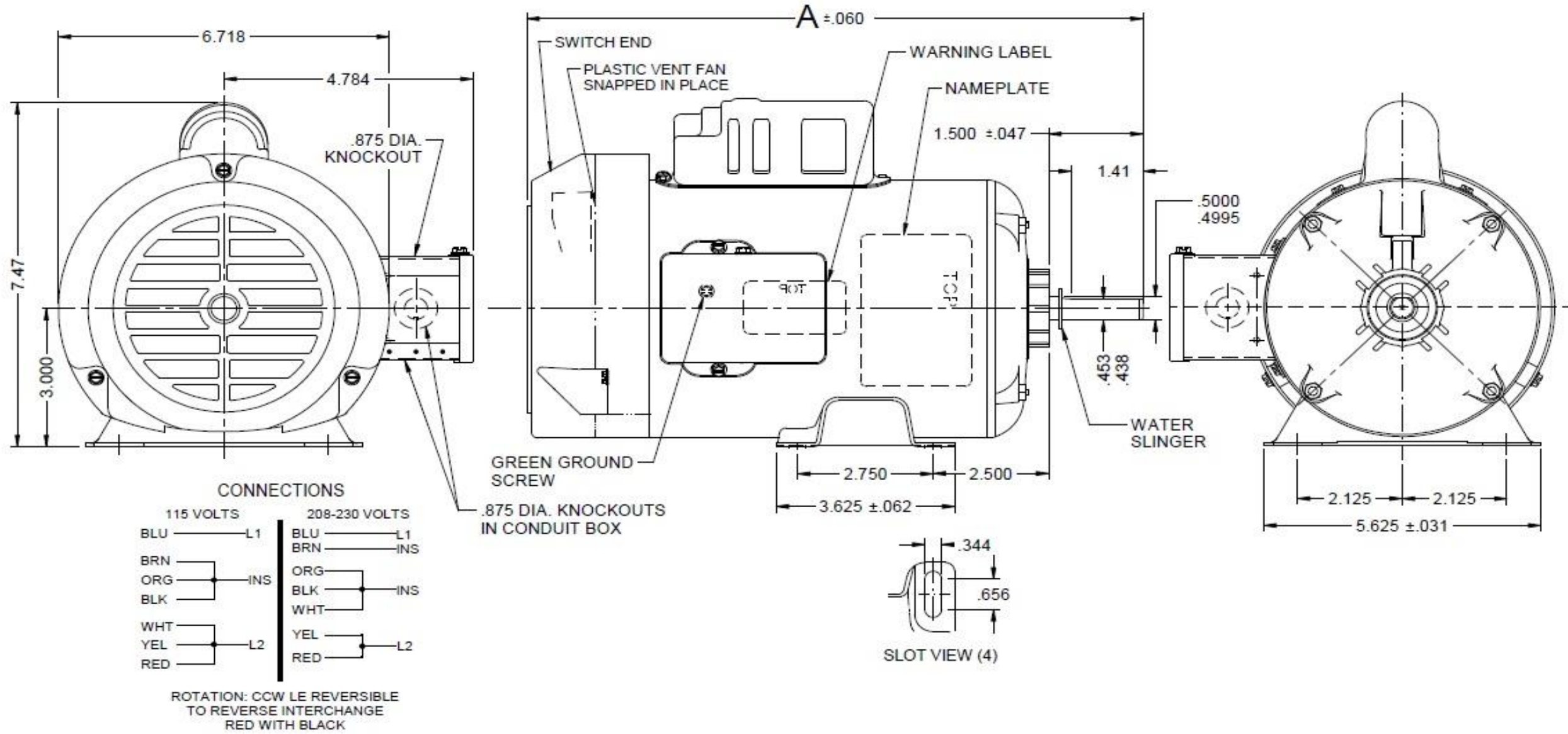


Dimensional Drawing

5K191BG

REV.
-

VAR	MODEL	CUST. PT. NO.	A	B	C	D	HP	VOLTS	SF	AMPS	HZ	RPM	CONN VOLTS	PROT.	DESCRIPTION / REMARKS
001	C55JXKRH-2150	5K191BG	10.471	-----	-----	-----	1/4	115/208-230	1.0	5.8/2.7-2.8	60	1725	---	AUTO	48, TEFC, BALL BEARING



DRAWING NO.	PAGE 1 of 1	REV.
	5K191BG	-

Performance Data



5K191BG

REV.
-

MOTOR PERFORMANCE

HP:	1/4						
Poles:	4						
No. of Speeds:	1						
Volts:	115/208-230	115	208	230			
HZ:	60	60	60	60			
Service Factor:	1						
Efficiency:	@ Rated Load	56.5	60.4	57.6			
Power Factor:	@ Rated Load	56.5	63.0	55.8			
Amps:	@ No Load						
	@ Rated Load	5.18	2.38	2.57			
	@ Service Factor	N/A	N/A	N/A			
	@ Locked Rotor	28.54	12.54	14.12			
RPM:	@ Rated Load	1755	1744	1755			
Ambient (°C):	40						
Altitude (FASL):							
Torques:	Breakdown	41.58	33.34	42.16			
	Locked Rotor	72.26	49.19	60.01			
	Pull-Up	71.76	48.4	59.86			
	Rated Load	12.2	12.2	12.2			
	Service Factor	N/A	N/A	N/A			
Watts:	Rated Load	336.5	312.7	330.3			
KVA Code:	P	P	M	P			
Temperature Rise:	@ Rated Load	61.3	47.3	60.9			
	@ Service Factor	N/A	N/A	N/A			
Thermal Protector:	Trip Temp (°C)	148	157.8	157.9			
Winding Material:	Start (Auxiliary)	Cu	Cu	Cu			
	Run (Main)	Cu	Cu	Cu			
Capacitor(s):	Start (MFD / Volts)	374/110V					
	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:	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.
5K191BG -

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

Performance Data



5K191BG REV.
-

Dayton Manufacturing Company

Motor Description

Model: C055KRH215001 5K191BG
 Motor ID: 1
 Poles: 4
 Volts: 115/208-230
 Frequency: 60
 HP: 1/4
 Speed: 1725
 Phase: 1
 Protector: MEJ39RX

Test Conditions

Test Type: Start Run Cap: 0
 Test Number: 10 Start Cap: 374µfd
 Poles: 4 Environment: 20.5 Deg C 52 % RH 997 hPa
 Volts: 115 Tested: 8/29/2012 9:02:29 AM
 Hz: 60 Tested By: Sharp, Gerald
 Rotation: Gear Ratio: 1:1
 Special Cond: 2 Line Test Bearing Friction: -0.63 Oz-Ft
 Speed Conn: Windage Torque: -2.08 Oz-Ft
 TestBoard: Amtps Performance Fixture #3

Special Points	Vline (V)	Iline (A)	Watts	RPM	Tq(Oz-ft)	HP	Eff (%)	PF (%)
	115.0	28.54	3169	9	72.26	0.008	0.2	96.6
PUT OZ-FT	115.0	28.59	3174	8	71.76	0.007	0.2	96.5
	115.0	28.55	3174	29	73.67	0.026	0.6	96.6
	115.0	28.42	3162	159	72.80	0.138	3.3	96.8
	115.0	28.43	3163	302	76.22	0.274	6.5	96.8
	115.0	28.39	3168	436	79.93	0.415	9.8	97.0
	115.0	28.33	3164	556	83.83	0.555	13.1	97.1
	115.0	28.24	3163	666	86.73	0.687	16.2	97.4
	115.0	28.18	3162	767	90.85	0.830	19.6	97.6
	115.0	28.14	3166	859	94.65	0.968	22.8	97.8
	115.0	28.12	3169	945	97.45	1.097	25.8	98.0
	115.0	28.10	3174	1024	100.32	1.222	28.7	98.2
	115.0	28.09	3178	1097	102.63	1.340	31.5	98.4
	115.0	28.10	3187	1165	104.37	1.447	33.9	98.6
	115.0	28.07	3192	1226	105.79	1.544	36.1	98.9
	115.0	28.09	3196	1283	106.24	1.623	37.9	98.9
	115.0	28.10	3207	1334	105.97	1.683	39.2	99.2
	115.0	28.13	3212	1383	105.09	1.730	40.2	99.3
	115.0	28.16	3220	1426	103.46	1.757	40.7	99.4
	115.0	28.19	3225	1468	100.97	1.764	40.8	99.5
	115.0	16.97	1699	1499	48.56	0.866	38.0	87.0
	115.0	13.02	1197	1526	41.55	0.755	47.1	79.9
	115.0	11.87	1089	1561	39.77	0.739	50.6	79.7
	115.0	10.86	994	1595	37.93	0.720	54.0	79.6
	115.0	9.94	906	1623	35.74	0.690	56.8	79.3
	115.0	9.06	818	1649	33.00	0.648	59.0	78.6
	115.0	8.19	725	1674	29.77	0.593	61.1	77.0
	115.0	7.41	635	1694	26.16	0.528	61.9	74.6
	115.0	6.76	551	1715	22.46	0.459	62.1	70.9
	115.0	5.95	452	1735	17.96	0.371	61.3	66.0
	115.0	5.43	355	1755	12.88	0.269	56.5	56.9
	115.0	4.89	253	1773	7.33	0.155	45.7	44.9
	115.0	4.58	157	1791	1.83	0.039	18.5	29.9
	115.0	4.54	119	1798	0.00	0.000	0.0	22.8

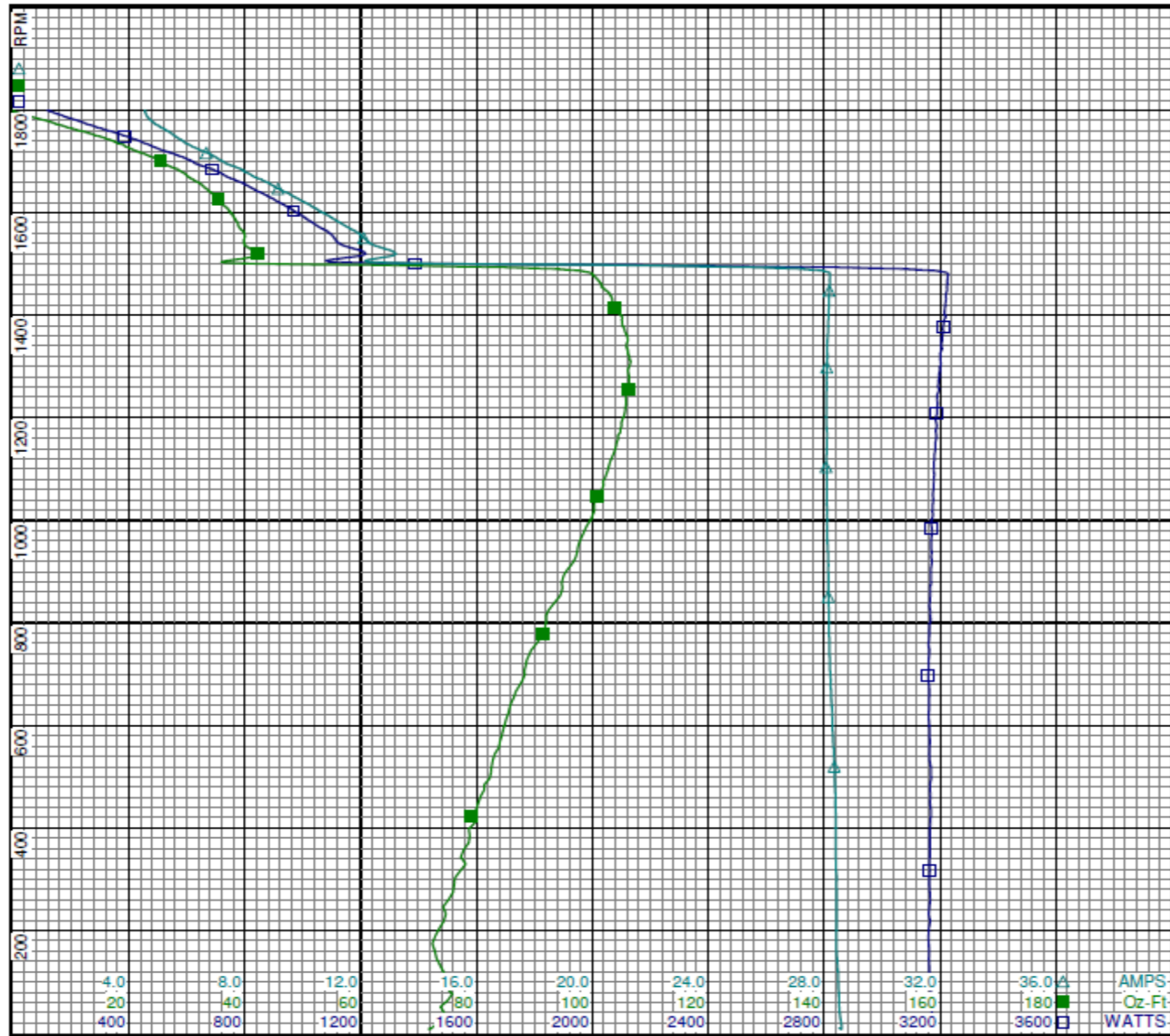
DRAWING NO. PAGE 1 of 8 REV.
5K191BG -

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

Performance Data



5K191BG REV. -



Dayton

Curve Descriptions:
 Motor(1) Test 10 Start 115V 60 Hz 4P
 2 Line Test

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

Motor Ratings:
 C055KRH215001 5K191BG

DRAWING NO.	PAGE 2 of 8	REV.
	5K191BG	-

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

Performance Data



5K191BG REV.
-

Dayton Manufacturing Company

Motor Description

Model: C055KRH215001 5K191BG
 Motor ID: 1
 Poles: 4
 Volts: 115/208-230
 Frequency: 60
 HP: 1/4
 Speed: 1725
 Phase: 1
 Protector: MEJ39RX

Test Conditions

Test Type: Run Run Cap: 0
 Test Number: 4 Start Cap: 374µfd
 Poles: 4 Environment: 20.5 Deg C 57 % RH 997 hPa
 Volts: 115 Tested: 8/29/2012 8:07:59 AM
 Hz: 60 Tested By: Sharp, Gerald
 Rotation: Gear Ratio: 1:1
 Special Cond: Bearing Friction: -0.75 Oz-Ft
 Speed Conn: Windage Torque: -2.26 Oz-Ft
 TestBoard: Amtps Performance Fixture #3

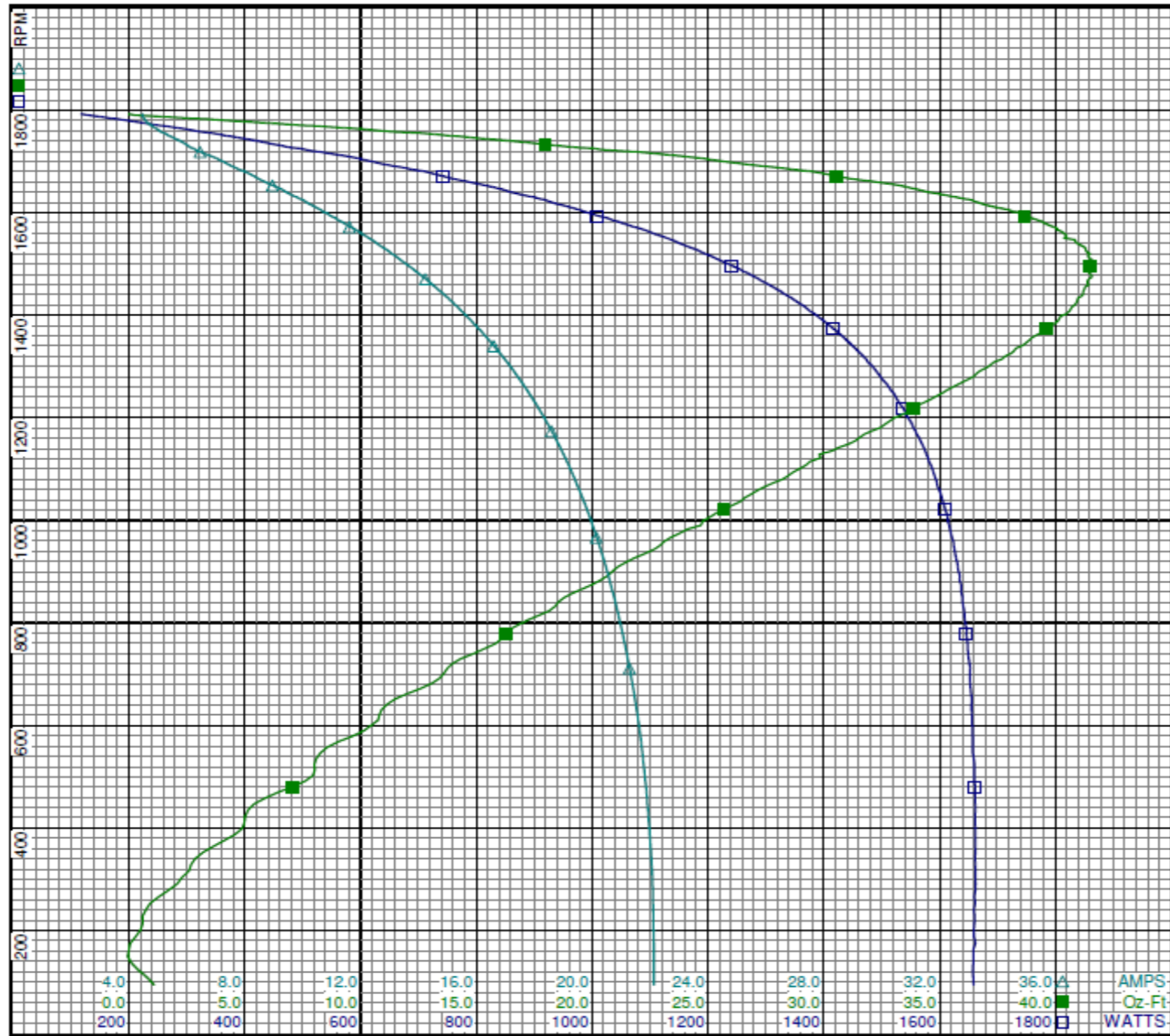
Special Points	Vline (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
	115.0	4.46	117.3	1792	0.00	0.000	0.0	22.9
	115.0	4.70	238.4	1772	6.75	0.142	44.6	44.1
0.25 HP	115.0	5.15	332.4	1756	11.96	0.250	56.1	56.1
12.2 OZ-FT	115.0	5.18	336.5	1755	12.20	0.255	56.5	56.5
	115.0	5.29	355.9	1752	13.21	0.276	57.8	58.5
0.29 HP	115.0	5.38	368.8	1749	13.92	0.290	58.7	59.6
14 OZ-FT	115.0	5.39	370.4	1749	14.00	0.292	58.7	59.8
15.25 OZ-FT	115.0	5.59	398.3	1744	15.25	0.317	59.3	62.0
16.47 OZ-FT	115.0	5.76	421.0	1740	16.47	0.341	60.4	63.5
	115.0	6.02	460.4	1731	18.33	0.378	61.2	66.5
1725 RPM	115.0	6.21	493.3	1725	20.02	0.411	62.2	69.0
	115.0	6.83	574.6	1710	23.82	0.485	63.0	73.2
	115.0	7.63	668.9	1688	27.80	0.559	62.3	76.3
	115.0	8.46	758.8	1666	31.15	0.618	60.7	78.0
	115.0	9.42	859.3	1640	34.50	0.673	58.5	79.3
	115.0	10.32	949.7	1614	37.06	0.712	55.9	80.0
	115.0	11.24	1036.2	1585	39.28	0.741	53.3	80.2
	115.0	12.19	1121.0	1553	40.48	0.749	49.8	79.9
	115.0	13.09	1195.7	1519	41.49	0.750	46.8	79.4
BDT OZ-FT	115.0	13.45	1225.1	1504	41.58	0.745	45.3	79.2
	115.0	13.98	1267.9	1482	41.44	0.731	43.0	78.8
	115.0	14.84	1330.7	1442	41.20	0.707	39.6	78.0
	115.0	15.66	1388.8	1398	40.23	0.669	36.0	77.1
	115.0	16.45	1440.2	1350	38.84	0.624	32.3	76.1
	115.0	17.19	1485.3	1298	37.06	0.573	28.8	75.1
	115.0	17.89	1523.4	1241	34.84	0.515	25.2	74.1
	115.0	18.53	1554.6	1180	32.44	0.456	21.9	72.9
	115.0	19.12	1581.2	1114	29.40	0.390	18.4	71.9
	115.0	19.66	1604.0	1044	26.58	0.330	15.4	70.9
	115.0	20.15	1621.2	966	23.40	0.269	12.4	70.0
	115.0	20.59	1634.4	884	20.41	0.215	9.8	69.0
	115.0	20.98	1644.6	795	16.78	0.159	7.2	68.2
	115.0	21.32	1652.1	701	13.60	0.114	5.1	67.4
	115.0	21.62	1656.4	600	10.48	0.075	3.4	66.6
	115.0	21.83	1660.0	491	7.63	0.045	2.0	66.1
	115.0	22.00	1661.3	375	4.11	0.018	0.8	65.7
	115.0	22.10	1661.3	253	0.91	0.003	0.1	65.4
	115.0	22.13	1657.3	122	0.42	0.001	0.0	65.1

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 5K191BG -

Performance Data



5K191BG REV. -



Dayton

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

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

Motor Ratings:
C055KRH215001 5K191BG

DRAWING NO.	PAGE 4 of 8	REV.
	5K191BG	-

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

Performance Data



5K191BG REV.
-

Dayton Manufacturing Company

Motor Description

Model: C055KRH215001 5K191BG
 Motor ID: 1
 Poles: 4
 Volts: 115/208-230
 Frequency: 60
 HP: 1/4
 Speed: 1725
 Phase: 1
 Protector: MEJ39RX

Test Conditions

Test Type: Start Run Cap: 0
 Test Number: 15 Start Cap: 374µfd
 Poles: 4 Environment: 20.7 Deg C 54 % RH 996 hPa
 Volts: 230 Tested: 8/29/2012 12:23:58 PM
 Hz: 60 Tested By: Sharp, Gerald
 Rotation: Gear Ratio: 1:1
 Special Cond: 2 Line Test Bearing Friction: -0.62 Oz-Ft
 Speed Conn: Windage Torque: -2.08 Oz-Ft
 TestBoard: Amtps Performance Fixture #3

Special Points	Vline (V)	Iline (A)	Watts	RPM	Tq(Oz-ft)	HP	Eff (%)	PF (%)
	230.0	14.123	3001	7	60.01	0.005	0.1	92.4
	230.0	14.069	2988	29	61.18	0.021	0.5	92.3
	230.0	14.076	2989	159	60.11	0.114	2.8	92.3
PUT OZ-FT	230.0	14.070	2988	173	59.86	0.124	3.1	92.3
	230.0	14.048	2992	302	63.98	0.230	5.7	92.6
	230.0	14.020	2993	436	66.83	0.347	8.6	92.8
	230.0	13.969	2992	557	70.32	0.466	11.6	93.1
	230.0	13.897	2985	666	73.57	0.584	14.6	93.4
	230.0	13.838	2987	767	77.21	0.705	17.6	93.9
	230.0	13.785	2990	859	80.49	0.823	20.5	94.3
	230.0	13.718	2986	945	82.89	0.933	23.3	94.6
	230.0	13.655	2986	1024	85.83	1.046	26.1	95.1
	230.0	13.589	2983	1097	88.18	1.152	28.8	95.4
	230.0	13.518	2979	1164	90.21	1.250	31.3	95.8
	230.0	13.446	2975	1226	91.35	1.334	33.4	96.2
	230.0	13.377	2968	1283	91.91	1.404	35.3	96.5
	230.0	13.305	2963	1336	91.94	1.462	36.8	96.8
	230.0	13.231	2958	1384	91.35	1.505	38.0	97.2
	230.0	13.156	2951	1428	90.30	1.535	38.8	97.5
	230.0	13.080	2942	1468	88.27	1.543	39.1	97.8
	230.0	6.353	1101	1495	37.00	0.658	44.6	75.3
	230.0	6.388	1153	1529	40.47	0.737	47.6	78.5
	230.0	5.939	1082	1564	39.69	0.739	51.0	79.2
	230.0	5.478	996	1596	37.96	0.721	54.0	79.1
	230.0	5.007	908	1625	35.86	0.694	57.0	78.8
	230.0	4.583	824	1649	33.34	0.654	59.2	78.2
	230.0	4.136	731	1674	30.15	0.601	61.3	76.8
	230.0	3.731	636	1696	26.28	0.530	62.2	74.1
	230.0	3.401	554	1715	22.65	0.462	62.3	70.8
	230.0	3.019	462	1734	18.51	0.382	61.8	66.5
	230.0	2.742	363	1754	13.31	0.278	57.1	57.6
	230.0	2.449	251	1774	7.34	0.155	46.0	44.6
	230.0	2.288	154	1792	1.66	0.035	17.2	29.2
	230.0	2.268	123	1798	0.00	0.000	0.0	23.5

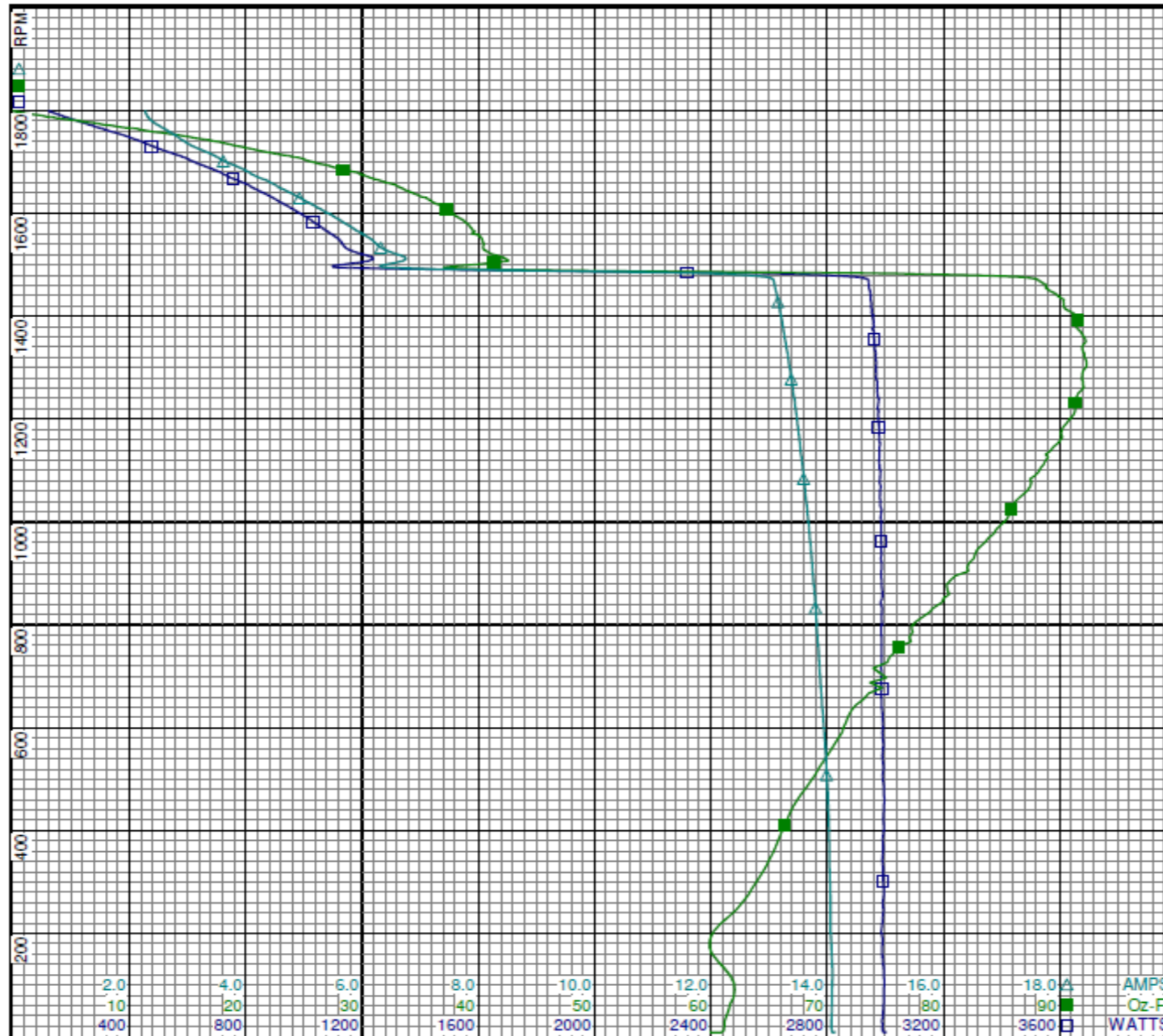
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5K191BG -

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

Performance Data



5K191BG REV. -



DRAWING NO. PAGE 6 of 8 REV.
5K191BG -

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

Performance Data



5K191BG REV.
-

Dayton Manufacturing Company

Motor Description

Model: C055KRH215001 5K191BG
 Motor ID: 1
 Poles: 4
 Volts: 115/208-230
 Frequency: 60
 HP: 1/4
 Speed: 1725
 Phase: 1
 Protector: MEJ39RX

Test Conditions

Test Type: Run Run Cap: 0
 Test Number: 12 Start Cap: 374µfd
 Poles: 4 Environment: 20.7 Deg C 53 % RH 994 hPa
 Volts: 230 Tested: 8/29/2012 2:55:53 PM
 Hz: 60 Tested By: Sharp, Gerald
 Rotation: Gear Ratio: 1:1
 Special Cond: Bearing Friction: -0.57 Oz-Ft
 Speed Conn: Windage Torque: -2.04 Oz-Ft
 TestBoard: Amtps Performance Fixture #3

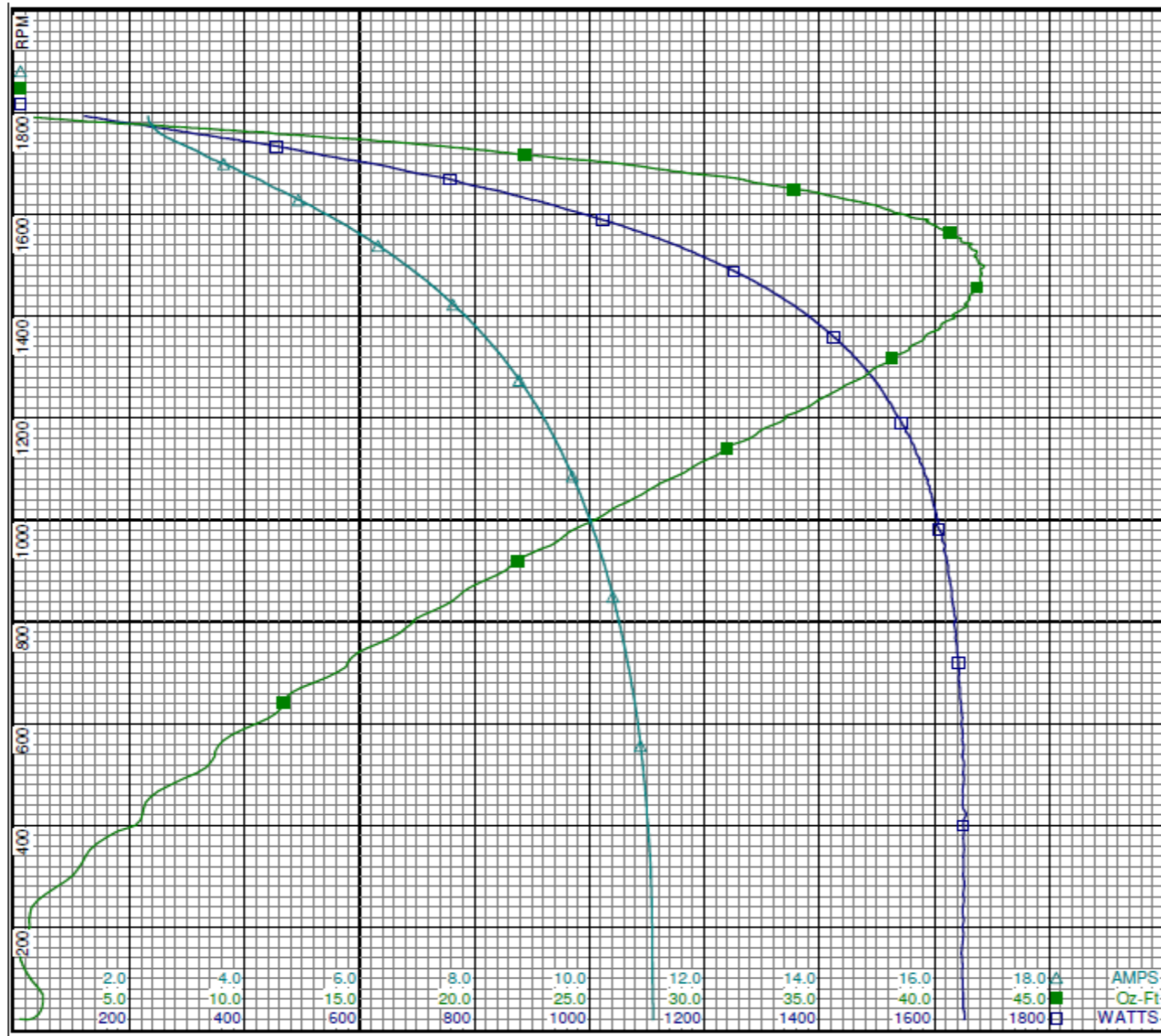
Special Points	Vline (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
	230.0	2.313	121.0	1793	0.00	0.000	0.0	22.8
	230.0	2.392	231.2	1773	6.50	0.137	44.2	42.0
0.25 HP	230.0	2.561	326.0	1756	11.96	0.250	57.2	55.4
12.2 OZ-FT	230.0	2.573	330.3	1755	12.20	0.255	57.6	55.8
	230.0	2.593	337.3	1754	12.59	0.263	58.2	56.6
0.29 HP	230.0	2.662	362.4	1750	13.92	0.290	59.7	59.2
14 OZ-FT	230.0	2.666	363.7	1749	14.00	0.292	59.8	59.3
15.25 OZ-FT	230.0	2.735	386.0	1746	15.25	0.317	61.3	61.4
16.47 OZ-FT	230.0	2.815	410.2	1742	16.47	0.342	62.1	63.3
	230.0	2.982	454.8	1734	18.54	0.383	62.8	66.3
1725 RPM	230.0	3.155	496.4	1725	20.59	0.423	63.5	68.4
	230.0	3.357	554.0	1712	23.24	0.474	63.8	71.8
	230.0	3.832	663.8	1689	27.86	0.560	63.0	75.3
	230.0	4.244	757.5	1669	31.63	0.628	61.9	77.6
	230.0	4.662	845.6	1645	34.60	0.677	59.8	78.9
	230.0	5.141	938.7	1617	37.45	0.721	57.3	79.4
	230.0	5.588	1022.5	1589	39.75	0.752	54.9	79.6
	230.0	6.044	1104.2	1558	40.90	0.759	51.3	79.4
	230.0	6.503	1182.7	1524	41.85	0.759	47.9	79.1
BDT OZ-FT	230.0	6.854	1238.0	1496	42.16	0.751	45.2	78.5
	230.0	6.943	1251.8	1488	42.01	0.744	44.4	78.4
	230.0	7.376	1316.4	1448	41.81	0.721	40.9	77.6
	230.0	7.795	1375.3	1405	40.89	0.684	37.1	76.7
	230.0	8.186	1424.6	1359	39.57	0.640	33.5	75.7
	230.0	8.563	1471.0	1307	37.89	0.590	29.9	74.7
	230.0	8.915	1509.9	1252	35.68	0.532	26.3	73.6
	230.0	9.243	1542.1	1192	33.30	0.472	22.8	72.5
	230.0	9.534	1569.6	1127	30.56	0.410	19.5	71.6
	230.0	9.810	1591.5	1058	27.55	0.347	16.3	70.5
	230.0	10.058	1608.1	981	24.33	0.284	13.2	69.5
	230.0	10.285	1623.5	901	21.36	0.229	10.5	68.6
	230.0	10.486	1634.9	813	17.75	0.172	7.8	67.8
	230.0	10.661	1641.9	720	14.49	0.124	5.6	67.0
	230.0	10.814	1647.5	621	11.40	0.084	3.8	66.2
	230.0	10.929	1650.8	513	8.31	0.051	2.3	65.7
	230.0	11.016	1650.1	399	5.24	0.025	1.1	65.1
	230.0	11.072	1651.5	278	1.77	0.006	0.3	64.9
	230.0	11.093	1647.3	149	0.25	0.000	0.0	64.6
	230.0	11.105	1652.6	21	0.81	0.000	0.0	64.7

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 5K191BG -

Performance Data



5K191BG REV. -



Dayton

Curve Descriptions:
Motor(1) Test 12 Run 230V 60 Hz 4P

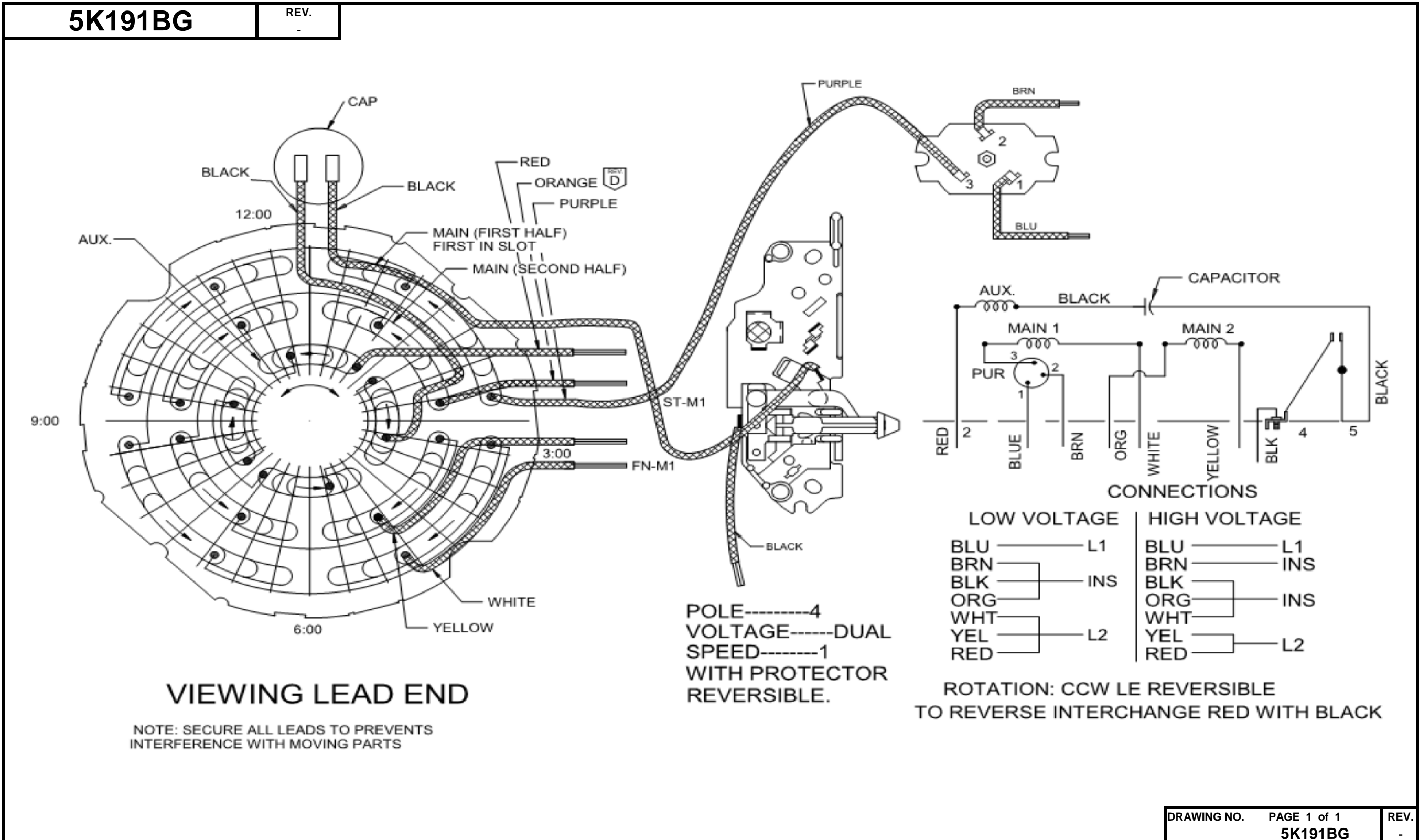
- SPEED vs WATTS
- SPEED vs TORQUE
- △ SPEED vs ILine

Motor Ratings:
C055KRH215001 5K191BG

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5K191BG -

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

Wiring Diagram



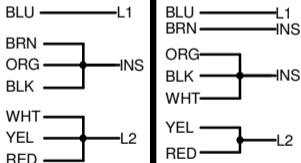
DRAWING NO.	PAGE 1 of 1	REV.
	5K191BG	-

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

Dayton[®]**INDUSTRIAL MOTOR****HP:** 1/4**VOLTS:** 115/208-230**AMPS:** 5.6/2.7-2.8**RPM:** 1725**DUTY:** CONT**SF:** 1.0**KVA CODE:** L**ENCL:** TEFC**THERMALLY PROTECTED:** AUTOMFG. NO. PROT. CODE: 04830**MTR REF:** C55JXKRH-2150**PH:** 1**HZ:** 60**FR:** 48**INS CL:** B**AMB:** 40 °C**SFA:** 5.6/2.7-2.8AVG. F.L.
EFF.Part
No **5K191BG****Disconnect Power Before Making Any
Electrical Connections or Changes****CONNECTIONS**

115 VOLTS

208-230 VOLTS

ROTATION: CCW LE REVERSIBLE
TO REVERSE INTERCHANGE
RED WITH BLACK

E37403



258501

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

Made in Mexico