

# Dimensional Drawing

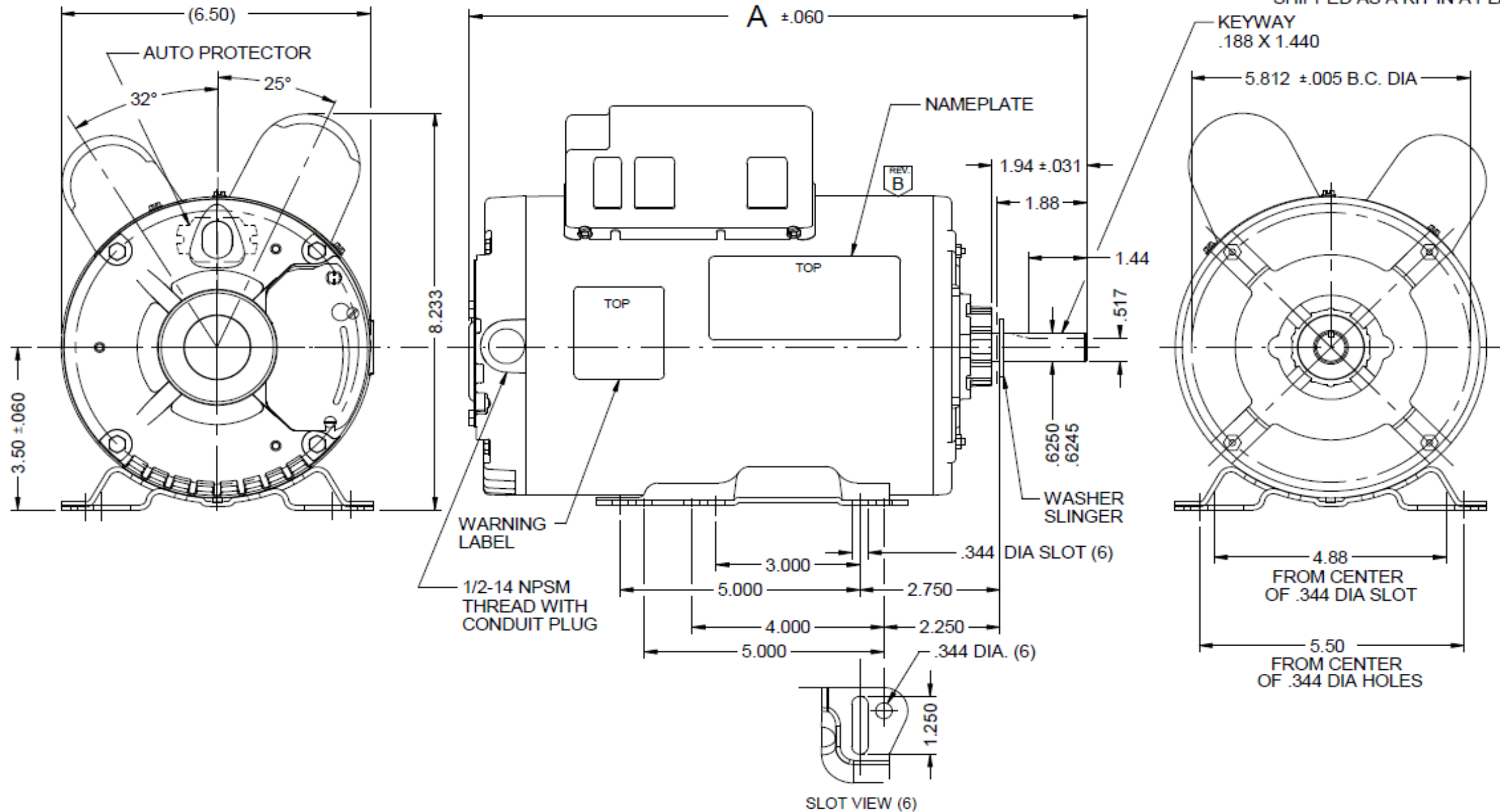


**3K993BH**

REV.  
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VAR	MODEL	CUST. PT. NO.	A	B	C	D	HP	VOLTS	SF	AMPS	HZ	RPM	CONN VOLTS	PROT.	DESCRIPTION / REMARKS
001	T63CXCKP-2258	3K993BH	11.89	---	---	---	1.0	115/230	1.15	7.6/4.0	60	1725	---	AUTO	56H, TEAO GREEN

SHAFT KEY AND INSTRUCTION BOOK SHIPPED AS A KIT IN A PLASTIC BAG.



DRAWING NO.	PAGE 1 of 1	REV.
	3K993BH	-

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

# Performance Data



**3K993BH**

REV.  
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## MOTOR PERFORMANCE

<b>HP:</b>	1						
<b>Poles:</b>	4						
<b>No. of Speeds:</b>	1						
<b>Volts:</b>	115/230	<b>115</b>	<b>230</b>				
<b>HZ:</b>	60	<b>60</b>	<b>60</b>				
<b>Service Factor:</b>	1.15						
<b>Efficiency:</b>	@ Rated Load	82.1	81.2				
<b>Power Factor:</b>	@ Rated Load	99.6	99.5				
<b>Amps:</b>	@ No Load						
	@ Rated Load	8	4.1				
	@ Service Factor	9.2	4.6				
	@ Locked Rotor	70.9	34				
<b>RPM:</b>	@ Rated Load	1749	1749				
<b>Ambient (°C):</b>	40						
<b>Altitude (FASL):</b>							
<b>Torques:</b>	Breakdown	103.1	103.7				
	Locked Rotor	169.6	129.6				
	Pull-Up	152.4	118.3				
	Rated Load	48.7	48.7				
	Service Factor	55.5	55.5				
<b>Watts:</b>	Rated Load	920	930				
<b>KVA Code:</b>	K	K	J				
<b>Temperature Rise:</b>	@ Rated Load	24.6	29.5				
	@ Service Factor	29.6	34.8				
<b>Thermal Protector:</b>	Trip Temp (°C)	-	-				
<b>Winding Material:</b>	Start (Auxiliary)	Cu	Cu				
	Run (Main)	Cu	Cu				
<b>Capacitor(s):</b>	Start (MFD / Volts)	710 mFd, 125V					
	No. of Start Capacitors						
	Run (MFD / Volts)	70 mFd, 280V					
	No. of Run Capacitors						

### 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>	Bead Down						
	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 of 1 REV.  
3K993BH -

# Performance Data



<b>3K993BH</b>	REV. -
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## Dayton Manufacturing Company

### Motor Description

Model: T063CKP2258 3K993BH  
 Motor ID: 1  
 Poles: 4  
 Volts: 115/208-230  
 Frequency: 60  
 HP: 1.0  
 Speed: 1725  
 Phase: 1  
 Protector: CEJ65CY

### Test Conditions

Test Type: Start  
 Test Number: 40  
 Poles: 4  
 Volts: 115  
 Hz: 60  
 Rotation:  
 Special Cond:  
 Speed Conn:  
 TestBoard: Amtps Performance Fixture #2  
 Run Cap: 70  $\mu$ Fd  
 Start Cap: 710  $\mu$ Fd  
 Environment: 21.4 Deg C 30 % RH 1010 hPa  
 Tested: 11/22/2013 9:22:02 AM  
 Tested By: Sharp, Gerald  
 Gear Ratio: 1:1  
 Bearing Friction: 0.00 Oz-Ft  
 Windage Torque: 0.00 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	124.9	145.6	70.89	45.23	47.54	8020	10	169.6	0.020	0.2	98.4	865.9
	115.0	125.4	145.2	70.92	45.08	47.48	8035	41	170.9	0.082	0.8	98.5	867.7
<b>PUT OZ-FT</b>	<b>115.0</b>	<b>125.7</b>	<b>143.8</b>	<b>70.89</b>	<b>44.72</b>	<b>46.97</b>	<b>8027</b>	<b>154</b>	<b>152.4</b>	<b>0.279</b>	<b>2.6</b>	<b>98.5</b>	<b>866.5</b>
	115.0	125.9	143.4	70.94	44.64	46.84	8035	181	155.0	0.333	3.1	98.5	866.4
	115.0	126.7	141.2	70.71	43.83	46.03	8012	317	173.1	0.653	6.1	98.5	864.8
	115.0	127.9	139.1	70.83	43.27	45.26	8023	440	183.5	0.961	8.9	98.5	862.9
	115.0	130.9	137.8	72.02	43.10	44.76	8153	556	191.5	1.267	11.6	98.4	861.8
	115.0	134.6	138.6	73.74	42.62	45.13	8368	661	192.6	1.515	13.5	98.7	864.0
	115.0	134.9	137.1	73.02	41.14	44.60	8323	759	201.2	1.818	16.3	99.1	862.8
	115.0	135.4	134.4	72.05	39.76	43.59	8226	852	208.5	2.114	19.2	99.3	860.4
	115.0	136.9	131.7	71.60	38.81	42.53	8170	938	218.6	2.442	22.3	99.2	856.6
	115.0	139.0	128.8	71.28	37.99	41.46	8129	1018	225.9	2.737	25.1	99.2	853.6
	115.0	141.6	126.0	71.13	37.28	40.52	8120	1090	232.3	3.013	27.7	99.3	853.0
	115.0	144.7	123.8	71.19	36.69	39.67	8117	1157	237.4	3.270	30.1	99.1	850.0
	115.0	148.2	121.7	71.29	36.14	38.96	8121	1220	240.5	3.492	32.1	99.0	849.0
	115.0	152.2	120.0	71.46	35.70	38.36	8136	1276	241.9	3.675	33.7	99.0	847.8
	115.0	156.4	118.8	71.65	35.36	37.89	8141	1328	239.7	3.791	34.7	98.8	846.0
	115.0	161.1	117.8	71.89	35.13	37.59	8166	1377	237.5	3.892	35.6	98.8	846.4
	115.0	166.2	117.5	72.21	35.00	37.50	8198	1420	230.2	3.891	35.4	98.7	846.3
	115.0	171.2	117.7	72.50	34.99	37.54	8219	1460	222.8	3.872	35.1	98.6	846.0
	115.0	176.5	118.5	72.81	35.03	37.84	8252	1496	214.2	3.814	34.5	98.6	847.2
	115.0	182.1	120.1	73.14	35.06	38.44	8298	1529	200.5	3.651	32.8	98.6	849.1
	115.0	187.4	122.3	73.48	35.11	39.26	8331	1559	184.4	3.422	30.6	98.6	851.2
	115.0	193.3	125.4	73.88	35.13	40.44	8390	1586	166.0	3.135	27.9	98.7	855.3
	115.0	198.7	128.4	74.18	35.18	41.67	8438	1612	152.6	2.928	25.9	98.9	860.6
	115.0	204.1	131.9	74.44	35.18	43.06	8471	1636	128.3	2.498	22.0	98.9	866.1
	115.0	209.0	135.7	74.64	35.17	44.55	8492	1658	105.0	2.072	18.2	98.9	870.9
	115.0	213.7	139.4	74.76	35.08	46.14	8516	1679	79.8	1.594	14.0	99.0	877.7
	115.0	218.3	143.1	74.76	34.94	47.83	8529	1698	53.7	1.086	9.5	99.2	886.7
	115.0	222.3	146.7	74.65	34.79	49.50	8517	1716	22.8	0.465	4.1	99.2	895.2
	115.0	225.1	149.3	74.45	34.58	50.88	8494	1731	0.0	0.000	0.0	99.2	904.0

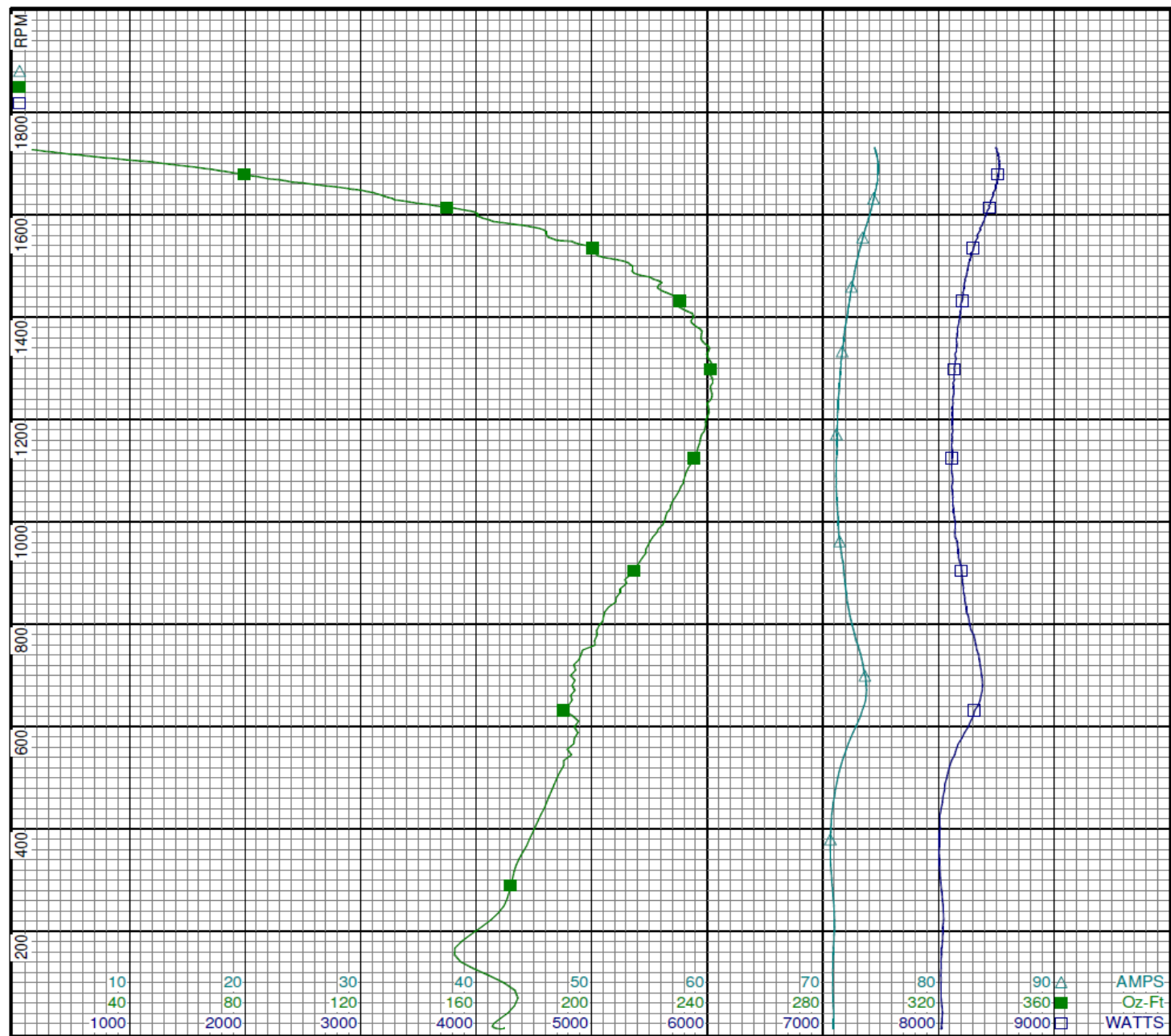
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	<b>3K993BH</b>	-

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

# Performance Data



**3K993BH**      REV. -



**Dayton**<sup>®</sup>

Curve Descriptions:  
Motor(1) Test 40 Start 115V 60 Hz 4P

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

Motor Ratings:  
(1) T063CKP2258 3K993BH

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**3K993BH**      -

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



# Performance Data



<b>3K993BH</b>	REV. -
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## Dayton Manufacturing Company

### Motor Description

Model: T063CKP2258 3K993BH  
 Motor ID: 1  
 Poles: 4  
 Volts: 115/208-230  
 Frequency: 60  
 HP: 1.0  
 Speed: 1725  
 Phase: 1  
 Protector: CEJ65CY

### Test Conditions

Test Type: Run  
 Test Number: 42  
 Poles: 4  
 Volts: 115  
 Hz: 60  
 Rotation:  
 Special Cond:  
 Speed Conn:  
 TestBoard: Amps Performance Fixture #2  
 Run Cap: 70 µFd  
 Start Cap: 710 µFd  
 Environment: 21.4 Deg C 30 % RH 1010 hPa  
 Tested: 11/22/2013 9:16:55 AM  
 Tested By: Sharp, Gerald  
 Gear Ratio: 1:1  
 Bearing Friction: -0.16 Oz-Ft  
 Windage Torque: -1.44 Oz-Ft

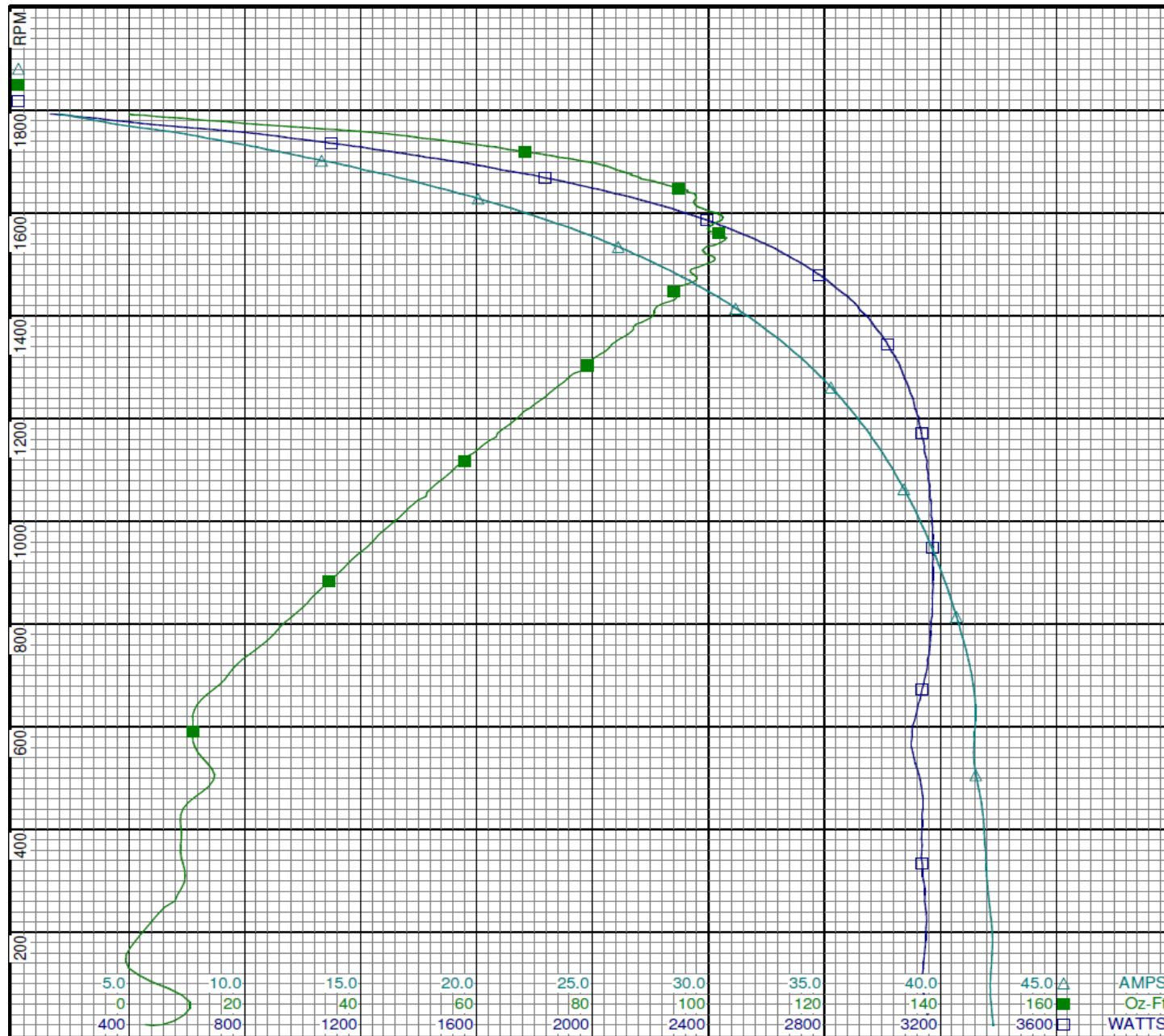
Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Imain (A)	Iaux (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)	Cap
	115.0	132.5	184.9	1.95	3.32	5.073	129	1792	0.00	0.000	0.0	57.8	72.8
	115.0	129.5	175.7	4.22	2.00	4.856	442	1774	19.86	0.419	70.7	91.2	73.3
	115.0	119.9	161.2	6.96	4.38	4.421	794	1757	41.61	0.870	81.7	99.2	72.7
<b>48.6 OZ-FT</b>	<b>115.0</b>	<b>115.4</b>	<b>157.0</b>	<b>8.03</b>	<b>5.68</b>	<b>4.294</b>	<b>920</b>	<b>1749</b>	<b>48.60</b>	<b>1.012</b>	<b>82.1</b>	<b>99.6</b>	<b>72.5</b>
<b>1 HP</b>	<b>115.0</b>	<b>115.9</b>	<b>157.3</b>	<b>7.92</b>	<b>5.55</b>	<b>4.305</b>	<b>909</b>	<b>1750</b>	<b>48.00</b>	<b>1.000</b>	<b>82.1</b>	<b>99.7</b>	<b>72.6</b>
<b>56 OZ-FT</b>	<b>115.0</b>	<b>111.8</b>	<b>153.0</b>	<b>9.27</b>	<b>7.10</b>	<b>4.189</b>	<b>1062</b>	<b>1739</b>	<b>56.00</b>	<b>1.159</b>	<b>81.4</b>	<b>99.6</b>	<b>72.6</b>
<b>1.15 HP</b>	<b>115.0</b>	<b>112.1</b>	<b>153.3</b>	<b>9.18</b>	<b>7.01</b>	<b>4.196</b>	<b>1052</b>	<b>1739</b>	<b>55.54</b>	<b>1.150</b>	<b>81.5</b>	<b>99.6</b>	<b>72.6</b>
	115.0	111.5	152.7	9.37	7.22	4.179	1073	1738	56.59	1.171	81.4	99.6	72.6
<b>60.9 OZ-FT</b>	<b>115.0</b>	<b>109.6</b>	<b>150.4</b>	<b>10.11</b>	<b>8.08</b>	<b>4.107</b>	<b>1156</b>	<b>1732</b>	<b>60.90</b>	<b>1.255</b>	<b>81.0</b>	<b>99.4</b>	<b>72.4</b>
<b>1725 RPM</b>	<b>115.0</b>	<b>107.6</b>	<b>148.3</b>	<b>10.81</b>	<b>8.87</b>	<b>4.037</b>	<b>1233</b>	<b>1725</b>	<b>64.74</b>	<b>1.330</b>	<b>80.4</b>	<b>99.3</b>	<b>72.2</b>
	115.0	105.0	145.6	11.70	9.89	3.956	1329	1717	69.45	1.420	79.7	98.8	72.1
	115.0	98.9	138.8	14.07	12.53	3.766	1580	1696	80.89	1.633	77.1	97.7	72.0
	115.0	92.7	133.1	16.23	14.99	3.606	1794	1674	86.55	1.725	71.7	96.1	71.8
	115.0	86.8	127.9	18.37	17.41	3.469	1997	1648	94.81	1.861	69.5	94.5	72.0
	115.0	81.2	123.3	20.50	19.82	3.346	2186	1622	97.44	1.882	64.2	92.7	72.0
	115.0	75.9	119.4	22.44	22.00	3.248	2347	1595	102.24	1.941	61.7	90.9	72.2
	115.0	70.4	116.0	24.44	24.18	3.167	2496	1563	100.32	1.867	55.8	88.8	72.4
<b>BDT OZ-FT</b>	<b>115.0</b>	<b>68.5</b>	<b>114.9</b>	<b>25.18</b>	<b>25.00</b>	<b>3.136</b>	<b>2550</b>	<b>1551</b>	<b>103.12</b>	<b>1.904</b>	<b>55.7</b>	<b>88.1</b>	<b>72.4</b>
	115.0	65.3	113.1	26.30	26.26	3.088	2631	1530	99.21	1.808	51.3	87.0	72.4
	115.0	60.5	111.2	28.00	28.17	3.041	2740	1495	98.33	1.750	47.6	85.1	72.6
	115.0	55.8	109.7	29.62	29.99	3.010	2835	1457	94.74	1.643	43.2	83.3	72.8
	115.0	51.2	108.7	31.18	31.74	2.990	2918	1414	90.80	1.529	39.1	81.4	72.9
	115.0	47.0	108.2	32.59	33.33	2.983	2986	1369	86.65	1.412	35.3	79.7	73.1
	115.0	43.1	108.0	33.93	34.84	2.984	3044	1320	80.58	1.266	31.0	78.0	73.3
	115.0	39.2	108.2	35.16	36.24	2.993	3086	1266	74.40	1.121	27.1	76.3	73.4
	115.0	35.6	108.7	36.30	37.52	3.007	3119	1208	67.64	0.972	23.3	74.7	73.4
	115.0	32.4	109.4	37.32	38.68	3.031	3145	1145	60.76	0.828	19.6	73.3	73.5
	115.0	29.4	110.3	38.25	39.74	3.053	3160	1077	53.41	0.685	16.2	71.8	73.5
	115.0	26.9	111.4	39.08	40.69	3.090	3171	1004	46.35	0.554	13.0	70.5	73.6
	115.0	24.3	112.3	39.83	41.56	3.116	3174	926	38.50	0.424	10.0	69.3	73.6
	115.0	22.1	113.3	40.51	42.32	3.143	3171	841	30.78	0.308	7.2	68.1	73.6
	115.0	19.6	113.9	41.09	43.00	3.147	3162	750	21.91	0.196	4.6	66.9	73.3
	115.0	15.8	113.7	41.49	43.50	3.114	3129	653	12.48	0.097	2.3	65.6	72.7
	115.0	12.0	116.4	41.43	43.57	3.163	3104	550	11.86	0.078	1.9	65.2	72.1
	115.0	14.5	120.1	41.80	44.00	3.289	3139	441	9.37	0.049	1.2	65.3	72.6
	115.0	14.3	120.7	41.97	44.20	3.286	3138	322	9.64	0.037	0.9	65.0	72.2
	115.0	16.0	122.8	42.24	44.54	3.397	3149	197	2.11	0.005	0.1	64.8	73.4
	115.0	16.8	124.7	42.17	44.56	3.477	3150	64	10.49	0.008	0.2	64.9	74.0

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# Performance Data



**3K993BH**      REV.  
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**Dayton**

Curve Descriptions:  
Motor(1) Test 42 Run 115V 60 Hz 4P

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

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Motor Ratings:  
(1) T063CKP2258 3K993BH

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

# Performance Data



<b>3K993BH</b>	REV. -
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## Dayton Manufacturing Company

### Motor Description

Model: T063CKP2258 3K993BH  
 Motor ID: 1  
 Poles: 4  
 Volts: 115/208-230  
 Frequency: 60  
 HP: 1.0  
 Speed: 1725  
 Phase: 1  
 Protector: CEJ65CY

### Test Conditions

Test Type: Start  
 Test Number: 6  
 Poles: 4  
 Volts: 230  
 Hz: 60  
 Rotation:  
 Special Cond:  
 Speed Conn:  
 TestBoard: Amtps Performance Fixture #2  
 Run Cap: 70  $\mu$ Fd  
 Start Cap: 710  $\mu$ Fd  
 Environment: 22.0 Deg C 42 % RH 998 hPa  
 Tested: 11/21/2013 3:01:48 PM  
 Tested By: Sharp, Gerald  
 Gear Ratio: 1:1  
 Bearing Friction: -0.32 Oz-Ft  
 Windage Torque: -1.28 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	204.6	123.6	34.02	25.16	39.47	7480	8	129.64	0.013	0.1	95.6	846.8
	230.0	204.6	123.3	33.98	25.04	39.33	7460	41	137.69	0.067	0.7	95.4	846.3
<b>PUT OZ-FT</b>	<b>230.0</b>	<b>206.2</b>	<b>121.6</b>	<b>33.89</b>	<b>24.47</b>	<b>38.81</b>	<b>7448</b>	<b>166</b>	<b>118.26</b>	<b>0.234</b>	<b>2.3</b>	<b>95.5</b>	<b>846.5</b>
	230.0	206.4	121.5	33.90	24.38	38.73	7449	180	119.69	0.257	2.6	95.5	845.8
	230.0	208.5	119.7	33.85	23.43	38.14	7452	316	137.48	0.517	5.2	95.7	845.3
	230.0	210.5	117.7	33.79	22.54	37.39	7428	439	144.08	0.754	7.6	95.6	842.9
	230.0	213.9	115.9	34.07	21.42	36.75	7487	556	152.02	1.006	10.0	95.5	840.8
	230.0	217.8	116.0	34.69	20.15	36.82	7654	662	154.37	1.217	11.9	95.9	842.3
	230.0	218.7	115.0	34.39	18.99	36.45	7628	761	159.69	1.447	14.1	96.4	841.1
	230.0	220.8	112.7	34.10	17.74	35.62	7569	852	169.37	1.718	16.9	96.5	838.4
	230.0	223.9	110.1	33.82	16.43	34.76	7525	938	177.88	1.986	19.7	96.7	837.4
	230.0	227.2	107.6	33.59	15.03	33.90	7480	1017	183.14	2.216	22.1	96.8	835.6
	230.0	230.6	105.3	33.42	13.55	33.09	7440	1090	191.39	2.484	24.9	96.8	833.3
	230.0	234.6	103.1	33.28	12.00	32.35	7410	1158	194.35	2.679	27.0	96.8	832.2
	230.0	238.6	101.2	33.14	10.41	31.69	7380	1219	196.09	2.846	28.8	96.8	830.9
	230.0	243.0	99.4	33.02	8.77	31.10	7347	1277	197.65	3.004	30.5	96.7	830.1
	230.0	247.7	98.1	32.90	7.13	30.64	7327	1328	196.87	3.113	31.7	96.8	828.9
	230.0	252.5	96.9	32.79	5.52	30.30	7302	1377	193.82	3.176	32.4	96.8	829.0
	230.0	257.3	96.3	32.67	4.04	30.08	7269	1420	190.29	3.217	33.0	96.7	828.7
	230.0	262.3	96.1	32.56	2.90	30.00	7242	1460	187.53	3.260	33.6	96.7	828.5
	230.0	267.4	96.4	32.45	2.68	30.12	7217	1497	179.33	3.196	33.0	96.7	828.6
	230.0	272.4	97.7	32.36	3.48	30.52	7203	1530	172.12	3.136	32.5	96.8	829.0
	230.0	277.4	99.2	32.29	4.83	31.07	7195	1561	160.42	2.981	30.9	96.9	830.8
	230.0	282.4	101.4	32.20	6.36	31.85	7186	1589	144.05	2.725	28.3	97.0	833.3
	230.0	287.5	104.3	32.14	8.03	32.81	7184	1615	128.73	2.475	25.7	97.2	834.8
	230.0	292.3	107.0	32.05	9.62	33.81	7178	1638	117.15	2.285	23.7	97.4	838.4
	230.0	296.7	110.2	31.95	11.25	34.95	7163	1660	94.62	1.870	19.5	97.5	841.5
	230.0	301.4	113.6	31.83	12.93	36.26	7151	1682	78.60	1.573	16.4	97.7	846.4
	230.0	305.4	117.1	31.70	14.49	37.56	7123	1700	55.96	1.133	11.9	97.7	850.9
	230.0	309.6	121.2	31.54	16.23	39.10	7103	1720	31.57	0.647	6.8	97.9	855.5
	230.0	313.3	124.9	31.35	17.86	40.59	7063	1738	8.48	0.175	1.9	97.9	861.8
	230.0	314.5	126.2	31.26	18.51	41.21	7047	1745	0.00	0.000	0.0	98.0	866.4

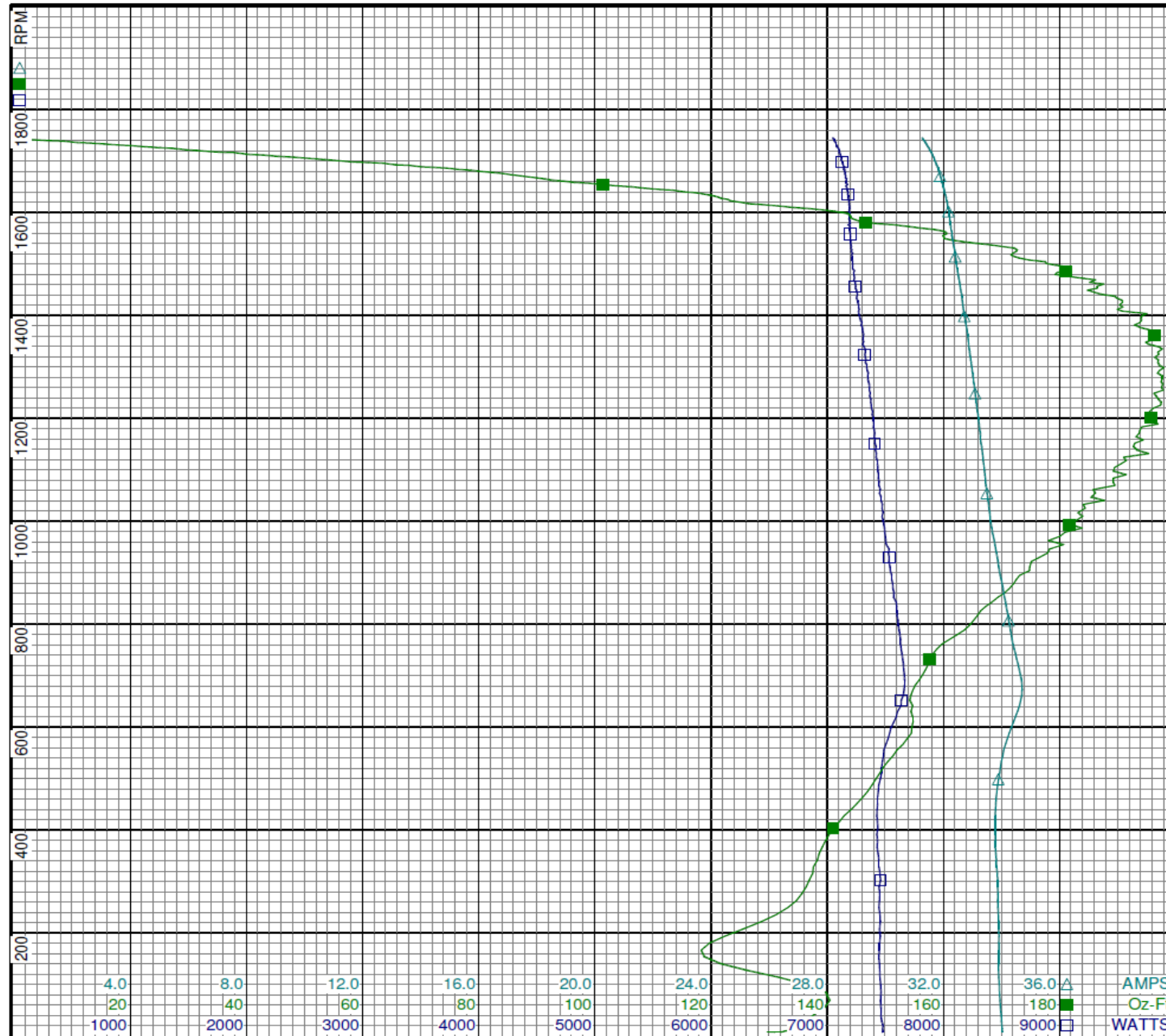
DRAWING NO.	PAGE 5 of 8	REV.
	<b>3K993BH</b>	-

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

# Performance Data



**3K993BH**      REV. -



Curve Descriptions:  
Motor(1) Test 6 Start 230V 60 Hz 4P

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

Motor Ratings:  
(1) T063CKP2258 3K993BH

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3K993BH		-

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



# Performance Data



**3K993BH**      REV.  
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## Dayton Manufacturing Company

### Motor Description

Model: T063CKP2258 3K993BH  
 Motor ID: 1  
 Poles: 4  
 Volts: 115/208-230  
 Frequency: 60  
 HP: 1.0  
 Speed: 1725  
 Phase: 1  
 Protector: CEJ65CY

### Test Conditions

Test Type: Run  
 Test Number: 7  
 Poles: 4  
 Volts: 230  
 Hz: 60  
 Rotation:  
 Special Cond:  
 Speed Conn:  
 TestBoard: Amps Performance Fixture #2  
 Run Cap: 70 µFd  
 Start Cap: 710 µFd  
 Environment: 22.0 Deg C 42 % RH 998 hPa  
 Tested: 11/21/2013 2:31:11 PM  
 Tested By: Sharp, Gerald  
 Gear Ratio: 1:1  
 Bearing Friction: 0.00 Oz-Ft  
 Windage Torque: -1.60 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	167.4	185.0	1.04	4.10	5.062	152	1794	0.00	0.000	0.0	63.7	72.6
	230.0	172.4	175.0	2.19	2.97	4.812	464	1775	20.39	0.431	69.3	92.2	72.9
	230.0	172.0	160.5	3.57	2.66	4.390	814	1757	42.14	0.881	80.8	99.1	72.5
<b>1 HP</b>	<b>230.0</b>	<b>170.3</b>	<b>156.8</b>	<b>4.02</b>	<b>2.95</b>	<b>4.286</b>	<b>919</b>	<b>1750</b>	<b>48.00</b>	<b>1.000</b>	<b>81.1</b>	<b>99.5</b>	<b>72.5</b>
<b>48.6 OZ-FT</b>	<b>230.0</b>	<b>170.2</b>	<b>156.5</b>	<b>4.07</b>	<b>2.99</b>	<b>4.277</b>	<b>930</b>	<b>1749</b>	<b>48.60</b>	<b>1.012</b>	<b>81.2</b>	<b>99.5</b>	<b>72.5</b>
<b>56 OZ-FT</b>	<b>230.0</b>	<b>168.4</b>	<b>152.6</b>	<b>4.70</b>	<b>3.54</b>	<b>4.163</b>	<b>1073</b>	<b>1739</b>	<b>56.00</b>	<b>1.160</b>	<b>80.6</b>	<b>99.3</b>	<b>72.4</b>
<b>1.15 HP</b>	<b>230.0</b>	<b>168.6</b>	<b>152.8</b>	<b>4.65</b>	<b>3.50</b>	<b>4.172</b>	<b>1064</b>	<b>1740</b>	<b>55.53</b>	<b>1.150</b>	<b>80.6</b>	<b>99.4</b>	<b>72.4</b>
	230.0	168.2	152.3	4.75	3.58	4.153	1084	1739	56.54	1.171	80.6	99.2	72.3
<b>60.9 OZ-FT</b>	<b>230.0</b>	<b>167.8</b>	<b>150.0</b>	<b>5.11</b>	<b>3.93</b>	<b>4.084</b>	<b>1167</b>	<b>1732</b>	<b>60.90</b>	<b>1.255</b>	<b>80.3</b>	<b>99.3</b>	<b>72.2</b>
<b>1725 RPM</b>	<b>230.0</b>	<b>167.2</b>	<b>147.5</b>	<b>5.50</b>	<b>4.32</b>	<b>4.010</b>	<b>1255</b>	<b>1725</b>	<b>65.20</b>	<b>1.339</b>	<b>79.6</b>	<b>99.2</b>	<b>72.1</b>
	230.0	166.1	145.1	5.93	4.77	3.930	1344	1718	69.73	1.426	79.2	98.5	71.9
	230.0	163.9	138.4	7.05	6.01	3.747	1581	1696	80.75	1.631	76.9	97.5	71.8
	230.0	161.2	132.7	8.16	7.31	3.584	1799	1674	87.37	1.741	72.2	95.9	71.7
	230.0	158.8	127.4	9.26	8.63	3.445	2007	1649	95.10	1.867	69.4	94.2	71.7
	230.0	156.2	122.9	10.30	9.89	3.332	2191	1623	97.85	1.891	64.4	92.5	71.9
	230.0	153.5	119.1	11.29	11.09	3.237	2354	1595	102.61	1.948	61.7	90.7	72.1
	230.0	150.6	115.8	12.30	12.30	3.161	2511	1564	101.08	1.882	55.9	88.8	72.4
<b>BDT OZ-FT</b>	<b>230.0</b>	<b>149.5</b>	<b>114.8</b>	<b>12.66</b>	<b>12.75</b>	<b>3.134</b>	<b>2562</b>	<b>1552</b>	<b>103.74</b>	<b>1.916</b>	<b>55.8</b>	<b>88.0</b>	<b>72.5</b>
	230.0	147.8	113.3	13.21	13.42	3.099	2640	1531	99.94	1.822	51.5	86.9	72.6
	230.0	144.8	111.4	14.08	14.50	3.058	2751	1496	98.81	1.759	47.7	84.9	72.8
	230.0	141.9	110.1	14.90	15.51	3.028	2843	1458	95.59	1.659	43.5	83.0	72.9
	230.0	139.1	109.3	15.68	16.48	3.017	2929	1414	91.30	1.537	39.2	81.2	73.2
	230.0	136.1	109.1	16.40	17.38	3.014	2992	1369	87.32	1.423	35.5	79.3	73.3
	230.0	133.5	109.2	17.06	18.20	3.022	3047	1320	81.02	1.273	31.2	77.7	73.4
	230.0	130.6	109.6	17.67	18.98	3.036	3086	1267	74.97	1.130	27.3	75.9	73.5
	230.0	128.0	110.3	18.24	19.70	3.059	3119	1208	68.27	0.982	23.5	74.3	73.5
	230.0	125.7	111.3	18.76	20.35	3.092	3144	1145	61.33	0.836	19.8	72.9	73.7
	230.0	123.1	112.5	19.22	20.95	3.124	3155	1077	53.97	0.692	16.4	71.4	73.7
	230.0	120.7	113.8	19.64	21.49	3.160	3164	1004	46.75	0.559	13.2	70.0	73.7
	230.0	118.5	114.9	20.01	21.97	3.191	3163	926	39.15	0.432	10.2	68.7	73.7
	230.0	116.7	116.1	20.35	22.40	3.222	3159	841	31.09	0.311	7.3	67.5	73.6
	230.0	115.0	116.9	20.63	22.79	3.231	3146	750	22.37	0.200	4.7	66.3	73.3
	230.0	113.7	116.9	20.83	23.08	3.204	3113	653	12.79	0.099	2.4	65.0	72.7
	230.0	110.2	119.7	20.81	23.18	3.266	3087	550	12.33	0.081	2.0	64.5	72.4
	230.0	106.7	123.6	21.00	23.44	3.392	3123	440	9.61	0.050	1.2	64.7	72.8
	230.0	106.0	124.2	21.08	23.55	3.390	3121	322	10.26	0.039	0.9	64.4	72.4
	230.0	104.3	126.3	21.21	23.76	3.498	3132	196	0.46	0.001	0.0	64.2	73.4
	230.0	102.1	128.3	21.18	23.80	3.583	3129	64	11.81	0.009	0.2	64.3	74.1

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**3K993BH**      -

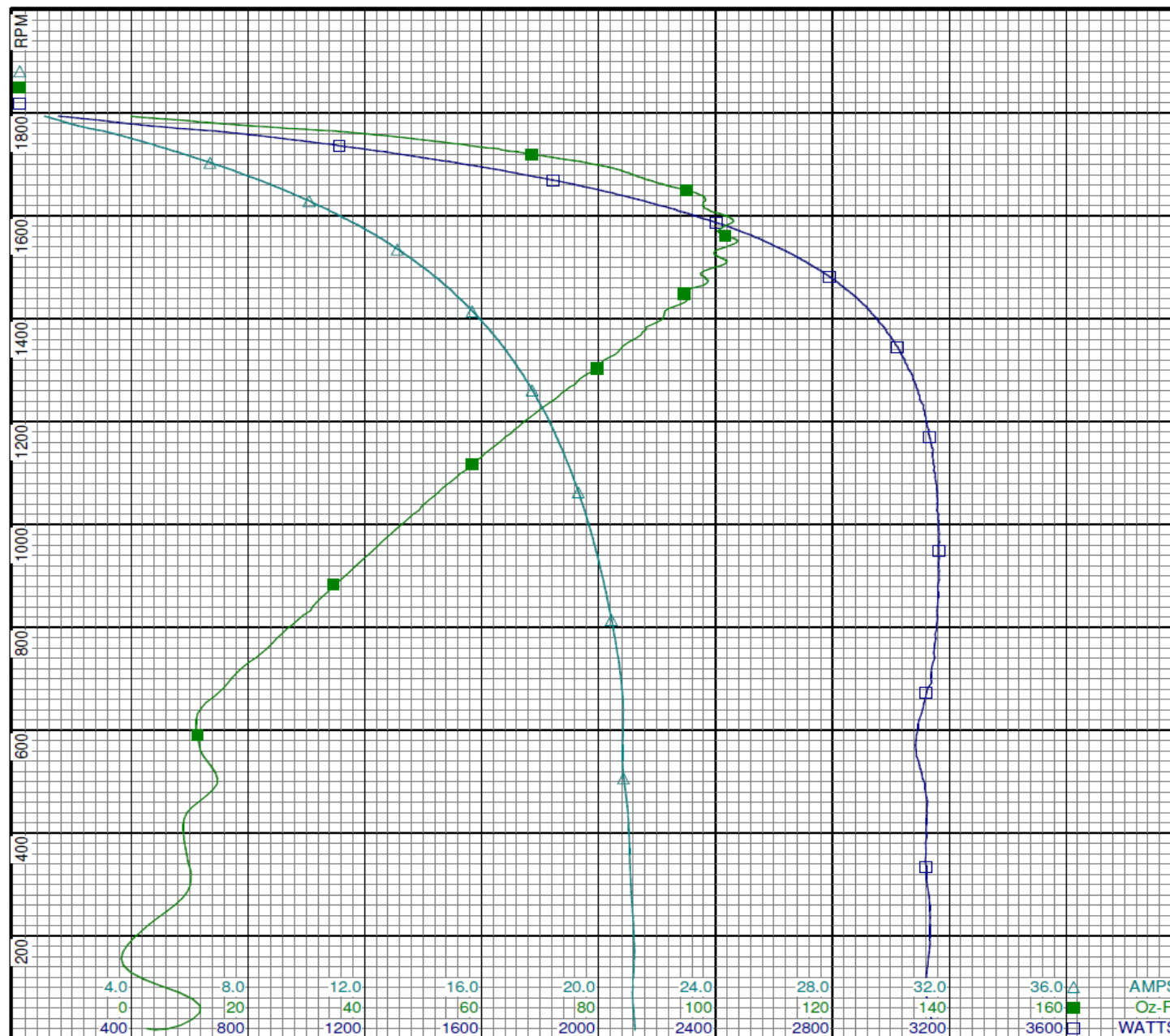
# Performance Data



3K993BH

REV.

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Curve Descriptions:  
 Motor(1) Test 7 Run 230V 60 Hz 4P  
 □ SPEED vs WATTS  
 ■ SPEED vs TORQUE  
 △ SPEED vs ILine

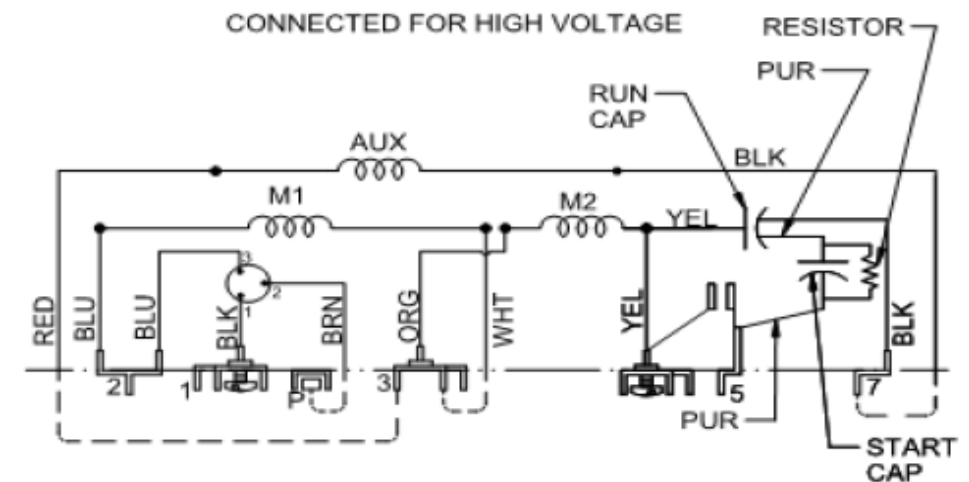
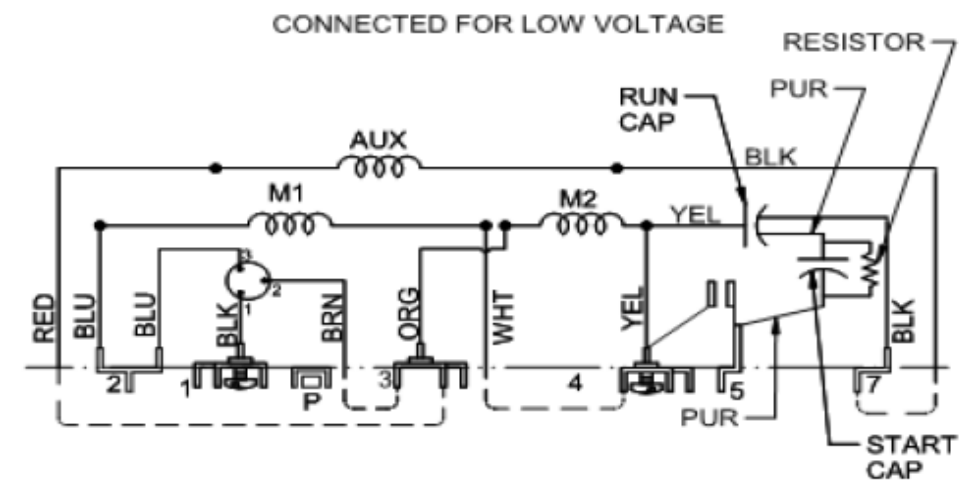
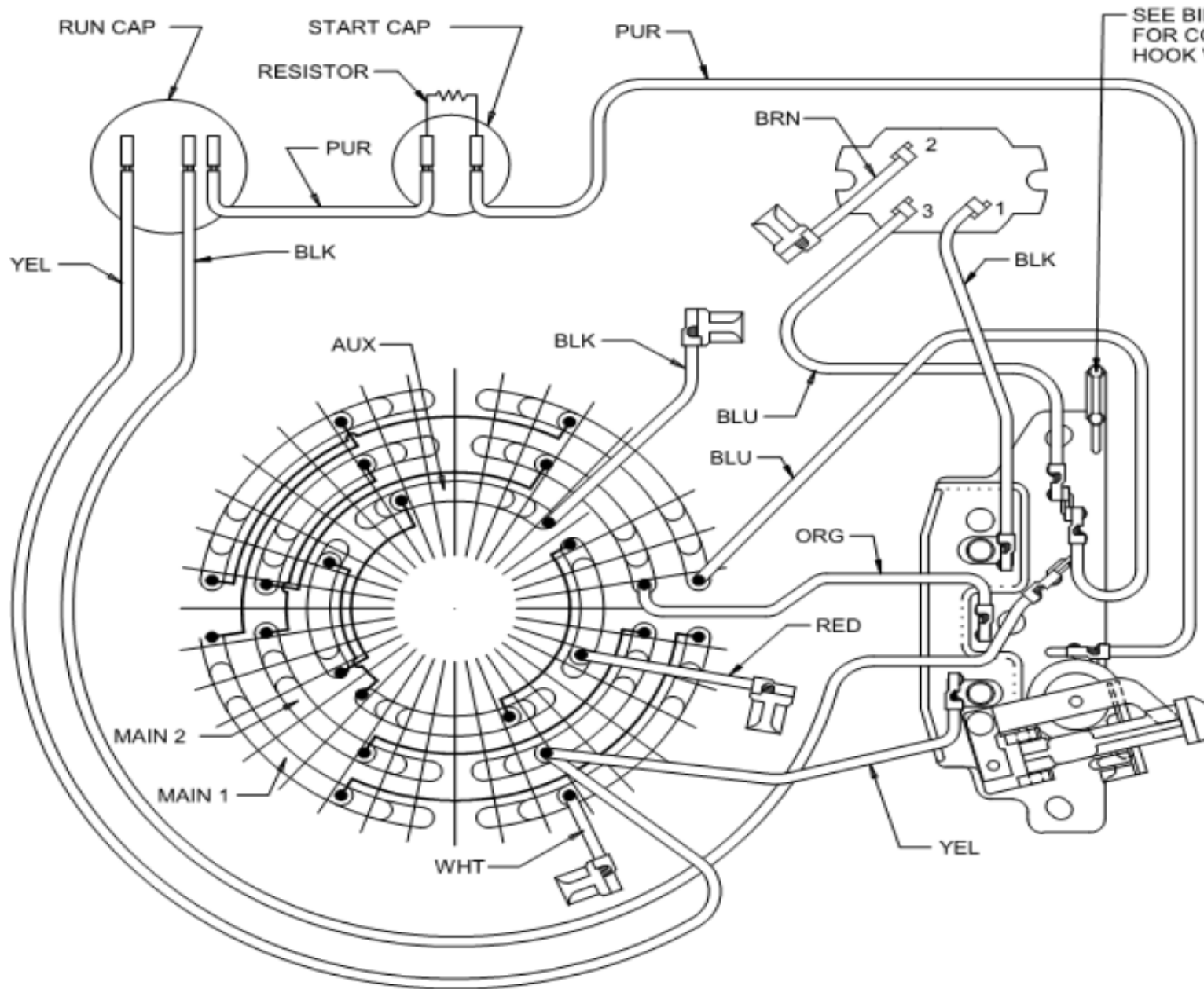
Motor Ratings:  
 (1) T063CKP2258 3K993BH

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3K993BH		-

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

# Wiring Diagram

<b>3K993BH</b>	REV. -
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ROTATION: CCW SWITCH END REVERSIBLE TO REVERSE ROTATION INTERCHANGE BLACK AND RED LEADS  
T 4P DUAL VOLT REVERSIBLE W/CAPS & PROT

DRAWING NO.	PAGE 1 of 1	REV.
	<b>3K993BH</b>	-

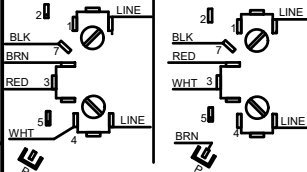
**Dayton**<sup>®</sup>**FARM DUTY MOTOR**Part No **3K993BH****HP:** 1.0**PH:** 1**VOLTS:** 115/230**HZ:** 60**AMPS:** 7.6/4.0**FR:** 56H**RPM:** 1725**INS CL:** B**DUTY:** CONT**AMB:** 40 °C**SF:** 1.15**SFA:** 9.2/4.6**KVA CODE:** J**ENCL:** TEAO**THERMALLY PROTECTED:** AUTOMFG. NO.   PROT. CODE: 00440

NOM. EFF. 80.0

**MTR REF:** T63CXCKP-2258**NEMA  
Premium**<sup>™</sup>**Disconnect Power Before Making Any  
Electrical Connections or Changes****CONNECTIONS**

115 VOLT

230 VOLT



MOTOR IS CW ROTATION SHAFT END  
TO REVERSE ROTATION INTERCHANGE  
RED AND BLACK LEADS.

**RU**<sup>®</sup>  
E37403**SP**<sup>®</sup>  
258501

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

Made in Mexico