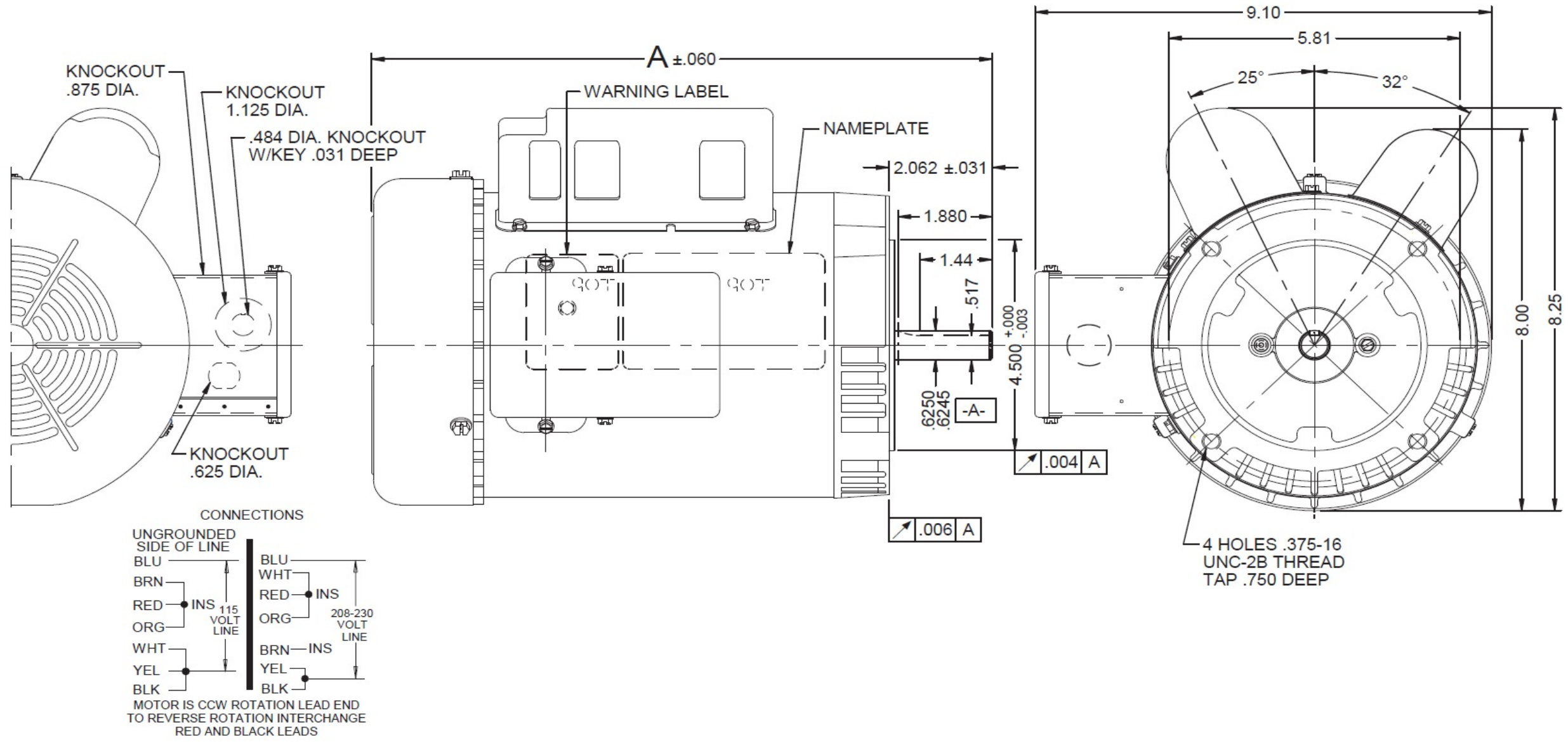


# Dimensional Drawing

**6K832BG**

REV.  
-

VAR	MODEL	CUST. PT. NO.	A	B	C	D	HP	VOLTS	SF	AMPS	HZ	RPM	CONN VOLTS	PROT.	DESCRIPTION / REMARKS
001	T63CXCZR-2281	6K832BG	12.89	---	---	---	1 1/2	115/208-230	1.15	14.6/8.1-7.4	60	3450	---	AUTO	56C, TEFC, BALL BEARING



DRAWING NO.	PAGE 1 of 1	REV.
6K832BG		-

# Performance Data



**6K832BG**

REV.

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## MOTOR PERFORMANCE

<b>HP:</b>	1 1/5 HP						
<b>Poles:</b>	2						
<b>No. of Speeds:</b>	1						
<b>Volts:</b>	115/208-230	<b>115</b>	<b>208</b>	<b>230</b>			
<b>HZ:</b>	60	<b>60</b>	<b>60</b>	<b>60</b>			
<b>Service Factor:</b>	1						
<b>Efficiency:</b>	@ Rated Load	76.3	81.3	80.4			
<b>Power Factor:</b>	@ Rated Load	92.9	93.7	92			
<b>Amps:</b>	@ No Load						
	@ Rated Load	13.8	7.1	6.6			
	@ Service Factor	NA	NA	NA			
	@ Locked Rotor	85	38.5	42.5			
<b>RPM:</b>	@ Rated Load	3497	3476	3500			
<b>Ambient (°C):</b>							
<b>Altitude (FASL):</b>							
<b>Torques:</b>	Breakdown	92.7	74.5	92.6			
	Locked Rotor	84.3	64.3	78.5			
	Pull-Up	74.1	54.7	68.9			
	Rated Load	36	36.3	36			
	Service Factor	NA	NA	NA			
<b>Watts:</b>	Rated Load	1469	1377	1396			
<b>KVA Code:</b>							
<b>Temperature Rise:</b>	@ Rated Load	51.4	51.2	50.1			
	@ Service Factor	NA	NA	NA			
<b>Thermal Protector:</b>	Trip Temp (°C)	114.9	118.1	117.5			
<b>Winding Material:</b>	Start (Auxiliary)	CU	CU	CU			
	Run (Main)	CU	CU	CU			
<b>Capacitor(s):</b>	Start (MFD / Volts)						
	No. of Start Capacitors			519 mFd, 110v			
	Run (MFD / Volts)						
	No. of Run Capacitors			30 mFd, 370v			

### LOW SPEED PERFORMANCE DATA:

<b>HP:</b>							
<b>Poles:</b>							
<b>Volts:</b>							
<b>HZ:</b>							
<b>Efficiency:</b>	@ Rated Load						
<b>Power Factor:</b>	@ Rated Load						
<b>Amps:</b>	@ No Load						
	@ Rated Load						
	@ Service Factor						
	@ Locked Rotor						
<b>Torques:</b>	@ Rated Load						
	Locked Rotor						
	Pull-Up						
	Rated Load						
	Service Factor						
<b>Watts:</b>	@ Rated Load						
<b>Temperature Rise:</b>	@ Rated Load						
	@ Service Factor						

DRAWING NO. PAGE 1 REV.  
6K832BG -

# Performance Data



**6K832BG**      REV.  
-

## Dayton Manufacturing Company

### Motor Description

Model: **T063CZR2281015E 6K832**  
 Motor ID: 1 of 3  
 Poles: 2  
 Volts: 115/208-230  
 Frequency: 60  
 HP: 1 1/2  
 Speed: 3450  
 Phase: 1  
 Protector: CEJ49CV

### Test Conditions

Test Type: Start  
 Test Number: 1  
 Poles: 2  
 Volts: 115  
 Hz: 60  
 Rotation:  
 Special Cond:  
 Speed Conn: 3 line  
 TestBoard: Amtps Performance Fixture #1  
 Run Cap: 30 µFd  
 Start Cap: 519 µFd  
 Environment:  
 Tested: 6/22/2005 1:22:10 PM  
 Tested By: Sharp, Gerald  
 Gear Ratio: 1:1  
 Bearing Friction: -0.56 Oz-Ft  
 Windage Torque: -3.37 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Imain (A)	Iaux (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)	Cap
	115.0	97.1	121.1	85.33	80.82	25.64	8090	11	84.34	0.011	0.1	82.4	561.5
	115.0	97.2	120.3	85.03	80.33	25.46	8067	81	82.87	0.080	0.7	82.5	561.5
<b>PUT OZ-FT</b>	<b>115.0</b>	<b>98.4</b>	<b>117.9</b>	<b>85.20</b>	<b>80.05</b>	<b>24.93</b>	<b>8079</b>	<b>310</b>	<b>74.11</b>	<b>0.274</b>	<b>2.5</b>	<b>82.5</b>	<b>561.0</b>
	115.0	98.7	117.2	85.15	79.86	24.79	8077	365	75.30	0.327	3.0	82.5	561.0
	115.0	100.4	114.5	84.94	78.89	24.22	8098	638	81.09	0.616	5.7	82.9	561.2
	115.0	102.3	112.0	84.59	77.77	23.65	8113	889	88.73	0.939	8.6	83.4	560.2
	115.0	104.5	109.1	84.21	76.55	23.00	8126	1121	95.76	1.278	11.7	83.9	559.4
	115.0	107.3	106.2	83.88	75.17	22.42	8170	1336	102.26	1.626	14.8	84.7	560.0
	115.0	110.3	104.1	83.56	73.87	21.91	8204	1535	109.68	2.004	18.2	85.4	558.4
	115.0	113.9	101.7	83.14	72.39	21.41	8241	1720	114.91	2.353	21.3	86.2	558.1
	115.0	117.5	99.7	82.66	70.82	20.94	8270	1892	120.26	2.708	24.4	87.0	557.0
	115.0	121.7	98.0	82.14	69.19	20.55	8302	2050	126.18	3.080	27.7	87.9	556.3
	115.0	126.3	96.5	81.60	67.49	20.24	8338	2197	130.59	3.416	30.6	88.8	556.3
	115.0	131.3	95.5	81.04	65.74	20.02	8361	2333	134.13	3.726	33.2	89.7	556.0
	115.0	136.7	95.2	80.49	64.08	19.92	8388	2458	137.44	4.022	35.8	90.6	554.8
	115.0	143.1	95.7	79.92	62.35	19.98	8415	2573	138.62	4.246	37.6	91.6	554.0
	115.0	149.0	96.2	79.28	60.49	20.16	8431	2681	140.05	4.471	39.6	92.5	555.7
	115.0	156.1	97.9	78.68	58.83	20.53	8455	2779	139.95	4.629	40.8	93.5	556.3
	115.0	163.2	100.2	78.09	57.23	21.05	8464	2869	138.44	4.728	41.7	94.3	557.0
	115.0	170.2	103.2	77.51	55.73	21.72	8461	2951	134.59	4.728	41.7	94.9	558.4
	115.0	177.6	107.0	76.94	54.33	22.58	8462	3024	129.49	4.662	41.1	95.6	559.4
	115.0	185.5	112.0	76.30	52.87	23.70	8449	3094	123.78	4.558	40.2	96.3	561.1
	115.0	193.0	117.4	75.61	51.41	24.92	8433	3156	119.75	4.499	39.8	97.0	563.1
	115.0	201.0	123.5	74.84	49.94	26.37	8409	3215	109.34	4.185	37.1	97.7	566.4
	115.0	208.5	130.1	73.96	48.52	27.91	8353	3269	92.37	3.595	32.1	98.2	568.9
	115.0	215.5	136.5	72.98	47.08	29.45	8281	3319	88.84	3.510	31.6	98.7	572.4
	115.0	222.3	142.9	71.86	45.66	31.07	8190	3365	66.53	2.665	24.3	99.1	576.9
	115.0	228.7	149.1	70.59	44.21	32.67	8068	3408	58.04	2.355	21.8	99.4	581.2
	115.0	234.1	154.9	69.22	42.84	34.17	7931	3446	41.74	1.712	16.1	99.6	585.4
	115.0	239.8	160.8	67.46	41.24	35.82	7749	3487	18.02	0.748	7.2	99.9	590.9
	115.0	244.4	166.2	65.67	39.81	37.32	7541	3524	1.20	0.050	0.5	99.8	595.8
	115.0	244.9	166.4	65.45	39.66	37.46	7527	3529	0.00	0.000	0.0	100.0	597.2

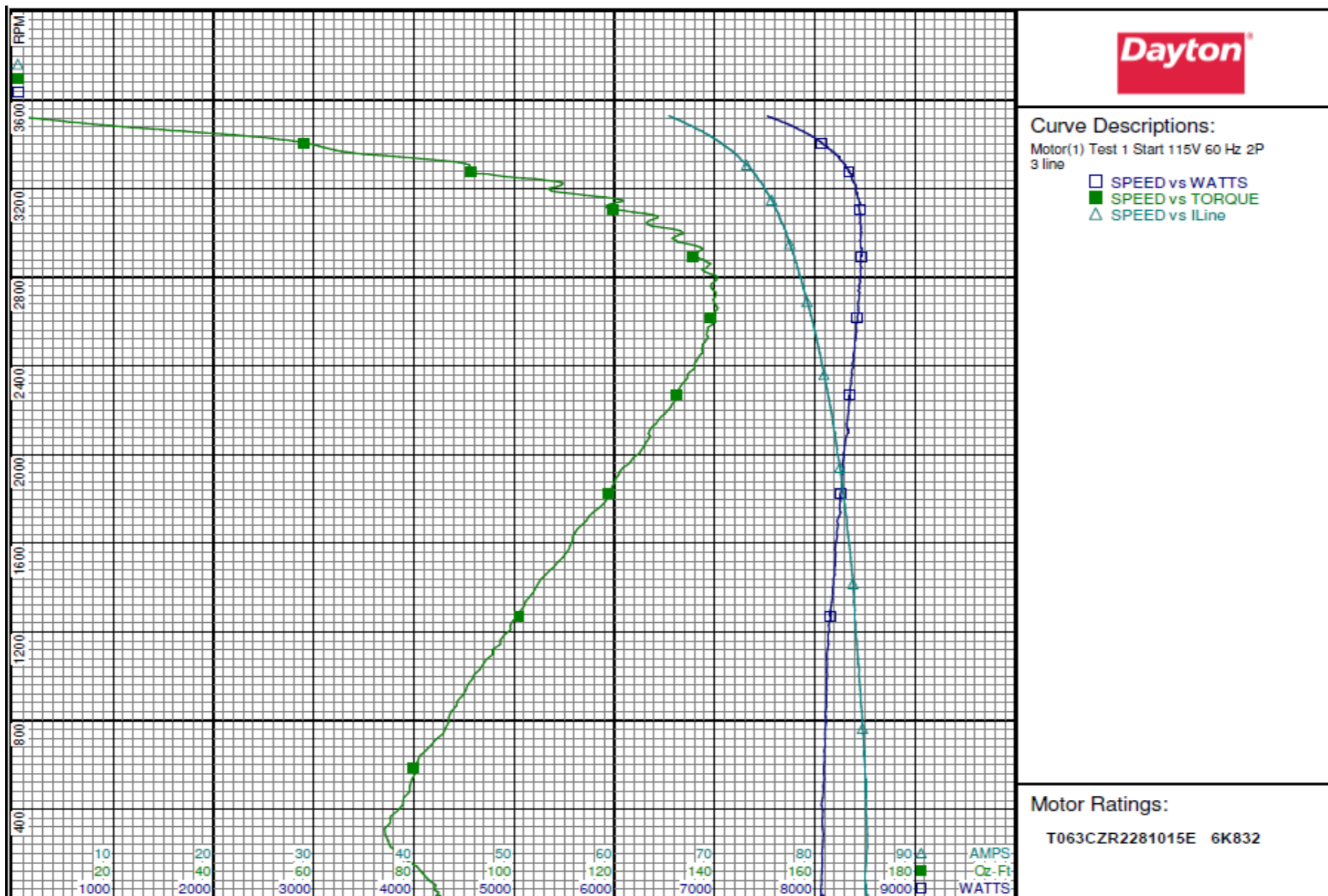
DRAWING NO.      PAGE 1 of 8      REV.  
**6K832BG**      -

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

# Performance Data



**6K832BG**      REV. -



DRAWING NO.      PAGE 2 of 8      REV.  
 6K832BG      -

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

# Performance Data



**6K832BG**      REV.  
-

## Dayton Manufacturing Company

### Motor Description

Model: **T063CZR2281015E 6K832**  
 Motor ID: 1 of 3  
 Poles: 2  
 Volts: 115/208-230  
 Frequency: 60  
 HP: 1 1/2  
 Speed: 3450  
 Phase: 1  
 Protector: CEJ49CV

### Test Conditions

Test Type: Run  
 Test Number: 2  
 Poles: 2  
 Volts: 115  
 Hz: 60  
 Rotation:  
 Special Cond:  
 Speed Conn: 3 Line  
 TestBoard: Amtps Performance Fixture #1  
 Run Cap: 30 µFd  
 Start Cap: 519 µFd  
 Environment:  
 Tested: 6/22/2005 1:21:03 PM  
 Tested By: Sharp, Gerald  
 Gear Ratio: 1:1  
 Bearing Friction: -0.33 Oz-Ft  
 Windage Torque: -3.31 Oz-Ft

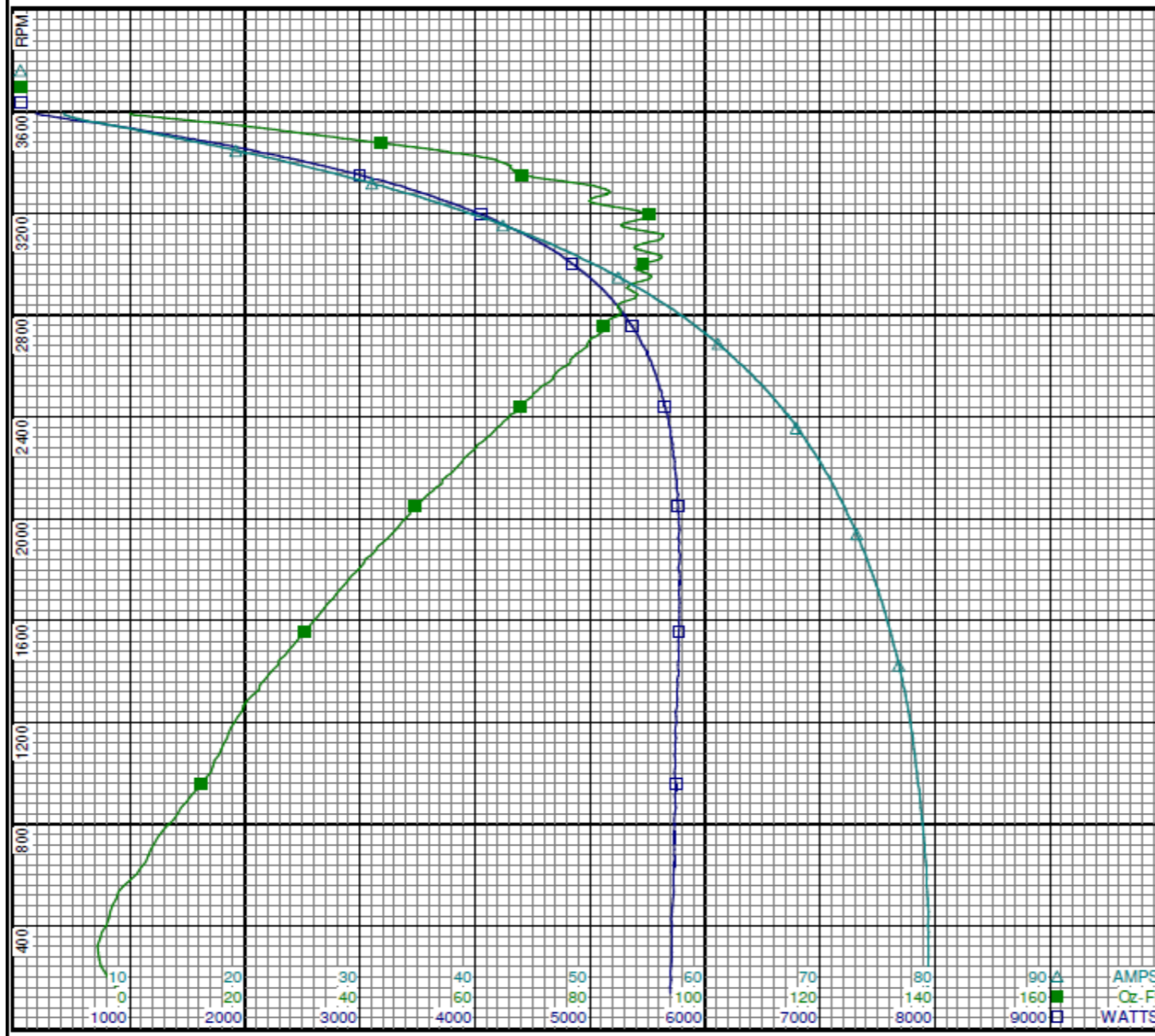
Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Imain (A)	Iaux (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)	Cap
	115.0	153.0	194.5	4.21	5.36	2.195	183	3591	0.00	0.000	0.0	37.8	29.9
<b>9.12 OZ-FT</b>	<b>115.0</b>	<b>150.5</b>	<b>188.7</b>	<b>5.77</b>	<b>5.87</b>	<b>2.128</b>	<b>485</b>	<b>3568</b>	<b>9.12</b>	<b>0.387</b>	<b>59.3</b>	<b>73.0</b>	<b>29.9</b>
	115.0	149.8	184.6	7.70	7.26	2.097	754	3552	15.98	0.676	66.8	85.2	30.1
<b>18.24 OZ-FT</b>	<b>115.0</b>	<b>148.9</b>	<b>183.4</b>	<b>8.28</b>	<b>7.75</b>	<b>2.085</b>	<b>826</b>	<b>3547</b>	<b>18.24</b>	<b>0.770</b>	<b>69.6</b>	<b>86.7</b>	<b>30.2</b>
<b>27.36 OZ-FT</b>	<b>115.0</b>	<b>146.2</b>	<b>178.0</b>	<b>11.03</b>	<b>10.23</b>	<b>2.029</b>	<b>1157</b>	<b>3522</b>	<b>27.36</b>	<b>1.147</b>	<b>74.0</b>	<b>91.2</b>	<b>30.2</b>
	115.0	145.0	175.8	12.17	11.31	2.004	1290	3511	31.10	1.300	75.2	92.2	30.2
<b>1.5 HP</b>	<b>115.0</b>	<b>143.1</b>	<b>172.8</b>	<b>13.76</b>	<b>12.84</b>	<b>1.968</b>	<b>1469</b>	<b>3497</b>	<b>36.03</b>	<b>1.500</b>	<b>76.2</b>	<b>92.8</b>	<b>30.2</b>
<b>36.48 OZ-FT</b>	<b>115.0</b>	<b>143.0</b>	<b>172.7</b>	<b>13.90</b>	<b>12.98</b>	<b>1.966</b>	<b>1485</b>	<b>3496</b>	<b>36.48</b>	<b>1.518</b>	<b>76.3</b>	<b>92.9</b>	<b>30.2</b>
<b>41.95 OZ-FT</b>	<b>115.0</b>	<b>141.0</b>	<b>169.1</b>	<b>15.67</b>	<b>14.73</b>	<b>1.928</b>	<b>1683</b>	<b>3481</b>	<b>41.95</b>	<b>1.738</b>	<b>77.1</b>	<b>93.4</b>	<b>30.2</b>
	115.0	139.8	167.0	16.68	15.72	1.906	1793	3472	45.10	1.864	77.5	93.5	30.3
<b>45.6 OZ-FT</b>	<b>115.0</b>	<b>139.6</b>	<b>166.8</b>	<b>16.81</b>	<b>15.85</b>	<b>1.904</b>	<b>1807</b>	<b>3471</b>	<b>45.60</b>	<b>1.884</b>	<b>77.8</b>	<b>93.4</b>	<b>30.3</b>
<b>3450 RPM</b>	<b>115.0</b>	<b>136.9</b>	<b>162.7</b>	<b>18.97</b>	<b>18.01</b>	<b>1.861</b>	<b>2038</b>	<b>3450</b>	<b>52.91</b>	<b>2.173</b>	<b>79.5</b>	<b>93.4</b>	<b>30.3</b>
	115.0	134.4	159.2	20.90	19.95	1.820	2242	3430	58.59	2.392	79.6	93.3	30.3
	115.0	128.5	150.8	25.04	24.15	1.731	2678	3387	66.24	2.671	74.4	93.0	30.4
	115.0	123.0	143.6	29.13	28.31	1.650	3083	3340	70.45	2.801	67.8	92.0	30.5
	115.0	116.8	135.8	33.22	32.48	1.562	3475	3289	83.19	3.258	69.9	91.0	30.5
	115.0	110.8	129.1	37.10	36.45	1.490	3816	3237	81.35	3.134	61.3	89.4	30.6
	115.0	104.5	122.3	41.09	40.52	1.418	4156	3176	88.70	3.354	60.2	88.0	30.8
<b>BDT OZ-FT</b>	<b>115.0</b>	<b>98.5</b>	<b>116.7</b>	<b>44.58</b>	<b>44.11</b>	<b>1.361</b>	<b>4433</b>	<b>3116</b>	<b>92.70</b>	<b>3.439</b>	<b>57.9</b>	<b>86.5</b>	<b>31.0</b>
	115.0	98.5	116.7	44.58	44.11	1.361	4433	3116	92.70	3.439	57.9	86.5	31.0
	115.0	92.2	111.1	48.13	47.84	1.303	4701	3047	89.97	3.264	51.8	84.9	31.1
	115.0	85.8	106.2	51.54	51.33	1.253	4933	2971	89.06	3.150	47.6	83.2	31.3
	115.0	79.7	102.4	54.80	54.71	1.211	5130	2891	87.53	3.012	43.8	81.4	31.4
	115.0	73.8	99.4	57.76	57.76	1.179	5296	2804	85.23	2.845	40.1	79.7	31.5
	115.0	67.9	97.0	60.56	60.64	1.152	5427	2708	80.24	2.587	35.6	77.9	31.5
	115.0	62.1	95.5	63.21	63.39	1.137	5538	2604	76.03	2.356	31.7	76.2	31.6
	115.0	56.7	94.8	65.60	65.86	1.131	5625	2491	70.16	2.080	27.6	74.6	31.6
	115.0	51.4	94.7	67.81	68.16	1.135	5685	2369	64.49	1.819	23.9	72.9	31.8
	115.0	46.4	95.2	69.81	70.23	1.133	5731	2237	58.06	1.546	20.1	71.4	31.6
	115.0	41.5	95.7	71.51	71.96	1.140	5766	2094	51.72	1.289	16.7	70.1	31.6
	115.0	36.7	97.1	73.19	73.71	1.154	5772	1940	45.50	1.051	13.6	68.6	31.5
	115.0	32.5	98.9	74.60	75.23	1.175	5781	1774	38.43	0.812	10.5	67.4	31.5
	115.0	28.3	100.7	75.84	76.53	1.200	5771	1596	31.84	0.605	7.8	66.2	31.6
	115.0	24.5	102.6	76.95	77.69	1.221	5765	1405	24.81	0.415	5.4	65.2	31.6
	115.0	20.3	104.6	77.84	78.64	1.224	5749	1201	18.17	0.260	3.4	64.2	31.0
	115.0	16.1	107.8	78.44	79.27	1.260	5738	980	13.17	0.154	2.0	63.6	31.0
	115.0	13.0	110.3	79.01	79.90	1.290	5731	747	4.81	0.043	0.6	63.1	31.0
	115.0	10.1	112.6	79.34	80.28	1.308	5721	507	-2.35	-0.014	0.0	62.7	30.8
<b>PUT OZ-FT</b>	<b>115.0</b>	<b>8.2</b>	<b>114.4</b>	<b>79.41</b>	<b>80.36</b>	<b>1.328</b>	<b>5709</b>	<b>322</b>	<b>-5.66</b>	<b>-0.022</b>	<b>0.0</b>	<b>62.5</b>	<b>30.8</b>
	115.0	7.6	114.9	79.41	80.38	1.332	5704	242	-5.06	-0.015	0.0	62.5	30.8

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**6K832BG**      -

# Performance Data



6K832BG REV. -



**Dayton**

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

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

Motor Ratings:  
 T063CZR2281015E 6K832

DRAWING NO. PAGE 4 of 8 REV.  
 6K832BG -

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

# Performance Data



**6K832BG**

REV.

-

## Dayton Manufacturing Company

### Motor Description

Model: **T063CZR2281015E 6K832**  
 Motor ID: 1 of 3  
 Poles: 2  
 Volts: 115/208-230  
 Frequency: 60  
 HP: 1 1/2  
 Speed: 3450  
 Phase: 1  
 Protector: CEJ49CV

### Test Conditions

Test Type: Start  
 Test Number: 9  
 Poles: 2  
 Volts: 230  
 Hz: 60  
 Rotation:  
 Special Cond:  
 Speed Conn: 3 line  
 TestBoard: Amtps Performance Fixture #1  
 Run Cap: 30  $\mu$ Fd  
 Start Cap: 519  $\mu$ Fd  
 Environment:  
 Tested: 6/22/2005 10:12:23 AM  
 Tested By: Sharp, Gerald  
 Gear Ratio: 1:1  
 Bearing Friction: -0.80 Oz-Ft  
 Windage Torque: -3.64 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Imain (A)	Iaux (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)	Cap
	230.0	186.4	109.8	43.22	40.94	23.10	7948	8	78.53	0.008	0.1	80.0	558.1
	230.0	187.2	108.9	43.11	40.66	22.94	7928	81	79.40	0.077	0.7	80.0	558.8
<b>PUT OZ-FT</b>	<b>230.0</b>	<b>189.4</b>	<b>106.6</b>	<b>43.04</b>	<b>40.18</b>	<b>22.44</b>	<b>7908</b>	<b>310</b>	<b>68.85</b>	<b>0.254</b>	<b>2.4</b>	<b>79.9</b>	<b>558.2</b>
	230.0	189.9	106.1	43.02	39.97	22.31	7914	364	69.58	0.302	2.8	80.0	557.6
	230.0	193.9	103.5	42.92	38.99	21.74	7934	637	77.30	0.586	5.5	80.4	557.2
	230.0	197.4	101.0	42.73	37.94	21.21	7953	888	84.46	0.893	8.4	80.9	557.0
	230.0	201.2	98.4	42.49	36.79	20.62	7966	1120	90.97	1.213	11.4	81.5	555.7
	230.0	205.7	96.1	42.32	35.52	20.11	8001	1335	97.26	1.546	14.4	82.2	555.1
	230.0	210.0	94.3	42.08	34.17	19.70	8036	1535	103.80	1.896	17.6	83.0	554.0
	230.0	214.6	92.1	41.79	32.73	19.28	8070	1719	110.53	2.262	20.9	84.0	555.4
	230.0	219.9	90.7	41.45	31.23	18.94	8109	1892	112.82	2.541	23.4	85.1	553.9
	230.0	224.9	89.3	41.15	29.71	18.65	8135	2050	119.74	2.922	26.8	85.9	554.1
	230.0	229.9	88.5	40.80	28.13	18.43	8139	2198	123.65	3.236	29.7	86.7	552.2
	230.0	235.7	88.1	40.42	26.47	18.33	8156	2334	126.29	3.510	32.1	87.7	552.1
	230.0	241.7	88.4	40.05	24.85	18.36	8171	2459	129.54	3.792	34.6	88.7	551.0
	230.0	248.3	88.7	39.64	23.18	18.53	8199	2574	130.97	4.013	36.5	89.9	553.8
	230.0	255.1	90.0	39.21	21.56	18.83	8211	2681	130.55	4.166	37.9	91.0	554.7
	230.0	261.6	92.6	38.84	20.03	19.27	8192	2777	129.17	4.270	38.9	91.7	552.0
	230.0	268.7	94.7	38.36	18.59	19.83	8189	2868	128.46	4.385	40.0	92.8	555.5
	230.0	275.7	98.2	37.97	17.35	20.57	8168	2949	122.78	4.310	39.4	93.5	555.3
	230.0	282.5	101.9	37.50	16.23	21.47	8136	3024	119.56	4.305	39.5	94.3	558.9
	230.0	289.9	107.1	37.03	15.32	22.58	8113	3094	111.40	4.103	37.7	95.3	559.2
	230.0	296.4	111.9	36.55	14.65	23.71	8061	3156	109.10	4.099	37.9	95.9	561.8
	230.0	303.3	117.7	36.01	14.29	25.06	8014	3216	100.07	3.831	35.7	96.7	564.9
	230.0	309.4	123.2	35.45	14.23	26.39	7937	3269	83.00	3.230	30.4	97.3	568.0
	230.0	315.2	128.8	34.83	14.45	27.74	7841	3319	80.17	3.167	30.1	97.9	571.2
	230.0	320.5	134.3	34.19	14.94	29.10	7733	3364	60.28	2.414	23.3	98.4	574.9
	230.0	325.4	139.7	33.42	15.62	30.50	7586	3407	53.55	2.172	21.4	98.7	579.0
	230.0	330.0	144.9	32.65	16.46	31.85	7436	3446	35.27	1.447	14.5	99.0	583.2
	230.0	334.3	149.9	31.77	17.58	33.24	7258	3487	16.47	0.684	7.0	99.3	588.3
	230.0	337.9	154.5	30.82	18.74	34.56	7052	3524	2.96	0.124	1.3	99.5	593.2
	230.0	338.7	155.5	30.60	18.98	34.85	7013	3532	0.00	0.000	0.0	99.6	594.6

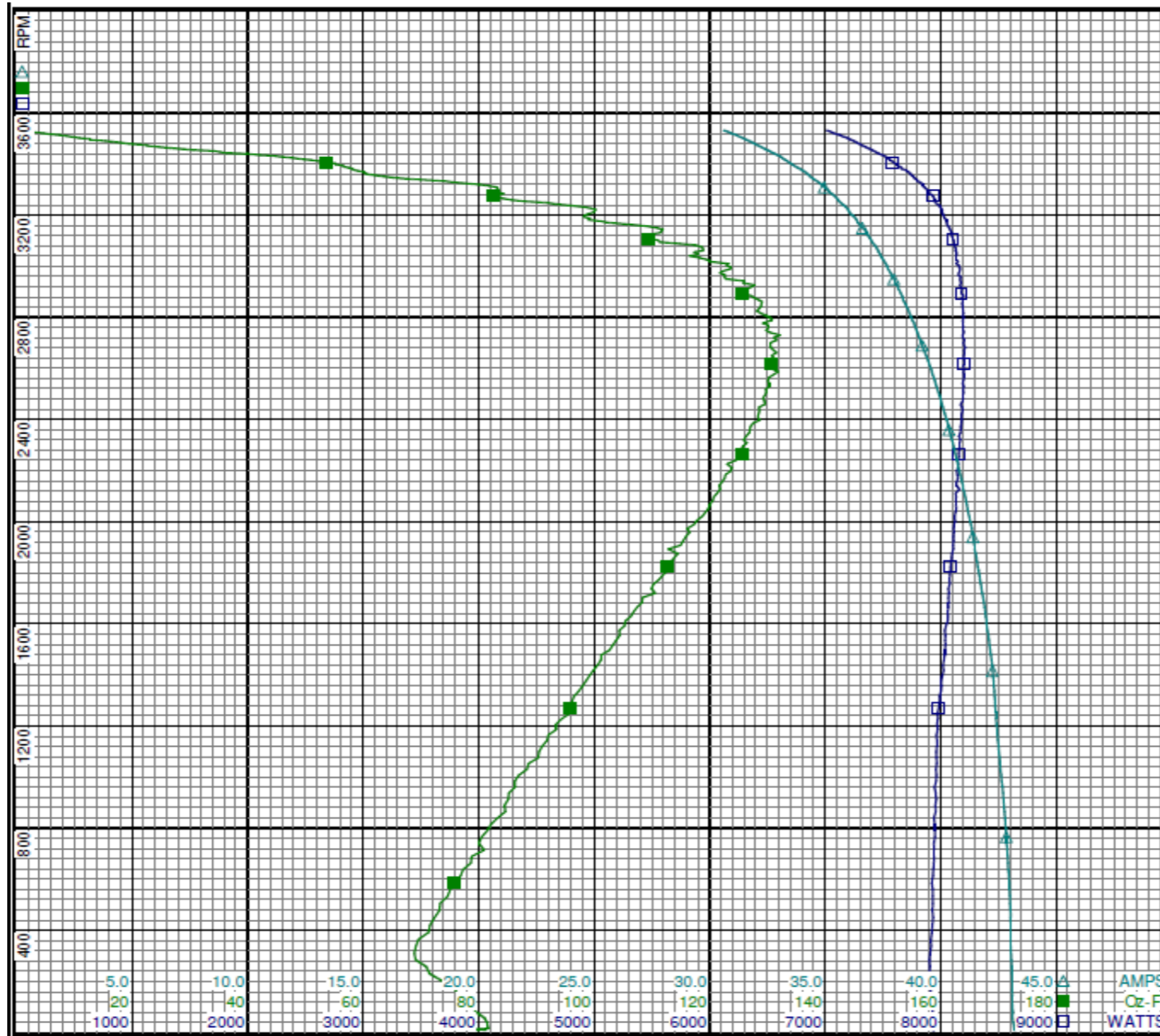
DRAWING NO. PAGE 5 of 8 REV.  
**6K832BG** -

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

# Performance Data



**6K832BG**      REV.  
-



**Dayton**

**Curve Descriptions:**  
 Motor(1) Test 9 Start 230V 60 Hz 2P  
 3 line

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

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**Motor Ratings:**  
 T063CZR2281015E 6K832

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	<b>6K832BG</b>	-

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



# Performance Data



**6K832BG**

REV.

-

## Dayton Manufacturing Company

### Motor Description

Model: **T063CZR2281015E 6K832**  
 Motor ID: 1 of 3  
 Poles: 2  
 Volts: 115/208-230  
 Frequency: 60  
 HP: 1 1/2  
 Speed: 3450  
 Phase: 1  
 Protector: CEJ49CV

### Test Conditions

Test Type: Run  
 Test Number: 10  
 Poles: 2  
 Volts: 230  
 Hz: 60  
 Rotation:  
 Special Cond:  
 Speed Conn: 3 line  
 TestBoard: Amtps Performance Fixture #1  
 Run Cap: 30  $\mu$ Fd  
 Start Cap: 519  $\mu$ Fd  
 Environment:  
 Tested: 6/22/2005 10:11:13 AM  
 Tested By: Sharp, Gerald  
 Gear Ratio: 1:1  
 Bearing Friction: -0.53 Oz-Ft  
 Windage Torque: -3.40 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Imain (A)	Iaux (A)	Watts	RPM	Tq(Oz-ft)	HP	Eff (%)	PF (%)	Cap
	230.0	189.3	193.8	2.21	3.40	2.180	218	3589	0.00	0.000	0.0	42.9	29.8
<b>9.12 OZ-FT</b>	<b>230.0</b>	<b>191.9</b>	<b>188.5</b>	<b>2.94</b>	<b>3.29</b>	<b>2.125</b>	<b>498</b>	<b>3569</b>	<b>9.12</b>	<b>0.387</b>	<b>57.9</b>	<b>73.6</b>	<b>29.9</b>
<b>18.24 OZ-FT</b>	<b>230.0</b>	<b>193.7</b>	<b>184.1</b>	<b>4.01</b>	<b>3.75</b>	<b>2.091</b>	<b>779</b>	<b>3550</b>	<b>18.24</b>	<b>0.771</b>	<b>73.8</b>	<b>84.6</b>	<b>30.1</b>
	230.0	193.7	184.0	4.02	3.75	2.090	783	3550	18.36	0.776	73.9	84.7	30.1
<b>27.36 OZ-FT</b>	<b>230.0</b>	<b>194.7</b>	<b>178.8</b>	<b>5.37</b>	<b>4.73</b>	<b>2.039</b>	<b>1111</b>	<b>3525</b>	<b>27.36</b>	<b>1.148</b>	<b>77.1</b>	<b>89.9</b>	<b>30.2</b>
	230.0	194.9	176.2	6.03	5.29	2.009	1266	3512	32.16	1.344	79.2	91.3	30.2
<b>1.5 HP</b>	<b>230.0</b>	<b>195.1</b>	<b>174.1</b>	<b>6.60</b>	<b>5.79</b>	<b>1.984</b>	<b>1396</b>	<b>3500</b>	<b>36.00</b>	<b>1.500</b>	<b>80.1</b>	<b>92.0</b>	<b>30.2</b>
<b>36.48 OZ-FT</b>	<b>230.0</b>	<b>195.1</b>	<b>173.8</b>	<b>6.66</b>	<b>5.84</b>	<b>1.981</b>	<b>1409</b>	<b>3499</b>	<b>36.48</b>	<b>1.519</b>	<b>80.4</b>	<b>92.0</b>	<b>30.2</b>
<b>41.95 OZ-FT</b>	<b>230.0</b>	<b>195.2</b>	<b>170.1</b>	<b>7.66</b>	<b>6.79</b>	<b>1.938</b>	<b>1634</b>	<b>3480</b>	<b>41.95</b>	<b>1.738</b>	<b>79.4</b>	<b>92.7</b>	<b>30.2</b>
	230.0	195.1	168.1	8.21	7.31	1.916	1752	3470	44.72	1.847	78.6	92.8	30.2
<b>45.6 OZ-FT</b>	<b>230.0</b>	<b>195.1</b>	<b>166.8</b>	<b>8.56</b>	<b>7.65</b>	<b>1.901</b>	<b>1829</b>	<b>3462</b>	<b>45.60</b>	<b>1.880</b>	<b>76.7</b>	<b>92.9</b>	<b>30.2</b>
<b>3450 RPM</b>	<b>230.0</b>	<b>195.0</b>	<b>164.3</b>	<b>9.19</b>	<b>8.28</b>	<b>1.876</b>	<b>1965</b>	<b>3450</b>	<b>48.42</b>	<b>1.989</b>	<b>75.5</b>	<b>92.9</b>	<b>30.3</b>
	230.0	194.7	160.6	10.14	9.23	1.836	2167	3431	51.69	2.111	72.7	92.9	30.3
	230.0	193.9	153.1	12.17	11.31	1.752	2601	3386	63.13	2.544	73.0	92.9	30.3
	230.0	192.4	145.9	14.13	13.30	1.671	2989	3339	74.29	2.953	73.7	92.0	30.4
	230.0	190.5	138.6	16.09	15.34	1.593	3361	3289	85.02	2.938	65.2	90.8	30.5
	230.0	188.5	131.8	17.98	17.31	1.522	3709	3236	96.07	3.316	66.7	89.7	30.6
	230.0	186.0	125.1	19.87	19.29	1.453	4031	3178	107.00	3.694	68.2	88.2	30.8
	230.0	183.2	118.7	21.79	21.30	1.383	4344	3112	117.93	3.996	70.0	86.7	30.9
<b>BDT OZ-FT</b>	<b>230.0</b>	<b>181.3</b>	<b>115.2</b>	<b>22.89</b>	<b>22.46</b>	<b>1.345</b>	<b>4509</b>	<b>3070</b>	<b>92.64</b>	<b>3.385</b>	<b>56.0</b>	<b>85.7</b>	<b>31.0</b>
	230.0	180.4	113.3	23.48	23.11	1.326	4604	3046	93.57	3.248	52.6	85.2	31.1
	230.0	177.3	108.5	25.15	24.89	1.275	4835	2972	90.34	3.197	49.3	83.6	31.2
	230.0	173.9	104.0	26.75	26.59	1.223	5036	2892	88.47	3.046	45.1	81.9	31.2
	230.0	170.5	100.4	28.29	28.21	1.186	5211	2804	84.67	2.826	40.5	80.1	31.3
	230.0	166.8	97.3	29.73	29.75	1.153	5357	2707	83.17	2.680	37.3	78.3	31.4
	230.0	163.1	95.2	31.07	31.17	1.127	5467	2603	78.25	2.425	33.1	76.5	31.4
	230.0	159.6	93.9	32.31	32.50	1.114	5567	2490	72.45	2.148	28.8	74.9	31.5
	230.0	156.1	93.1	33.44	33.71	1.100	5641	2368	66.64	1.879	24.8	73.3	31.3
	230.0	152.5	93.0	34.46	34.81	1.103	5686	2235	60.80	1.618	21.2	71.7	31.4
	230.0	148.9	93.5	35.40	35.82	1.107	5723	2093	54.37	1.355	17.7	70.3	31.4
	230.0	145.2	94.3	36.23	36.72	1.114	5731	1938	48.34	1.115	14.5	68.8	31.4
	230.0	142.1	95.7	36.96	37.51	1.125	5746	1772	41.16	0.868	11.3	67.6	31.2
	230.0	138.9	97.1	37.61	38.21	1.143	5753	1596	33.64	0.639	8.3	66.5	31.2
	230.0	135.9	98.6	38.19	38.84	1.165	5743	1404	26.94	0.450	5.8	65.4	31.3
	230.0	132.7	100.5	38.64	39.36	1.186	5720	1200	19.98	0.285	3.7	64.4	31.3
	230.0	128.7	103.6	38.98	39.76	1.209	5723	980	14.03	0.164	2.1	63.8	30.9
	230.0	125.4	106.0	39.25	40.08	1.238	5709	745	6.50	0.058	0.8	63.2	31.0
	230.0	122.6	108.4	39.43	40.30	1.257	5701	499	-1.08	-0.006	0.0	62.9	30.8
<b>PUT OZ-FT</b>	<b>230.0</b>	<b>120.9</b>	<b>110.2</b>	<b>39.49</b>	<b>40.41</b>	<b>1.265</b>	<b>5691</b>	<b>326</b>	<b>-4.43</b>	<b>-0.017</b>	<b>0.0</b>	<b>62.7</b>	<b>30.4</b>
	230.0	119.8	110.7	39.45	40.37	1.275	5678	243	-4.29	-0.012	0.0	62.6	30.6

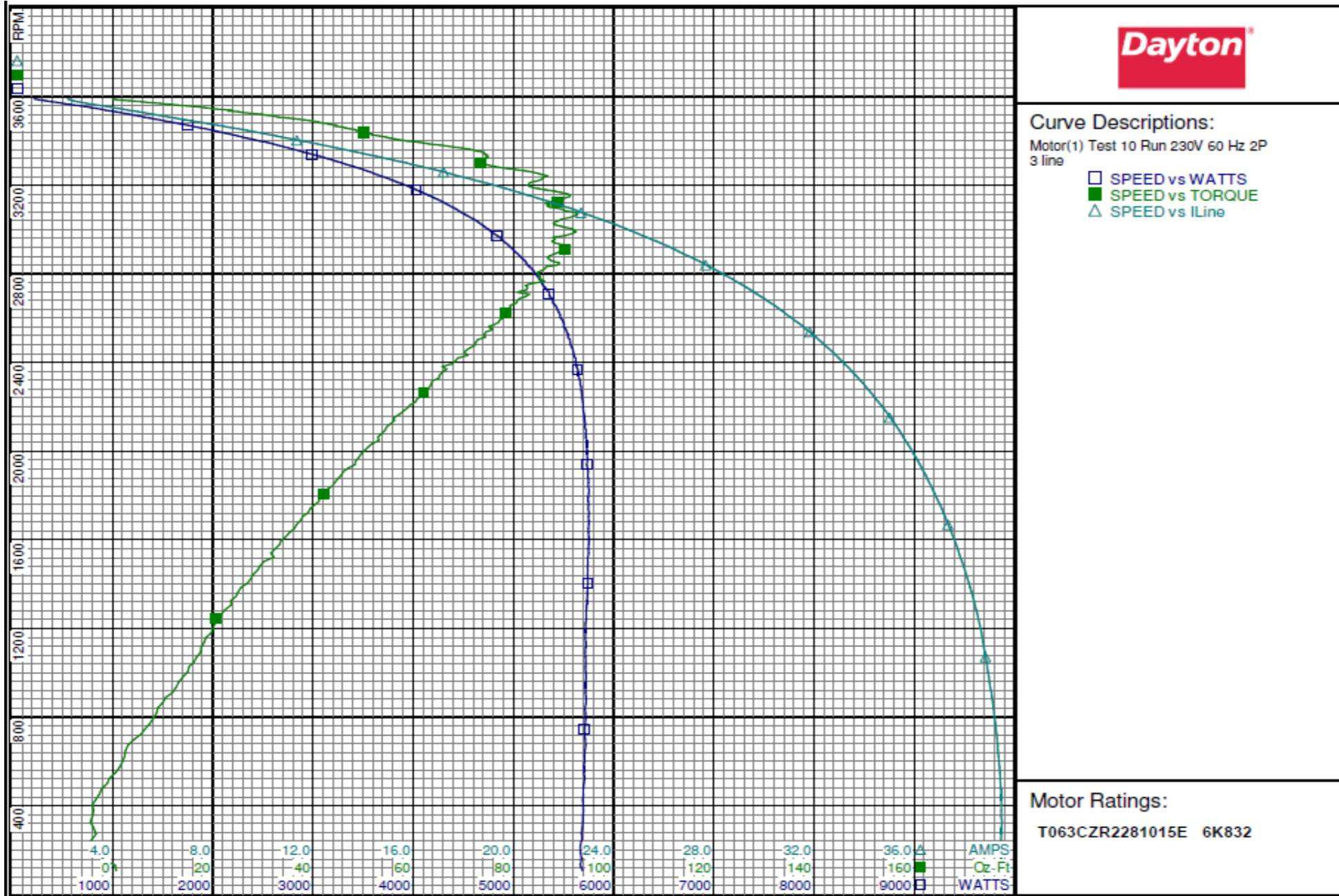
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**6K832BG** -

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

# Performance Data



**6K832BG**      REV. -



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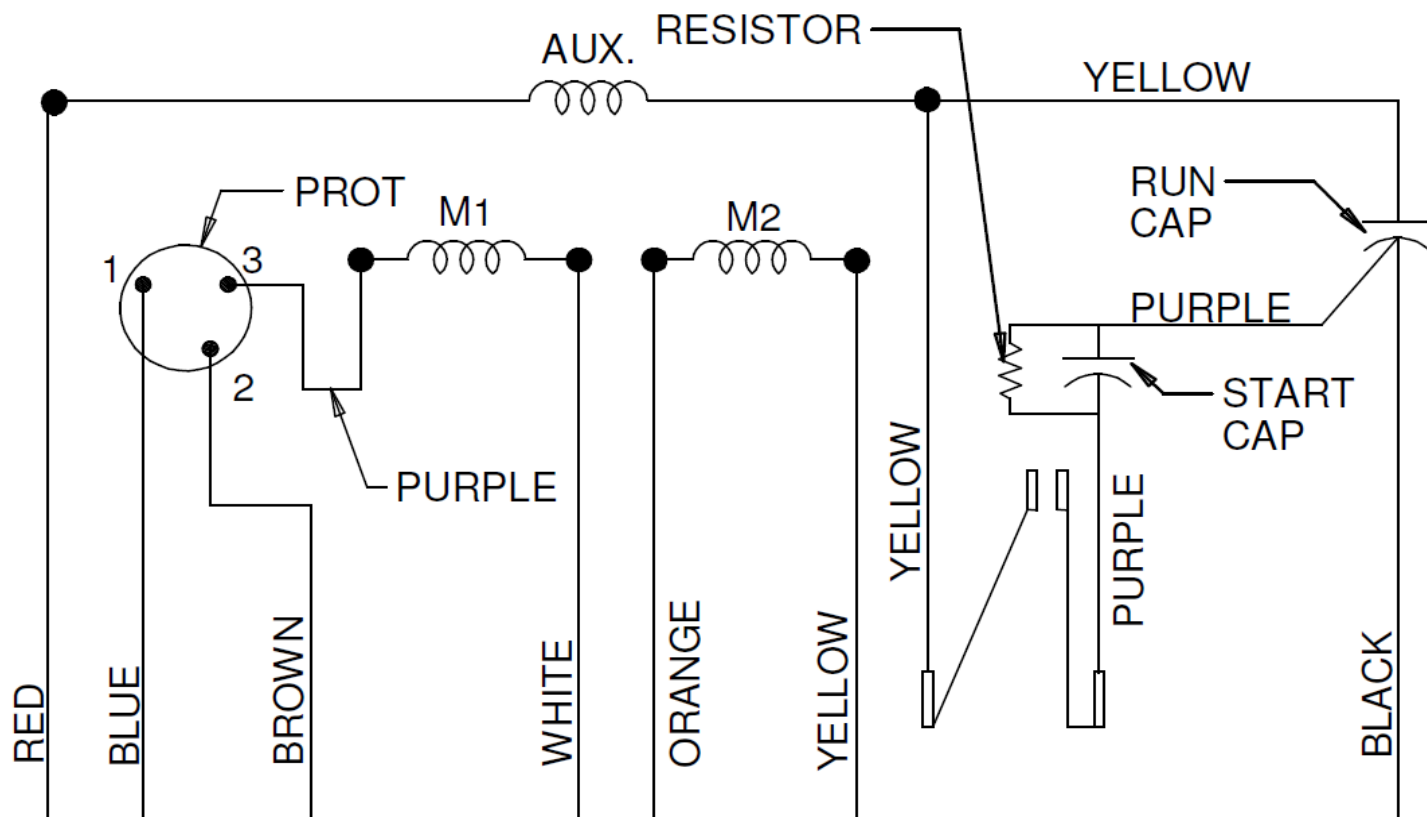
**Dayton Electric Mfg. Co. Lake Forest, IL 60045 USA**

# Wiring Diagram

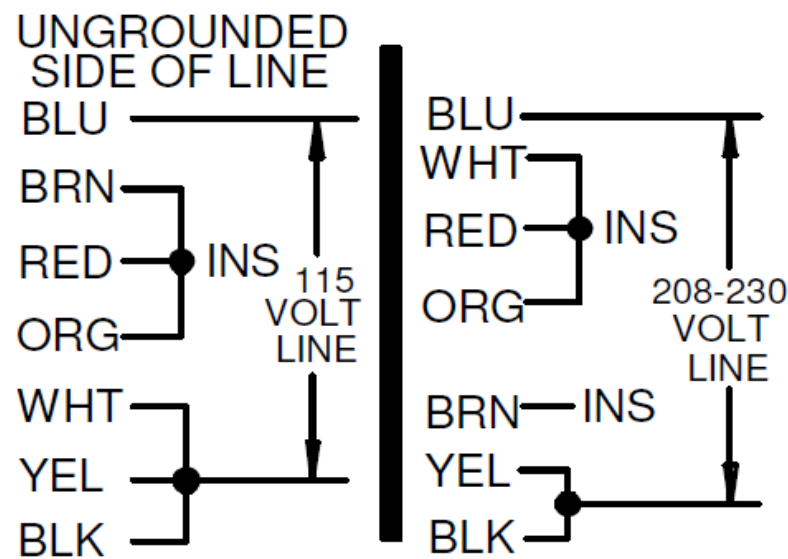


6K832BG

REV.  
0



## CONNECTIONS



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

DRAWING NO.	PAGE 1 of 1	REV.
6K832BG		0

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

**Dayton**<sup>®</sup>**INDUSTRIAL MOTOR**

HP: 1 1/2

VOLTS: 115/208-230

AMPS: 14.6/8.1-7.4

RPM: 3450

DUTY: CONT

SF: 1.15

KVA CODE: H

ENCL: TEFC

THERMALLY PROTECTED: AUTO

MFG. NO.  PROT. CODE: 00731

MTR REF: T63CXCZR-2281

S.F. AT 208 V IS 1.0



Part No 6K832BG

PH: 1

HZ: 60

FR: 56C

INS CL: B

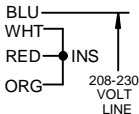
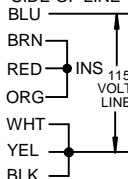
AMB: 40 °C

SFA: 16.8/8.1-8.5

AVG. F.L. EFF. 78.5

**Disconnect Power Before Making  
Any Electrical Connections or Changes**

## CONNECTIONS

UNGROUND  
SIDE OF LINEMOTOR IS CCW ROTATION LEAD END  
TO REVERSE ROTATION INTERCHANGE  
RED AND BLACK LEADS

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

Made in Mexico