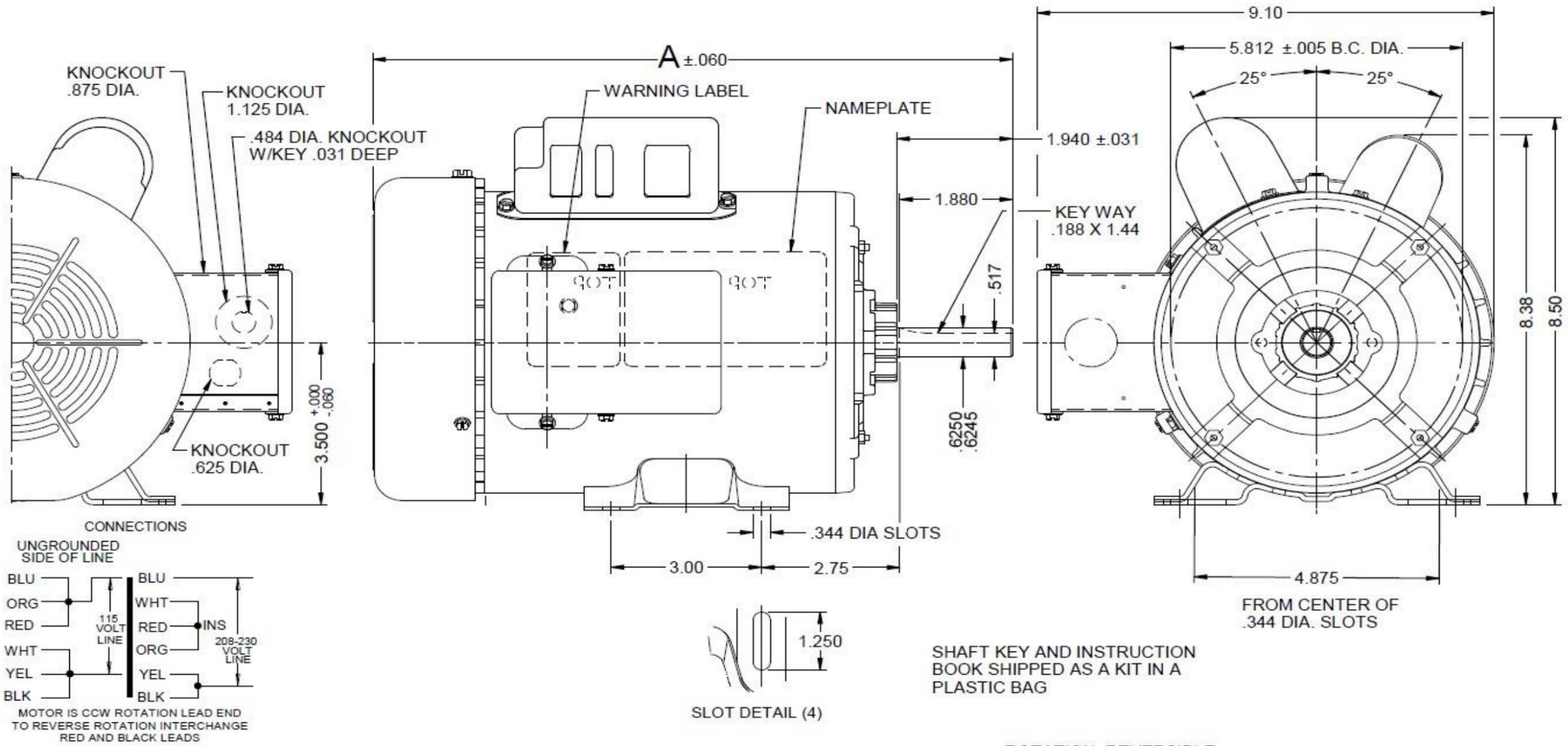


Dimensional Drawing

5K672BG

REV.
-

VAR	MODEL	CUST. PT. NO.	A	B	C	D	HP	VOLTS	SF	AMPS	HZ	RPM	CONN VOLTS	PROT.	DESCRIPTION / REMARKS
001	T63DEA-2305	5K672BG	13.38	---	---	---	1/2	115/208-230	1.0	10.6/5.4-5.3	60	1140	---	NONE	56 TEFC



DRAWING NO.	PAGE 1 of 1	REV.
5K672BG		-

Performance Data



5K672BG

REV.
-

MOTOR PERFORMANCE

HP:	1/2						
Poles:	6						
No. of Speeds:	1						
Volts:	115/208-230	115	208	230			
HZ:	60	60	60	60			
Service Factor:	1						
Efficiency:	@ Rated Load	70.6	74.0	70.8			
Power Factor:	@ Rated Load	50.4	57.8	50.7			
Amps:	@ No Load						
	@ Rated Load	9.11	4.24	4.61			
	@ Service Factor	NA	NA	NA			
	@ Locked Rotor	45.9	21	23.9			
RPM:	@ Rated Load	1174	1167	1174			
Ambient (°C):	40						
Altitude (FASL):							
Torques:	Breakdown	130.3	104	130.3			
	Locked Rotor	169	127.5	153.9			
	Pull-Up	169	127.5	160			
	Rated Load	35.8	35.9	35.8			
	Service Factor	NA	NA	NA			
Watts:	Rated Load	528	505	529			
KVA Code:	M	M	K	M			
Temperature Rise:	@ Rated Load	44.5	38	47.3			
	@ Service Factor	NA	NA	NA			
Thermal Protector:	Trip Temp (°C)	NA	NA	NA			
Winding Material:	Start (Auxiliary)	Cu	Cu	Cu			
	Run (Main)	Cu	Cu	Cu			
Capacitor(s):	Start (MFD / Volts)	256.5 mFd 165V					
	No. of Start Capacitors						
	Run (MFD / Volts)	12.5 mFd 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.
5K672BG -

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

Performance Data



5K672BG

REV.

-

Dayton Manufacturing Company

Motor Description

Model: T063DEA2305
 Motor ID: 1 Of 2
 Poles: 6
 Volts: 115/208-230
 Frequency: 60
 HP: 1/2
 Speed: 1140
 Phase: 1
 Protector: -

Test Conditions

Test Type: Start
 Test Number: 5
 Poles: 6
 Volts: 115
 Hz: 60
 Rotation:
 Special Cond:
 Speed Conn:
 TestBoard: CMD InLine Three Phase #1 Fixture #1
 Run Cap: 12.5
 Start Cap: 256.5 µfd
 Environment: 24.6 Deg C 64 % RH 964 hPa
 Tested: 8/15/2016 9:01:53 AM
 Tested By: Navarro, Susana
 Gear Ratio: 1:1
 Bearing Friction: -0.29 Oz-Ft
 Windage Torque: -1.79 Oz-Ft

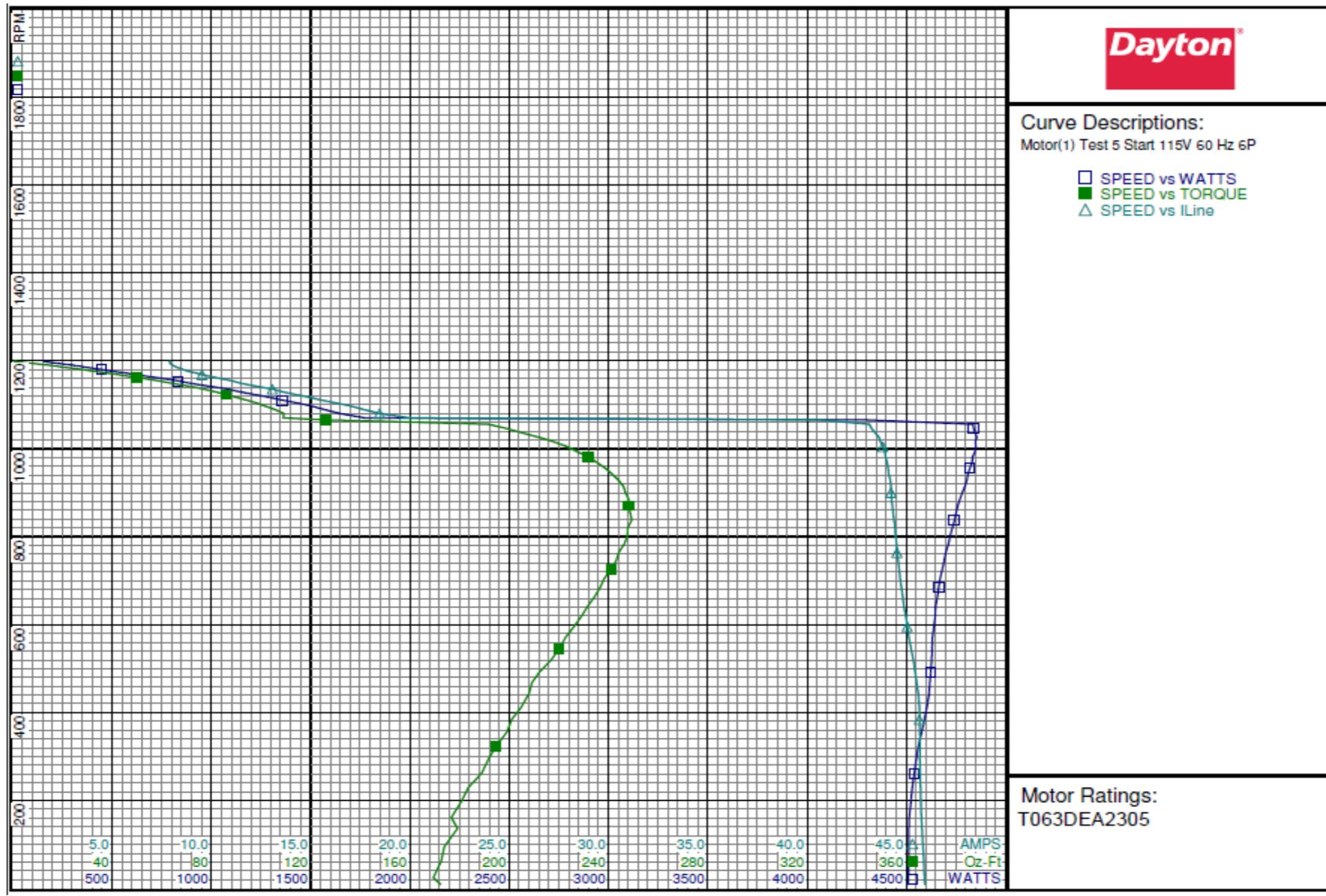
Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
PUT OZ-FT	115.0	204.4	236.6	45.90	4510	24	169.3	0.049	0.8	85.4
	115.0	204.4	236.6	45.90	4510	24	169.3	0.049	0.8	85.4
	115.0	208.0	234.0	45.78	4513	136	179.1	0.289	4.8	85.7
	115.0	212.1	232.3	45.71	4529	228	183.4	0.498	8.2	86.2
	115.0	218.7	232.4	45.68	4560	323	194.7	0.748	12.2	86.8
	115.0	227.0	234.2	45.65	4603	411	204.7	1.002	16.2	87.7
	115.0	234.3	234.9	45.44	4623	492	212.1	1.242	20.0	88.5
	115.0	243.1	235.9	45.12	4631	571	222.7	1.513	24.4	89.2
	115.0	253.5	238.7	44.87	4646	641	231.5	1.766	28.4	90.0
	115.0	265.9	243.8	44.68	4670	704	238.2	1.998	31.9	90.9
	115.0	280.5	251.1	44.54	4699	764	244.1	2.219	35.2	91.7
	115.0	297.2	260.8	44.43	4731	818	247.6	2.412	38.0	92.6
	115.0	316.7	273.8	44.29	4759	871	248.0	2.571	40.3	93.4
	115.0	336.6	288.7	44.22	4794	913	246.1	2.675	41.6	94.3
	115.0	359.0	306.6	44.08	4820	955	238.6	2.714	42.0	95.1
	115.0	381.7	326.2	43.93	4844	992	227.8	2.689	41.4	95.9
	115.0	405.1	348.0	43.63	4854	1025	212.3	2.591	39.8	96.7
	115.0	427.6	370.2	43.13	4836	1055	191.5	2.406	37.1	97.5
	115.0	215.9	223.8	18.48	1646	1080	109.1	1.403	63.6	77.5
	115.0	229.8	239.9	16.30	1435	1103	98.2	1.290	67.1	76.6
	115.0	242.4	255.3	14.25	1218	1123	85.9	1.148	70.3	74.3
	115.0	252.6	268.0	12.54	1024	1139	73.4	0.996	72.5	71.0
	115.0	261.4	279.9	11.03	832	1154	58.6	0.805	72.2	65.6
	115.0	268.4	289.8	9.82	664	1165	45.9	0.637	71.5	58.8
	115.0	273.4	297.7	8.95	520	1174	34.5	0.482	69.2	50.5
	115.0	277.0	303.9	8.43	410	1182	24.6	0.346	63.0	42.3
	115.0	280.8	310.0	8.07	313	1188	15.7	0.223	53.0	33.7
	115.0	283.7	314.6	7.96	245	1193	9.4	0.134	40.8	26.7
	115.0	286.6	319.0	7.90	182	1196	3.3	0.047	19.1	20.0
	115.0	287.7	320.8	7.90	157	1198	0.5	0.008	3.7	17.3

DRAWING NO. PAGE 1 of 8 REV.
5K672BG -

Performance Data



5K672BG REV.
-



DRAWING NO. PAGE 2 of 8 REV.
5K672BG -

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

Performance Data



5K672BG

REV.

-

Dayton Manufacturing Company

Motor Description

Model: T063DEA2305
 Motor ID: 1 Of 2
 Poles: 6
 Volts: 115/208-230
 Frequency: 60
 HP: 1/2
 Speed: 1140
 Phase: 1
 Protector: -

Test Conditions

Test Type: Run
 Test Number: 8
 Poles: 6
 Volts: 115
 Hz: 60
 Rotation:
 Special Cond:
 Speed Conn:
 TestBoard: CMD InLine Three Phase #1 Fixture #1
 Run Cap: 12.5
 Start Cap: 256.5 µfd
 Environment: 24.4 Deg C 48 % RH 966 hPa
 Tested: 8/23/2016 4:23:56 PM
 Tested By: Navarro, Susana
 Gear Ratio: 1:1
 Bearing Friction: -0.31 Oz-Ft
 Windage Torque: -0.95 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
	115.0	3.3	8.00	149	1198	0.0	0.000	0.0	16.2
	115.0	3.2	7.99	157	1196	1.0	0.014	6.7	17.1
	115.0	3.2	8.02	223	1193	7.4	0.105	35.1	24.2
	115.0	3.2	8.13	294	1189	14.3	0.203	51.5	31.4
	115.0	3.2	8.43	385	1183	23.0	0.324	62.7	39.7
	115.0	3.1	8.96	502	1176	33.6	0.470	69.8	48.7
0.5 HP	115.0	3.1	9.11	528	1174	35.8	0.500	70.6	50.4
36.8 OZ-FT	115.0	3.1	9.17	540	1173	36.8	0.514	70.9	51.2
	115.0	3.1	9.96	668	1165	47.6	0.661	73.8	58.3
	115.0	3.1	11.15	837	1154	61.4	0.844	75.2	65.3
	115.0	3.1	12.81	1045	1139	76.9	1.043	74.4	71.0
	115.0	3.0	14.69	1257	1122	90.8	1.213	72.0	74.4
	115.0	3.0	16.79	1475	1104	104.2	1.369	69.2	76.4
	115.0	3.0	18.99	1687	1082	114.6	1.477	65.3	77.3
	115.0	3.0	21.49	1912	1056	123.2	1.549	60.5	77.3
	115.0	2.9	23.86	2109	1027	128.6	1.573	55.6	76.9
BDT OZ-FT	115.0	2.9	26.27	2293	993	130.3	1.541	50.1	75.9
	115.0	2.9	26.27	2293	993	130.3	1.541	50.1	75.9
	115.0	2.9	28.40	2439	959	128.9	1.471	45.0	74.7
	115.0	2.8	30.49	2570	918	124.7	1.363	39.6	73.3
	115.0	2.8	32.48	2680	872	118.3	1.228	34.2	71.8
	115.0	2.8	34.26	2765	821	109.4	1.069	28.8	70.2
	115.0	2.7	35.80	2828	767	99.9	0.912	24.0	68.7
	115.0	2.7	37.09	2874	711	90.5	0.766	19.9	67.4
	115.0	2.6	38.27	2907	646	78.6	0.605	15.5	66.1
	115.0	2.6	39.33	2934	575	67.6	0.463	11.8	64.9
	115.0	2.6	40.20	2950	499	56.7	0.337	8.5	63.8
	115.0	2.6	45.73	4583	419	211.4	1.054	17.2	87.2
	115.0	2.5	45.76	4545	334	201.8	0.802	13.2	86.4
	115.0	2.5	45.76	4510	241	191.8	0.550	9.1	85.7
	115.0	2.5	45.80	4491	139	182.5	0.302	5.0	85.3

DRAWING NO. PAGE 3 of 8 REV.
5K672BG -

Performance Data



5K672BG REV.
-

Dayton Manufacturing Company

Motor Description

Model: T063DEA2305
 Motor ID: 1 Of 2
 Poles: 6
 Volts: 115/208-230
 Frequency: 60
 HP: 1/2
 Speed: 1140
 Phase: 1
 Protector: -

Test Conditions

Test Type: Start Run Cap: 12.5
 Test Number: 7 Start Cap: 256.5 µfd
 Poles: 6 Environment: 25.0 Deg C 73 % RH 964 hPa
 Volts: 230 Tested: 8/15/2016 8:40:12 AM
 Hz: 60 Tested By: Navarro, Susana
 Rotation: Gear Ratio: 1:1
 Special Cond: Bearing Friction: -0.31 Oz-Ft
 Speed Conn: Windage Torque: -2.03 Oz-Ft
 TestBoard: CMD InLine Three Phase #1 Fixture #1

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
	230.0	185.7	220.4	23.93	4478	29	153.9	0.053	0.9	81.4
	230.0	189.2	218.6	23.84	4482	125	160.0	0.239	4.0	81.7
	230.0	194.0	217.3	23.78	4502	227	169.6	0.458	7.6	82.3
	230.0	200.5	217.3	23.72	4533	324	178.0	0.687	11.3	83.1
	230.0	208.3	218.8	23.66	4571	412	188.2	0.924	15.1	84.0
	230.0	215.7	220.0	23.51	4591	496	198.4	1.172	19.0	84.9
	230.0	224.7	221.2	23.32	4606	571	208.9	1.419	23.0	85.9
	230.0	234.7	224.4	23.15	4621	641	217.8	1.661	26.8	86.8
	230.0	247.4	229.8	22.97	4642	706	227.0	1.909	30.7	87.9
	230.0	260.4	236.4	22.82	4663	765	233.3	2.123	34.0	88.8
	230.0	277.5	246.5	22.64	4686	819	238.2	2.323	37.0	90.0
	230.0	295.7	258.7	22.48	4708	870	240.4	2.488	39.4	91.0
	230.0	305.1	264.7	22.42	4723	892	241.3	2.561	40.5	91.6
	230.0	335.7	288.7	22.14	4739	954	232.9	2.646	41.6	93.1
	230.0	358.2	307.9	21.94	4748	992	224.5	2.650	41.6	94.1
	230.0	378.6	326.2	21.67	4735	1023	210.1	2.559	40.3	95.0
	230.0	400.8	347.9	21.32	4709	1053	192.4	2.413	38.2	96.0
	230.0	212.9	221.0	9.71	1719	1081	112.0	1.441	62.5	77.0
	230.0	227.1	237.2	8.57	1502	1102	102.6	1.347	66.9	76.2
	230.0	240.0	252.7	7.49	1279	1122	90.3	1.207	70.4	74.2
	230.0	251.0	266.4	6.54	1063	1140	76.1	1.032	72.4	70.7
	230.0	259.3	277.2	5.80	883	1153	62.9	0.862	72.9	66.2
	230.0	267.0	287.9	5.12	698	1164	48.7	0.674	72.1	59.2
	230.0	272.3	296.0	4.65	545	1174	36.2	0.506	69.3	50.9
	230.0	276.0	302.1	4.36	430	1182	25.9	0.365	63.3	42.9
	230.0	279.8	308.2	4.17	327	1188	16.5	0.234	53.3	34.1
	230.0	282.9	312.9	4.10	254	1193	9.9	0.140	41.1	27.0
	230.0	285.8	317.4	4.07	187	1197	3.3	0.048	18.9	20.0
	230.0	287.3	319.4	4.06	159	1198	0.4	0.006	2.8	17.0

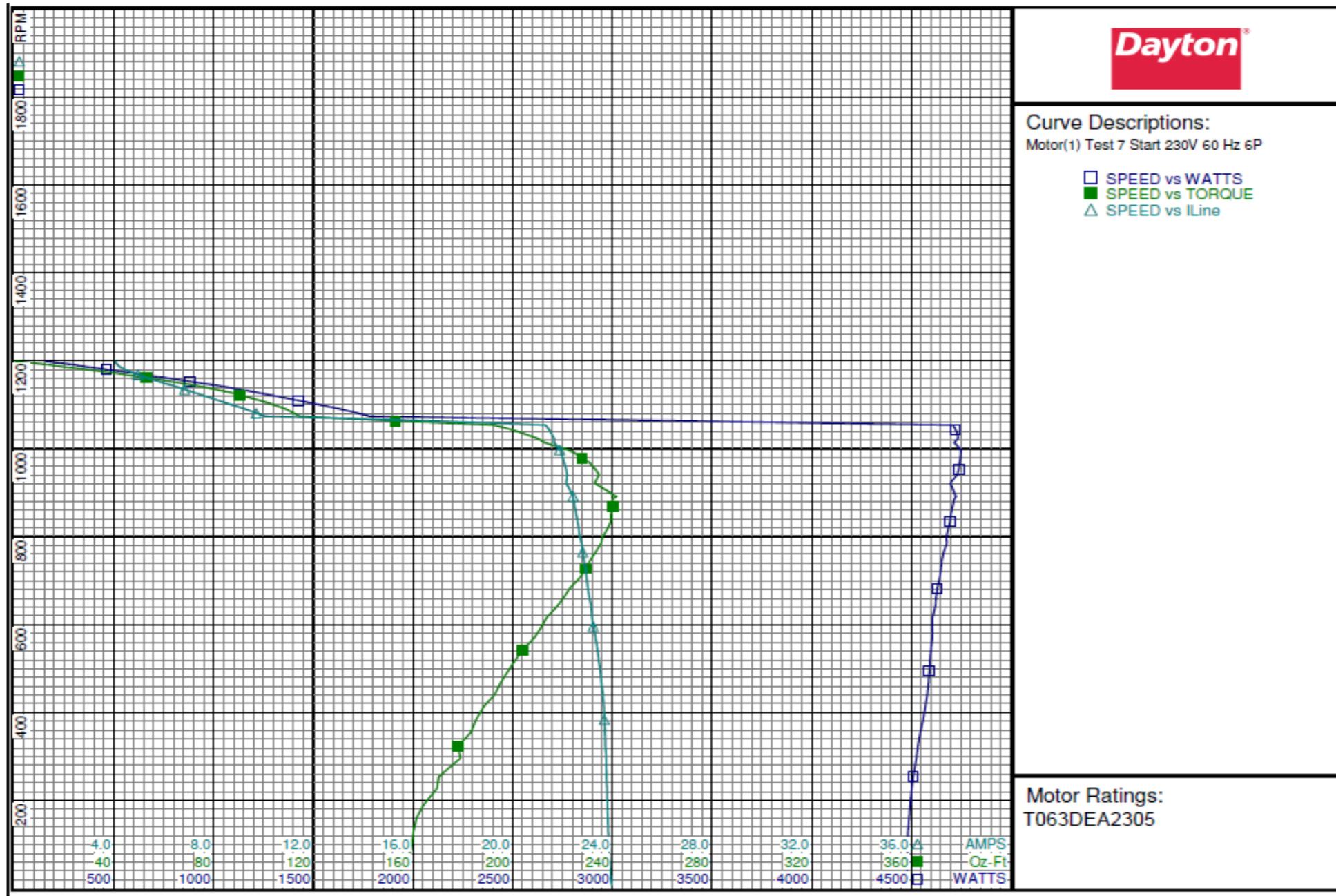
DRAWING NO. PAGE 5 of 8 REV.
5K672BG -

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

Performance Data



5K672BG REV. -



DRAWING NO. PAGE 6 of 8 REV. -
5K672BG

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

Performance Data



5K672BG

REV.

-

Dayton Manufacturing Company

Motor Description

Model: T063DEA2305
 Motor ID: 1 Of 2
 Poles: 6
 Volts: 115/208-230
 Frequency: 60
 HP: 1/2
 Speed: 1140
 Phase: 1
 Protector: -

Test Conditions

Test Type: Run
 Test Number: 10
 Poles: 6
 Volts: 230
 Hz: 60
 Rotation:
 Special Cond:
 Speed Conn:
 TestBoard: CMD InLine Three Phase #1 Fixture #1
 Run Cap: 12.5
 Start Cap: 256.5 µfd
 Environment:
 Tested: 8/13/2016 2:33:21 PM
 Tested By: Navarro, Susana
 Gear Ratio: 1:1
 Bearing Friction: -0.24 Oz-Ft
 Windage Torque: -0.96 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
	230.0	287.5	319.9	4.07	147	1197	0.0	0.000	0.0	15.7
	230.0	286.7	318.9	4.07	161	1196	0.8	0.012	5.5	17.2
	230.0	284.4	315.4	4.08	215	1193	6.8	0.096	33.4	23.0
	230.0	281.3	310.5	4.14	290	1189	13.9	0.197	50.5	30.5
	230.0	278.0	305.2	4.27	381	1183	22.3	0.315	61.5	38.8
	230.0	273.8	298.2	4.56	509	1175	34.2	0.478	70.1	48.6
0.5 HP	230.0	273.2	297.2	4.61	529	1174	35.8	0.500	70.5	49.9
36.8 OZ-FT	230.0	272.8	296.5	4.65	542	1173	36.8	0.514	70.8	50.7
	230.0	268.4	289.8	5.04	671	1165	47.8	0.663	73.6	58.0
	230.0	262.5	281.4	5.59	830	1153	60.8	0.834	75.0	64.6
	230.0	252.8	268.8	6.44	1044	1139	76.3	1.035	74.0	70.5
	230.0	241.7	254.8	7.40	1261	1122	90.9	1.215	71.9	74.1
	230.0	229.5	240.2	8.42	1474	1102	104.2	1.367	69.2	76.1
	230.0	214.6	222.7	9.64	1710	1081	114.7	1.477	64.4	77.1
	230.0	200.1	206.7	10.78	1916	1055	123.4	1.549	60.3	77.3
	230.0	185.2	190.6	11.92	2106	1026	128.1	1.565	55.4	76.8
BDT OZ-FT	230.0	169.8	175.0	13.05	2281	994	130.3	1.542	50.4	76.0
	230.0	169.8	175.0	13.05	2281	994	130.3	1.542	50.4	76.0
	230.0	152.4	158.2	14.30	2458	956	129.0	1.468	44.6	74.7
	230.0	137.7	145.3	15.30	2581	916	125.3	1.366	39.5	73.3
	230.0	122.9	133.9	16.26	2691	871	118.4	1.227	34.0	71.9
	230.0	108.1	124.0	17.20	2783	821	110.3	1.078	28.9	70.4
	230.0	95.5	117.4	17.93	2846	767	100.8	0.921	24.1	69.0
	230.0	83.1	112.4	18.65	2899	706	90.2	0.758	19.5	67.6
	230.0	71.9	109.7	19.25	2935	642	79.4	0.607	15.4	66.3
	230.0	61.8	108.8	19.77	2962	573	68.5	0.467	11.8	65.1
	230.0	213.0	210.8	23.29	4470	501	200.5	1.197	20.0	83.4
	230.0	212.2	218.8	23.58	4601	417	198.9	0.986	16.0	84.8
	230.0	203.9	216.7	23.63	4566	328	190.0	0.741	12.1	84.0
	230.0	197.5	216.0	23.64	4536	234	179.1	0.498	8.2	83.4
	230.0	193.0	216.7	23.66	4519	136	171.3	0.278	4.6	83.0

DRAWING NO.	PAGE 7 of 8	REV.
	5K672BG	-

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

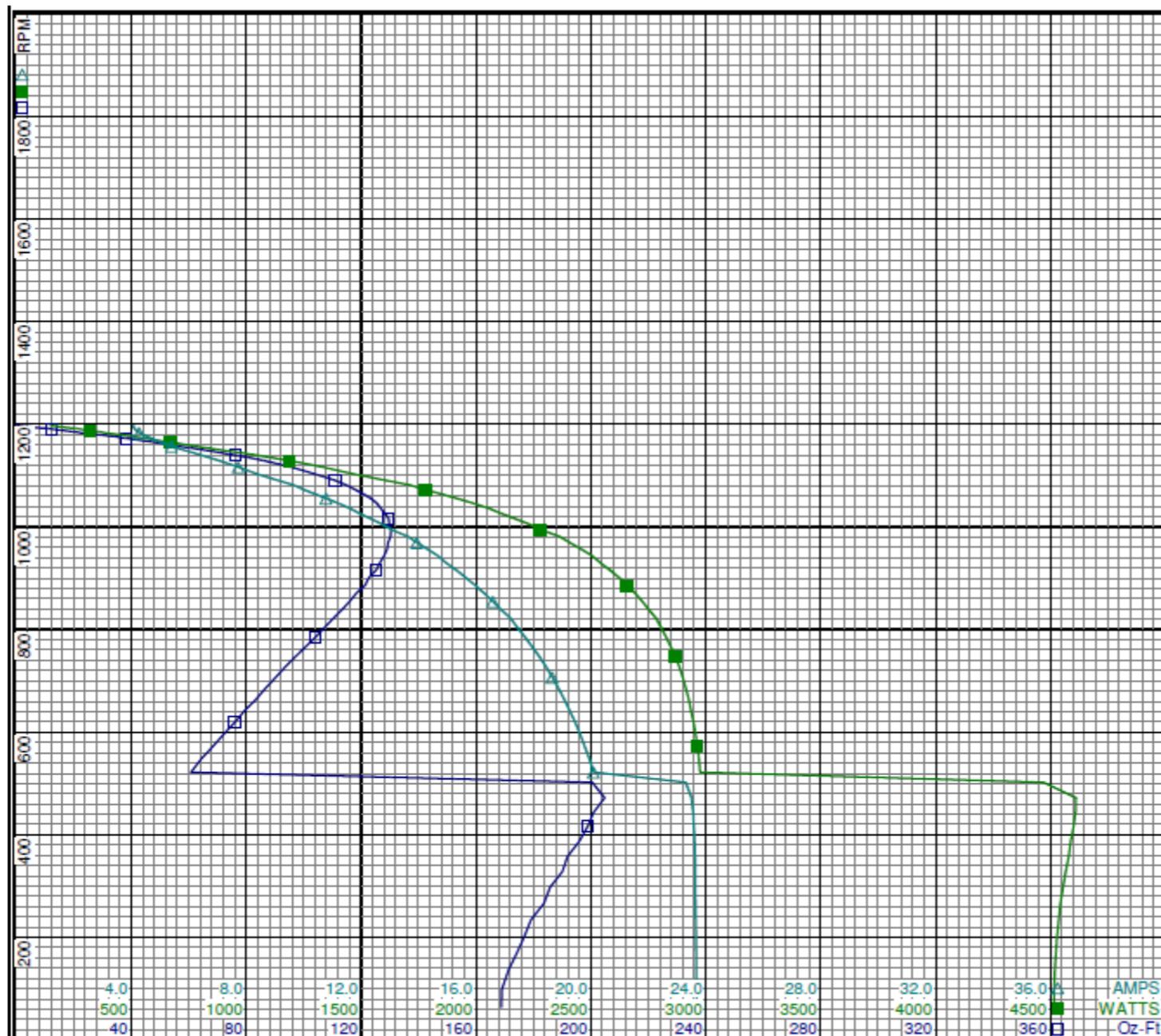
Performance Data



5K672BG

REV.

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Curve Descriptions:
 Motor(1) Test 10 Run 230V 60 Hz 6P

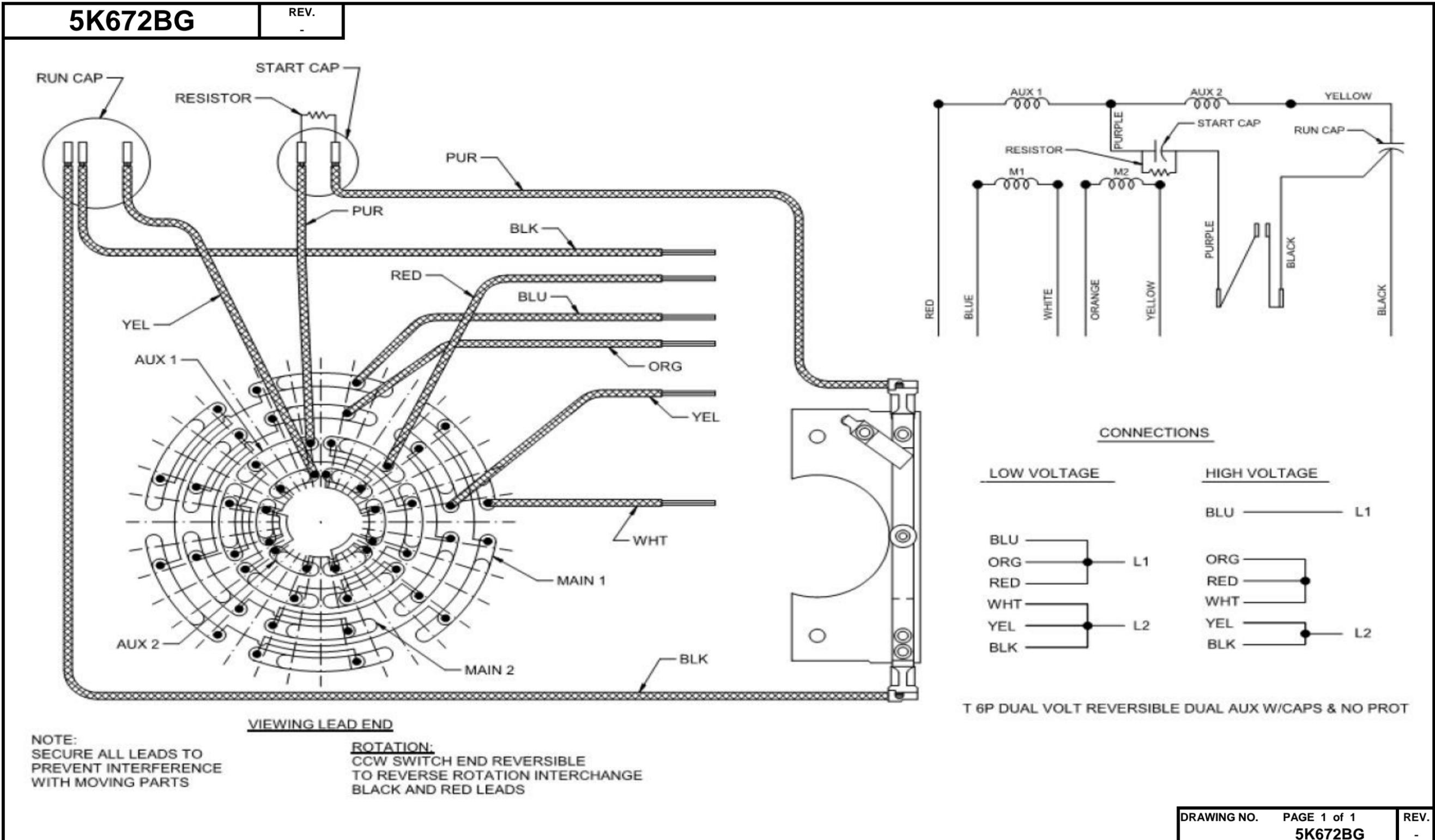
- SPEED vs TORQUE
- SPEED vs WATTS
- △ SPEED vs ILine

Motor Ratings:
 T063DEA2305

DRAWING NO.	PAGE 8 of 8	REV.
5K672BG		-

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

Wiring Diagram



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

Dayton[®]**INDUSTRIAL MOTOR**

HP: 1/2

VOLTS: 115/208-230

AMPS: 10.6/5.4-5.3

RPM: 1140

DUTY: CONT

SF: 1.0

KVA CODE: K

ENCL: TEFC

THERMALLY PROTECTED: NONE

MFG. NO. PROT. CODE: AVG. F.L.
EFF. 70

MTR REF: T63DEA-2305



Part No 5K672BG

PH: 1

HZ: 60

FR: 56

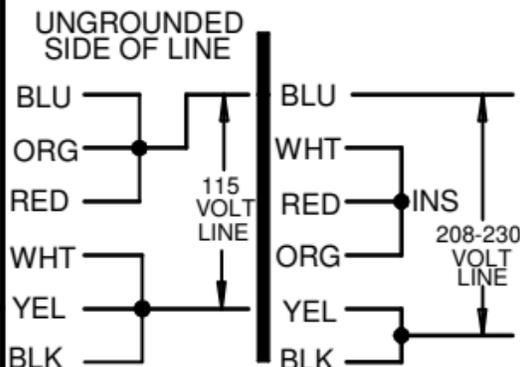
INS CL: B

AMB: 40 °C

SFA: 10.6/5.4-5.3

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

CONNECTIONS

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