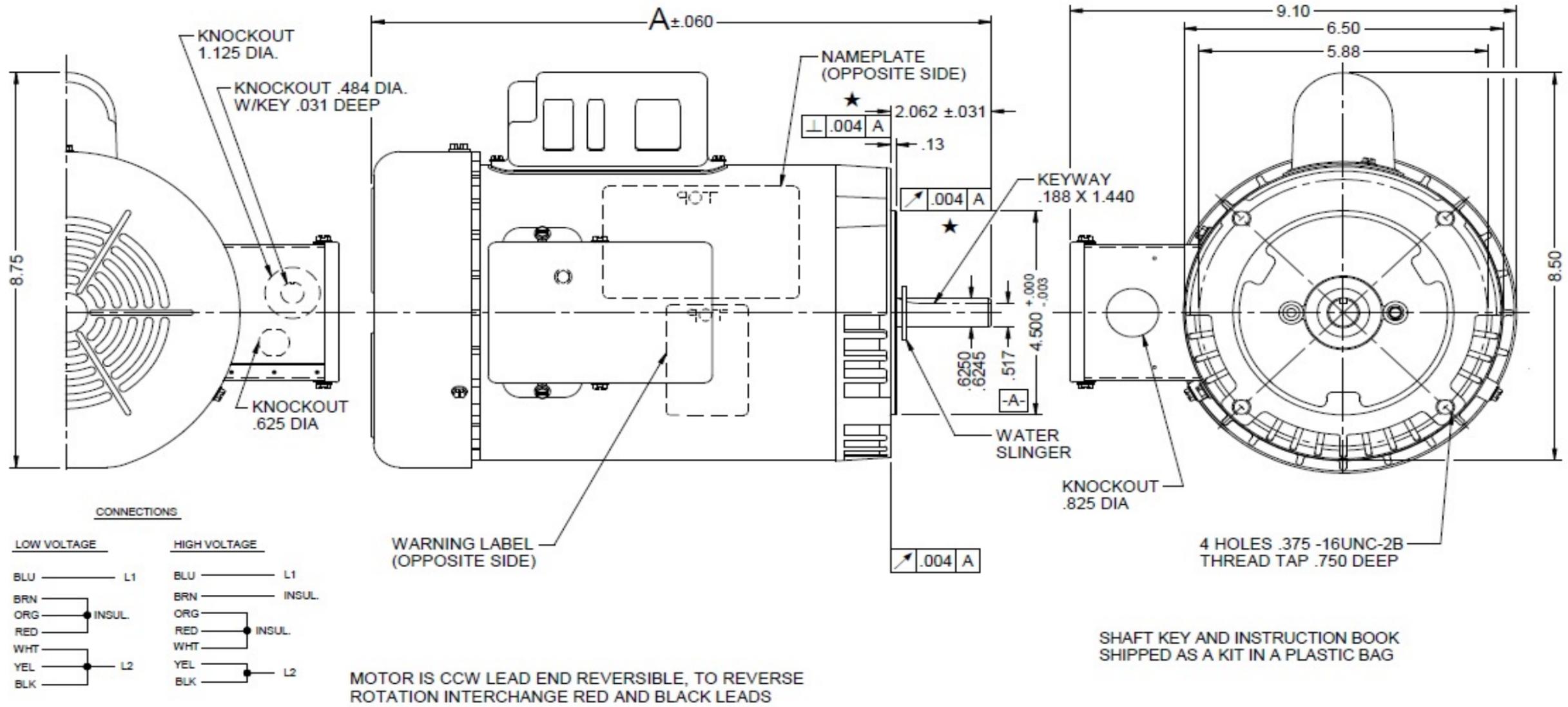


Dimensional Drawing

5GD60BG

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	C83CXJDB-1342	5GD60BG	11.89	---	---	---	3/4	115/208-230	1.15	11.4/5.7-5.7	60	1725	---	AUTO	56C, TEFC, BALL BEARING



DRAWING NO.	PAGE 1 of 1	REV.
5GD60BG		-

Performance Data



5GD60BG		REV.					
		-					
MOTOR PERFORMANCE							
HP:	3/4						
Poles:	4						
No. of Speeds:	1						
Volts:	115/208-230	115	208	230			
HZ:	60	60	60	60			
Service Factor:	1.15						
Efficiency:	@ Rated Load	68.3	67.9	68.0			
Power Factor:	@ Rated Load	66.0	72.9	66.3			
Amps:	@ No Load						
	@ Rated Load	10.9	5.41	5.43			
	@ Service Factor	11.7	5.41	5.81			
	@ Locked Rotor	59.4	26.62	29.81			
RPM:	@ Rated Load	1737	1719	1736			
Ambient (°C):	40						
Altitude (FASL):							
Torques:	Breakdown	92.9	75.17	93.58			
	Locked Rotor	147.1	103.39	127.7			
	Pull-Up	144.8	103.39	126.36			
	Rated Load	36.52	36.52	36.52			
	Service Factor	41.96	36.52	41.98			
Watts:	Rated Load	824	821	828			
KVA Code:	L	L	J	L			
Temperature Rise:	@ Rated Load	76.2	78.6	76.2			
	@ Service Factor	88.5	-	89.2			
Thermal Protector:	Trip Temp (°C)	148.8	NP	148.8			
Winding Material:	Start (Auxiliary)	Cu	Cu	Cu			
	Run (Main)	Cu	Cu	Cu			
Capacitor(s):	Start (MFD / Volts)	509 mFD, 110v					
	No. of Start Capacitors						
	Run (MFD / Volts)	NA					
	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.	
		5GD60BG				-	

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

Performance Data



5GD60BG

REV.

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Dayton Manufacturing Company

Motor Description

Model: C063JDB1342 5GD60BG
 Motor ID: 1 of 3
 Poles: 4
 Volts: 115/208-230
 Frequency: 60
 HP: 3/4
 Speed: 1725
 Phase: 1
 Protector: CEJ63CB

Test Conditions

Test Type: Start
 Test Number: 4
 Poles: 4
 Volts: 115
 Hz: 60
 Rotation:
 Special Cond: 2-LINE
 Speed Conn:
 TestBoard: Amps Performance Fixture #3
 Run Cap: 0
 Start Cap: 509 µF
 Environment:
 Tested: 10/31/2005 9:22:24 AM
 Tested By: Sharp, Gerald
 Gear Ratio: 1:1
 Bearing Friction: -0.24 Oz-Ft
 Windage Torque: -1.91 Oz-Ft

Special Points	Vline (V)	Iline (A)	Imain (A)	Iaux (A)	Watts	RPM	Tq(Oz-ft)	HP	Eff (%)	PF (%)
PUT OZ-FT	115.0	59.49	59.38	0.104	6290	13	147.09	0.022	0.3	91.9
	115.0	59.43	59.33	0.104	6275	11	144.77	0.018	0.2	91.8
	115.0	59.43	59.33	0.101	6280	40	148.52	0.070	0.8	91.9
	115.0	59.26	59.16	0.103	6264	189	150.09	0.339	4.0	91.9
	115.0	59.05	58.95	0.109	6256	343	156.73	0.640	7.6	92.1
	115.0	58.67	58.56	0.108	6230	486	162.64	0.940	11.3	92.3
	115.0	58.53	58.43	0.103	6218	612	168.29	1.227	14.7	92.4
	115.0	58.84	58.73	0.108	6273	727	172.94	1.496	17.8	92.7
	115.0	58.87	58.76	0.103	6315	830	178.65	1.765	20.8	93.3
	115.0	58.67	58.56	0.099	6334	927	182.73	2.017	23.7	93.9
	115.0	58.37	58.26	0.099	6330	1016	185.59	2.244	26.4	94.3
	115.0	58.09	57.97	0.104	6324	1095	186.74	2.435	28.7	94.7
	115.0	57.76	57.64	0.101	6315	1169	185.92	2.587	30.6	95.1
	115.0	57.40	57.29	0.099	6311	1236	183.65	2.701	31.9	95.6
	115.0	57.01	56.90	0.096	6294	1296	179.60	2.772	32.8	96.0
	115.0	56.65	56.53	0.096	6274	1351	173.75	2.795	33.2	96.3
	115.0	56.25	56.15	0.102	6255	1402	166.85	2.785	33.2	96.7
	115.0	55.83	55.72	0.105	6227	1447	157.89	2.721	32.6	97.0
	115.0	54.92	54.79	0.124	6120	1489	145.46	2.578	31.4	96.9
	115.0	25.80	25.80	-0.188	2420	1513	88.77	1.599	49.3	81.6
	115.0	23.97	23.90	0.052	2268	1554	87.04	1.611	53.0	82.3
	115.0	21.78	21.76	0.075	2061	1591	81.96	1.552	56.2	82.3
	115.0	19.67	19.65	0.080	1849	1622	76.18	1.471	59.4	81.7
	115.0	17.62	17.61	0.083	1633	1651	69.56	1.367	62.5	80.6
	115.0	15.72	15.71	0.080	1426	1677	62.36	1.245	65.1	78.9
	115.0	13.93	13.92	0.082	1216	1700	53.88	1.090	66.9	75.9
	115.0	12.24	12.24	0.072	1007	1722	44.51	0.913	67.6	71.5
	115.0	10.74	10.74	0.073	792	1743	34.17	0.709	66.8	64.1
	115.0	9.52	9.53	0.076	580	1764	22.78	0.478	61.5	53.0
	115.0	8.65	8.66	0.068	352	1784	10.03	0.213	45.1	35.4
	115.0	8.36	8.37	0.074	188	1798	0.00	0.000	0.0	19.5

DRAWING NO.	PAGE 1 of 8	REV.
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Dayton Electric Mfg. Co. Lake Forest, IL 60045 USA

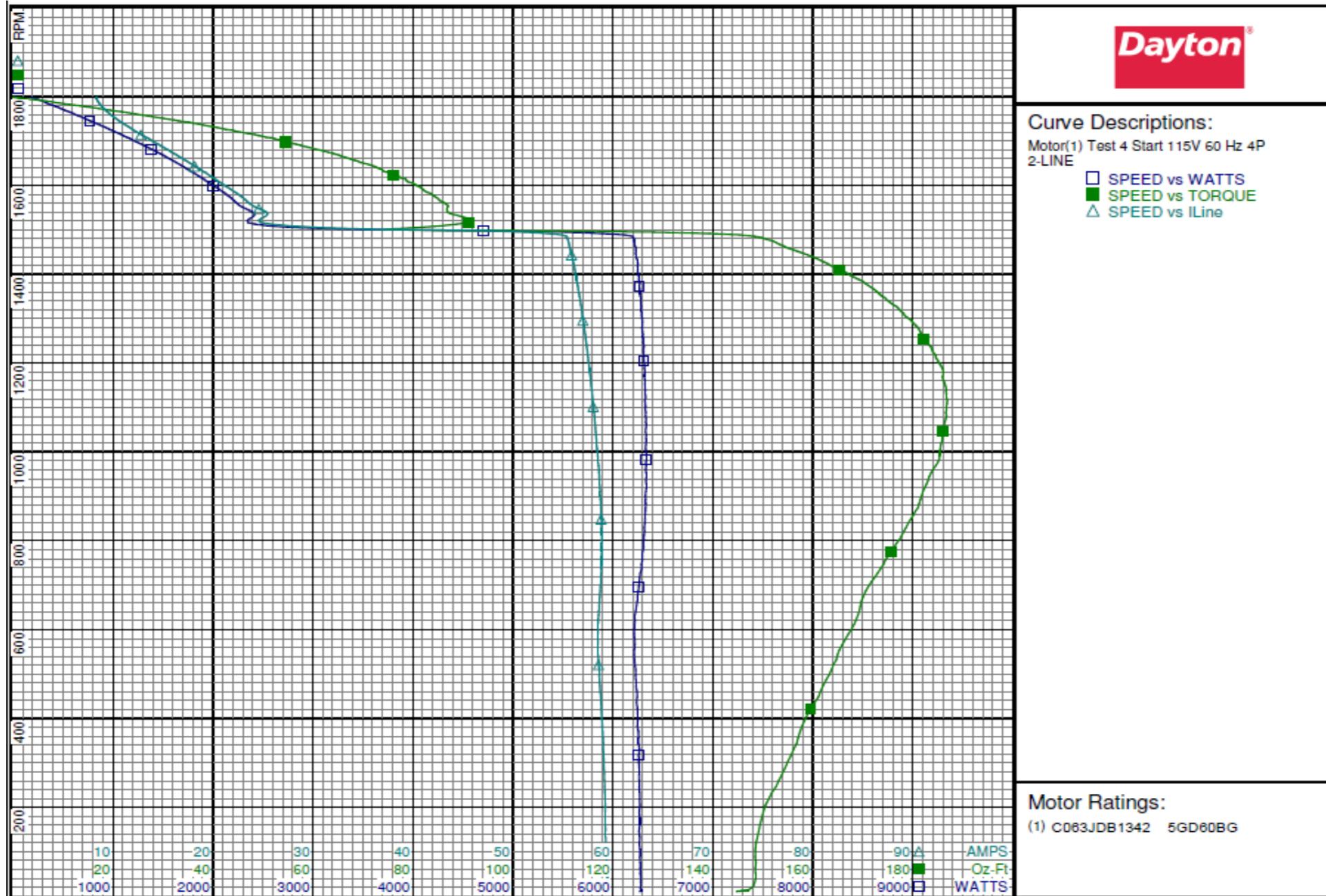
Performance Data



5GD60BG

REV.

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5GD60BG		-

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

Performance Data



5GD60BG

REV.

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Dayton Manufacturing Company

Motor Description

Model: C063JDB1342 5GD60BG
 Motor ID: 1 of 3
 Poles: 4
 Volts: 115/208-230
 Frequency: 60
 HP: 3/4
 Speed: 1725
 Phase: 1
 Protector: CEJ63CB

Test Conditions

Test Type: Run
 Test Number: 10
 Poles: 4
 Volts: 115
 Hz: 60
 Rotation:
 Special Cond:
 Speed Conn:
 TestBoard: Amtps Performance Fixture #3
 Run Cap: 0
 Start Cap: 509 µFd
 Environment:
 Tested: 10/31/2005 9:01:18 AM
 Tested By: Sharp, Gerald
 Gear Ratio: 1:1
 Bearing Friction: -0.22 Oz-Ft
 Windage Torque: -1.70 Oz-Ft

Special Points	Vline (V)	Iline (A)	Watts	RPM	Tq(Oz-ft)	HP	Eff (%)	PF (%)
	115.0	8.19	179	1792	0.00	0.000	0.0	19.0
9.13 OZ-FT	115.0	8.40	331	1780	9.13	0.193	43.6	34.2
	115.0	8.65	415	1773	14.33	0.302	54.3	41.8
18.26 OZ-FT	115.0	8.92	483	1767	18.26	0.384	59.3	47.1
	115.0	9.73	643	1753	26.77	0.559	64.8	57.5
27.37 OZ-FT	115.0	9.79	654	1752	27.37	0.571	65.1	58.1
0.75 HP	115.0	10.83	820	1738	36.26	0.750	68.3	65.8
36.52 OZ-FT	115.0	10.87	824	1737	36.52	0.755	68.3	66.0
	115.0	11.13	862	1734	38.26	0.790	68.3	67.4
42 OZ-FT	115.0	11.67	939	1727	42.00	0.863	68.6	69.9
0.863 HP	115.0	11.66	938	1727	41.96	0.863	68.6	69.9
1725 RPM	115.0	11.79	956	1725	42.85	0.880	68.7	70.5
45.65 OZ-FT	115.0	12.26	1019	1719	45.65	0.934	68.4	72.3
	115.0	12.73	1081	1713	48.50	0.989	68.2	73.9
	115.0	14.34	1274	1690	56.88	1.144	67.0	77.3
	115.0	15.95	1470	1667	64.83	1.287	65.3	80.2
	115.0	18.01	1690	1642	72.75	1.422	62.8	81.6
	115.0	20.25	1922	1615	79.49	1.528	59.3	82.5
	115.0	22.37	2127	1586	84.52	1.596	56.0	82.7
	115.0	24.37	2323	1554	88.90	1.645	52.8	82.9
	115.0	26.48	2510	1519	91.14	1.648	49.0	82.4
	115.0	28.48	2685	1481	92.60	1.633	45.4	82.0
BDT OZ-FT	115.0	29.30	2753	1465	92.94	1.621	43.9	81.7
	115.0	30.49	2848	1440	92.52	1.586	41.5	81.2
	115.0	32.40	2996	1395	91.23	1.515	37.7	80.4
	115.0	34.24	3132	1348	88.65	1.422	33.9	79.5
	115.0	36.02	3254	1295	84.59	1.304	29.9	78.6
	115.0	37.69	3362	1237	79.86	1.176	26.1	77.6
	115.0	39.26	3454	1177	73.98	1.036	22.4	76.5
	115.0	40.74	3536	1109	67.41	0.890	18.8	75.5
	115.0	42.09	3604	1038	59.77	0.738	15.3	74.4
	115.0	43.34	3657	960	51.34	0.587	12.0	73.4
	115.0	44.47	3699	877	41.78	0.436	8.8	72.3
	115.0	45.47	3723	787	31.68	0.297	5.9	71.2
	115.0	46.23	3719	692	21.95	0.181	3.6	70.0
	115.0	46.50	3701	592	21.54	0.152	3.1	69.2
	115.0	46.58	3728	488	27.48	0.160	3.2	69.6
	115.0	47.07	3778	372	22.71	0.101	2.0	69.8
	115.0	47.50	3806	248	13.60	0.040	0.8	69.7
	115.0	47.68	3815	116	4.94	0.007	0.1	69.6
PUT OZ-FT	115.0	8.24	245	1786	4.07	0.087	26.3	25.9

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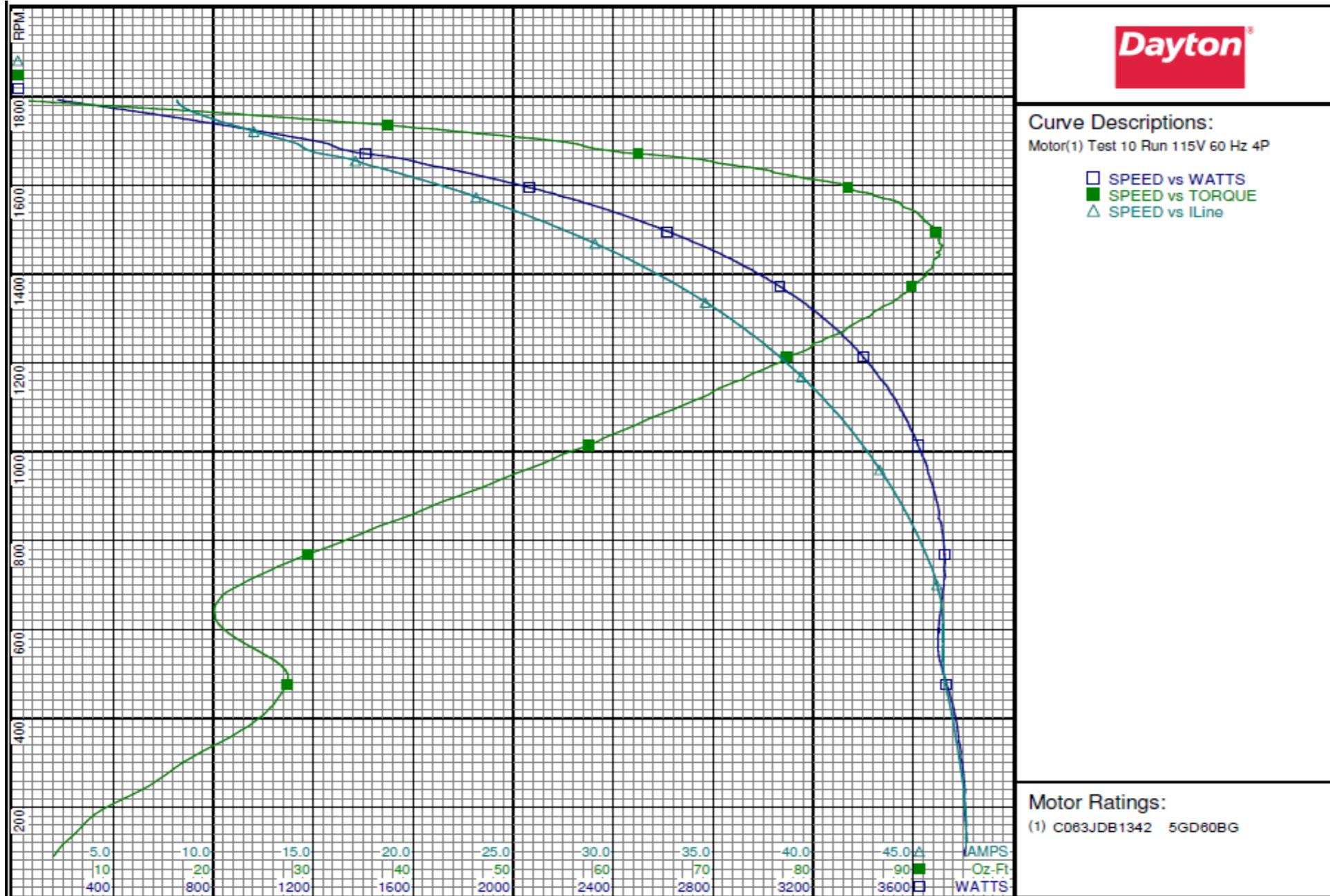
Performance Data



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

Performance Data



5GD60BG

REV.

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Dayton Manufacturing Company

Motor Description

Model: C063JDB1342 5GD60BG
 Motor ID: 1 of 3
 Poles: 4
 Volts: 115/208-230
 Frequency: 60
 HP: 3/4
 Speed: 1725
 Phase: 1
 Protector: CEJ63CB

Test Conditions

Test Type: Start
 Test Number: 6
 Poles: 4
 Volts: 230
 Hz: 60
 Rotation:
 Special Cond: 2-LINE
 Speed Conn:
 TestBoard: Amtps Performance Fixture #3
 Run Cap: 0
 Start Cap: 509 μ Fd
 Environment:
 Tested: 10/31/2005 10:15:59 AM
 Tested By: Sharp, Gerald
 Gear Ratio: 1:1
 Bearing Friction: -0.22 Oz-Ft
 Windage Torque: -1.84 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Imain (A)	Iaux (A)	Watts	RPM	Tq(Oz-ft)	HP	Eff(%)	PF(%)
	230.0	0.0	-0.5	29.81	29.78	0.09	6039	12	127.69	0.018	0.2	88.1
PUT OZ-FT	230.0	0.1	-0.5	29.82	29.79	0.09	6036	15	126.36	0.023	0.3	88.0
	230.0	0.1	-0.5	29.78	29.75	0.09	6040	37	128.90	0.058	0.7	88.2
	230.0	0.5	-0.9	29.65	29.62	0.12	6053	185	131.79	0.291	3.6	88.8
	230.0	0.2	-0.6	29.57	29.54	0.09	6016	343	138.71	0.566	7.0	88.5
	230.0	0.2	-0.7	29.31	29.27	0.08	5974	485	144.09	0.833	10.4	88.6
	230.0	0.1	-0.5	29.17	29.15	0.10	5948	612	148.06	1.078	13.5	88.6
	230.0	0.2	-0.6	29.31	29.28	0.08	6016	727	153.07	1.325	16.4	89.2
	230.0	0.0	-0.6	29.26	29.23	0.08	6049	831	158.50	1.568	19.3	89.9
	230.0	0.0	-0.6	29.08	29.06	0.07	6057	926	163.57	1.803	22.2	90.6
	230.0	0.2	-0.6	28.85	28.83	0.08	6059	1015	166.56	2.013	24.8	91.3
	230.0	0.2	-0.6	28.61	28.58	0.09	6049	1095	167.89	2.189	27.0	91.9
	230.0	0.0	-0.6	28.33	28.30	0.08	6020	1169	168.00	2.338	29.0	92.4
	230.0	0.2	-0.6	28.06	28.03	0.08	6010	1235	166.47	2.448	30.4	93.1
	230.0	0.2	-0.6	27.77	27.74	0.08	5980	1297	163.42	2.522	31.5	93.6
	230.0	0.1	-0.6	27.46	27.44	0.08	5944	1352	158.54	2.552	32.0	94.1
	230.0	0.1	-0.6	27.16	27.13	0.07	5905	1402	152.58	2.547	32.2	94.5
	230.0	0.2	-0.6	26.84	26.81	0.08	5873	1448	145.10	2.501	31.8	95.2
	230.0	2.7	2.2	36.16	32.22	22.89	5627	1495	121.77	2.167	28.7	67.7
	230.0	0.0	-0.4	12.76	12.80	0.50	2376	1519	89.82	1.624	51.0	80.9
	230.0	0.1	-0.6	12.00	11.97	0.10	2265	1556	87.22	1.616	53.2	82.0
	230.0	0.2	-0.5	10.87	10.86	0.06	2049	1592	82.72	1.568	57.1	81.9
	230.0	0.2	-0.5	9.79	9.78	0.06	1834	1623	76.78	1.483	60.3	81.5
	230.0	0.0	-0.5	8.80	8.79	0.07	1626	1652	70.43	1.385	63.5	80.3
	230.0	0.1	-0.6	7.86	7.85	0.06	1422	1676	62.56	1.248	65.5	78.6
	230.0	0.1	-0.5	6.96	6.94	0.07	1210	1700	54.02	1.093	67.4	75.6
	230.0	0.0	-0.6	6.12	6.11	0.06	1000	1722	44.75	0.917	68.4	71.0
	230.0	0.1	-0.5	5.36	5.34	0.07	781	1743	33.85	0.703	67.1	63.4
	230.0	0.2	-0.6	4.75	4.73	0.06	573	1763	22.74	0.477	62.2	52.5
	230.0	0.2	-0.6	4.31	4.30	0.06	352	1783	10.19	0.216	45.8	35.5
	230.0	0.2	-0.5	4.19	4.17	0.06	170	1800	0.00	0.000	0.0	17.6

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

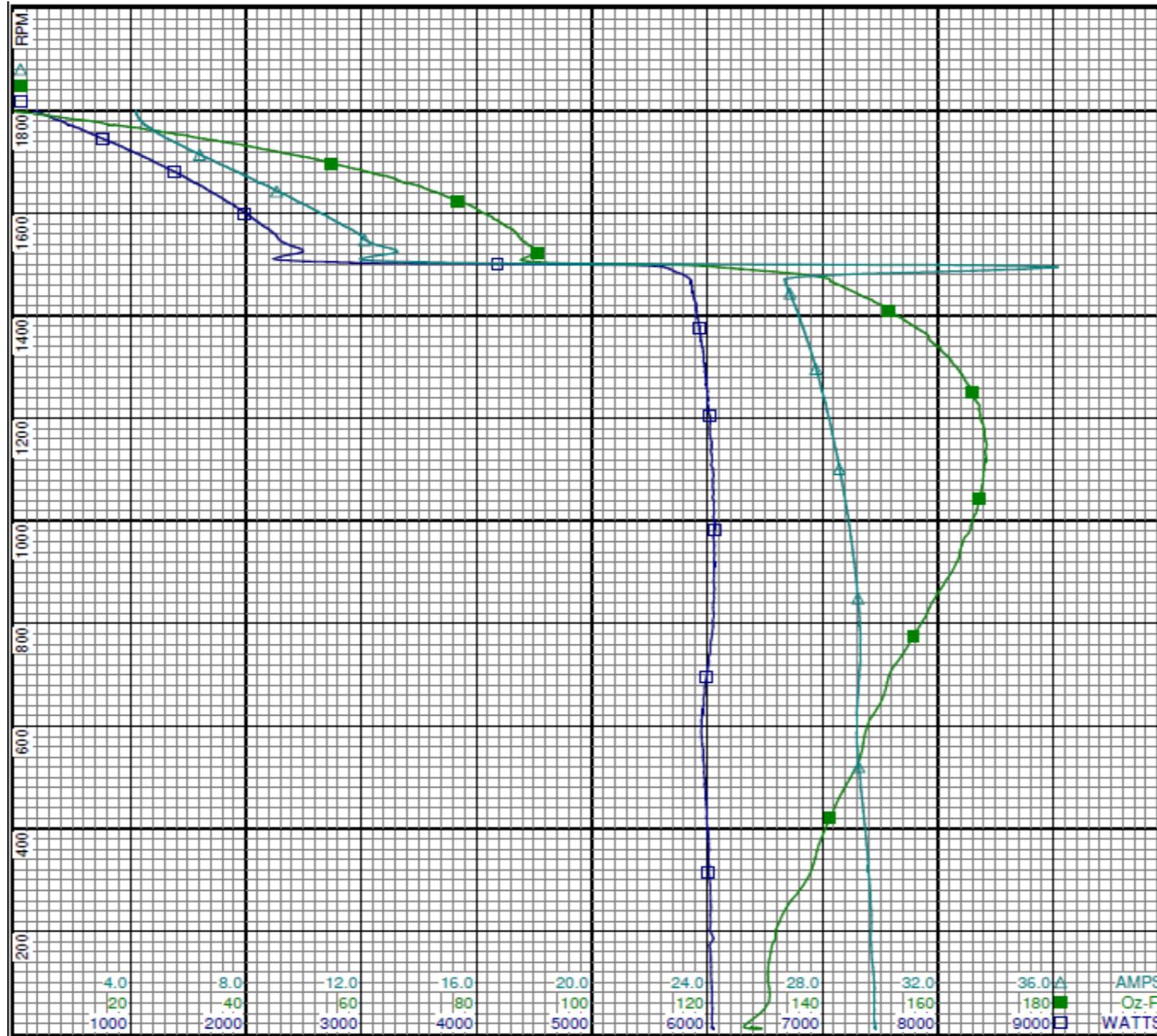
Performance Data



5GD60BG

REV.

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Curve Descriptions:

Motor(1) Test 6 Start 230V 60 Hz 4P
2-LINE

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

Motor Ratings:

(1) C063JDB1342 5GD60BG

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

Performance Data



5GD60BG

REV.

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Dayton Manufacturing Company

Motor Description

Model: C063JDB1342 5GD60BG
 Motor ID: 1 of 3
 Poles: 4
 Volts: 115/208-230
 Frequency: 60
 HP: 3/4
 Speed: 1725
 Phase: 1
 Protector: CEJ63CB

Test Conditions

Test Type: Run
 Test Number: 12
 Poles: 4
 Volts: 230
 Hz: 60
 Rotation:
 Special Cond:
 Speed Conn:
 TestBoard: Amtps Performance Fixture #3
 Run Cap: 0
 Start Cap: 509 μ Fd
 Environment:
 Tested: 10/31/2005 10:45:01 AM
 Tested By: Sharp, Gerald
 Gear Ratio: 1:1
 Bearing Friction: -0.15 Oz-Ft
 Windage Torque: -1.88 Oz-Ft

Special Points	Vline (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
	230.0	4.06	158	1796	0.00	0.000	0.0	16.9
9.13 OZ-FT	230.0	4.18	328	1782	9.13	0.194	44.1	34.1
	230.0	4.25	377	1776	11.96	0.253	50.0	38.6
18.26 OZ-FT	230.0	4.45	486	1768	18.26	0.384	58.9	47.5
	230.0	4.72	594	1758	24.40	0.511	64.1	54.8
27.37 OZ-FT	230.0	4.87	651	1753	27.37	0.571	65.5	58.0
	230.0	5.37	811	1738	35.64	0.737	67.8	65.6
36.52 OZ-FT	230.0	5.43	828	1736	36.52	0.755	68.0	66.3
0.75 HP	230.0	5.41	824	1737	36.28	0.750	67.9	66.1
42 OZ-FT	230.0	5.81	937	1726	42.00	0.863	68.7	70.1
1725 RPM	230.0	5.84	943	1725	42.31	0.869	68.7	70.3
0.863 HP	230.0	5.81	937	1726	41.98	0.863	68.7	70.1
45.65 OZ-FT	230.0	6.11	1016	1718	45.65	0.934	68.5	72.3
	230.0	6.14	1022	1718	45.95	0.940	68.6	72.4
	230.0	7.00	1236	1696	55.70	1.124	67.9	76.7
	230.0	7.90	1446	1673	64.34	1.281	66.1	79.6
	230.0	8.76	1629	1648	70.86	1.390	63.7	80.9
	230.0	9.52	1797	1622	76.64	1.480	61.4	82.1
	230.0	10.83	2053	1592	84.03	1.593	57.9	82.4
	230.0	11.82	2245	1562	88.18	1.639	54.5	82.6
	230.0	12.86	2436	1527	90.95	1.654	50.6	82.4
	230.0	13.86	2614	1490	92.84	1.647	47.0	82.0
BDT OZ-FT	230.0	14.77	2769	1453	93.58	1.619	43.6	81.5
	230.0	14.86	2781	1449	93.27	1.609	43.2	81.4
	230.0	15.84	2935	1406	92.29	1.544	39.3	80.6
	230.0	16.78	3076	1358	90.36	1.461	35.4	79.7
	230.0	17.68	3202	1306	86.92	1.351	31.5	78.7
	230.0	18.54	3317	1250	82.66	1.230	27.7	77.8
	230.0	19.36	3413	1189	77.05	1.091	23.8	76.7
	230.0	20.11	3500	1123	70.51	0.942	20.1	75.7
	230.0	20.81	3571	1052	63.29	0.793	16.6	74.6
	230.0	21.45	3629	977	54.84	0.638	13.1	73.5
	230.0	22.05	3675	894	45.69	0.486	9.9	72.5
	230.0	22.57	3709	806	35.17	0.337	6.8	71.4
	230.0	23.01	3711	712	25.23	0.214	4.3	70.1
	230.0	23.21	3692	612	22.12	0.161	3.3	69.1
	230.0	23.24	3703	509	27.65	0.168	3.4	69.3
	230.0	23.42	3736	397	24.93	0.118	2.4	69.4
	230.0	23.64	3765	273	15.11	0.049	1.0	69.2
	230.0	23.78	3774	142	4.71	0.008	0.2	69.0
PUT OZ-FT	230.0	4.09	234	1789	3.56	0.076	24.1	24.9

DRAWING NO.	PAGE 7 of 8	REV.
	5GD60BG	-

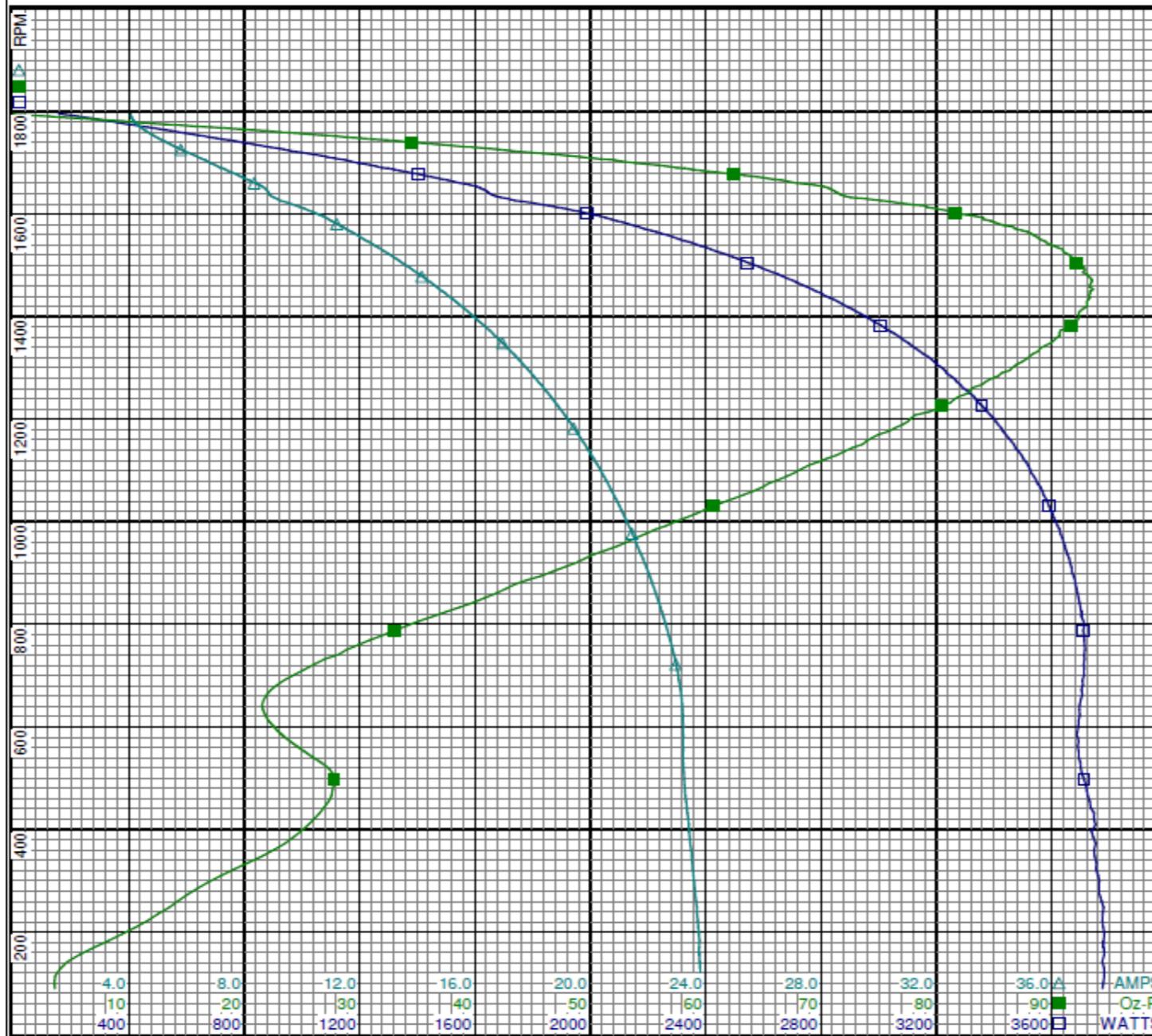
Dayton Electric Mfg. Co. Lake Forest, IL 60045 USA

Performance Data



5GD60BG

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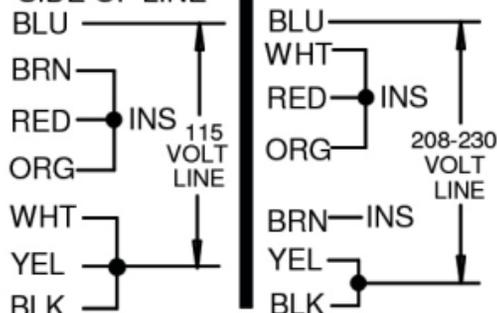
Curve Descriptions:
Motor(1) Test 12 Run 230V 60 Hz 4P

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

Motor Ratings:
(1) C063JDB1342 5GD60BG

DRAWING NO.	PAGE 8 of 8	REV.
5GD60BG		-

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Dayton[®]**INDUSTRIAL MOTOR****HP:** 3/4**VOLTS:** 115/208-230**AMPS:** 11.4/5.7-5.7**RPM:** 1725**DUTY:** CONT**SF:** 1.15**KVA CODE:** L**ENCL:** TEFC**THERMALLY PROTECTED:** AUTOMFG. NO. PROT. CODE: AVG. F.L.
EFF.**MTR REF:** C63CXJDB-1342**SF AT 208V IS 1.0**Part
No **5GD60BG****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**

E37403



258501

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

Made in Mexico