE

**MOTOR IS CCW ROTATION LEAD END
TO REVERSE ROTATION INTERCHANGE
RED AND BLACK LEADS**

E47479



258501

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

Made in Mexico