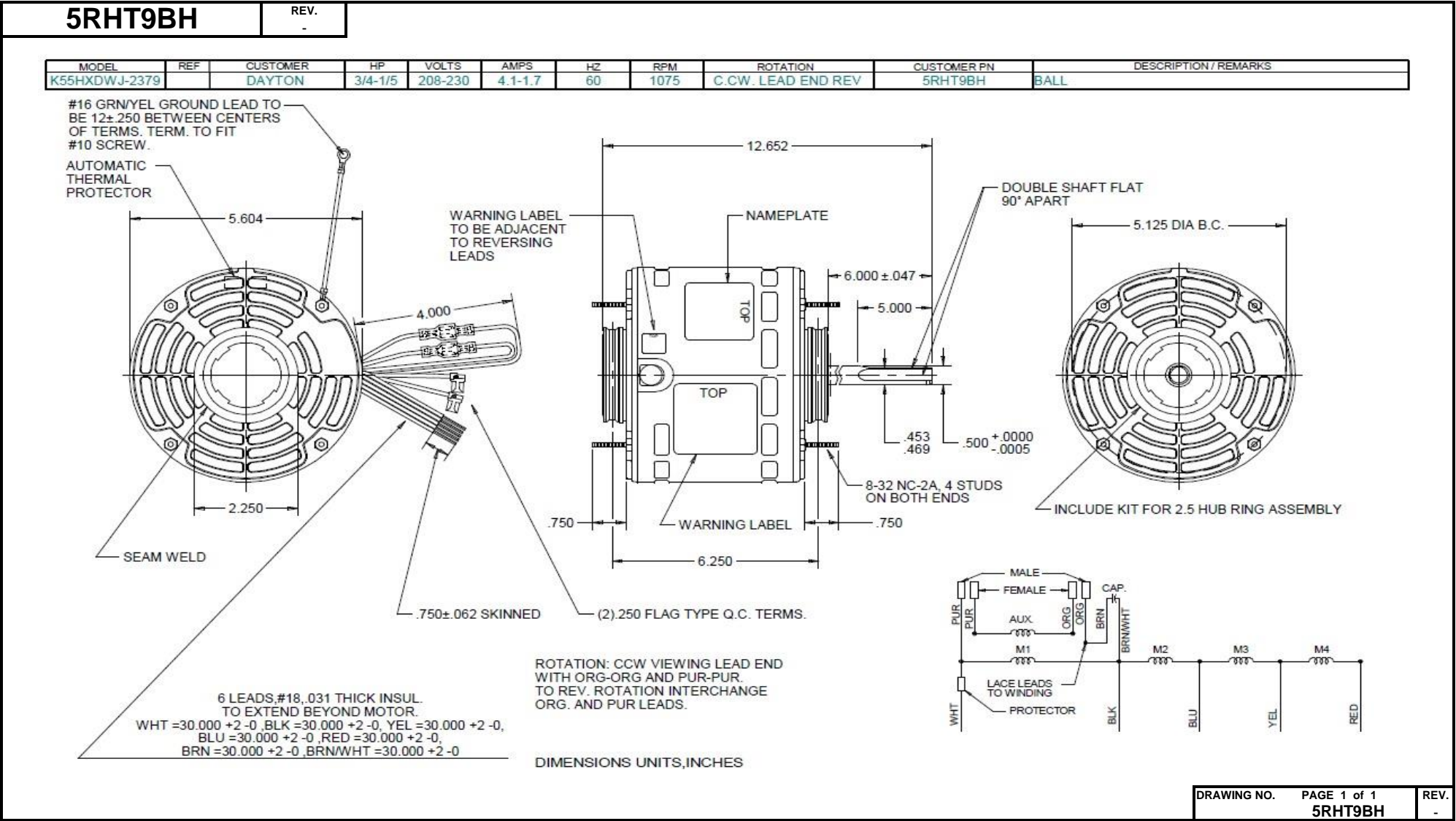


Dimensional Drawing



5RHT9BH

 REV.
-

SHADED-POLE & PSC MOTOR PERFORMANCE

HP:	3/4							
Poles:	6							
Ambient (°C):	40							
Altitude (FASL):	1000							
No. of Speeds:	4							
HIGH SPEED								
Volts:	208~230	115	208	230	277	460	100	200
HZ:	60	60	60	60	60	60	50	50
Service Factor:	1.0							
Efficiency:	@ Rated Load		69.3	68.8				
Power Factor:	@ Rated Load		98.8	100.1				
Amps:	@ No Load							
	@ Rated Load		3.3	3.6				
	@ Locked Rotor			7.3				
RPM:	@ Rated Load		1075	1075				
Torques: Oz.Ft.	Breakdown		62.4	77.4				
	Locked Rotor			26.6				
	Pull-Up							
	Rated Load		49.2	59.8				
	Service Factor		1.0	1.0				
Watts:	Rated Load		678	829				
Temperature Rise:	@ Rated Load							
Thermal Protector:	Trip Temp (°C)		140~150	140~150				
Winding Material:	Start (Auxiliary)		AL	AL				
	Run (Main)		Copper	Copper				
Capacitor:	Run (MFD / Volts)	20.0 MFD 370V (10.0 MFD 370V)						
	No. of Run Capacitors	1						
MEDIUM-HIGH SPEED								
HP:	3/4	10.0 MFD 370V						
Volts:	208~230	115	208	230	277	460	100	200
HZ:	60	60	60	60	60	60	50	50
Efficiency:	@ Rated Load							
Power Factor:	@ Rated Load							
Amps:	@ No Load							
	@ Rated Load							
	@ Locked Rotor							
Torques: Oz.Ft.	Breakdown		37.3	46.2				
	Locked Rotor							
	Pull-Up							
	Rated Load							
Watts:	Rated Load							
Temperature Rise:	@ Rated Load							

 DRAWING NO. PAGE 1 REV.
 5RHT9BH -

5RHT9BH

 REV.
-

SHADED-POLE & PSC MOTOR PERFORMANCE

MEDIUM-LOW SPEED

HP:	3/4	10.0 MFD 370V						
Volts:	208~230	115	208	230	277	460	100	200
HZ:	60	60	60	60	60	60	50	50
Efficiency:	@ Rated Load							
Power Factor:	@ Rated Load							
Amps:	@ No Load							
	@ Rated Load							
Torques: Oz.Ft.	Breakdown		30.3	37.7				
	Locked Rotor							
	Pull-Up							
	Rated Load							
Watts:	Rated Load							
Temperature Rise:	@ Rated Load							
Watts:	Rated Load							
Temperature Rise:	@ Rated Load							
Thermal Protector:	Trip Temp (°C)		140~150	140~150				
Winding Material:	Start (Auxiliary)	AL						
	Run (Main)	Copper						

LOW SPEED

HP:	3/4	10.0 MFD 370V						
Volts:	208~230	120	208	230	277	460	100	200
HZ:	60	60	60	60	60	60	50	50
Efficiency:	@ Rated Load							
Power Factor:	@ Rated Load							
Amps:	@ No Load							
	@ Rated Load							
Torques: Oz.Ft.	Breakdown		25.7	31.4				
	Locked Rotor							
	Pull-Up							
	Rated Load							
Watts:	Rated Load							
Temperature Rise:	@ Rated Load							

Notes:

 DRAWING NO. PAGE 1 REV.
5RHT9BH -

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

Performance Data



5RHT9BH

REV.
-

Dayton Manufacturing Company

Motor Description

Model: 5RHT9BH
Motor ID: 1
Poles: 6
Volts: 208/230
Frequency: 60
HP: 3/4 - 1/5
Speed: 1075/4SOD
Phase: 1
Protector: 7A1010

Test Conditions

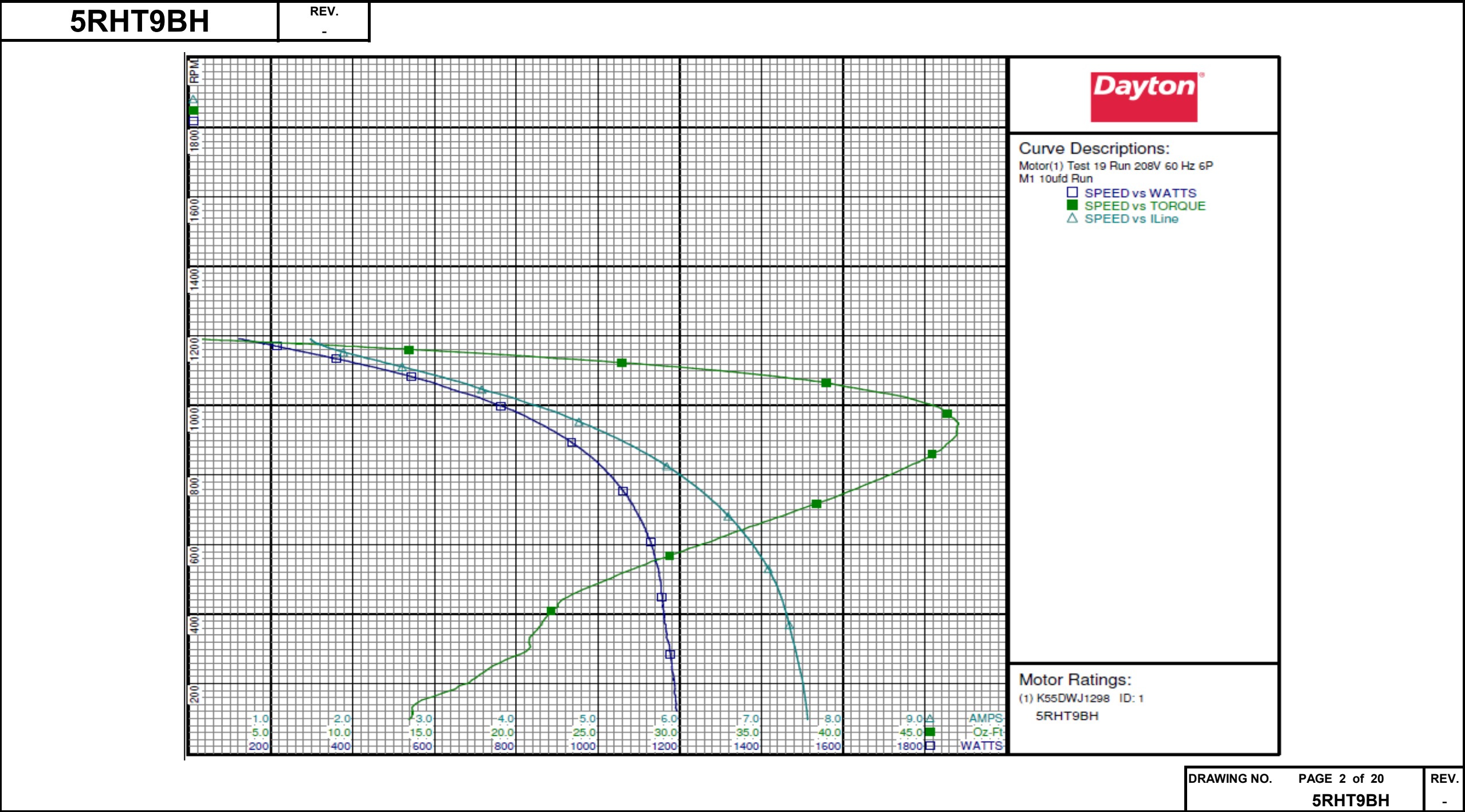
Test Type: Run
Test Number: 19
Poles: 6
Volts: 208
Hz: 60
Rotation:
Special Cond:
Speed Conn: M1
TestBoard: Amps Performance Fixture #4
Run Cap: 10
Start Cap: 0µfd
Environment:
Tested: 4/23/2014 12:12:49 PM
Tested By: Sharp, Gerald
Gear Ratio: 1:1
Bearing Friction: -0.13 Oz-Ft
Windage Torque: -0.38 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Imain (A)	Iaux (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)	Cap
	208.0	189.5	312.4	1.484	2.319	1.182	121.0	1192	0.00	0.000	0.0	39.2	10.0
	208.0	187.4	309.1	1.509	2.262	1.170	148.5	1186	2.93	0.041	20.7	47.3	10.0
	208.0	184.5	304.1	1.579	2.225	1.157	185.4	1178	6.90	0.097	38.9	56.4	10.1
	208.0	181.8	300.2	1.661	2.224	1.144	215.2	1170	10.00	0.139	48.3	62.3	10.1
	208.0	178.5	294.4	1.808	2.255	1.124	260.6	1159	14.41	0.199	56.9	69.3	10.1
	208.0	175.4	288.8	1.984	2.331	1.104	306.5	1148	18.64	0.255	62.0	74.3	10.1
	208.0	171.6	282.8	2.205	2.463	1.079	358.7	1134	22.95	0.310	64.5	78.2	10.1
	208.0	167.4	276.5	2.463	2.645	1.055	417.6	1119	27.59	0.368	65.7	81.5	10.1
	208.0	162.1	270.0	2.754	2.876	1.030	479.3	1102	31.90	0.419	65.2	83.7	10.1
	208.0	155.9	263.2	3.072	3.153	1.005	544.0	1083	35.99	0.464	63.6	85.1	10.1
1075 RPM	208.0	153.7	260.8	3.184	3.255	0.996	565.8	1075	37.39	0.478	63.1	85.4	10.1
	208.0	148.6	255.8	3.420	3.479	0.977	611.1	1060	39.58	0.499	60.9	85.9	10.1
0.5 HP	208.0	148.3	255.6	3.431	3.489	0.976	612.9	1058	39.68	0.500	60.9	85.9	10.1
	208.0	140.9	248.8	3.786	3.836	0.951	679.9	1033	42.79	0.526	57.7	86.3	10.1
	208.0	131.1	240.5	4.250	4.308	0.923	762.9	998	45.60	0.542	53.0	86.3	10.2
	208.0	123.3	235.2	4.593	4.672	0.902	820.2	970	46.55	0.538	48.9	85.8	10.2
BDT OZ-FT	208.0	117.0	231.0	4.867	4.965	0.887	863.9	944	47.04	0.529	45.6	85.3	10.2
	208.0	114.8	229.7	4.959	5.065	0.882	878.6	934	46.96	0.522	44.3	85.2	10.2
	208.0	105.8	224.8	5.333	5.471	0.864	935.6	893	46.45	0.494	39.4	84.3	10.2
	208.0	97.0	221.0	5.686	5.858	0.849	986.8	848	45.10	0.456	34.4	83.4	10.2
	208.0	88.8	218.4	5.992	6.200	0.839	1027.6	802	42.95	0.410	29.8	82.4	10.2
	208.0	81.4	216.5	6.265	6.507	0.831	1061.9	754	40.41	0.363	25.5	81.5	10.2
	208.0	74.7	215.5	6.494	6.766	0.826	1088.6	706	37.65	0.316	21.7	80.6	10.2
	208.0	68.6	214.8	6.696	6.996	0.823	1111.1	657	34.75	0.272	18.2	79.8	10.2
	208.0	63.0	214.5	6.868	7.196	0.822	1128.8	607	31.85	0.230	15.2	79.0	10.2
	208.0	57.9	214.5	7.017	7.370	0.821	1140.9	557	28.67	0.190	12.4	78.2	10.2
	208.0	52.9	214.7	7.142	7.518	0.819	1151.4	503	25.81	0.155	10.0	77.5	10.1
	208.0	48.3	214.9	7.240	7.638	0.820	1157.0	449	23.15	0.124	8.0	76.8	10.1
	208.0	43.9	216.2	7.312	7.732	0.821	1161.8	395	21.90	0.103	6.6	76.4	10.1
	208.0	40.8	217.9	7.367	7.804	0.827	1168.6	340	21.00	0.085	5.4	76.3	10.1
	208.0	38.6	220.5	7.428	7.880	0.836	1177.4	285	20.26	0.069	4.4	76.2	10.1
	208.0	36.1	221.7	7.494	7.962	0.843	1185.7	217	17.56	0.045	2.9	76.1	10.1
	208.0	33.9	223.9	7.545	8.031	0.852	1191.4	142	13.83	0.023	1.5	75.9	10.1

DRAWING NO. PAGE 1 of 20 REV.
5RHT9BH -

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

Performance Data



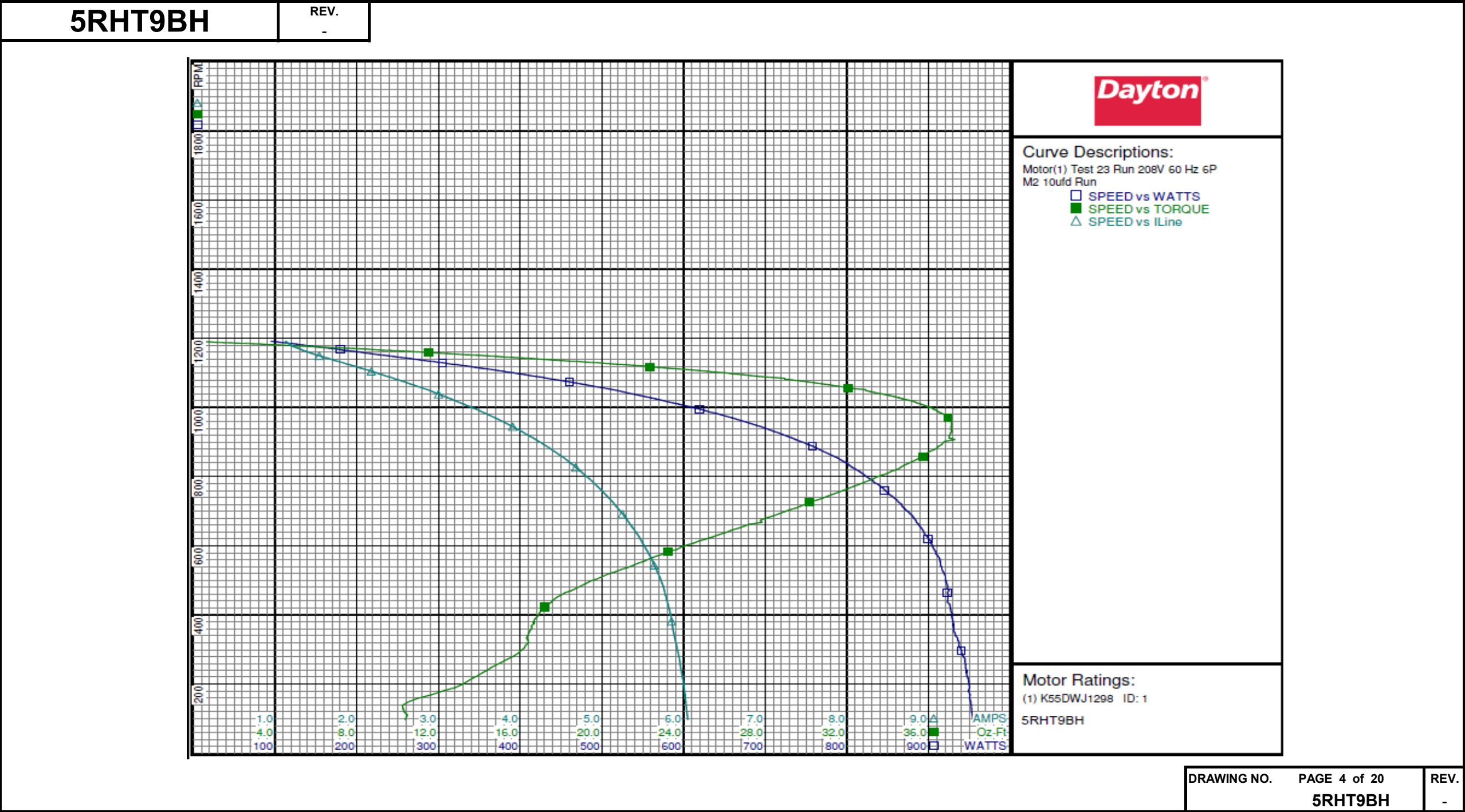
Performance Data



5RHT9BH		REV. -											
Dayton Manufacturing Company													
Motor Description				Test Conditions									
Model: 5RHT9BH		Test Type: Run		Run Cap: 10									
Motor ID: 1		Test Number: 23		Start Cap: 0µfd									
Poles: 6		Poles: 6		Environment:									
Volts: 208/230		Volts: 208		Tested: 4/23/2014 12:03:10 PM									
Frequency: 60		Hz: 60		Tested By: Sharp, Gerald									
HP: 3/4 - 1/5		Rotation:		Gear Ratio: 1:1									
Speed: 1075/4SOD		Special Cond:		Bearing Friction: -0.10 Oz-Ft									
Phase: 1		Speed Conn: M2		Windage Torque: -0.37 Oz-Ft									
Protector: 7A1010		TestBoard:		Amps Performance Fixture #4									
Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Imain (A)	Iaux (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)	Cap
	208.0	166.5	281.5	1.130	1.896	1.074	95.0	1192	0.00	0.000	0.0	40.4	10.1
	208.0	164.4	277.8	1.163	1.849	1.060	119.7	1185	2.55	0.036	22.4	49.5	10.1
	208.0	161.7	272.5	1.232	1.815	1.043	151.0	1176	5.94	0.083	41.1	58.9	10.2
	208.0	159.3	267.9	1.321	1.817	1.027	179.4	1167	8.85	0.123	51.2	65.3	10.2
	208.0	156.8	262.0	1.455	1.850	1.007	216.3	1156	12.43	0.171	59.0	71.5	10.2
	208.0	153.9	255.6	1.635	1.937	0.980	260.0	1143	16.11	0.219	62.9	76.5	10.2
	208.0	150.9	249.6	1.834	2.057	0.956	305.2	1129	19.81	0.266	65.1	80.0	10.2
	208.0	147.1	243.6	2.053	2.212	0.931	352.9	1113	23.25	0.308	65.1	82.6	10.1
0.333 HP	208.0	144.5	239.9	2.195	2.322	0.918	382.1	1103	25.36	0.333	65.0	83.7	10.1
	208.0	142.3	236.9	2.308	2.415	0.907	405.3	1095	26.84	0.350	64.4	84.4	10.2
1075 RPM	208.0	136.9	230.4	2.570	2.649	0.883	457.8	1075	29.95	0.383	62.5	85.6	10.2
	208.0	136.7	230.1	2.583	2.661	0.882	460.2	1074	30.07	0.385	62.3	85.7	10.2
	208.0	130.4	223.6	2.865	2.928	0.857	513.4	1051	32.91	0.412	59.8	86.1	10.2
	208.0	123.9	217.2	3.152	3.213	0.833	565.9	1025	34.72	0.423	55.8	86.3	10.2
	208.0	116.9	211.1	3.461	3.532	0.811	620.0	995	36.25	0.429	51.7	86.1	10.2
	208.0	109.4	205.4	3.768	3.857	0.791	671.1	961	37.05	0.424	47.1	85.6	10.2
	208.0	102.3	200.8	4.049	4.161	0.773	716.0	926	37.07	0.409	42.6	85.0	10.2
BDT OZ-FT	208.0	98.5	198.6	4.189	4.314	0.765	737.2	907	37.26	0.402	40.7	84.6	10.2
	208.0	95.3	196.8	4.321	4.460	0.759	757.8	888	36.50	0.386	38.0	84.3	10.2
	208.0	88.1	193.7	4.572	4.739	0.747	792.8	847	35.35	0.357	33.5	83.4	10.2
	208.0	81.5	191.5	4.792	4.991	0.739	821.2	804	33.72	0.323	29.3	82.4	10.2
	208.0	75.2	190.0	4.994	5.220	0.733	846.6	760	31.81	0.288	25.4	81.5	10.2
	208.0	69.6	189.1	5.173	5.425	0.729	867.4	714	29.72	0.253	21.7	80.6	10.2
	208.0	64.3	188.6	5.329	5.606	0.727	885.3	667	27.84	0.221	18.6	79.9	10.2
	208.0	59.3	188.3	5.471	5.770	0.725	899.5	619	25.07	0.185	15.3	79.1	10.2
	208.0	54.4	188.3	5.591	5.914	0.724	911.4	569	22.67	0.154	12.6	78.4	10.2
	208.0	49.8	188.7	5.690	6.036	0.723	919.2	519	20.34	0.126	10.2	77.7	10.2
	208.0	45.1	188.9	5.771	6.136	0.721	922.8	464	18.20	0.101	8.1	76.9	10.1
	208.0	40.7	189.6	5.831	6.216	0.722	927.2	409	16.98	0.083	6.6	76.4	10.1
	208.0	36.8	191.3	5.872	6.271	0.727	930.5	354	16.48	0.070	5.6	76.2	10.1
	208.0	33.0	193.5	5.924	6.337	0.734	940.0	297	16.05	0.057	4.5	76.3	10.1
	208.0	30.0	194.8	5.976	6.403	0.742	946.2	232	14.14	0.039	3.1	76.1	10.1
	208.0	26.3	196.8	6.021	6.465	0.751	950.0	158	10.98	0.021	1.6	75.9	10.1
											DRAWING NO.	PAGE 3 of 20	REV.
											5RHT9BH	-	-

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

Performance Data



Performance Data



5RHT9BH

REV.
-

Dayton Manufacturing Company

Motor Description

Model: 5RHT9BH
Motor ID: 1
Poles: 6
Volts: 208/230
Frequency: 60
HP: 3/4 - 1/5
Speed: 1075/4SOD
Phase: 1
Protector: 7A1010

Test Conditions

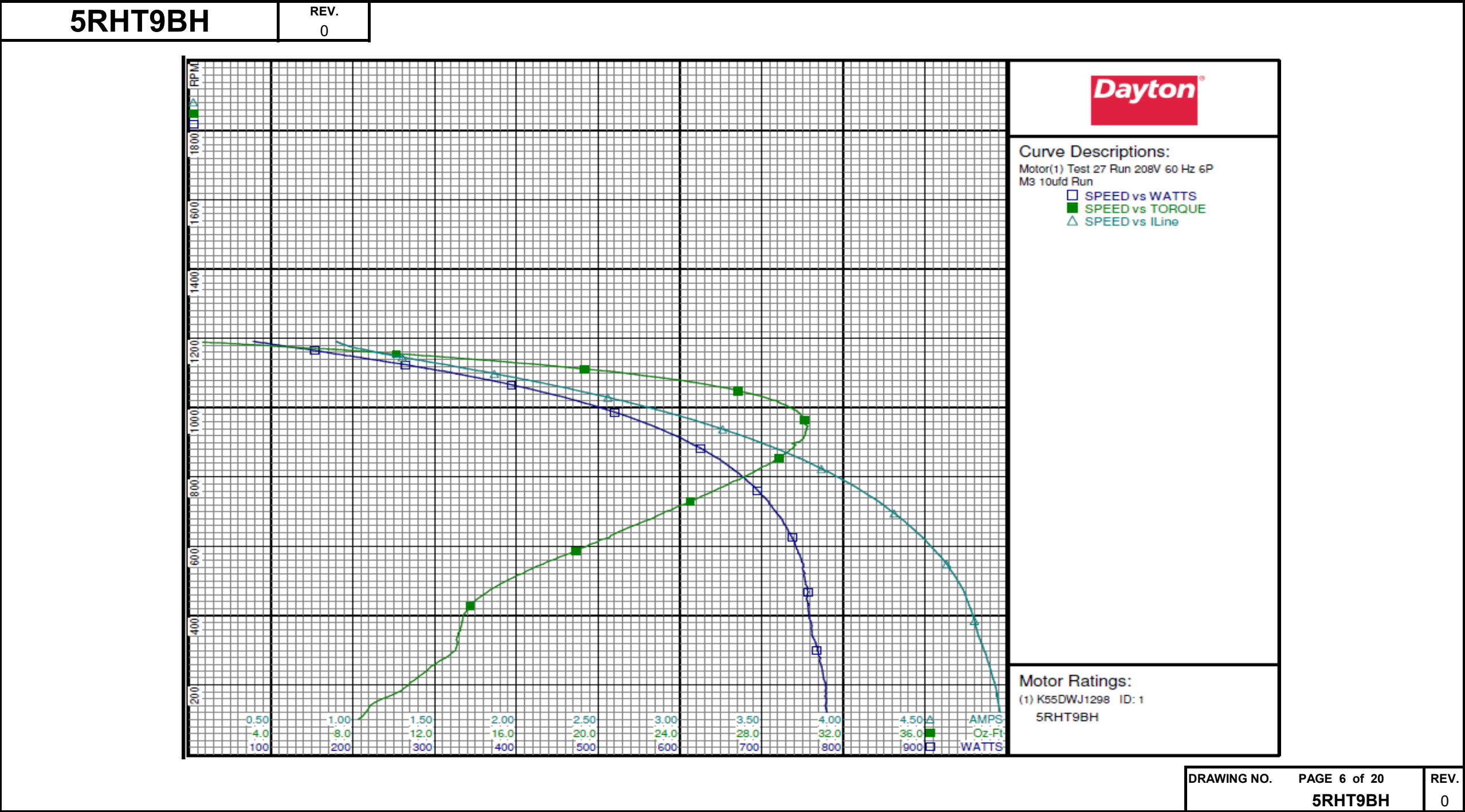
Test Type: Run
Test Number: 27
Poles: 6
Volts: 208
Hz: 60
Rotation:
Special Cond:
Speed Conn: M3
TestBoard: Amtps Performance Fixture #4
Run Cap: 10
Start Cap: 0µfd
Environment:
Tested: 4/23/2014 11:58:10 AM
Tested By: Sharp, Gerald
Gear Ratio: 1:1
Bearing Friction: -0.16 Oz-Ft
Windage Torque: -0.44 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Imain (A)	Iaux (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)	Cap
	208.0	149.4	255.6	0.898	1.603	0.976	77.9	1191	0.00	0.000	0.0	41.7	10.1
	208.0	147.6	251.5	0.934	1.559	0.962	99.7	1184	2.43	0.034	25.7	51.3	10.1
	208.0	145.4	245.9	1.008	1.531	0.944	128.5	1173	5.48	0.076	44.4	61.3	10.2
	208.0	143.9	241.3	1.096	1.539	0.930	153.8	1165	7.91	0.110	53.2	67.5	10.2
	208.0	142.2	235.2	1.224	1.577	0.906	187.4	1152	11.00	0.151	60.1	73.6	10.2
	208.0	140.3	229.1	1.385	1.655	0.881	224.5	1138	14.10	0.191	63.5	77.9	10.2
	208.0	137.9	223.2	1.567	1.766	0.856	264.5	1124	17.17	0.230	64.8	81.1	10.2
0.25 HP	208.0	136.0	219.7	1.676	1.842	0.842	287.3	1114	18.85	0.250	64.9	82.4	10.2
	208.0	134.6	217.3	1.760	1.903	0.833	305.1	1107	20.12	0.265	64.8	83.4	10.2
	208.0	130.5	210.9	1.981	2.086	0.809	349.3	1087	22.89	0.296	63.3	84.8	10.2
1075 RPM	208.0	127.9	207.2	2.116	2.203	0.795	376.0	1075	24.45	0.313	62.1	85.4	10.2
	208.0	125.9	204.6	2.211	2.291	0.785	393.9	1066	25.40	0.322	61.0	85.6	10.2
0.333 HP	208.0	123.1	201.2	2.341	2.412	0.773	418.4	1053	26.57	0.333	59.4	85.9	10.2
	208.0	120.9	198.6	2.439	2.509	0.763	436.6	1042	27.30	0.339	57.9	86.0	10.2
	208.0	115.5	192.9	2.680	2.752	0.743	479.5	1015	28.83	0.349	54.2	86.0	10.2
	208.0	110.1	187.7	2.916	2.997	0.724	520.2	987	29.77	0.350	50.1	85.8	10.2
	208.0	104.4	183.0	3.148	3.245	0.707	558.5	955	30.19	0.343	45.8	85.3	10.3
BDT OZ-FT	208.0	102.9	181.9	3.206	3.309	0.703	567.8	946	30.27	0.341	44.8	85.1	10.3
	208.0	98.7	178.8	3.374	3.492	0.692	594.0	920	30.11	0.330	41.4	84.7	10.3
	208.0	93.0	175.6	3.582	3.724	0.680	625.4	883	29.56	0.311	37.1	83.9	10.3
	208.0	87.5	173.0	3.777	3.944	0.670	652.4	844	28.58	0.287	32.8	83.0	10.3
	208.0	82.3	171.1	3.950	4.140	0.663	675.2	803	27.26	0.261	28.8	82.2	10.3
	208.0	77.4	169.9	4.109	4.324	0.658	695.6	761	25.71	0.233	25.0	81.4	10.3
	208.0	72.8	169.2	4.249	4.487	0.655	711.9	717	24.04	0.205	21.5	80.5	10.3
	208.0	68.6	168.7	4.375	4.635	0.652	726.1	672	22.25	0.178	18.3	79.8	10.3
	208.0	64.4	168.6	4.487	4.766	0.651	737.7	625	20.56	0.153	15.5	79.0	10.2
	208.0	60.5	168.7	4.584	4.884	0.650	746.5	575	18.41	0.126	12.6	78.3	10.2
	208.0	56.9	169.0	4.669	4.990	0.650	752.7	522	16.36	0.102	10.1	77.5	10.2
	208.0	53.1	169.2	4.740	5.080	0.647	757.1	467	14.57	0.081	8.0	76.8	10.2
	208.0	49.5	170.0	4.783	5.140	0.649	757.2	414	13.58	0.067	6.6	76.1	10.1
	208.0	46.2	171.4	4.818	5.189	0.652	761.3	357	13.27	0.056	5.5	76.0	10.1
	208.0	42.6	173.7	4.860	5.245	0.660	767.8	300	13.02	0.046	4.5	75.9	10.1
	208.0	40.4	174.7	4.907	5.302	0.666	775.1	233	11.45	0.032	3.1	75.9	10.1
	208.0	37.7	176.3	4.941	5.350	0.675	777.6	167	9.77	0.019	1.9	75.7	10.1

DRAWING NO. PAGE 5 of 20 REV.
5RHT9BH 0

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

Performance Data



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

Performance Data



5RHT9BH

REV.
0

Dayton Manufacturing Company

Motor Description

Model: 5RHT9BH
Motor ID: 1
Poles: 6
Volts: 208/230
Frequency: 60
HP: 3/4 - 1/5
Speed: 1075/4SOD
Phase: 1
Protector: 7A1010

Test Conditions

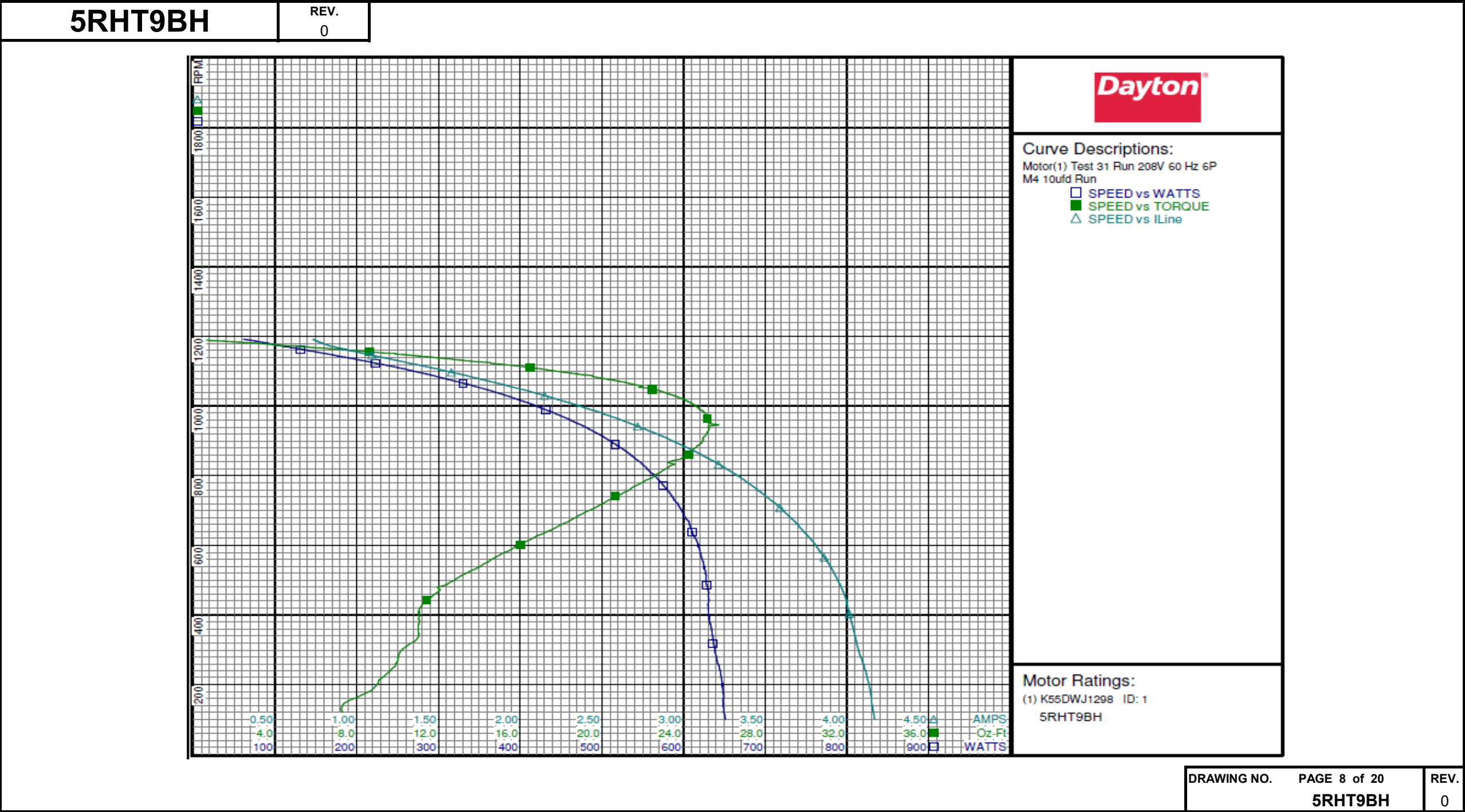
Test Type: Run
Test Number: 31
Poles: 6
Volts: 208
Hz: 60
Rotation:
Special Cond:
Speed Conn: M4
TestBoard: Amtps Performance Fixture #4
Run Cap: 10
Start Cap: 0ufd
Environment:
Tested: 4/23/2014 10:50:36 AM
Tested By: Sharp, Gerald
Gear Ratio: 1:1
Bearing Friction: -0.07 Oz-Ft
Windage Torque: -0.35 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Imain (A)	Iaux (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)	Cap
	208.0	137.3	234.7	0.733	1.405	0.898	61.5	1192	0.00	0.000	0.0	40.3	10.2
	208.0	136.1	230.6	0.767	1.360	0.884	81.4	1184	1.95	0.027	25.1	51.0	10.2
	208.0	134.9	225.6	0.828	1.334	0.868	104.3	1174	4.37	0.061	43.6	60.6	10.2
	208.0	133.7	219.8	0.923	1.339	0.849	130.9	1164	6.91	0.096	54.6	68.2	10.2
	208.0	133.3	214.8	1.025	1.367	0.831	156.7	1152	9.29	0.127	60.7	73.5	10.3
	208.0	132.4	208.7	1.169	1.433	0.804	189.5	1139	11.95	0.162	63.8	77.9	10.2
	208.0	130.7	203.1	1.325	1.524	0.781	223.3	1123	14.57	0.195	65.1	81.0	10.2
0.2 HP	208.0	130.6	202.2	1.349	1.539	0.778	228.7	1120	15.00	0.200	65.2	81.5	10.2
	208.0	128.2	197.5	1.493	1.642	0.759	258.3	1107	17.02	0.224	64.7	83.2	10.2
0.25 HP	208.0	125.4	192.1	1.660	1.774	0.739	291.6	1088	19.29	0.250	64.0	84.5	10.2
	208.0	125.3	191.7	1.670	1.783	0.737	293.6	1087	19.51	0.253	64.2	84.5	10.2
1075 RPM	208.0	123.3	188.6	1.775	1.874	0.726	313.8	1075	20.46	0.262	62.3	85.0	10.2
	208.0	121.8	186.0	1.861	1.951	0.717	330.3	1066	21.30	0.270	61.0	85.3	10.2
	208.0	117.9	180.5	2.053	2.134	0.696	365.6	1043	22.87	0.284	57.9	85.6	10.2
	208.0	113.7	175.3	2.250	2.334	0.677	400.6	1016	24.09	0.291	54.3	85.6	10.2
	208.0	109.4	170.6	2.441	2.533	0.660	432.2	988	24.85	0.292	50.5	85.1	10.3
	208.0	105.0	166.5	2.627	2.733	0.646	462.2	958	25.20	0.287	46.4	84.6	10.3
BDT OZ-FT	208.0	103.6	164.9	2.697	2.808	0.641	474.9	945	25.72	0.290	45.5	84.7	10.3
	208.0	100.7	162.8	2.809	2.932	0.633	491.1	925	25.16	0.277	42.1	84.0	10.3
	208.0	96.4	159.9	2.980	3.121	0.621	516.9	890	24.77	0.262	37.9	83.4	10.3
	208.0	91.9	157.6	3.140	3.304	0.614	539.6	852	23.96	0.243	33.6	82.6	10.3
	208.0	87.7	155.8	3.285	3.469	0.606	558.0	813	22.96	0.222	29.7	81.7	10.3
	208.0	83.9	154.6	3.415	3.621	0.602	575.0	773	21.72	0.200	25.9	81.0	10.3
	208.0	80.0	153.9	3.533	3.760	0.599	588.4	730	20.33	0.177	22.4	80.1	10.3
	208.0	76.6	153.5	3.639	3.886	0.597	600.0	686	18.88	0.154	19.2	79.3	10.3
	208.0	73.2	153.4	3.736	4.002	0.595	610.7	639	17.28	0.131	16.0	78.6	10.3
	208.0	70.3	153.5	3.824	4.108	0.598	619.6	590	15.61	0.110	13.2	77.9	10.3
	208.0	67.1	153.6	3.900	4.201	0.594	625.4	539	14.03	0.090	10.7	77.1	10.3
	208.0	64.1	154.0	3.959	4.278	0.592	628.1	486	12.40	0.072	8.5	76.3	10.2
	208.0	61.5	154.6	4.001	4.335	0.593	629.8	430	11.21	0.057	6.8	75.7	10.2
	208.0	58.6	155.7	4.031	4.380	0.595	632.5	375	11.04	0.049	5.8	75.4	10.1
	208.0	56.0	157.3	4.060	4.420	0.600	636.4	318	10.62	0.040	4.7	75.4	10.1
	208.0	53.5	158.7	4.105	4.476	0.607	643.5	253	9.88	0.030	3.5	75.4	10.1
	208.0	51.4	160.3	4.142	4.524	0.615	648.1	183	8.73	0.019	2.2	75.2	10.2
	208.0	49.2	161.8	4.166	4.561	0.623	650.4	113	7.36	0.010	1.1	75.1	10.2

DRAWING NO. PAGE 7 of 20 REV.
5RHT9BH 0

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

Performance Data



Performance Data



5RHT9BH

REV.
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Dayton Manufacturing Company

Motor Description

Model: 5RHT9BH
Motor ID: 1
Poles: 6
Volts: 208/230
Frequency: 60
HP: 3/4 - 1/5
Speed: 1075/4SOD
Phase: 1
Protector: 7A1010

Test Conditions

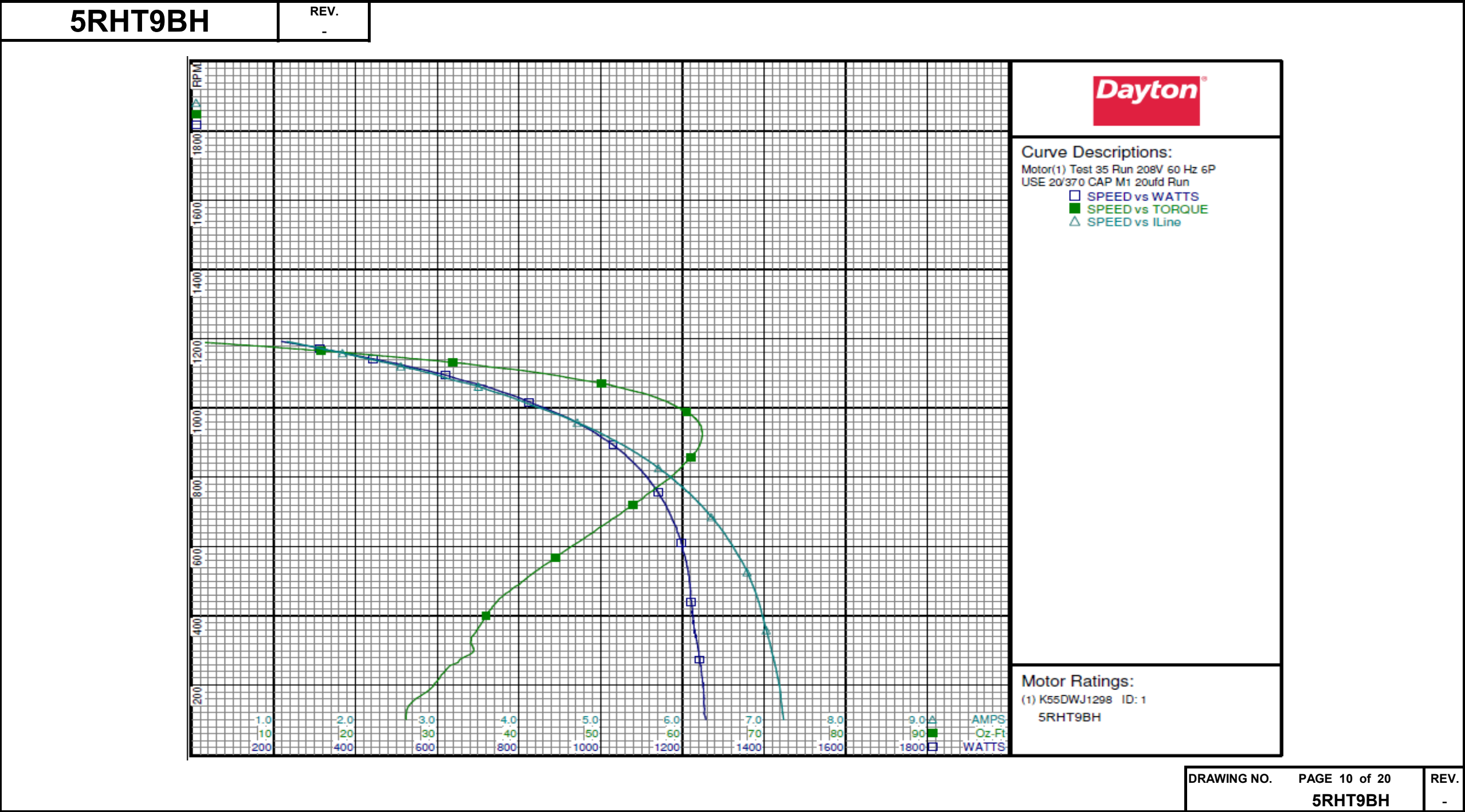
Test Type: Run
Test Number: 35
Poles: 6
Volts: 208
Hz: 60
Rotation:
Special Cond: USE 20/370 CAP
Speed Conn: M1
TestBoard: Amtps Performance Fixture #4
Run Cap: 20
Start Cap: 0µfd
Environment:
Tested: 4/23/2014 12:17:17 PM
Tested By: Sharp, Gerald
Gear Ratio: 1:1
Bearing Friction: -0.12 Oz-Ft
Windage Torque: -0.36 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Iline (A)	Imain (A)	Iaux (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
	208.0	207.9	1.157	2.109	2.687	218.8	1192	0.00	0.000	0.0	90.9
	208.0	207.8	1.278	1.988	2.666	246.8	1186	3.38	0.048	14.4	92.8
	208.0	207.8	1.428	1.860	2.639	280.5	1179	7.79	0.109	29.1	94.4
	208.0	207.9	1.567	1.765	2.614	312.1	1172	11.76	0.164	39.2	95.8
	208.0	207.9	1.757	1.678	2.571	354.1	1163	16.99	0.235	49.6	96.9
	208.0	207.9	1.939	1.653	2.511	394.6	1153	22.00	0.302	57.1	97.8
	208.0	207.9	2.162	1.709	2.428	443.9	1141	27.55	0.374	62.9	98.7
	208.0	208.0	2.422	1.839	2.358	499.6	1129	33.23	0.447	66.7	99.2
	208.0	208.0	2.710	2.040	2.290	560.3	1112	39.05	0.517	68.8	99.4
	208.0	208.1	3.003	2.308	2.229	620.9	1095	44.33	0.578	69.4	99.4
1075 RPM	208.0	208.1	3.284	2.582	2.171	677.9	1075	49.18	0.629	69.3	99.2
	208.0	208.1	3.451	2.772	2.139	709.3	1066	51.22	0.650	68.4	98.8
	208.0	208.2	3.644	3.001	2.101	748.6	1051	53.76	0.672	67.0	98.8
	208.0	208.1	4.057	3.498	2.024	825.8	1017	58.20	0.705	63.6	97.9
	208.0	208.1	4.500	4.059	1.952	905.5	978	61.18	0.713	58.7	96.7
	208.0	208.1	4.909	4.605	1.891	972.8	937	62.35	0.696	53.4	95.3
BDT OZ-FT	208.0	208.2	5.044	4.779	1.873	994.9	921	62.43	0.685	51.3	94.8
	208.0	208.3	5.268	5.082	1.845	1030.5	893	62.13	0.661	47.8	94.0
	208.0	208.1	5.578	5.512	1.810	1074.4	848	60.70	0.613	42.6	92.6
	208.0	208.1	5.844	5.881	1.786	1111.6	802	58.65	0.560	37.6	91.4
	208.0	208.1	6.071	6.205	1.770	1140.4	756	56.02	0.504	33.0	90.3
	208.0	208.1	6.269	6.488	1.758	1163.2	709	53.23	0.449	28.8	89.2
	208.0	208.2	6.441	6.739	1.752	1182.5	660	50.30	0.395	24.9	88.3
	208.0	208.3	6.591	6.963	1.751	1197.0	610	47.08	0.342	21.3	87.3
	208.0	208.4	6.731	7.177	1.749	1210.0	556	43.77	0.290	17.9	86.4
	208.0	208.3	6.845	7.358	1.747	1217.3	497	40.34	0.239	14.6	85.5
	208.0	208.4	6.933	7.508	1.749	1222.5	441	37.31	0.196	11.9	84.8
	208.0	208.4	6.995	7.622	1.759	1226.8	386	35.63	0.164	10.0	84.3
	208.0	208.3	7.062	7.725	1.772	1234.9	328	34.15	0.134	8.1	84.1
	208.0	208.4	7.117	7.814	1.790	1242.9	274	32.76	0.107	6.4	84.0
	208.0	208.4	7.182	7.924	1.809	1250.7	204	29.68	0.072	4.3	83.7
	208.0	208.3	7.221	8.004	1.826	1254.2	128	26.27	0.040	2.4	83.5

DRAWING NO. PAGE 9 of 20 REV.
5RHT9BH -

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

Performance Data



Performance Data



5RHT9BH

REV.
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Dayton Manufacturing Company

Motor Description

Model: 5RHT9BH
Motor ID: 1
Poles: 6
Volts: 208/230
Frequency: 60
HP: 3/4 - 1/5
Speed: 1075/4SOD
Phase: 1
Protector: 7A1010

Test Conditions

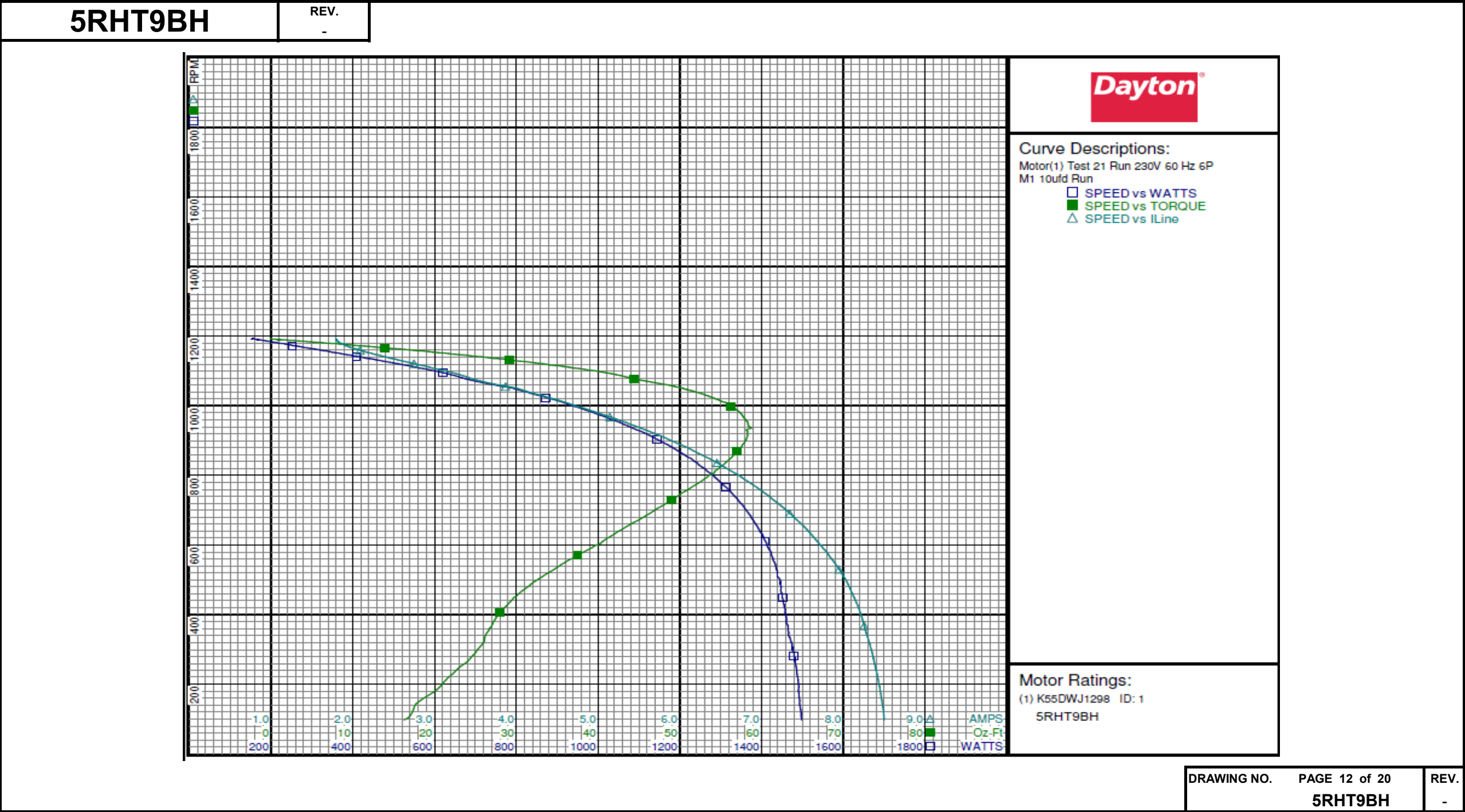
Test Type: Run
Test Number: 21
Poles: 6
Volts: 230
Hz: 60
Rotation:
Special Cond:
Speed Conn: M1
TestBoard: Amtps Performance Fixture #4
Run Cap: 10
Start Cap: 0ufd
Environment:
Tested: 4/23/2014 12:13:45 PM
Tested By: Sharp, Gerald
Gear Ratio: 1:1
Bearing Friction: -0.14 Oz-Ft
Windage Torque: -0.40 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Imain (A)	Iaux (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)	Cap
	230.0	207.4	342.5	1.795	2.715	1.292	152.3	1193	0.00	0.000	0.0	36.9	10.0
	230.0	205.8	339.9	1.804	2.661	1.281	179.4	1187	2.38	0.034	14.0	43.2	10.0
	230.0	203.4	335.7	1.846	2.604	1.266	218.8	1180	6.72	0.094	32.2	51.6	10.0
	230.0	201.4	332.1	1.907	2.586	1.255	252.1	1173	10.23	0.143	42.3	57.5	10.0
	230.0	198.4	327.2	2.022	2.587	1.239	300.2	1164	15.15	0.210	52.2	64.5	10.0
	230.0	195.3	322.0	2.168	2.628	1.222	349.3	1153	19.88	0.273	58.3	70.1	10.1
	230.0	191.8	316.1	2.372	2.727	1.200	409.1	1141	25.12	0.341	62.2	75.0	10.1
	230.0	188.2	310.3	2.609	2.872	1.178	473.6	1128	30.43	0.409	64.4	78.9	10.1
	230.0	183.2	303.8	2.896	3.080	1.157	544.7	1113	35.70	0.473	64.8	81.8	10.1
0.5 HP	230.0	180.8	300.9	3.028	3.183	1.146	576.3	1106	37.99	0.500	64.7	82.8	10.1
	230.0	177.1	296.7	3.221	3.343	1.130	621.6	1095	40.96	0.534	64.0	83.9	10.1
1075 RPM	230.0	171.3	290.6	3.493	3.582	1.107	683.5	1075	44.83	0.574	62.6	85.1	10.1
	230.0	169.8	289.0	3.567	3.649	1.101	700.6	1070	45.92	0.585	62.3	85.4	10.1
	230.0	161.3	281.0	4.018	4.076	1.072	794.2	1049	50.42	0.630	59.1	86.0	10.1
	230.0	153.5	273.9	4.394	4.447	1.047	873.0	1023	53.99	0.658	56.2	86.4	10.1
	230.0	142.9	265.5	4.882	4.953	1.016	968.0	988	56.95	0.670	51.6	86.2	10.2
	230.0	131.5	257.6	5.394	5.492	0.987	1063.0	947	58.31	0.657	46.1	85.7	10.2
BDT OZ-FT	230.0	128.6	255.9	5.516	5.622	0.981	1084.1	936	58.78	0.655	45.1	85.5	10.2
	230.0	120.5	251.3	5.862	5.996	0.965	1145.1	903	58.10	0.625	40.7	84.9	10.2
	230.0	110.5	246.7	6.263	6.435	0.946	1210.8	859	56.65	0.579	35.7	84.1	10.2
	230.0	101.1	243.1	6.629	6.839	0.932	1266.2	812	54.30	0.525	30.9	83.0	10.2
	230.0	92.9	240.8	6.942	7.189	0.924	1313.7	765	51.38	0.468	26.6	82.3	10.2
	230.0	85.4	239.2	7.212	7.492	0.917	1350.9	718	48.21	0.412	22.7	81.4	10.2
	230.0	77.9	238.1	7.466	7.783	0.912	1382.6	665	44.36	0.351	18.9	80.5	10.2
	230.0	71.2	237.6	7.679	8.026	0.911	1409.0	611	40.61	0.295	15.6	79.8	10.2
	230.0	64.8	237.4	7.868	8.245	0.907	1428.2	556	36.41	0.241	12.6	78.9	10.1
	230.0	59.0	237.4	8.024	8.429	0.906	1444.3	502	32.72	0.196	10.1	78.3	10.1
	230.0	53.7	237.6	8.133	8.565	0.907	1451.0	448	29.68	0.158	8.1	77.6	10.1
	230.0	48.9	239.1	8.226	8.679	0.908	1460.3	393	27.57	0.129	6.6	77.2	10.1
	230.0	45.2	241.0	8.287	8.761	0.914	1465.2	341	26.19	0.106	5.4	76.9	10.1
	230.0	42.4	243.0	8.360	8.849	0.921	1479.3	283	24.69	0.083	4.2	76.9	10.1
	230.0	39.9	244.8	8.420	8.925	0.929	1487.8	221	21.74	0.057	2.9	76.8	10.1
	230.0	37.2	247.3	8.477	9.006	0.940	1492.7	144	17.72	0.030	1.5	76.6	10.1

DRAWING NO. PAGE 11 of 20 REV.
5RHT9BH -

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

Performance Data



Performance Data



5RHT9BH

REV.
-

Dayton Manufacturing Company

Motor Description

Model: 5RHT9BH
Motor ID: 1
Poles: 6
Volts: 208/230
Frequency: 60
HP: 3/4 - 1/5
Speed: 1075/4SOD
Phase: 1
Protector: 7A1010

Test Conditions

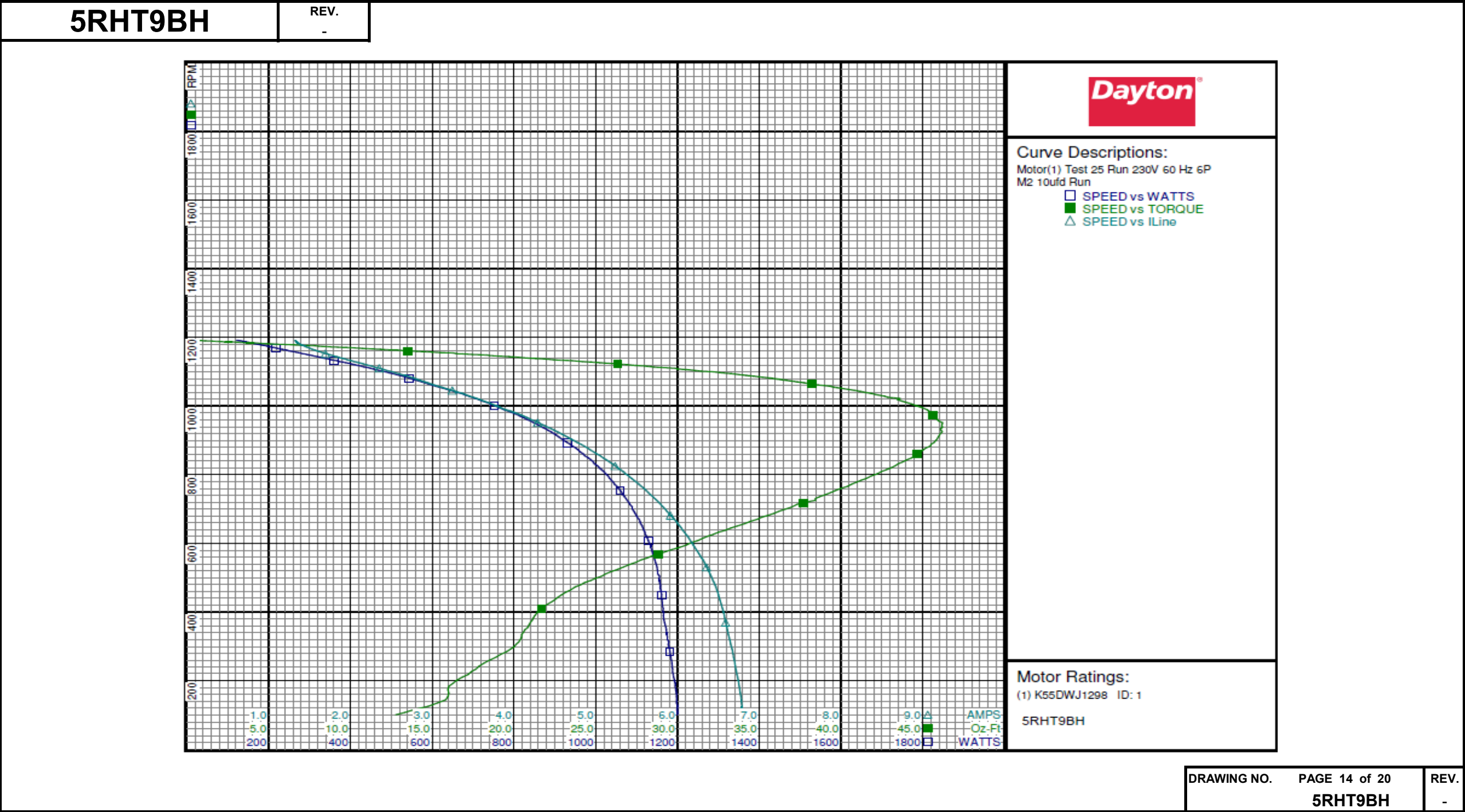
Test Type: Run
Test Number: 25
Poles: 6
Volts: 230
Hz: 60
Rotation:
Special Cond:
Speed Conn: M2
TestBoard: Amtps Performance Fixture #4
Run Cap: 10
Start Cap: 0µfd
Environment:
Tested: 4/23/2014 12:04:08 PM
Tested By: Sharp, Gerald
Gear Ratio: 1:1
Bearing Friction: -0.12 Oz-Ft
Windage Torque: -0.39 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Imain (A)	Iaux (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)	Cap
	230.0	183.8	309.6	1.322	2.158	1.172	121.6	1191	0.00	0.000	0.0	40.0	10.0
	230.0	181.6	305.7	1.349	2.107	1.158	149.6	1185	3.20	0.045	22.5	48.2	10.1
	230.0	179.1	300.8	1.414	2.070	1.145	185.1	1177	6.97	0.098	39.3	56.9	10.1
	230.0	177.0	296.5	1.492	2.062	1.131	216.9	1169	10.23	0.142	48.9	63.2	10.1
	230.0	174.3	290.6	1.625	2.083	1.111	261.2	1158	14.52	0.200	57.2	69.9	10.1
	230.0	171.6	284.9	1.781	2.147	1.089	305.9	1147	18.49	0.253	61.6	74.7	10.1
	230.0	168.5	278.4	1.988	2.259	1.063	360.1	1133	23.02	0.311	64.3	78.8	10.1
0.333 HP	230.0	167.0	275.9	2.078	2.316	1.054	382.6	1127	24.81	0.333	64.9	80.1	10.1
	230.0	164.6	271.9	2.225	2.417	1.038	418.4	1118	27.46	0.365	65.2	81.8	10.1
	230.0	159.8	265.4	2.479	2.615	1.013	478.0	1101	31.44	0.412	64.3	83.9	10.1
	230.0	153.9	258.1	2.775	2.869	0.986	544.4	1081	35.68	0.459	62.9	85.3	10.1
1075 RPM	230.0	152.4	256.2	2.845	2.931	0.979	559.9	1075	36.56	0.468	62.3	85.6	10.1
	230.0	147.4	250.9	3.070	3.139	0.958	608.0	1057	39.35	0.495	60.8	86.1	10.1
	230.0	140.2	243.4	3.417	3.478	0.933	680.3	1032	42.22	0.519	56.9	86.5	10.2
	230.0	131.9	236.1	3.779	3.845	0.905	751.9	1001	44.59	0.531	52.7	86.5	10.2
	230.0	123.1	229.1	4.149	4.235	0.881	821.1	967	45.76	0.527	47.9	86.0	10.2
BDT OZ-FT	230.0	116.6	224.5	4.416	4.522	0.863	869.7	938	46.21	0.516	44.2	85.6	10.2
	230.0	115.6	223.9	4.456	4.565	0.861	877.2	934	46.08	0.512	43.6	85.6	10.2
	230.0	107.3	219.0	4.778	4.919	0.843	930.8	893	45.67	0.486	38.9	84.7	10.2
	230.0	98.7	214.9	5.091	5.266	0.828	982.2	848	44.31	0.447	34.0	83.9	10.2
	230.0	90.9	212.1	5.371	5.580	0.817	1025.6	801	42.16	0.402	29.2	83.0	10.2
	230.0	83.5	210.3	5.614	5.856	0.809	1059.9	754	39.69	0.356	25.1	82.1	10.2
	230.0	76.9	209.1	5.825	6.097	0.805	1089.6	705	36.98	0.311	21.3	81.3	10.2
	230.0	70.5	208.3	6.005	6.305	0.800	1109.8	657	34.12	0.267	17.9	80.4	10.2
	230.0	65.0	208.1	6.156	6.484	0.800	1128.7	608	31.26	0.226	15.0	79.7	10.2
	230.0	59.6	208.0	6.295	6.647	0.797	1143.1	557	28.12	0.186	12.2	78.9	10.2
	230.0	54.6	208.1	6.411	6.785	0.797	1156.0	504	25.37	0.152	9.8	78.4	10.2
	230.0	49.4	208.4	6.500	6.898	0.795	1161.1	450	22.92	0.123	7.9	77.7	10.1
	230.0	44.4	209.8	6.564	6.982	0.798	1166.2	396	21.39	0.101	6.5	77.2	10.1
	230.0	40.3	211.4	6.616	7.051	0.804	1173.5	340	20.57	0.083	5.3	77.1	10.1
	230.0	35.9	213.8	6.673	7.123	0.811	1181.6	284	19.55	0.066	4.2	77.0	10.1
	230.0	32.7	215.3	6.727	7.192	0.819	1189.5	218	17.21	0.045	2.8	76.9	10.1
	230.0	28.9	216.9	6.779	7.259	0.828	1197.8	144	15.83	0.027	1.7	76.8	10.1

DRAWING NO. PAGE 13 of 20 REV.
5RHT9BH -

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

Performance Data



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

Performance Data



5RHT9BH

REV.
-

Dayton Manufacturing Company

Motor Description

Model: 5RHT9BH
Motor ID: 1
Poles: 6
Volts: 208/230
Frequency: 60
HP: 3/4 - 1/5
Speed: 1075/4SOD
Phase: 1
Protector: 7A1010

Test Conditions

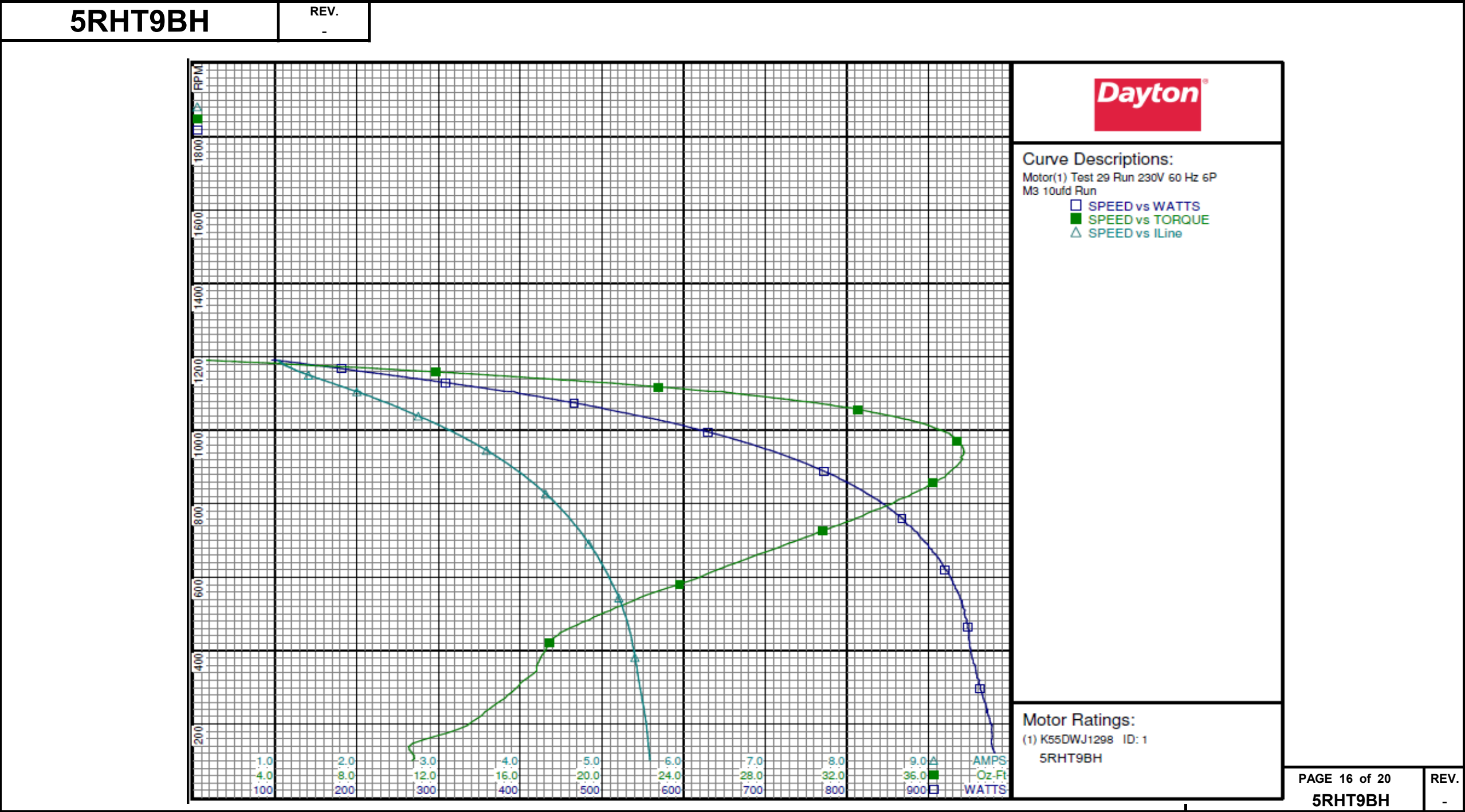
Test Type: Run
Test Number: 29
Poles: 6
Volts: 230
Hz: 60
Rotation:
Special Cond:
Speed Conn: M3
TestBoard: Amtps Performance Fixture #4
Run Cap: 10
Start Cap: 0µfd
Environment:
Tested: 4/23/2014 11:56:50 AM
Tested By: Sharp, Gerald
Gear Ratio: 1:1
Bearing Friction: -0.04 Oz-Ft
Windage Torque: -0.32 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Imain (A)	Iaux (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)	Cap
	230.0	166.0	282.1	1.034	1.816	1.076	95.6	1192	0.00	0.000	0.0	40.2	10.1
	230.0	164.2	278.0	1.065	1.768	1.061	120.3	1185	2.69	0.038	23.5	49.1	10.1
	230.0	162.1	272.9	1.127	1.732	1.043	151.7	1176	6.07	0.085	41.8	58.5	10.1
	230.0	160.5	268.1	1.210	1.728	1.028	181.4	1168	8.98	0.125	51.4	65.2	10.2
	230.0	158.5	261.9	1.339	1.753	1.006	220.8	1156	12.82	0.176	59.6	71.7	10.2
	230.0	156.5	255.8	1.492	1.819	0.981	261.7	1144	16.24	0.221	63.0	76.3	10.2
0.25 HP	230.0	155.1	252.1	1.600	1.876	0.966	289.0	1136	18.49	0.250	64.5	78.5	10.2
	230.0	154.1	249.5	1.679	1.921	0.956	308.9	1130	20.11	0.271	65.3	80.0	10.2
	230.0	150.8	243.1	1.887	2.063	0.930	358.6	1114	23.72	0.315	65.4	82.6	10.2
0.333 HP	230.0	149.2	240.2	1.985	2.136	0.920	381.3	1106	25.29	0.333	65.1	83.5	10.2
	230.0	146.7	236.4	2.119	2.243	0.905	411.4	1095	27.22	0.355	64.4	84.4	10.2
1075 RPM	230.0	142.0	229.6	2.365	2.456	0.881	465.6	1075	30.42	0.389	62.4	85.6	10.2
	230.0	141.9	229.6	2.368	2.458	0.881	466.2	1075	30.45	0.390	62.3	85.6	10.2
	230.0	136.3	222.9	2.620	2.695	0.856	518.8	1051	33.09	0.414	59.5	86.1	10.2
	230.0	130.5	216.1	2.898	2.968	0.831	575.5	1024	35.27	0.430	55.8	86.3	10.2
	230.0	124.1	209.8	3.177	3.255	0.808	629.8	995	36.80	0.436	51.6	86.2	10.2
	230.0	117.7	204.2	3.455	3.549	0.787	681.5	963	37.52	0.430	47.1	85.8	10.2
BDT OZ-FT	230.0	113.5	201.0	3.623	3.731	0.776	711.7	941	37.73	0.423	44.3	85.4	10.2
	230.0	110.9	199.2	3.723	3.840	0.769	729.0	927	37.57	0.414	42.4	85.1	10.2
	230.0	104.4	195.0	3.973	4.117	0.754	771.6	889	37.07	0.392	37.9	84.4	10.3
	230.0	98.0	191.8	4.206	4.377	0.742	808.8	848	35.95	0.363	33.5	83.6	10.3
	230.0	91.9	189.5	4.418	4.618	0.733	840.6	805	34.36	0.329	29.2	82.7	10.3
	230.0	86.3	187.9	4.603	4.830	0.726	867.4	761	32.46	0.294	25.3	81.9	10.2
	230.0	81.0	186.8	4.767	5.023	0.722	887.6	715	30.33	0.258	21.7	80.9	10.2
	230.0	76.0	186.3	4.913	5.194	0.719	904.8	668	28.02	0.223	18.4	80.1	10.2
	230.0	71.3	186.1	5.040	5.345	0.718	920.4	620	25.65	0.189	15.3	79.4	10.2
	230.0	67.0	186.2	5.154	5.480	0.717	932.4	570	23.17	0.157	12.6	78.7	10.2
	230.0	62.9	186.3	5.254	5.601	0.714	941.8	517	20.66	0.127	10.1	77.9	10.2
	230.0	59.3	186.5	5.330	5.698	0.715	947.6	463	18.50	0.102	8.0	77.3	10.2
	230.0	55.0	187.5	5.382	5.771	0.715	950.5	408	17.31	0.084	6.6	76.8	10.1
	230.0	51.4	189.1	5.429	5.831	0.720	957.3	353	16.80	0.071	5.5	76.7	10.1
	230.0	48.2	191.0	5.470	5.887	0.729	963.1	296	15.76	0.056	4.3	76.6	10.1
	230.0	44.9	192.7	5.521	5.951	0.734	971.8	232	14.26	0.039	3.0	76.5	10.1
	230.0	41.6	194.7	5.562	6.010	0.745	977.1	156	11.20	0.021	1.6	76.4	10.1

DRAWING NO. PAGE 15 of 20 REV.
5RHT9BH -

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

Performance Data



Performance Data



5RHT9BH

REV.
-

Dayton Manufacturing Company

Motor Description

Model: 5RHT9BH
Motor ID: 1
Poles: 6
Volts: 208/230
Frequency: 60
HP: 3/4 - 1/5
Speed: 1075/4SOD
Phase: 1
Protector: 7A1010

Test Conditions

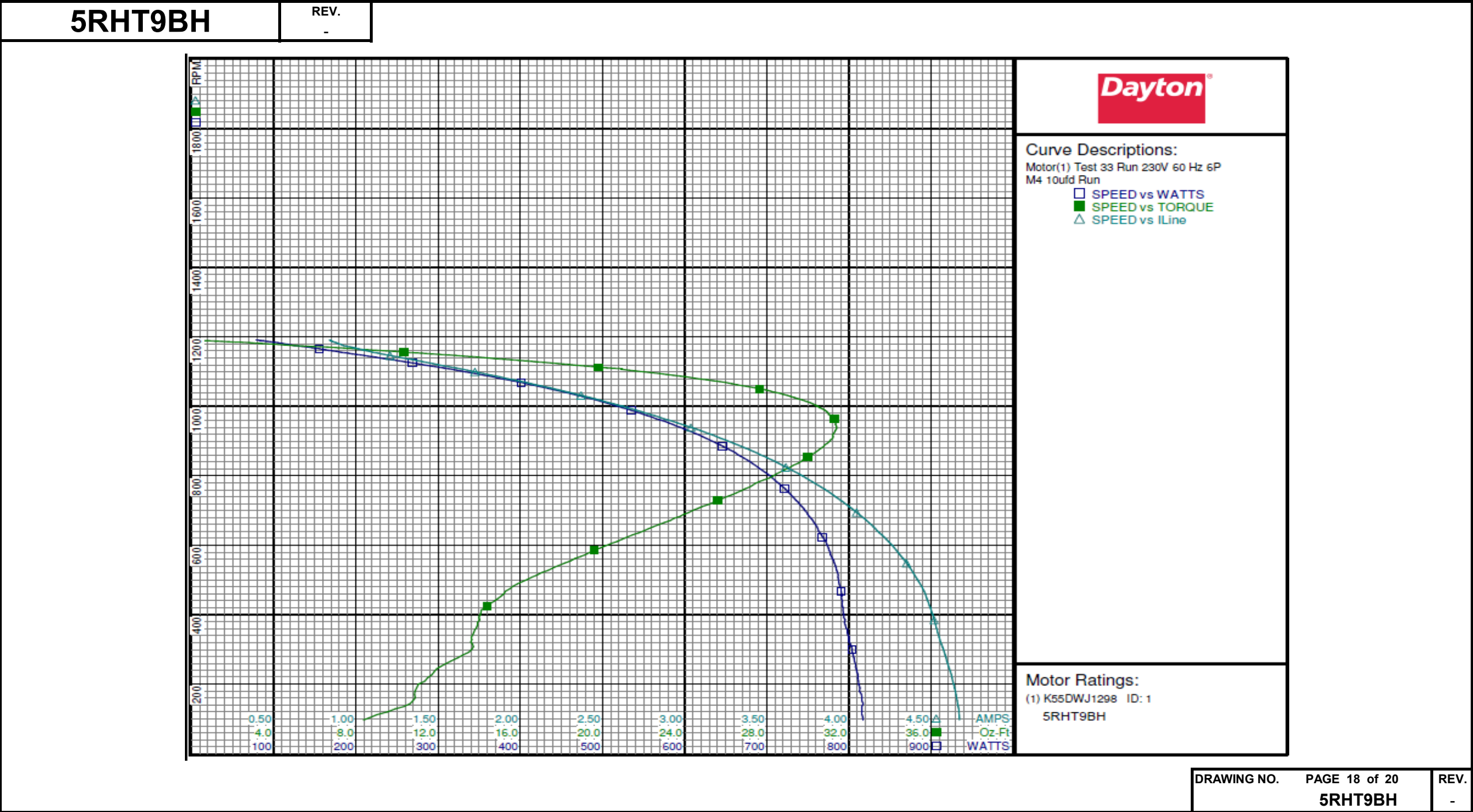
Test Type: Run
Test Number: 33
Poles: 6
Volts: 230
Hz: 60
Rotation:
Special Cond:
Speed Conn: M4
TestBoard: Amtps Performance Fixture #4
Run Cap: 10
Start Cap: 0µfd
Environment:
Tested: 4/23/2014 10:53:04 AM
Tested By: Sharp, Gerald
Gear Ratio: 1:1
Bearing Friction: -0.17 Oz-Ft
Windage Torque: -0.44 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Vcap (V)	Iline (A)	Imain (A)	Iaux (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)	Cap
	230.0	153.0	258.6	0.839	1.568	0.988	78.7	1191	0.00	0.000	0.0	40.7	10.1
	230.0	151.7	254.4	0.873	1.523	0.972	102.0	1184	2.48	0.035	25.6	50.8	10.1
	230.0	150.2	248.9	0.936	1.491	0.954	129.8	1174	5.40	0.075	43.4	60.3	10.2
	230.0	149.1	244.2	1.016	1.491	0.939	155.7	1166	7.96	0.110	52.9	66.7	10.2
	230.0	148.3	238.0	1.136	1.515	0.917	190.7	1153	11.20	0.154	60.1	73.0	10.2
	230.0	147.2	231.8	1.284	1.580	0.891	229.3	1139	14.46	0.196	63.8	77.6	10.2
0.2 HP	230.0	146.9	231.0	1.306	1.591	0.887	234.3	1137	14.77	0.200	63.7	78.0	10.2
	230.0	145.6	226.0	1.447	1.670	0.867	269.1	1125	17.49	0.234	64.9	80.9	10.2
0.25 HP	230.0	144.6	223.5	1.518	1.715	0.857	285.8	1118	18.78	0.250	65.3	81.9	10.2
	230.0	142.9	219.9	1.631	1.795	0.842	312.0	1108	20.96	0.277	66.1	83.2	10.2
	230.0	139.8	213.6	1.827	1.948	0.819	356.1	1089	23.46	0.304	63.7	84.7	10.2
1075 RPM	230.0	137.2	209.2	1.971	2.071	0.803	387.2	1075	25.22	0.323	62.2	85.4	10.2
	230.0	135.9	207.3	2.038	2.132	0.796	401.3	1068	25.99	0.331	61.4	85.6	10.2
	230.0	131.6	200.9	2.261	2.339	0.772	447.3	1044	28.13	0.350	58.3	86.0	10.2
	230.0	126.9	195.0	2.483	2.562	0.751	492.2	1018	29.72	0.360	54.6	86.2	10.2
	230.0	121.9	189.4	2.707	2.793	0.731	534.8	989	30.83	0.363	50.6	85.9	10.2
	230.0	116.9	184.3	2.930	3.031	0.713	576.2	956	31.33	0.357	46.2	85.5	10.3
BDT OZ-FT	230.0	114.3	182.1	3.039	3.150	0.705	594.9	939	31.39	0.351	44.0	85.1	10.3
	230.0	111.7	180.0	3.144	3.266	0.696	613.2	922	31.24	0.343	41.7	84.8	10.3
	230.0	106.6	176.5	3.344	3.488	0.684	646.6	884	30.78	0.324	37.4	84.1	10.3
	230.0	101.7	173.7	3.529	3.698	0.674	675.8	846	29.75	0.300	33.1	83.3	10.3
	230.0	97.0	171.8	3.698	3.891	0.666	700.9	804	28.45	0.272	29.0	82.4	10.3
	230.0	92.5	170.3	3.848	4.066	0.660	722.4	762	26.92	0.244	25.2	81.6	10.3
	230.0	88.4	169.5	3.982	4.223	0.657	739.9	718	25.19	0.215	21.7	80.8	10.3
	230.0	84.4	169.0	4.106	4.369	0.655	755.8	671	23.31	0.186	18.4	80.0	10.3
	230.0	80.7	168.8	4.212	4.498	0.652	767.8	624	21.23	0.158	15.3	79.2	10.2
	230.0	77.1	168.8	4.308	4.613	0.650	777.2	573	19.19	0.131	12.6	78.4	10.2
	230.0	74.0	169.1	4.390	4.713	0.652	785.8	521	17.04	0.106	10.0	77.8	10.2
	230.0	70.7	169.4	4.456	4.799	0.649	790.3	467	15.28	0.085	8.0	77.1	10.2
	230.0	67.7	170.2	4.499	4.860	0.650	792.5	413	14.10	0.069	6.5	76.6	10.1
	230.0	64.8	171.6	4.535	4.909	0.654	797.9	356	13.78	0.058	5.5	76.5	10.1
	230.0	61.5	173.8	4.574	4.961	0.662	803.9	300	13.64	0.049	4.5	76.4	10.1
	230.0	59.2	175.0	4.616	5.015	0.668	809.4	235	11.81	0.033	3.0	76.2	10.1
	230.0	56.9	176.6	4.654	5.068	0.677	815.7	160	10.88	0.021	1.9	76.2	10.2
	230.0	54.5	178.4	4.672	5.101	0.686	817.0	97	8.37	0.010	0.9	76.0	10.2

DRAWING NO. PAGE 17 of 20 REV.
5RHT9BH -

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

Performance Data



Performance Data



5RHT9BH

REV.
-

Dayton Manufacturing Company

Motor Description

Model: 5RHT9BH
Motor ID: 1
Poles: 6
Volts: 208/230
Frequency: 60
HP: 3/4 - 1/5
Speed: 1075/4SOD
Phase: 1
Protector: 7A1010

Test Conditions

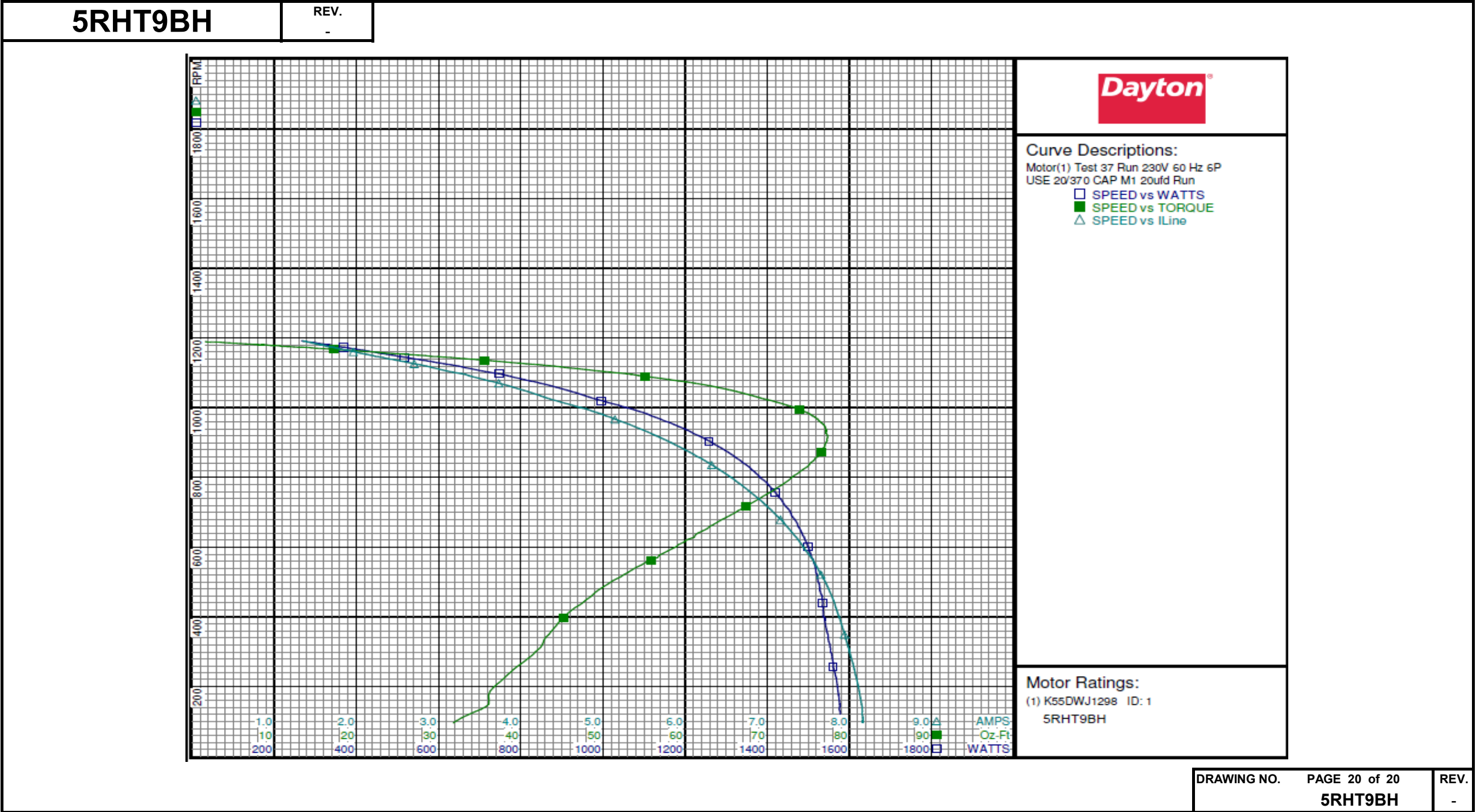
Test Type: Run
Test Number: 37
Poles: 6
Volts: 230
Hz: 60
Rotation:
Special Cond: USE 20/370 CAP
Speed Conn: M1
TestBoard: Amps Performance Fixture #4
Run Cap: 20
Start Cap: 0µfd
Environment:
Tested: 4/23/2014 12:18:15 PM
Tested By: Sharp, Gerald
Gear Ratio: 1:1
Bearing Friction: -0.09 Oz-Ft
Windage Torque: -0.34 Oz-Ft

Special Points	Vline (V)	Vaux (V)	Iline (A)	Imain (A)	Iaux (A)	Watts	RPM	Tq(Oz-ft)	HP	Eff (%)	PF (%)
	230.0	229.8	1.349	2.595	2.907	266.9	1192	0.00	0.000	0.0	86.0
	230.0	229.9	1.443	2.480	2.890	297.1	1187	3.81	0.054	13.5	89.5
	230.0	229.9	1.568	2.357	2.868	332.2	1181	8.39	0.118	26.5	92.1
	230.0	230.0	1.705	2.242	2.842	369.4	1173	13.24	0.185	37.4	94.2
	230.0	230.0	1.878	2.138	2.807	414.0	1165	18.60	0.258	46.5	95.8
	230.0	230.0	2.064	2.070	2.759	460.9	1156	24.31	0.334	54.1	97.1
	230.0	229.8	2.292	2.068	2.692	515.8	1145	30.68	0.418	60.5	97.9
	230.0	230.0	2.557	2.144	2.625	579.3	1133	37.18	0.502	64.6	98.5
	230.0	230.1	2.857	2.287	2.559	649.4	1119	44.09	0.587	67.5	98.8
	230.0	230.0	3.285	2.595	2.473	746.9	1097	52.89	0.691	69.0	98.8
	230.0	229.9	3.498	2.792	2.430	795.7	1084	57.02	0.736	69.0	98.9
0.75 HP	230.0	229.9	3.570	2.857	2.417	811.7	1079	58.36	0.750	68.9	98.9
1075 RPM	230.0	229.9	3.648	2.932	2.402	829.3	1075	59.76	0.765	68.8	98.8
	230.0	230.0	3.968	3.271	2.342	899.8	1054	64.75	0.813	67.4	98.6
	230.0	230.3	4.418	3.792	2.258	996.2	1020	70.40	0.855	64.0	98.0
	230.0	230.2	4.924	4.421	2.180	1097.8	986	74.80	0.878	59.7	96.9
	230.0	230.1	5.383	4.998	2.112	1184.9	946	77.02	0.867	54.6	95.7
BDT OZ-FT	230.0	230.2	5.691	5.404	2.071	1241.3	915	77.35	0.842	50.6	94.8
	230.0	230.2	5.786	5.529	2.059	1258.4	904	77.28	0.832	49.3	94.6
	230.0	230.3	6.147	6.016	2.017	1320.7	859	76.14	0.779	44.0	93.4
	230.0	230.2	6.491	6.486	1.984	1373.5	811	73.68	0.711	38.6	92.0
	230.0	230.2	6.804	6.923	1.960	1420.2	756	70.25	0.632	33.2	90.8
	230.0	230.3	7.054	7.277	1.945	1454.3	704	66.46	0.557	28.6	89.6
	230.0	230.1	7.262	7.575	1.936	1479.1	653	62.67	0.487	24.6	88.6
	230.0	230.4	7.436	7.832	1.930	1500.1	600	58.85	0.421	20.9	87.7
	230.0	230.3	7.592	8.064	1.929	1515.8	548	54.64	0.357	17.5	86.8
	230.0	230.4	7.717	8.263	1.929	1526.4	495	50.71	0.299	14.6	86.0
	230.0	230.4	7.819	8.426	1.932	1535.2	440	47.50	0.249	12.1	85.4
	230.0	230.2	7.900	8.568	1.939	1541.1	381	44.52	0.202	9.8	84.8
	230.0	230.2	7.975	8.690	1.957	1552.1	321	42.64	0.163	7.8	84.6
	230.0	230.0	8.050	8.811	1.975	1560.1	257	39.57	0.121	5.8	84.3
	230.0	230.3	8.118	8.924	1.995	1572.1	186	36.26	0.080	3.8	84.2
	230.0	230.3	8.160	9.007	2.013	1577.8	119	33.58	0.047	2.2	84.1

DRAWING NO. PAGE 19 of 20 REV.
5RHT9BH -

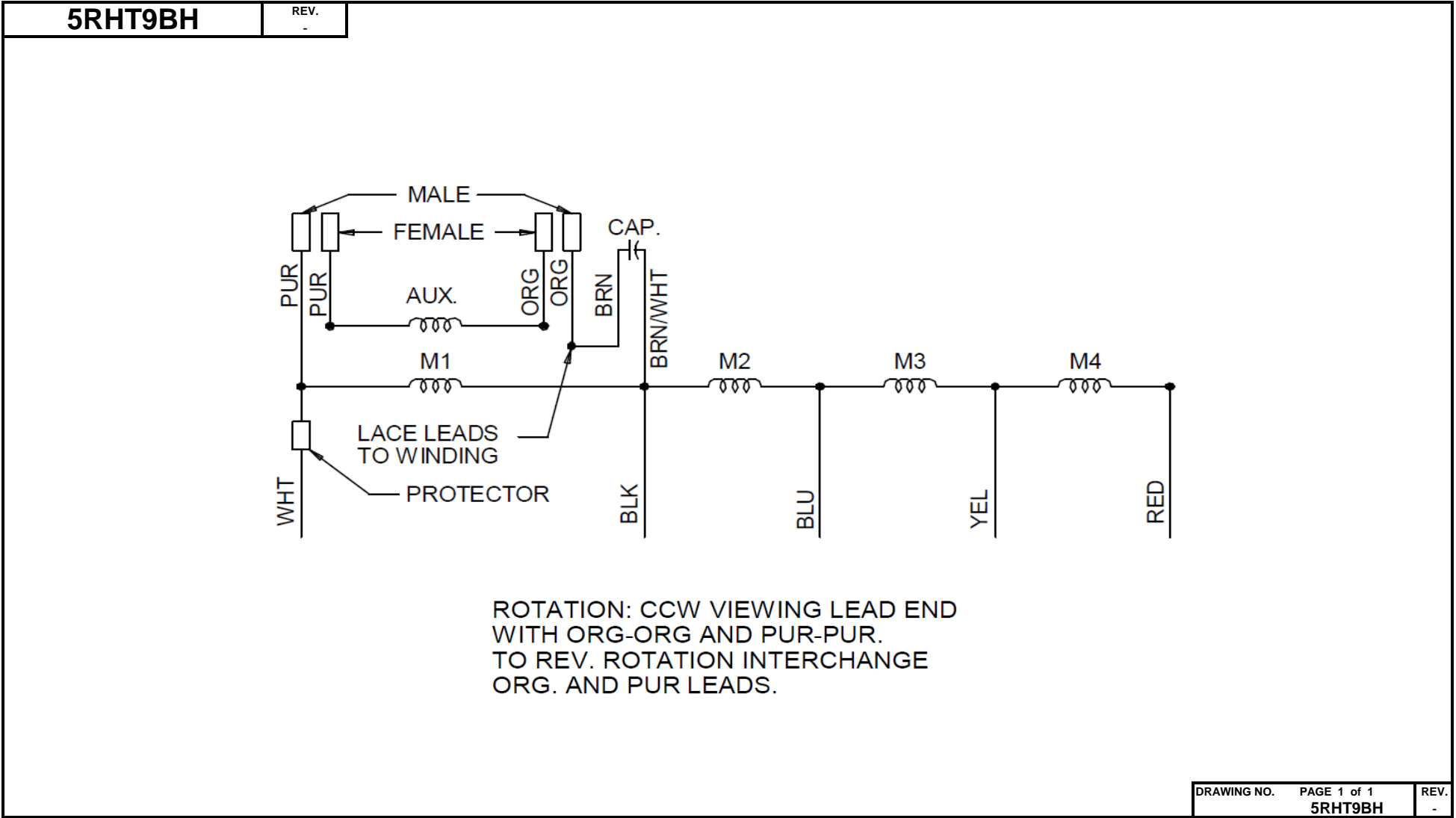
Dayton Electric Mfg. Co. Lake Forest, IL 60045 USA

Performance Data



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

Wiring Diagram



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



DIRECT DRIVE BLOWER MOTOR

HP: SEE TABLE VOLTS: 208-230 HZ: 60 PH: 1 SF: 1.0

RPM: 1075 / 4SPD INS CL: B AMPS: SEE TABLE SFA:

ENCL: OAO DUTY: CONT AMB: 60 °C KVA CODE:

[BAR CODE]

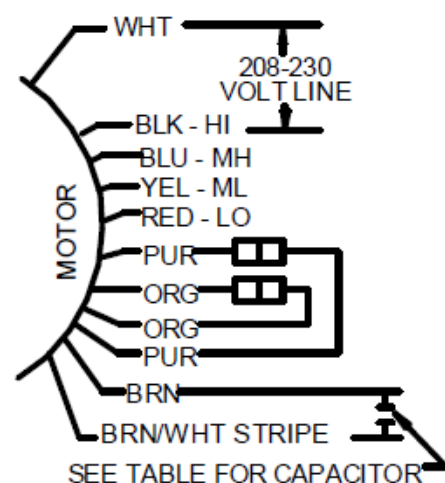
FR: 48YZ MFG. NO. PROT. CODE: 7A010 AVG. F.L. EFF.

MTR REF: K55HXDWJ-2379 THERMALLY PROTECTED: AUTO

ROTATION: CCW Lead End Rev CAPACITOR: See Table Below

Part No: 5RHT9BH

TO REVERSE ROTATION
INTERCHANGE ORG AND PUR LEADS




E37403



258501

MOTOR	CAPACITOR	COOL	HEAT	FLA
3/4 HP	20/370	HI	MED- HI	4.1
1/2 HP	10/370	HI	MED- LOW	3.7
1/3 HP	10/370	MED- HI	MED- LOW	2.5
1/4 HP	10/370	MED- LOW	LOW	1.8
1/5 HP	10/370	LOW	LOW	1.7

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

Made In China