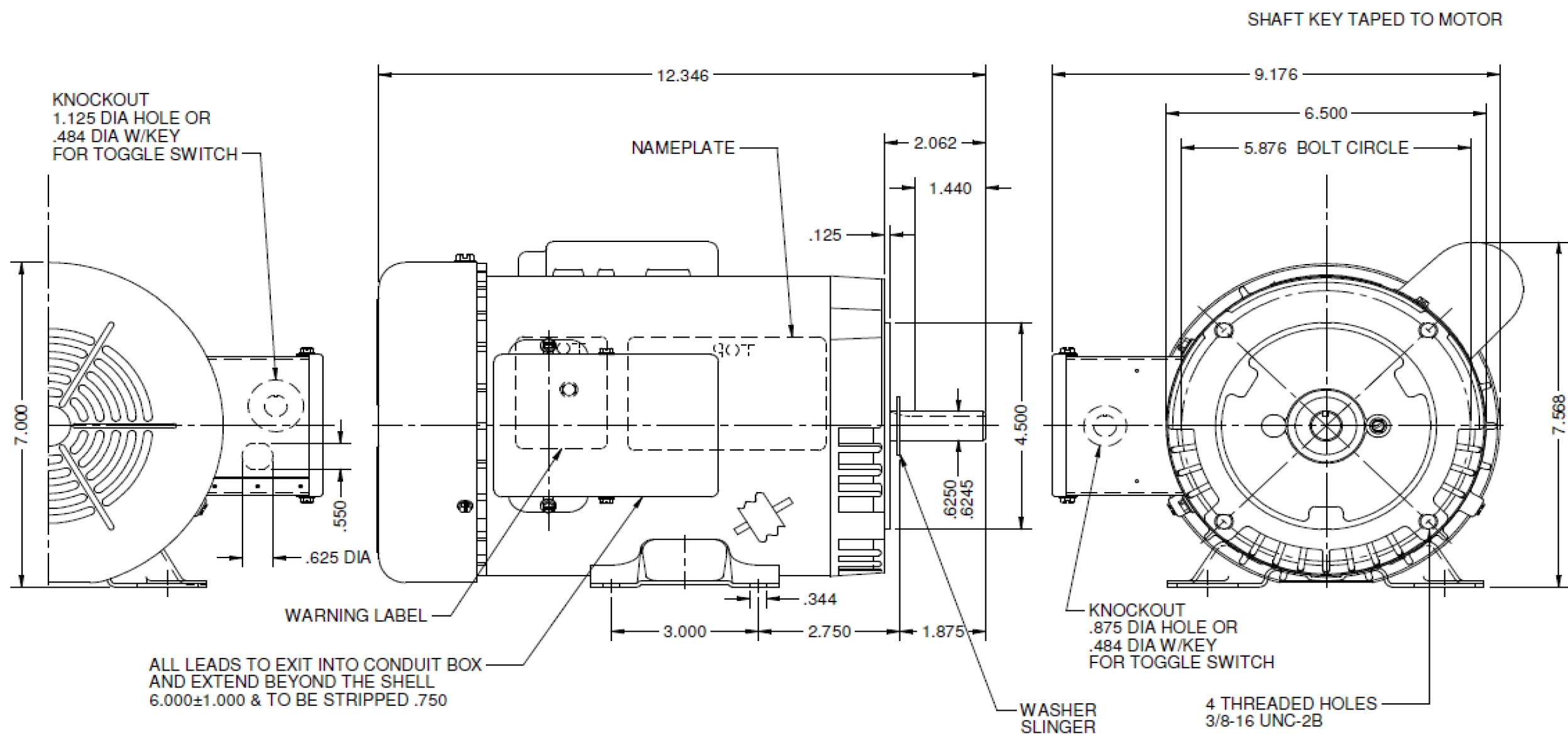


Dimensional Drawing



3K348BE	REV. -
----------------	-----------



MODEL	HP.	VOLTS	HZ	R.P.M.	BEARING	ROTATION	CUST. PT. NO.
C63JCG-1210	1.0	115/208-230	60	3450	BALL	REVERSIBLE	3K348BE

DRAWING NO.	PAGE 1 of 1	REV.
	3K348BE	-

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



3K348BE

REV.

-

SPLIT-PHASE & CAPACITOR START MOTOR PERFORMANCE

HP:	1						
Poles:	2						
Ambient (°C):	40						
Altitude (FASL):							
No. of Speeds:	1						
Volts:	115/208-230	115	208	230			
HZ:	60	60	60	60			
Service Factor:	1.00						
Efficiency:	@ Rated Load	63.00	63.60	64.50			
Power Factor:	@ Rated Load	73.60	72.70	80.20			
Amps:	@ No Load	10.22	5.16	4.11			
	@ Rated Load	13.99	7.02	6.93			
	@ Service Factor	13.99	7.02	6.93			
	@ Locked Rotor	64.46	29.95	33.57			
RPM:	@ Rated Load	3466	3465	3426			
Torques:	Breakdown	59.0	59.7	47.3			
	Locked Rotor	82.94	62.48	75.25			
	Pull-Up	82.00	61.90	75.25			
	Rated Load	24.23	24.24	24.52			
	Service Factor	24.23	24.24	24.52			
Watts:	Rated Load	1184	1173	1156			
KVA Code:							
Temperature Rise:	@ Rated Load	91.90	91.20	92.70			
	@ Service Factor	90.50	104.60	90.40			
Thermal Protector:	Trip Temp (°C)						
Winding Material:	Start (Auxiliary)	AL					
	Run (Main)	AL					
Capacitor(s):	Start (MFD / Volts)	599 mFD / 125 V					
	No. of Start Capacitors						
	Run (MFD / Volts)						
	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:	BreakDown						
	Locked Rotor						
	Pull-Up						
	Rated Load						
	Service Factor						
Watts:	@ Rated Load						
Temperature Rise:	@ Rated Load						
	@ Service Factor						

DRAWING NO. PAGE 1 of 1
3K348BE

REV.

-

Performance Data



3K348BE	REV. -
----------------	-----------

Dayton Manufacturing Company

Motor Description

Model: C063CXJBV1198
 Motor ID: 1
 Poles: 2
 Volts: 115/208-230
 Frequency: 60
 HP: 1
 Speed: 3450
 Phase: 1
 Protector: CEJ49CV

Test Conditions

Test Type: Start
 Test Number: 1
 Poles: 2
 Volts: 115
 Hz: 60
 Rotation:
 Special Cond: 2 Line
 Speed Conn:
 TestBoard: Amps Performance Fixture #3
 Run Cap: 0
 Start Cap: 0µfd
 Tested: 9/21/2012 7:48:54 AM
 Tested By: Sharp, Gerald
 Gear Ratio: 1:1
 Bearing Friction: -0.42 Oz-Ft
 Windage Torque: -3.30 Oz-Ft

Special Points	Vline (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
	115.0	64.46	6973	9	82.94	0.008	0.1	94.1
PUT OZ-FT	115.0	64.43	6971	15	82.00	0.015	0.2	94.1
	115.0	64.40	6974	54	83.24	0.054	0.6	94.2
	115.0	64.33	6969	313	86.31	0.321	3.4	94.2
	115.0	64.07	6960	601	90.31	0.646	6.9	94.5
	115.0	63.81	6950	870	95.33	0.987	10.6	94.7
	115.0	63.62	6963	1111	100.33	1.327	14.2	95.2
	115.0	63.46	6985	1330	103.55	1.639	17.5	95.7
	115.0	63.04	6966	1534	107.28	1.959	21.0	96.1
	115.0	62.67	6952	1719	111.12	2.274	24.4	96.5
	115.0	62.31	6948	1888	114.69	2.578	27.7	97.0
	115.0	61.90	6933	2047	117.64	2.866	30.8	97.4
	115.0	61.52	6917	2191	120.05	3.131	33.8	97.8
	115.0	61.14	6908	2328	121.91	3.378	36.5	98.2
	115.0	60.76	6894	2451	122.82	3.583	38.8	98.7
	115.0	60.38	6876	2565	122.82	3.750	40.7	99.0
	115.0	59.99	6848	2670	121.81	3.872	42.2	99.3
	115.0	37.89	3572	2754	49.53	1.624	33.9	82.0
	115.0	37.06	3568	2842	55.87	1.890	39.5	83.7
	115.0	34.76	3376	2928	56.14	1.957	43.2	84.5
	115.0	32.38	3167	3008	55.28	1.980	46.6	85.0
	115.0	30.00	2947	3079	53.93	1.976	50.0	85.4
	115.0	27.70	2725	3144	52.17	1.952	53.4	85.6
	115.0	25.40	2496	3202	49.40	1.883	56.3	85.4
	115.0	23.12	2265	3256	45.73	1.773	58.4	85.2
	115.0	20.99	2035	3306	42.00	1.653	60.6	84.3
	115.0	18.91	1800	3352	37.58	1.500	62.1	82.8
	115.0	16.91	1561	3395	32.60	1.318	63.0	80.3
	115.0	15.10	1330	3436	27.14	1.110	62.3	76.6
	115.0	13.40	1091	3475	21.47	0.888	60.8	70.8
	115.0	11.94	846	3513	15.34	0.642	56.6	61.6
	115.0	10.80	599	3550	8.25	0.349	43.5	48.2
	115.0	10.21	348	3587	0.64	0.027	5.9	29.7
	115.0	10.18	320	3595	0.00	0.000	0.0	27.3

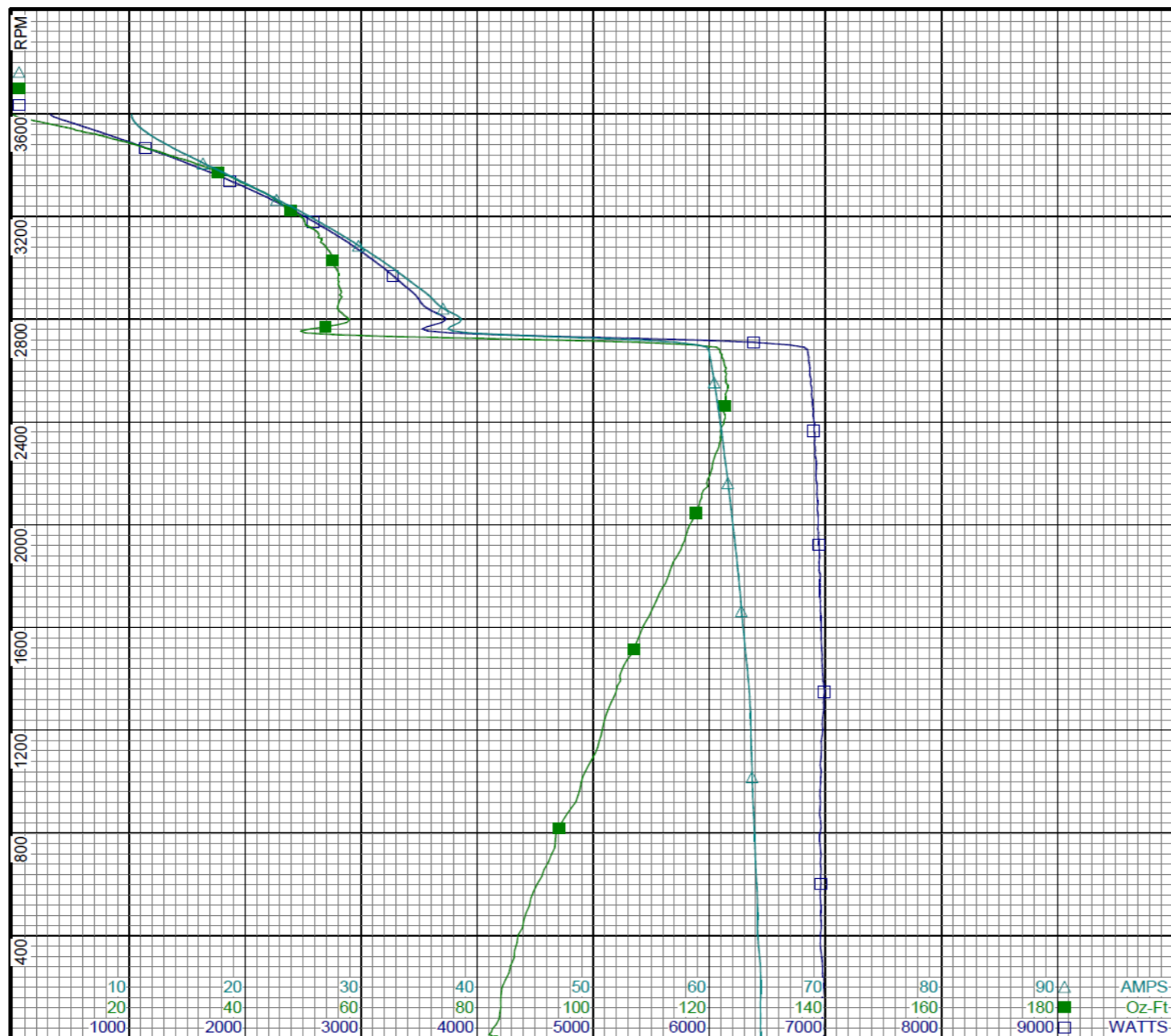
DRAWING NO.	PAGE 1 of 8	REV.
3K348BE		-

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

Performance Data



3K348BE REV. -



Curve Descriptions:
 Motor(1) Test 1 Start 115V 60 Hz 2P
 2 Line Attempt #1
 □ SPEED vs WATTS
 ■ SPEED vs TORQUE
 △ SPEED vs ILine

Motor Ratings:
 (1) C063CXJBV1198 ID: 1

DRAWING NO. PAGE 2 of 8 REV.
 3K348BE -

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

©2020 W.W. Grainger, Inc. This design may not be reproduced, modified or redistributed without written permission from W.W. Grainger, Inc.

Performance Data



3K348BE

REV.

-

Dayton Manufacturing Company

Motor Description

Model: C063CXJBV1198
 Motor ID: 1
 Poles: 2
 Volts: 115/208-230
 Frequency: 60
 HP: 1
 Speed: 3450
 Phase: 1
 Protector: CEJ49CV

Test Conditions

Test Type: Run
 Test Number: 3
 Poles: 2
 Volts: 115
 Hz: 60
 Rotation:
 Special Cond: 2 Line
 Speed Conn:
 TestBoard: Amtps Performance Fixture #3
 Run Cap: 0
 Start Cap: 0µfd
 Tested: 9/21/2012 7:47:58 AM
 Tested By: Sharp, Gerald
 Gear Ratio: 1:1
 Bearing Friction: -0.46 Oz-Ft
 Windage Torque: -3.36 Oz-Ft

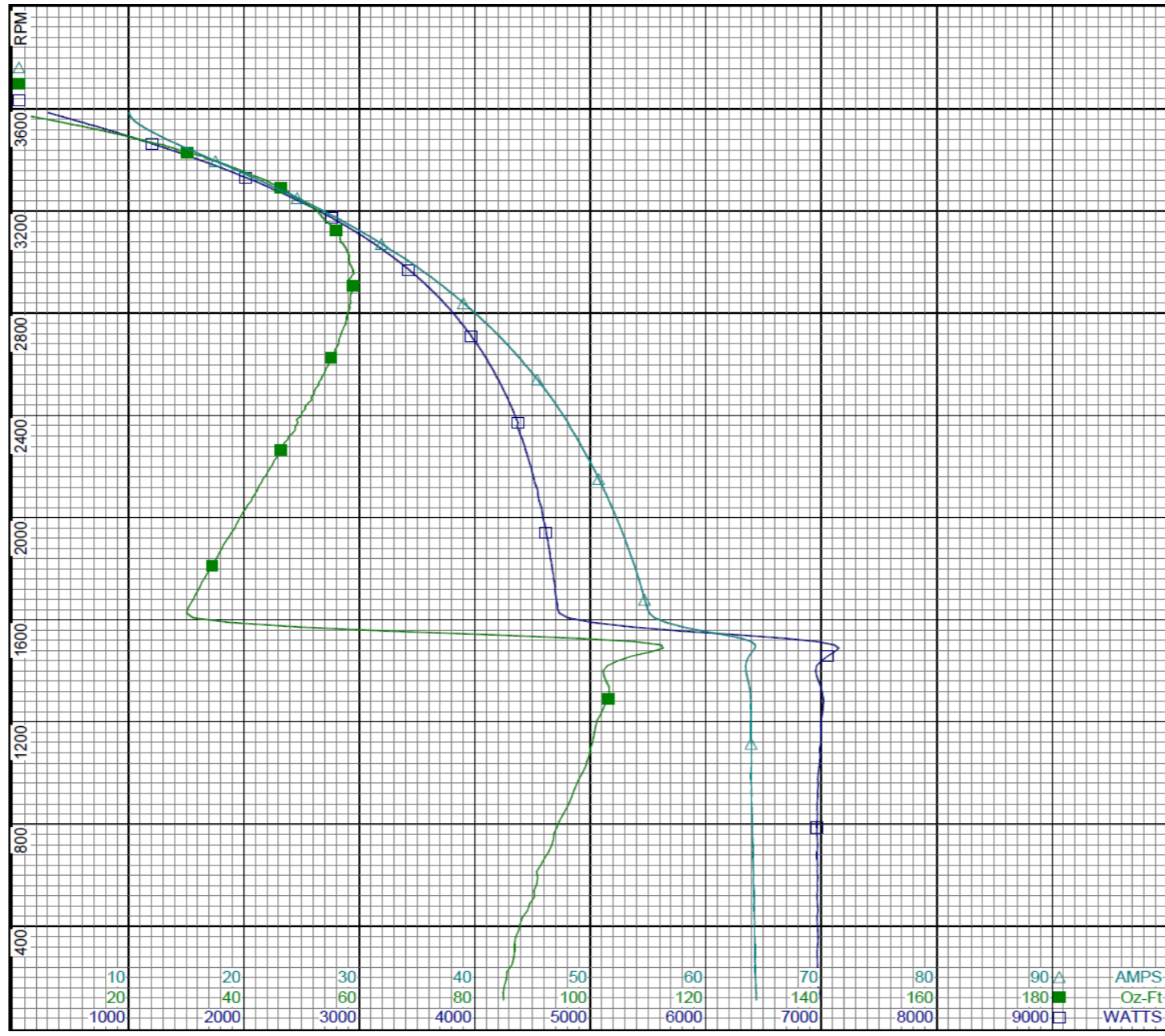
Special Points	Vline (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
	115.0	10.02	301	3585	0.00	0.000	0.0	26.1
	115.0	10.75	623	3544	9.06	0.382	45.8	50.3
	115.0	12.26	920	3503	17.44	0.727	59.0	65.3
24 OZ-FT	115.0	13.93	1177	3467	24.00	0.991	62.8	73.5
1 HP	115.0	13.99	1184	3466	24.23	1.000	63.0	73.6
	115.0	14.14	1205	3463	24.93	1.028	63.6	74.1
3450 RPM	115.0	14.76	1291	3450	27.11	1.113	64.3	76.0
	115.0	16.23	1480	3421	31.54	1.285	64.7	79.3
	115.0	18.45	1751	3377	37.25	1.498	63.8	82.5
	115.0	20.75	2012	3331	42.45	1.683	62.4	84.3
	115.0	23.10	2266	3282	47.10	1.840	60.6	85.3
	115.0	25.56	2515	3230	50.65	1.948	57.8	85.6
	115.0	28.02	2761	3173	53.62	2.026	54.7	85.7
	115.0	30.45	2991	3110	56.62	2.096	52.3	85.4
	115.0	32.87	3214	3043	57.84	2.095	48.6	85.0
	115.0	35.28	3427	2970	58.79	2.079	45.3	84.5
BDT OZ-FT	115.0	35.75	3465	2955	59.01	2.076	44.7	84.3
	115.0	37.63	3621	2890	58.83	2.024	41.7	83.7
	115.0	39.91	3801	2804	57.95	1.934	38.0	82.8
	115.0	42.11	3968	2709	56.67	1.828	34.4	82.0
	115.0	44.19	4117	2606	54.66	1.696	30.7	81.0
	115.0	46.17	4250	2495	52.15	1.549	27.2	80.0
	115.0	48.07	4373	2370	49.29	1.391	23.7	79.1
	115.0	49.73	4457	2236	45.71	1.217	20.4	77.9
	115.0	51.32	4543	2094	41.93	1.045	17.2	77.0
	115.0	52.77	4617	1940	37.77	0.872	14.1	76.1
	115.0	54.04	4678	1778	33.51	0.709	11.3	75.3
	115.0	55.54	4804	1607	31.13	0.596	9.2	75.2
	115.0	63.73	7055	1457	107.23	1.861	19.7	96.3
	115.0	63.90	7014	1249	102.14	1.519	16.2	95.5
	115.0	63.92	6980	1023	99.10	1.207	12.9	95.0
	115.0	64.01	6963	787	94.19	0.882	9.4	94.6
	115.0	64.16	6965	539	90.20	0.579	6.2	94.4
	115.0	64.23	6964	275	86.69	0.284	3.0	94.3

DRAWING NO. PAGE 3 of 8 REV.
3K348BE -

Performance Data



3K348BE REV. -



Curve Descriptions:
 Motor(1) Test 3 Run 115V 60 Hz 2P
 2 Line Attempt #1
 □ SPEED vs WATTS
 ■ SPEED vs TORQUE
 △ SPEED vs ILine

Motor Ratings:
 (1) C063CXJBV1198 ID: 1

DRAWING NO. PAGE 4 of 8 REV.
3K348BE -

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

©2020 W.W. Grainger, Inc. This design may not be reproduced, modified or redistributed without written permission from W.W. Grainger, Inc.

Performance Data



3K348BE	REV. -
----------------	-----------

Dayton Manufacturing Company

Motor Description

Model: C063CXJBV1198
 Motor ID: 1
 Poles: 2
 Volts: 115/208-230
 Frequency: 60
 HP: 1
 Speed: 3450
 Phase: 1
 Protector: CEJ49CV

Test Conditions

Test Type: Start
 Test Number: 11
 Poles: 2
 Volts: 230
 Hz: 60
 Rotation:
 Special Cond: 2 Line
 Speed Conn:
 TestBoard: Amtps Performance Fixture #3
 Run Cap: 0
 Start Cap: 0µfd
 Tested: 9/21/2012 8:59:40 AM
 Tested By: Sharp, Gerald
 Gear Ratio: 1:1
 Bearing Friction: -0.47 Oz-Ft
 Windage Torque: -3.38 Oz-Ft

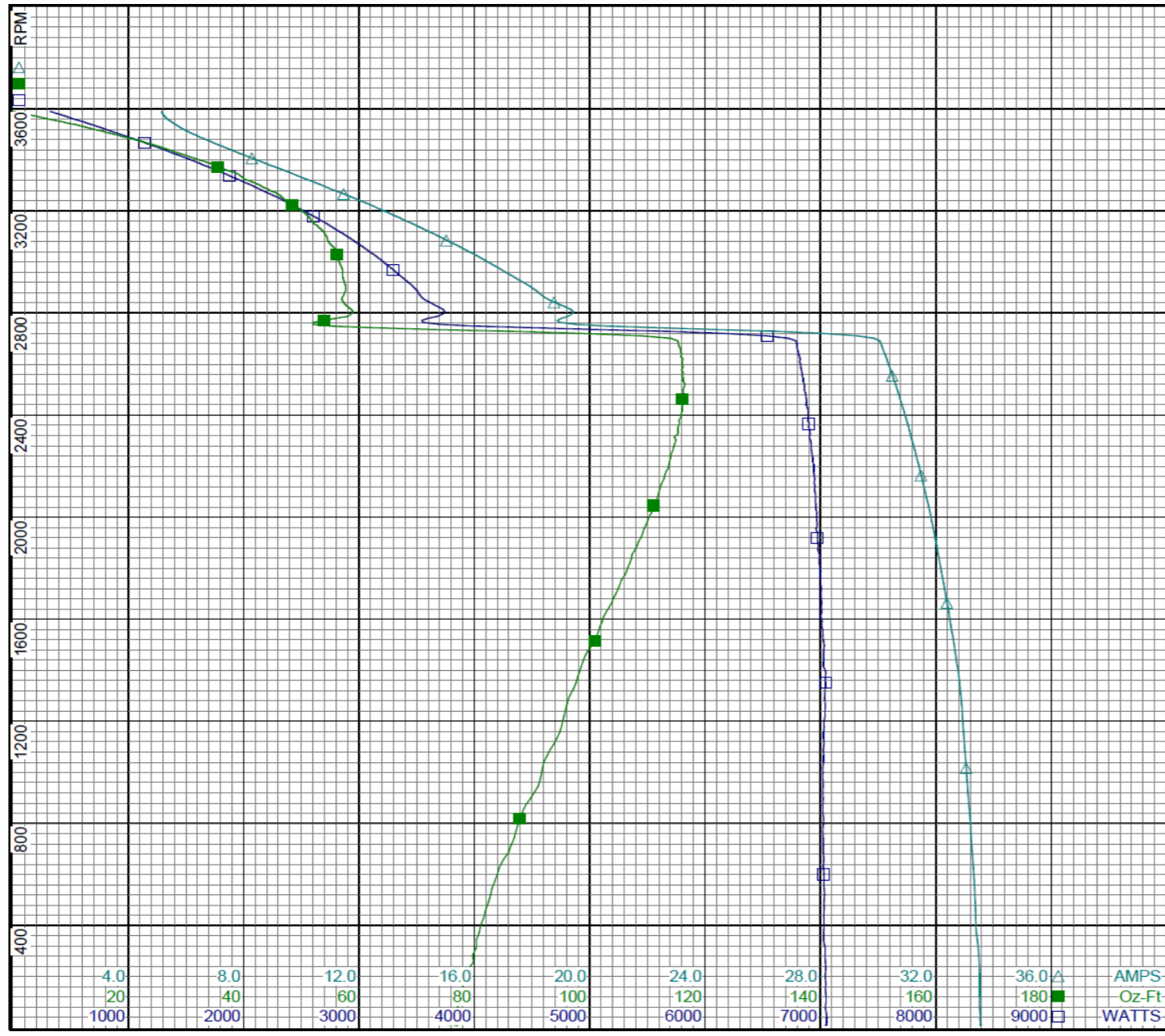
Special Points	Vline (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
PUT OZ-FT	230.0	33.57	7051	9	75.25	0.008	0.1	91.3
	230.0	33.57	7051	9	75.25	0.008	0.1	91.3
	230.0	33.53	7051	55	76.96	0.050	0.5	91.4
	230.0	33.47	7038	313	80.29	0.299	3.2	91.4
	230.0	33.31	7031	601	83.95	0.601	6.4	91.8
	230.0	33.15	7019	869	88.81	0.919	9.8	92.1
	230.0	32.99	7028	1111	93.76	1.240	13.2	92.6
	230.0	32.84	7041	1331	97.23	1.541	16.3	93.2
	230.0	32.58	7019	1537	101.25	1.852	19.7	93.7
	230.0	32.30	7007	1718	104.88	2.145	22.8	94.3
	230.0	32.03	6981	1888	108.18	2.431	26.0	94.8
	230.0	31.74	6961	2046	111.13	2.707	29.0	95.4
	230.0	31.43	6940	2191	113.57	2.962	31.8	96.0
	230.0	31.11	6910	2327	115.27	3.193	34.5	96.6
	230.0	30.80	6879	2450	116.35	3.394	36.8	97.1
	230.0	30.46	6839	2565	116.16	3.547	38.7	97.6
	230.0	30.12	6795	2670	115.44	3.670	40.3	98.1
	230.0	19.48	3688	2755	51.95	1.704	34.5	82.3
	230.0	18.76	3610	2842	57.25	1.937	40.0	83.7
	230.0	17.55	3401	2928	57.29	1.997	43.8	84.2
	230.0	16.34	3188	3007	56.30	2.015	47.2	84.8
	230.0	15.14	2965	3078	54.68	2.004	50.4	85.1
	230.0	13.97	2741	3142	52.67	1.970	53.6	85.3
	230.0	12.82	2512	3201	49.95	1.903	56.5	85.2
	230.0	11.70	2281	3255	46.51	1.802	58.9	84.7
	230.0	10.61	2043	3304	42.34	1.666	60.8	83.7
	230.0	9.56	1808	3351	38.15	1.522	62.8	82.2
	230.0	8.56	1570	3394	32.99	1.333	63.3	79.8
	230.0	7.62	1330	3435	27.60	1.129	63.3	75.9
	230.0	6.78	1094	3474	21.89	0.905	61.7	70.2
	230.0	6.03	848	3512	15.59	0.652	57.3	61.1
	230.0	5.47	598	3550	8.16	0.345	43.0	47.6
	230.0	5.15	346	3586	0.55	0.023	5.0	29.2
	230.0	5.14	318	3589	0.00	0.000	0.0	26.9

DRAWING NO.	PAGE 5 of 8	REV.
	3K348BE	-

Performance Data



3K348BE REV. -



Curve Descriptions:
 Motor(1) Test 11 Start 230V 60 Hz 2P
 2 Line Attempt #1
 □ SPEED vs WATTS
 ■ SPEED vs TORQUE
 △ SPEED vs ILine

Motor Ratings:
 (1) C063CXJBV1198 ID: 1

DRAWING NO. PAGE 6 of 8 REV.
3K348BE -

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

©2020 W.W. Grainger, Inc. This design may not be reproduced, modified or redistributed without written permission from W.W. Grainger, Inc.

Performance Data



3K348BE

REV.

-

Dayton Manufacturing Company

Motor Description

Model: C063CXJBV1198
 Motor ID: 1
 Poles: 2
 Volts: 115/208-230
 Frequency: 60
 HP: 1
 Speed: 3450
 Phase: 1
 Protector: CEJ49CV

Test Conditions

Test Type: Run
 Test Number: 13
 Poles: 2
 Volts: 230
 Hz: 60
 Rotation:
 Special Cond: 2 Line
 Speed Conn:
 TestBoard: Amps Performance Fixture #3
 Run Cap: 0
 Start Cap: 0µfd
 Tested: 9/21/2012 8:47:07 AM
 Tested By: Sharp, Gerald
 Gear Ratio: 1:1
 Bearing Friction: -0.52 Oz-Ft
 Windage Torque: -3.46 Oz-Ft

Special Points	Vline (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
	230.0	5.05	295	3583	0.00	0.000	0.0	25.4
	230.0	5.43	615	3543	8.96	0.378	45.9	49.2
	230.0	6.16	913	3503	17.45	0.728	59.5	64.4
24 OZ-FT	230.0	6.99	1164	3467	24.00	0.990	63.5	72.4
1 HP	230.0	7.02	1173	3465	24.24	1.000	63.6	72.7
	230.0	7.10	1196	3462	24.82	1.023	63.8	73.2
3450 RPM	230.0	7.40	1278	3450	26.74	1.098	64.1	75.1
	230.0	8.15	1473	3420	31.36	1.277	64.6	78.6
	230.0	9.25	1741	3377	37.21	1.496	64.1	81.8
	230.0	10.41	2004	3331	42.62	1.690	62.9	83.7
	230.0	11.61	2263	3281	47.05	1.838	60.6	84.8
	230.0	12.84	2522	3229	51.26	1.971	58.3	85.4
	230.0	14.08	2767	3172	54.30	2.051	55.3	85.5
	230.0	15.32	2999	3111	56.46	2.091	52.0	85.1
	230.0	16.55	3226	3043	58.26	2.111	48.8	84.7
	230.0	17.77	3443	2970	59.32	2.097	45.4	84.2
BDT OZ-FT	230.0	18.25	3522	2939	59.74	2.090	44.3	83.9
	230.0	18.96	3641	2890	59.50	2.047	41.9	83.5
	230.0	20.11	3824	2803	59.09	1.972	38.5	82.7
	230.0	21.23	3993	2708	57.80	1.863	34.8	81.8
	230.0	22.29	4141	2605	55.88	1.733	31.2	80.8
	230.0	23.29	4273	2494	53.29	1.582	27.6	79.8
	230.0	24.28	4377	2367	50.00	1.409	24.0	78.4
	230.0	25.17	4485	2233	46.56	1.237	20.6	77.5
	230.0	25.94	4567	2096	42.90	1.070	17.5	76.5
	230.0	26.70	4643	1939	38.70	0.893	14.4	75.6
	230.0	27.34	4705	1779	34.58	0.732	11.6	74.8
	230.0	28.38	4862	1608	31.16	0.597	9.2	74.5
	230.0	32.93	7106	1451	100.56	1.737	18.2	93.8
	230.0	33.08	7070	1249	95.91	1.427	15.1	92.9
	230.0	33.14	7047	1024	92.50	1.127	11.9	92.5
	230.0	33.24	7035	788	87.77	0.823	8.7	92.0
	230.0	33.32	7040	537	83.10	0.532	5.6	91.9
	230.0	33.35	7033	276	79.42	0.260	2.8	91.7

DRAWING NO.	PAGE 7 of 8	REV.
3K348BE		-

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

Performance Data



3K348BE REV. -



Curve Descriptions:
 Motor(1) Test 13 Run 230V 60 Hz 2P
 2 Line Attempt #1

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

Motor Ratings:
 (1) C063CXJBV1198 ID: 1

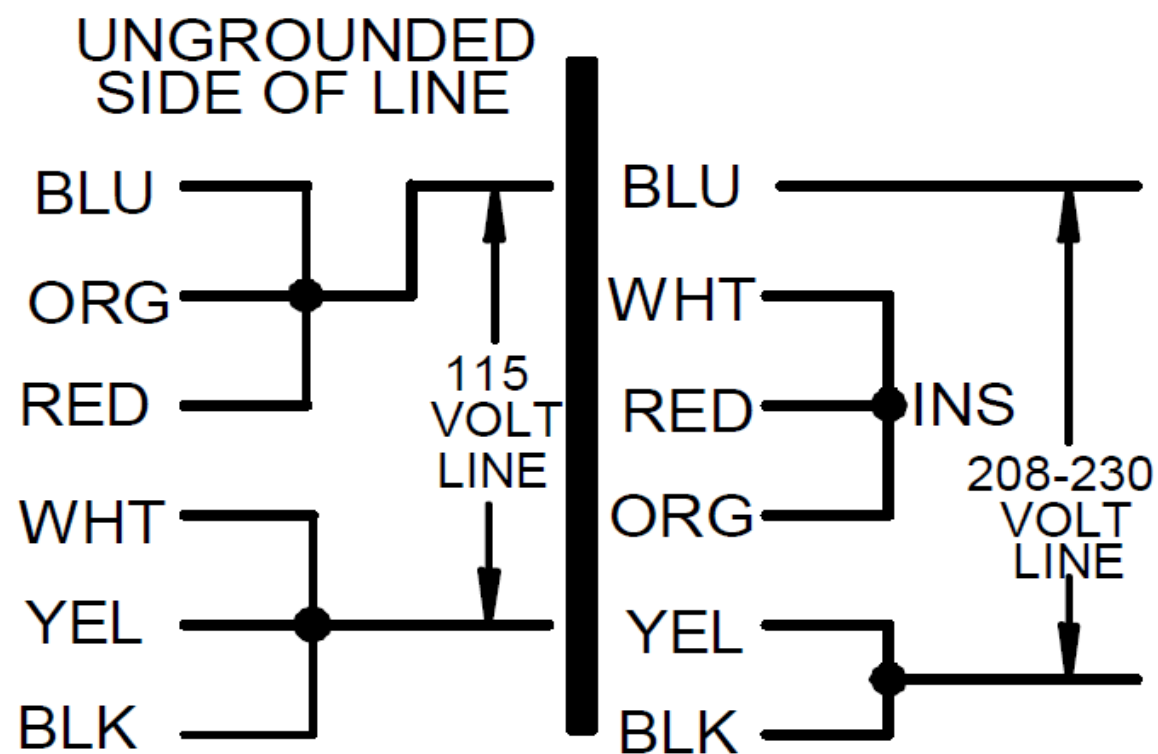
DRAWING NO.	PAGE 8 of 8	REV.
3K348BE		-

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

©2020 W.W. Grainger, Inc. This design may not be reproduced, modified or redistributed without written permission from W.W. Grainger, Inc.

3K348BE	REV. -
---------	-----------

CONNECTIONS



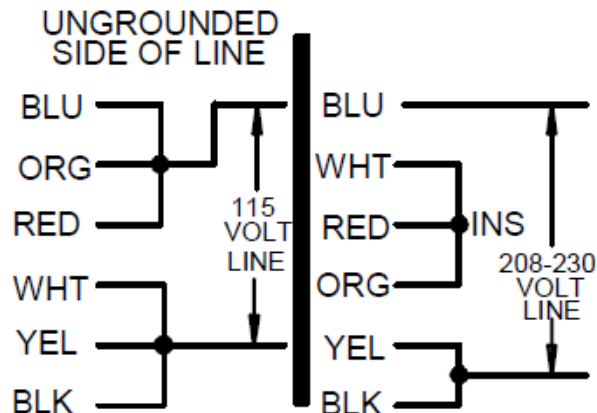
MOTOR IS CCW ROTATION LEAD END
TO REVERSE ROTATION INTERCHANGE
RED AND BLACK LEADS

DRAWING NO.	PAGE 1 of 1	REV.
3K348BE		-

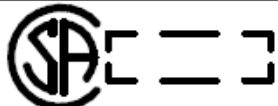
Dayton[®]Part No **3K348BE****INDUSTRIAL
MOTOR**

HP: 1.0 **PH:** 1
VOLTS: 115/208-230 **HZ:** 60
AMPS: 13.9/6.93/7.02 **FR:** 56 C
RPM: 3450 **INS CL:** F
DUTY: CONT **AMB:** 40 °C
SF: 1.0 **SFA:**
KVA CODE: J **ENCL:** TEFC
MTR REF: C63JCG-1210
THERMALLY PROTECTED: NONE
PROT. CODE: **MFG. NO.**
S.F. AT 208 VOLTS IS 1.0

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

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

Made in Mexico