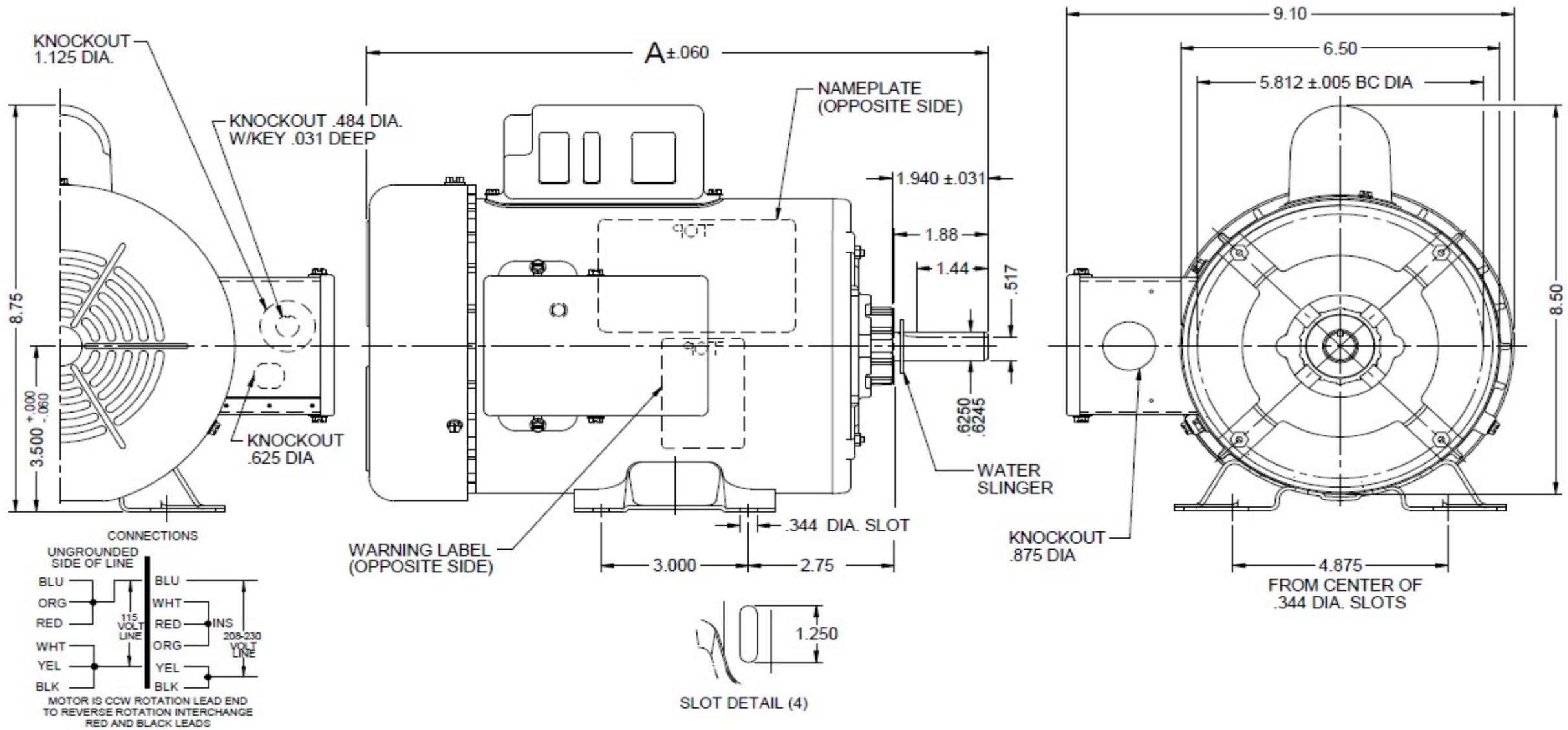


Dimensional Drawing

5UKE5BG

REV.
-

VAR	MODEL	CUST. PT. NO.	A	B	C	D	HP	VOLTS	SF	AMPS	HZ	RPM	CONN VOLTS	PROT.	DESCRIPTION / REMARKS
003	C63FEL-1387	5UKE5BG	11.381	-----	-----	-----	1/4	115/208-230	1.15	6.9/3.0-3.4	60	1140	---	NONE	58, TEFC



DRAWING NO.	PAGE 1 of 1	REV.
	5UKE5BG	-

Performance Data



5UKE5BG

REV.
-

MOTOR PERFORMANCE

HP:	1/4 HP						
Poles:	6						
No. of Speeds:	1						
Volts:	115/208-230	115	208	230			
HZ:	60	60	60	60			
Service Factor:	1.15						
Efficiency:	@ Rated Load	54.4	58.7	55.7			
Power Factor:	@ Rated Load	48.3	53.8	47.2			
Amps:	@ No Load						
	@ Rated Load	6.3	2.9	3.1			
	@ Service Factor	6.5	3	3.2			
	@ Locked Rotor	31.5	13.3	14.9			
RPM:	@ Rated Load	1164	1154	1165			
Ambient (°C):	40						
Altitude (FASL):							
Torques:	Breakdown	56.8	44.7	57.5			
	Locked Rotor	88.4	54.6	66.7			
	Pull-Up	88.4	54.6	66.7			
	Rated Load	18.4	18.2	18			
	Service Factor	20.8	21	20.8			
Watts:	Rated Load	345	319	337			
KVA Code:							
Temperature Rise:	@ Rated Load	57.8	38.6	49.1			
	@ Service Factor	50.5	42.2	51.5			
Thermal Protector:	Trip Temp (°C)						
Winding Material:	Start (Auxiliary)	Cu					
	Run (Main)	Cu					
Capacitor(s):	Start (MFD / Volts)	440 mFd, 125V					
	No. of Start Capacitors						
	Run (MFD / Volts)	N/A					
	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:	@ Rated Load						
	Locked Rotor						
	Pull-Up						
	Rated Load						
	Service Factor						
Watts:	@ Rated Load						
Temperature Rise:	@ Rated Load						
	@ Service Factor						

DRAWING NO. PAGE 1 of 1 REV.
5UKE5BG -

Performance Data



5KUE5BG

REV.

-

Dayton Manufacturing Company

Motor Description

Model: C063FEL138701 5UKE5BG
 Motor ID: 1
 Poles: 6
 Volts: 115/208-230
 Frequency: 60
 HP: 1/4
 Speed: 1140
 Phase: 1
 Protector: -

Test Conditions

Test Type: Start
 Test Number: 2
 Poles: 6
 Volts: 115
 Hz: 60
 Rotation: CCWLE
 Special Cond:
 Speed Conn:
 TestBoard: CMD InLine Three Phase #1 Fixture #1
 Run Cap: 0
 Start Cap: 440µfd
 Environment: 24.6 Deg C 53 % RH 964 hPa
 Tested: 8/4/2016 11:33:00 AM
 Tested By: Bribiesca, Griselda
 Gear Ratio: 1:1
 Bearing Friction: -0.44 Oz-Ft
 Windage Torque: -1.35 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	3.2	2.4	31.48	3420	13	88.37	0.014	0.3	94.5
	115.0	3.2	2.4	31.48	3420	13	88.37	0.014	0.3	94.5
	115.0	3.2	2.4	31.41	3409	127	89.49	0.136	3.0	94.4
	115.0	3.1	2.4	31.36	3406	228	94.04	0.255	5.6	94.4
	115.0	3.1	2.3	31.31	3405	321	99.98	0.382	8.4	94.6
	115.0	3.1	2.3	31.27	3408	408	105.08	0.511	11.2	94.8
	115.0	3.1	2.3	31.08	3395	491	109.37	0.640	14.1	95.0
	115.0	3.1	2.3	30.81	3370	569	114.27	0.774	17.1	95.1
	115.0	3.1	2.3	30.51	3345	640	119.60	0.912	20.3	95.3
	115.0	3.1	2.3	30.27	3327	703	123.41	1.032	23.1	95.6
	115.0	3.1	2.3	30.00	3304	763	126.20	1.146	25.9	95.8
	115.0	3.1	2.3	29.70	3279	818	127.75	1.244	28.3	96.0
	115.0	3.0	2.3	19.57	1719	868	59.22	0.612	26.5	76.4
	115.0	3.0	2.3	15.48	1300	915	50.23	0.547	31.4	73.0
	115.0	3.0	2.3	14.49	1228	954	52.09	0.592	35.9	73.7
	115.0	3.0	2.2	13.40	1143	991	53.09	0.627	40.9	74.2
	115.0	3.0	2.3	12.27	1048	1024	52.23	0.637	45.4	74.3
	115.0	3.0	2.3	11.11	941	1054	49.91	0.626	49.6	73.7
	115.0	3.0	2.2	9.98	830	1081	45.98	0.591	53.2	72.3
	115.0	3.0	2.2	8.98	723	1103	41.33	0.543	56.0	70.0
	115.0	3.0	2.2	8.04	616	1123	35.70	0.477	57.8	66.6
	115.0	3.0	2.2	7.27	515	1139	29.68	0.402	58.3	61.6
	115.0	3.0	2.2	6.65	425	1154	23.52	0.323	56.7	55.5
	115.0	2.9	2.2	6.19	339	1166	17.72	0.246	54.1	47.7
	115.0	3.0	2.2	5.90	275	1175	12.19	0.170	46.2	40.6
	115.0	3.0	2.3	5.74	222	1182	8.27	0.116	39.2	33.6
	115.0	3.0	2.3	5.66	176	1188	4.28	0.060	25.6	27.0
	115.0	3.0	2.3	5.62	145	1192	1.23	0.017	9.0	22.4
	115.0	3.0	2.3	5.60	131	1194	0.00	0.000	0.0	20.3

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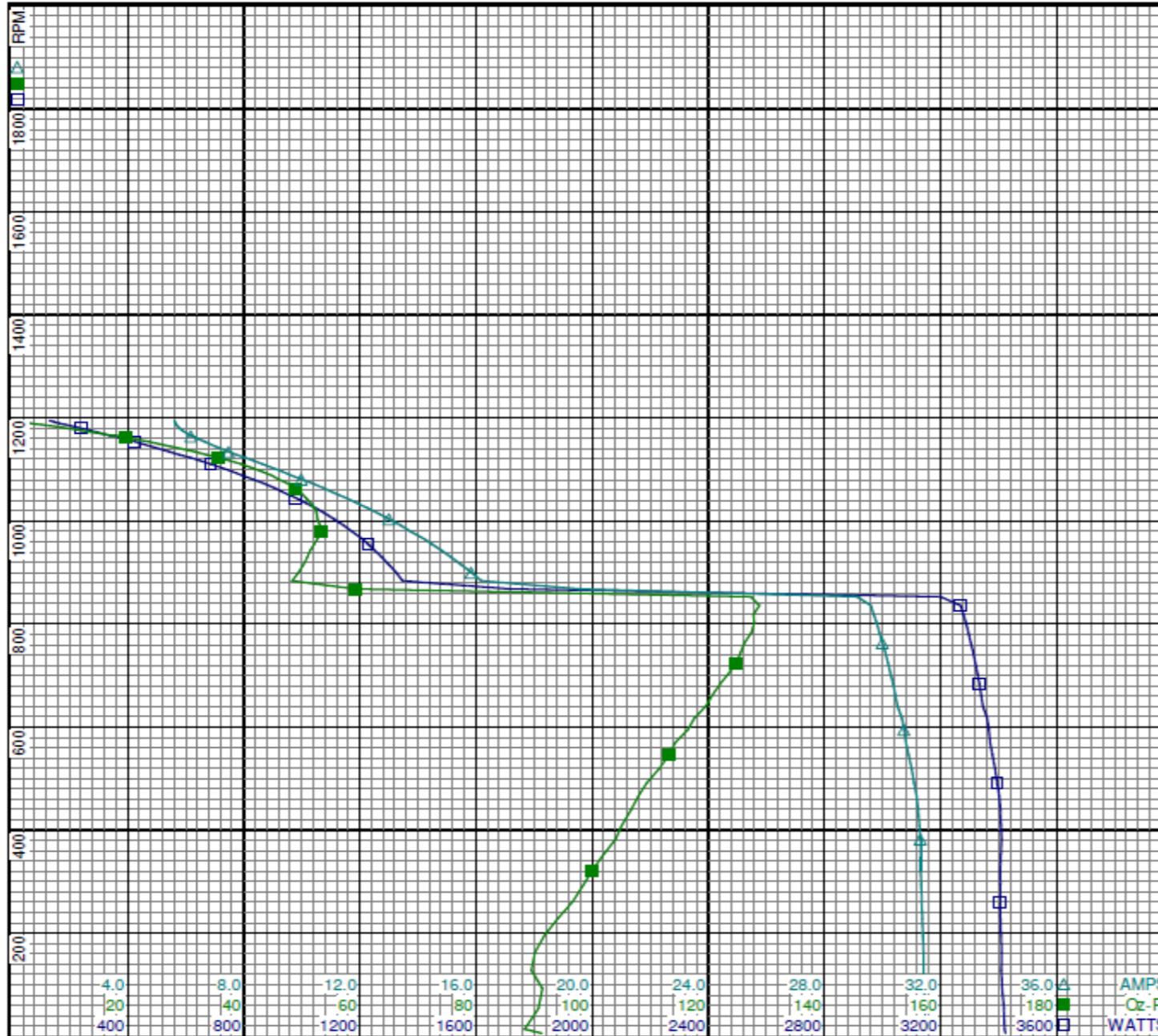
Dayton Electric Mfg. Co. Lake Forest, IL 60045 USA

Performance Data



5KUE5BG

REV.
-



Curve Descriptions:
 Motor(1) Test 2 Start 115V 60 Hz 6P
 CCWLE 440ufd Run
 □ SPEED vs WATTS
 ■ SPEED vs TORQUE
 △ SPEED vs ILine

Motor Ratings:
 (1) C063FEL138701 5KUE5BG

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5KUE5BG		-

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

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Performance Data



5KUE5BG

REV.

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Dayton Manufacturing Company

Motor Description

Model: C063FEL138701 5UKE5BG
 Motor ID: 1
 Poles: 6
 Volts: 115/208-230
 Frequency: 60
 HP: 1/4
 Speed: 1140
 Phase: 1
 Protector: -

Test Conditions

Test Type: Run
 Test Number: 4
 Poles: 6
 Volts: 115
 Hz: 60
 Rotation: CCWLE
 Special Cond:
 Speed Conn:
 TestBoard: CMD InLine Three Phase #1 Fixture #1
 Run Cap: 0
 Start Cap: 440µfd
 Environment: 24.6 Deg C 53 % RH 964 hPa
 Tested: 8/4/2016 11:31:40 AM
 Tested By: Bribiesca, Griselda
 Gear Ratio: 1:1
 Bearing Friction: -0.47 Oz-Ft
 Windage Torque: -1.57 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Watts	RPM	Tq(Oz-ft)	HP	Eff (%)	PF (%)
	115.0	2.8	2.0	5.66	127	1193	0.00	0.000	0.0	19.5
	115.0	2.8	2.0	5.69	151	1190	2.38	0.034	16.7	23.0
	115.0	2.8	2.0	5.75	191	1184	6.25	0.088	34.4	28.9
	115.0	2.8	2.0	5.88	242	1177	10.92	0.153	47.1	35.8
	115.0	2.8	2.0	6.11	305	1169	15.37	0.214	52.2	43.5
0.25 HP	115.0	2.8	2.0	6.28	345	1164	18.04	0.250	54.0	47.8
18.42 OZ-FT	115.0	2.8	2.0	6.30	350	1163	18.42	0.255	54.4	48.3
0.287 HP	115.0	2.8	2.0	6.46	378	1160	20.79	0.287	56.5	51.0
21.9 OZ-FT	115.0	2.8	2.0	6.53	392	1158	21.90	0.302	57.5	52.2
	115.0	2.8	2.0	6.54	395	1157	22.15	0.305	57.7	52.5
	115.0	2.8	2.0	7.12	485	1144	28.99	0.395	60.7	59.3
	115.0	2.8	2.0	7.86	585	1128	35.31	0.474	60.4	64.7
	115.0	2.8	2.0	8.77	693	1110	41.42	0.547	58.9	68.7
	115.0	2.8	2.0	9.78	803	1089	46.97	0.609	56.5	71.4
	115.0	2.8	2.1	10.87	913	1064	52.07	0.659	53.9	73.1
	115.0	2.8	2.1	12.11	1029	1036	55.13	0.680	49.3	73.9
	115.0	2.9	2.1	13.30	1130	1004	56.36	0.674	44.5	73.8
BDT OZ-FT	115.0	2.9	2.1	13.67	1159	993	56.78	0.671	43.2	73.8
	115.0	2.9	2.1	14.44	1219	969	56.59	0.653	39.9	73.4
	115.0	2.9	2.1	15.48	1295	931	55.36	0.614	35.4	72.7
	115.0	2.9	2.1	16.53	1363	886	52.58	0.555	30.4	71.7
	115.0	2.9	2.1	17.45	1416	838	48.79	0.487	25.6	70.6
	115.0	2.9	2.1	18.27	1459	785	44.49	0.416	21.3	69.4
	115.0	2.9	2.1	19.00	1491	728	39.19	0.340	17.0	68.2
	115.0	2.9	2.1	19.62	1515	666	34.15	0.271	13.3	67.1
	115.0	2.9	2.1	20.19	1534	597	28.80	0.205	9.9	66.1
	115.0	2.9	2.2	20.53	1544	537	21.41	0.137	6.6	65.4
	115.0	3.0	2.2	21.02	1554	439	15.88	0.083	4.0	64.3
	115.0	3.0	2.2	31.66	3464	356	111.32	0.472	10.2	95.2
	115.0	3.1	2.3	31.35	3412	259	100.73	0.311	6.8	94.6
	115.0	3.1	2.3	31.32	3400	177	96.32	0.203	4.4	94.4
	115.0	3.1	2.3	31.27	3387	62	95.80	0.071	1.6	94.2

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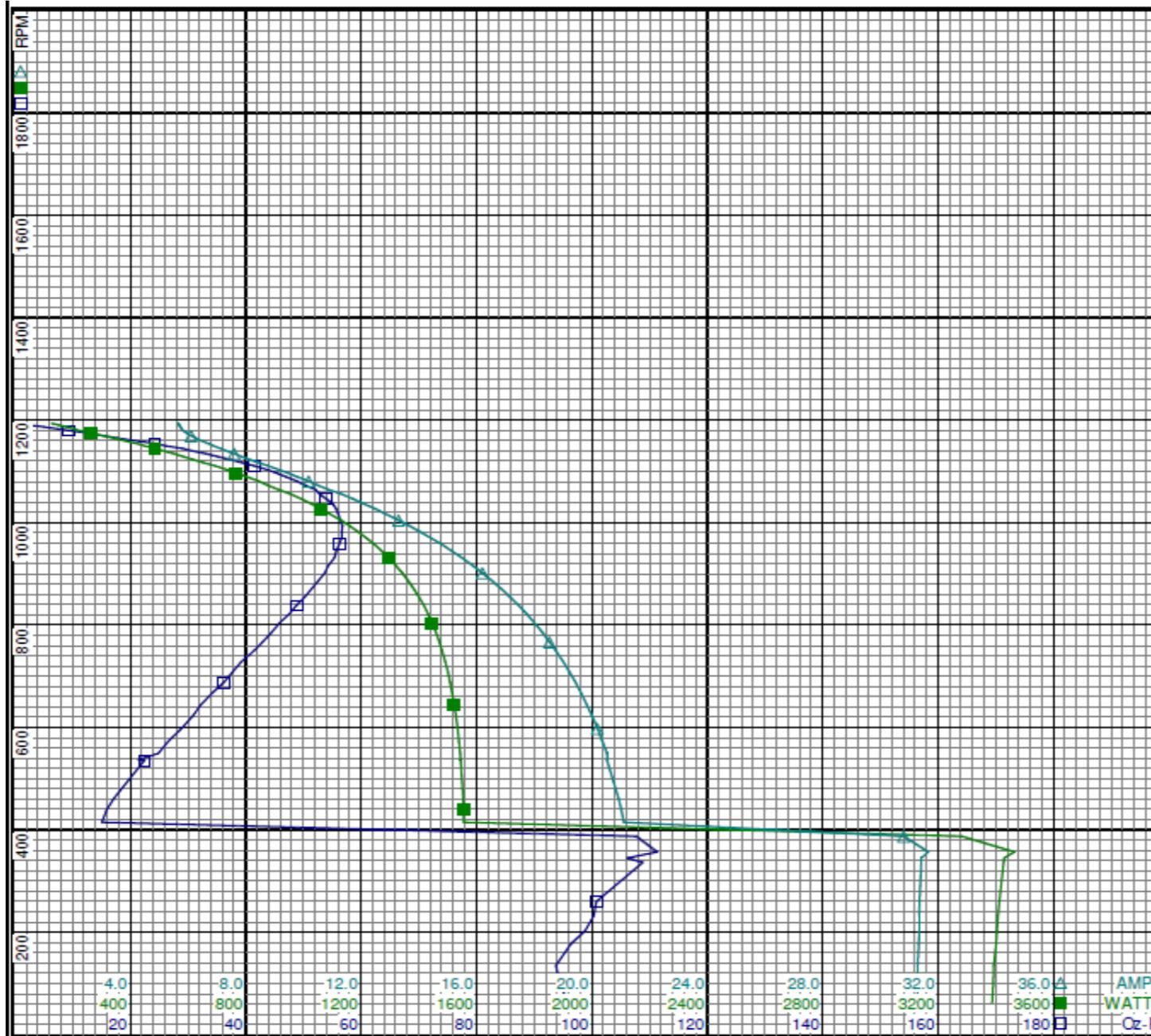
Performance Data



5KUE5BG

REV.

-



Curve Descriptions:

Motor(1) Test 4 Run 115V 60 Hz 6P
CCWLE 440ufd Run

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

Motor Ratings:

(1) C063FEL138701 5KUE5BG

AMPS
WATTS
Oz-Ft

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5KUE5BG		-

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

Performance Data



5KUE5BG

REV.

-

Dayton Manufacturing Company

Motor Description

Model: C063FEL138701 5UKE5BG
 Motor ID: 1
 Poles: 6
 Volts: 115/208-230
 Frequency: 60
 HP: 1/4
 Speed: 1140
 Phase: 1
 Protector: -

Test Conditions

Test Type: Start
 Test Number: 12
 Poles: 6
 Volts: 230
 Hz: 60
 Rotation: CCWLE
 Special Cond:
 Speed Conn:
 TestBoard: CMD InLine Three Phase #1 Fixture #1
 Run Cap: 0
 Start Cap: 440µfd
 Environment: 24.5 Deg C 52 % RH 964 hPa
 Tested: 8/5/2016 8:15:36 AM
 Tested By: Bribiesca, Griselda
 Gear Ratio: 1:1
 Bearing Friction: -0.43 Oz-Ft
 Windage Torque: -1.57 Oz-Ft

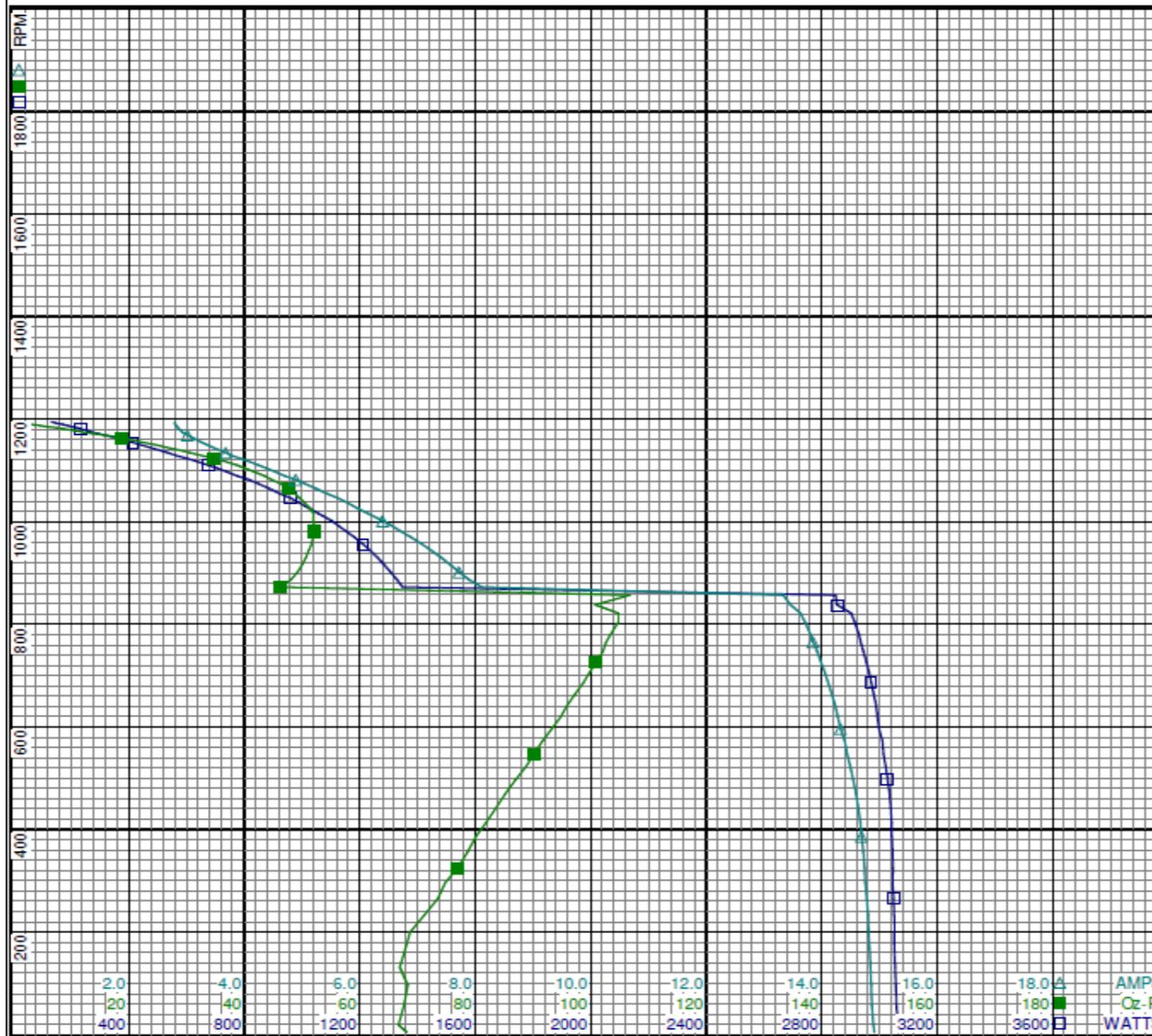
Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Watts	RPM	Tq(Oz-ft)	HP	Eff (%)	PF (%)
PUT OZ-FT	230.0	6.1	4.8	14.892	3064	18	66.68	0.015	0.4	89.5
	230.0	6.1	4.8	14.892	3064	18	66.68	0.015	0.4	89.5
	230.0	6.1	4.8	14.840	3054	131	66.92	0.105	2.6	89.5
	230.0	6.0	4.7	14.800	3050	232	71.17	0.197	4.8	89.6
	230.0	6.0	4.7	14.742	3047	325	76.94	0.298	7.3	89.9
	230.0	5.9	4.6	14.666	3041	413	81.82	0.402	9.9	90.2
	230.0	5.8	4.5	14.543	3028	496	86.94	0.514	12.7	90.5
	230.0	5.8	4.5	14.397	3010	572	91.60	0.623	15.5	90.9
	230.0	5.7	4.4	14.231	2988	641	95.89	0.732	18.3	91.3
	230.0	5.6	4.3	14.051	2964	706	99.76	0.838	21.1	91.7
	230.0	5.6	4.2	13.848	2934	765	102.67	0.935	23.8	92.1
	230.0	5.5	4.1	13.627	2901	822	104.71	1.024	26.3	92.6
	230.0	5.4	4.0	8.109	1348	872	46.19	0.480	26.5	72.3
	230.0	5.3	3.9	7.566	1284	916	49.99	0.545	31.7	73.8
	230.0	5.3	3.8	7.071	1211	956	51.66	0.588	36.2	74.4
	230.0	5.2	3.7	6.541	1124	992	52.05	0.615	40.8	74.7
	230.0	5.1	3.6	5.955	1023	1026	51.39	0.628	45.8	74.7
	230.0	5.0	3.5	5.419	921	1055	48.71	0.612	49.5	73.9
	230.0	4.9	3.4	4.892	816	1082	44.68	0.575	52.6	72.5
	230.0	4.8	3.3	4.384	707	1104	40.09	0.527	55.6	70.1
	230.0	4.7	3.2	3.927	601	1123	34.68	0.464	57.6	66.6
	230.0	4.6	3.1	3.566	504	1139	28.75	0.390	57.7	61.4
	230.0	4.5	3.0	3.271	415	1154	22.61	0.311	55.8	55.2
	230.0	4.4	2.9	3.058	335	1166	17.33	0.240	53.5	47.7
	230.0	4.3	2.8	2.925	272	1174	12.05	0.168	46.2	40.5
	230.0	4.3	2.8	2.858	222	1183	7.54	0.106	35.6	33.8
	230.0	4.2	2.7	2.806	178	1188	3.91	0.055	23.2	27.6
	230.0	4.1	2.7	2.804	146	1193	1.16	0.017	8.4	22.7
	230.0	4.1	2.6	2.793	132	1194	0.00	0.000	0.0	20.6

Performance Data



5KUE5BG

REV.
-



Curve Descriptions:
 Motor(1) Test 12 Start 230V 60 Hz 6P
 CCWLE 440ufd Run
 □ SPEED vs WATTS
 ■ SPEED vs TORQUE
 △ SPEED vs ILine

Motor Ratings:
 (1) C063FEL138701 5KUE5BG

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

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Performance Data



5KUE5BG	REV. -
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Dayton Manufacturing Company

Motor Description

Model: C063FEL138701 5UKE5BG
 Motor ID: 1
 Poles: 6
 Volts: 115/208-230
 Frequency: 60
 HP: 1/4
 Speed: 1140
 Phase: 1
 Protector: -

Test Conditions

Test Type: Run
 Test Number: 14
 Poles: 6
 Volts: 230
 Hz: 60
 Rotation: CCWLE
 Special Cond:
 Speed Conn:
 TestBoard: CMD InLine Three Phase #1 Fixture #1
 Run Cap: 0
 Start Cap: 440µfd
 Environment: 24.5 Deg C 52 % RH 964 hPa
 Tested: 8/5/2016 8:11:49 AM
 Tested By: Bribiesca, Griselda
 Gear Ratio: 1:1
 Bearing Friction: -0.45 Oz-Ft
 Windage Torque: -0.69 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
	230.0	4.7	3.2	2.849	123	1194	0.00	0.000	0.0	18.7
	230.0	4.7	3.2	2.848	144	1192	2.00	0.028	14.7	22.0
	230.0	4.7	3.2	2.868	174	1187	4.95	0.070	30.0	26.3
	230.0	4.7	3.2	2.924	225	1180	9.18	0.129	42.8	33.4
	230.0	4.8	3.3	3.010	281	1172	13.63	0.190	50.4	40.7
0.25 HP	230.0	4.8	3.3	3.132	337	1165	18.03	0.250	55.4	46.7
18.42 OZ-FT	230.0	4.8	3.3	3.143	341	1164	18.42	0.255	55.7	47.2
	230.0	4.8	3.3	3.185	359	1161	19.94	0.276	57.2	49.1
0.287 HP	230.0	4.8	3.3	3.217	370	1159	20.79	0.287	57.8	50.0
21.9 OZ-FT	230.0	4.8	3.3	3.259	385	1158	21.90	0.302	58.5	51.3
	230.0	4.8	3.3	3.457	452	1148	26.70	0.365	60.3	56.8
	230.0	4.8	3.3	3.785	545	1135	32.89	0.444	60.9	62.6
	230.0	4.9	3.4	4.219	653	1116	39.66	0.527	60.2	67.3
	230.0	4.9	3.4	4.715	765	1096	45.51	0.594	57.9	70.5
	230.0	4.9	3.4	5.252	875	1073	50.59	0.646	55.1	72.4
	230.0	4.9	3.5	5.864	992	1046	54.43	0.678	50.9	73.6
	230.0	5.0	3.5	6.426	1092	1016	56.87	0.688	47.0	73.9
BDT OZ-FT	230.0	5.0	3.5	6.848	1162	992	57.54	0.680	43.6	73.8
	230.0	5.0	3.5	7.027	1190	982	57.50	0.672	42.1	73.6
	230.0	5.0	3.5	7.571	1271	944	56.72	0.638	37.4	73.0
	230.0	5.0	3.6	8.103	1344	901	54.54	0.585	32.5	72.1
	230.0	5.1	3.6	8.601	1405	853	51.22	0.520	27.6	71.0
	230.0	5.1	3.6	9.021	1451	804	47.13	0.451	23.2	69.9
	230.0	5.1	3.6	9.395	1487	750	42.46	0.379	19.0	68.8
	230.0	5.1	3.7	9.744	1516	687	37.09	0.303	14.9	67.7
	230.0	5.2	3.7	10.041	1538	621	31.32	0.231	11.2	66.6
	230.0	5.2	3.7	10.300	1553	547	25.18	0.164	7.9	65.5
	230.0	5.2	3.7	10.500	1562	474	19.79	0.112	5.3	64.7
	230.0	5.3	3.8	14.333	2835	391	75.83	0.353	9.3	86.0
	230.0	5.2	3.8	15.190	3151	299	88.16	0.314	7.4	90.2
	230.0	5.3	3.8	15.182	3138	203	81.43	0.197	4.7	89.9
	230.0	5.3	3.8	15.163	3127	98	78.29	0.091	2.2	89.7

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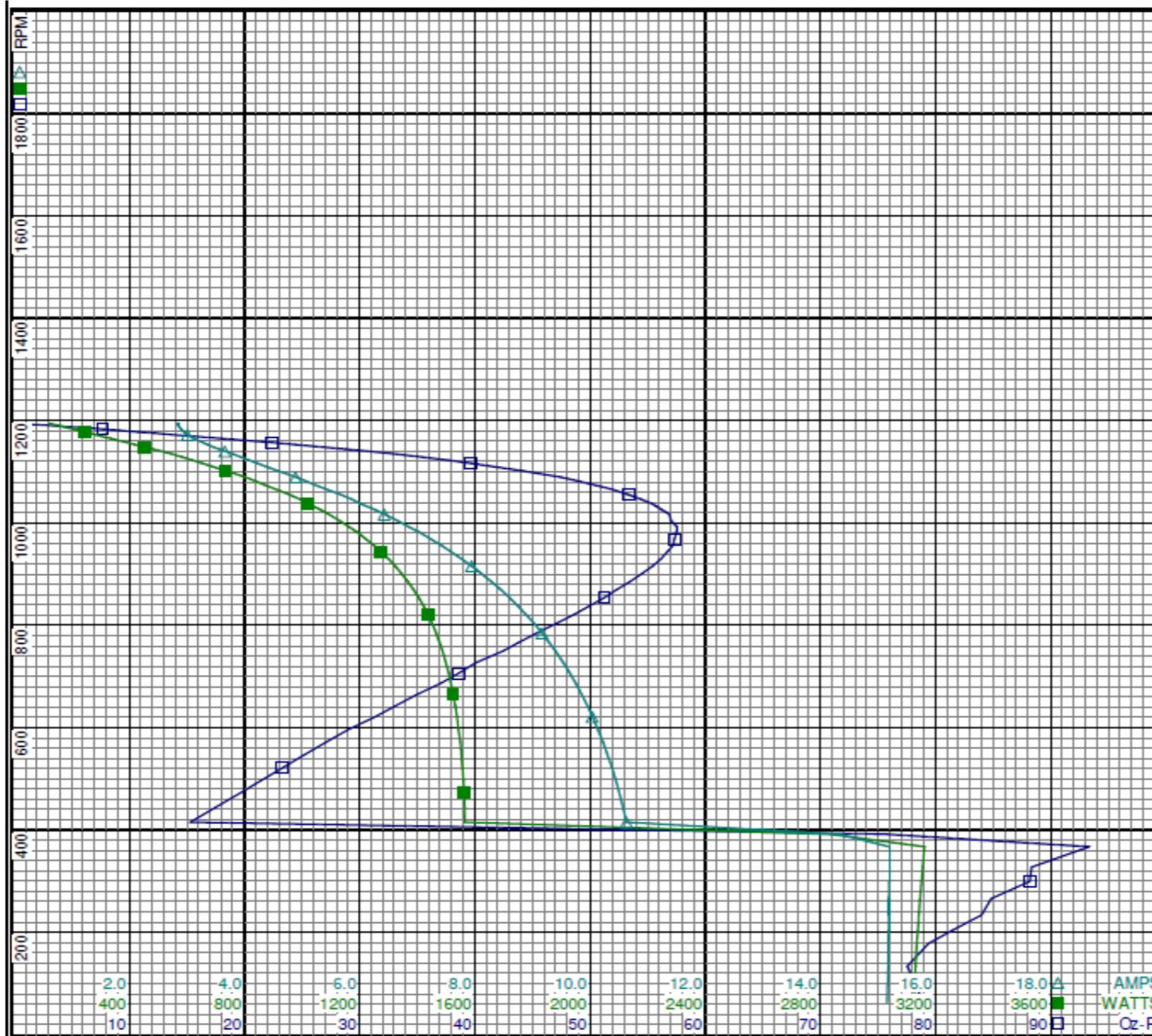
Performance Data



5KUE5BG

REV.

-



Curve Descriptions:

Motor(1) Test 14 Run 230V 60 Hz 6P
CCWLE 440ufd Run

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

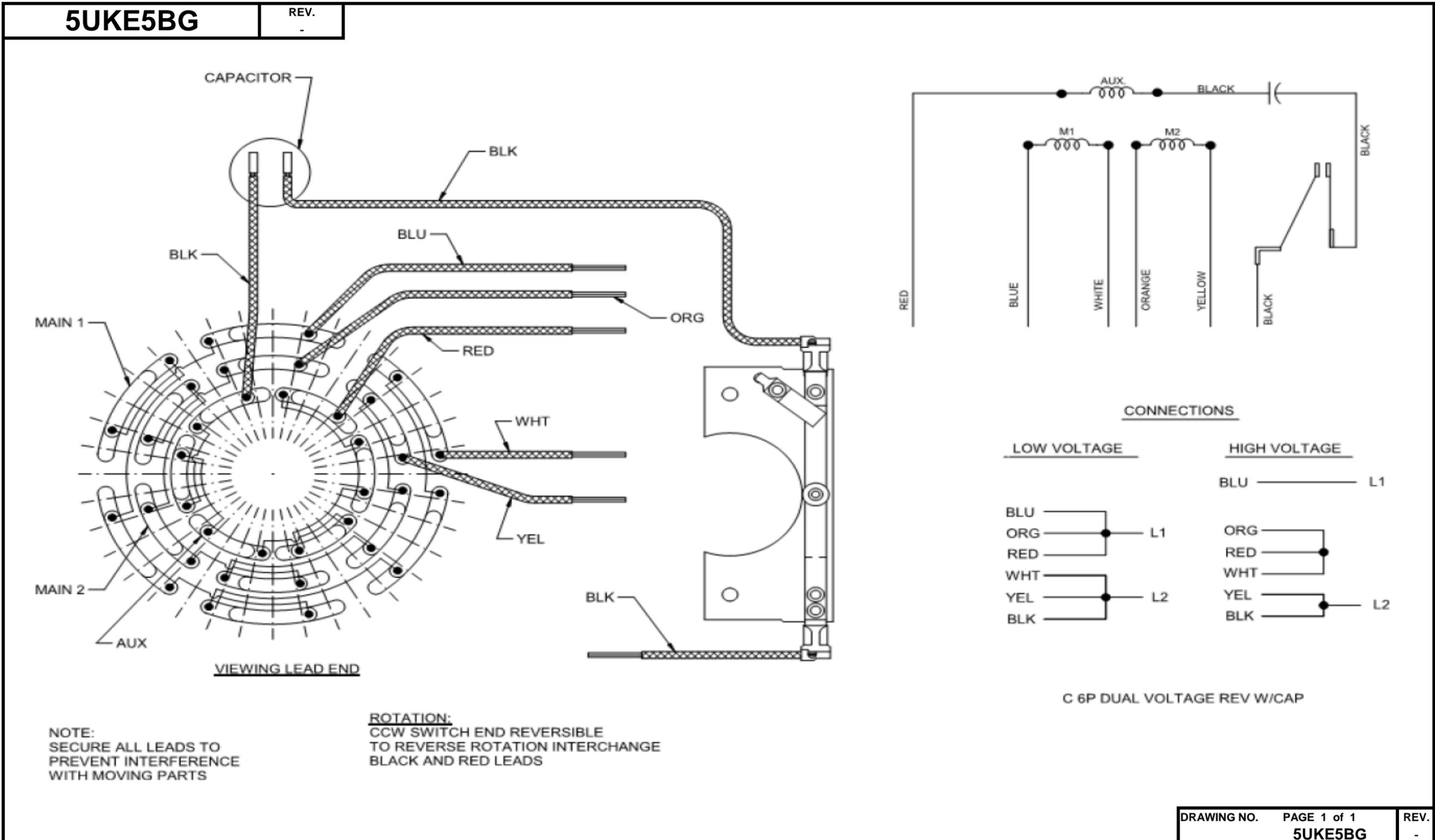
Motor Ratings:

(1) C063FEL138701 5UKE5BG

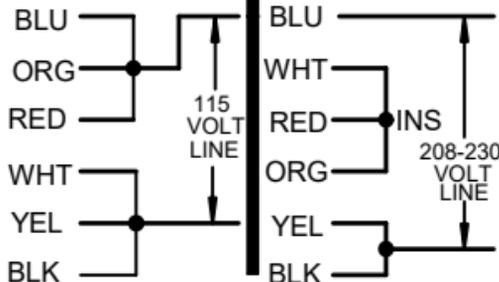
DRAWING NO.	PAGE 8 of 8	REV.
	5KUE5BG	-

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

Wiring Diagram



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

Dayton[®]**INDUSTRIAL MOTOR****HP:** 1/4**VOLTS:** 115/208-230**AMPS:** 6.9/3.0-3.4**RPM:** 1140**DUTY:** CONT**SF:** 1.15**KVA CODE:** P**ENCL:** TEFC**THERMALLY PROTECTED:** NONEMFG. NO. PROT. CODE: **MTR REF:** C63FEL-1387**SF AT 208VIS 1.0**Part No **5UKE5BG****PH:** 1**HZ:** 60**FR:** 56**INS CL:** B**AMB:** 40 °C**SFA:** 7.1/3.0-3.5AVG. F.L.
EFF. 66.7**Disconnect Power Before Making Any
Electrical Connections or Changes****CONNECTIONS**UNGROUND
SIDE OF LINE**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