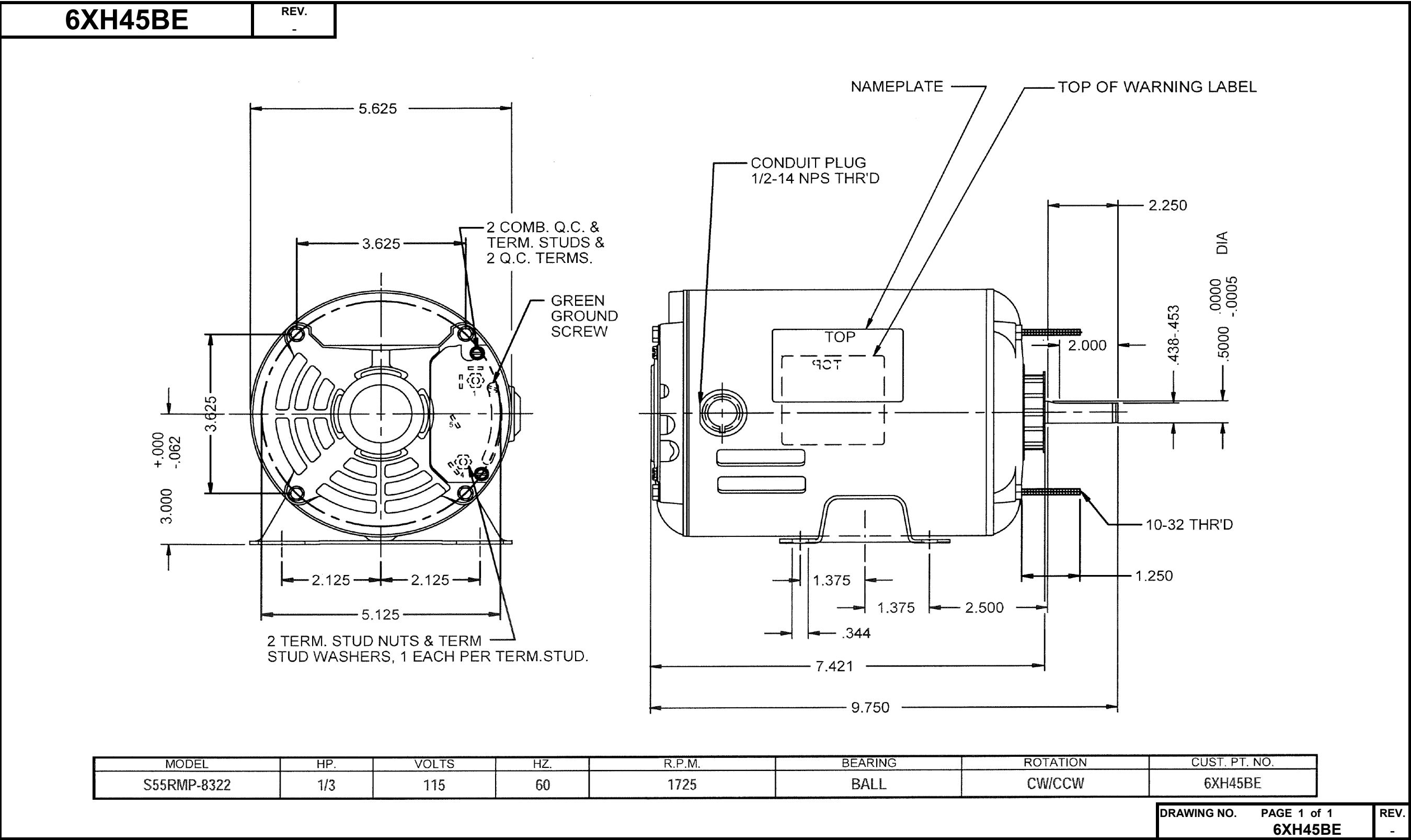


Dimensional Drawing



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

6XH45BE

 REV.
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SPLIT-PHASE & CAPACITOR START MOTOR PERFORMANCE

HP:	1/3							
Poles:	4							
Ambient (°C):	40							
Altitude (FASL):								
No. of Speeds:	1							
Volts:	115	115	208	230	277	460	100	200
HZ:	60	60	60	60	60	60	50	50
Service Factor:	1.35							
Efficiency:	@ Rated Load	54.30						
Power Factor:	@ Rated Load	56.70						
Amps:	@ No Load	6.51						
	@ Rated Load	7.01						
	@ Service Factor	7.86						
	@ Locked Rotor	53.84						
RPM:	@ Rated Load	1747						
Torques:	Breakdown	46.3						
	Locked Rotor	39.89						
	Pull-Up	34.94						
	Rated Load	16.01						
	Service Factor	21.94						
Watts:	Rated Load	457						
KVA Code:								
Temperature Rise:	@ Rated Load	56.00						
	@ Service Factor	63.10						
Thermal Protector:	Trip Temp (°C)	117.70						
Winding Material:	Start (Auxiliary)	Al						
	Run (Main)	Al						
Capacitor(s):	Start (MFD / Volts)	N/A						
	No. of Start Capacitors	N/A						
	Run (MFD / Volts)	N/A						
	No. of Run Capacitors	N/A						

LOW SPEED PERFORMANCE DATA:

HP:								
Poles:								
Volts:		120	208	230	277	460	100	200
HZ:		60	60	60	60	60	50	50
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
 6XH45BE

 REV.
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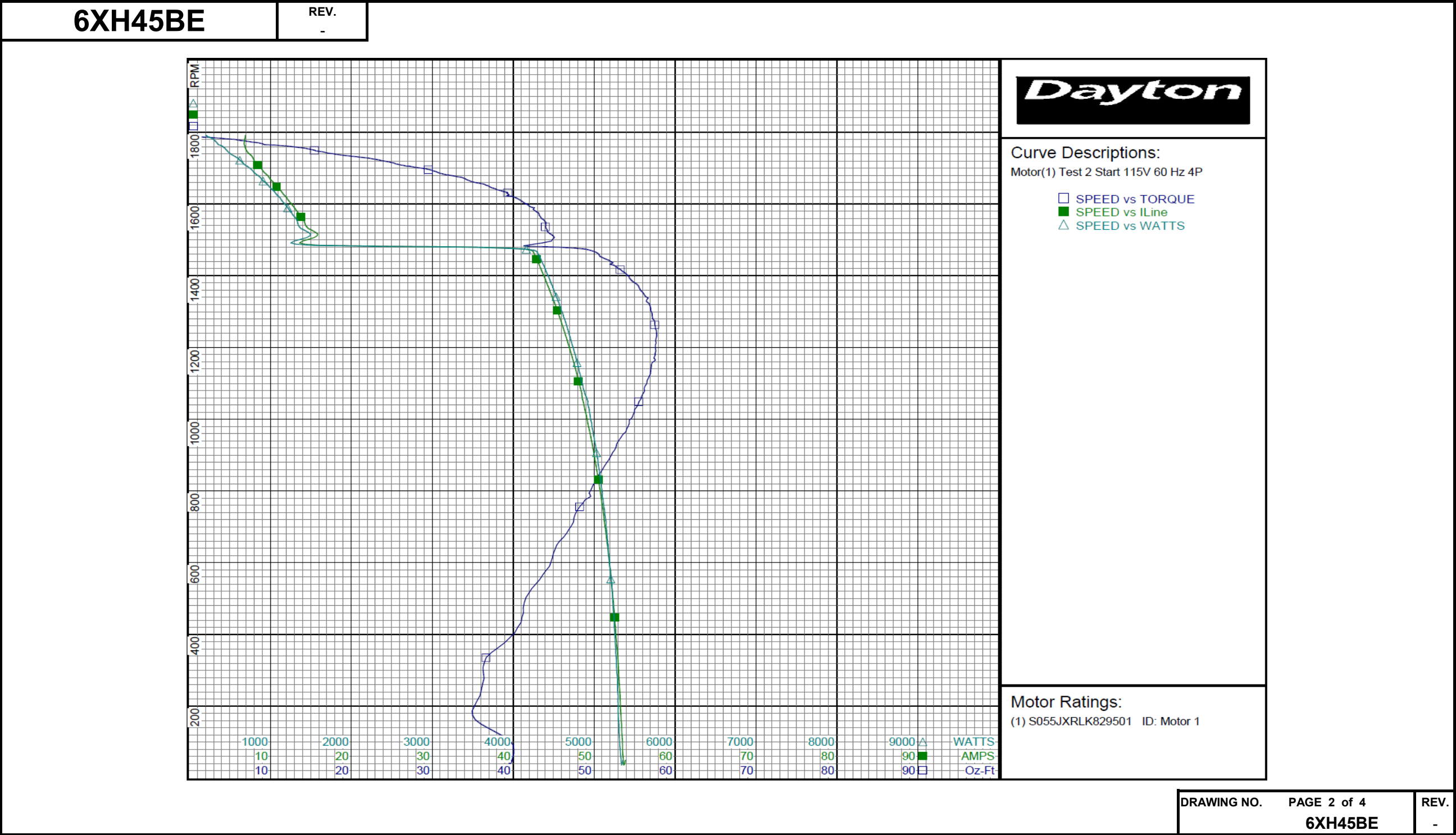
Performance Data



6XH45BE		REV. -											
Dayton Manufacturing Company													
Motor Description					Test Conditions								
Model:		S055JXRLK829501			Test Type:		Start		Run Cap:		0		
Motor ID:		Motor 1			Test Number:		2		Start Cap:		0μfd		
Poles:		4			Poles:		4						
Volts:		115			Volts:		115		Tested:		1/18/2012 1:39:57 PM		
Frequency:		60			Hz:		60						
HP:		1/3			Rotation:				Gear Ratio:		1:1		
Speed:		1725			Special Cond:				Bearing Friction:		-0.66 Oz-Ft		
Phase:		1			Speed Conn:				Windage Torque:		-1.94 Oz-Ft		
Protector:		CEJ51CY			TestBoard:		Amps Performance		Fixture #4				
Special Points		Vline	Iline	Watts	Speed	Tq (Oz-ft)	HP	Eff (%)	PF (%)				
		115.0	53.84	5350	47	39.89	0.022	0.3	86.4				
		115.0	53.60	5334	51	39.88	0.024	0.3	86.5				
		115.0	53.31	5298	174	34.99	0.072	1.0	86.4				
PUT OZ-FT		115.0	53.28	5295	186	34.94	0.078	1.1	86.4				
		115.0	52.93	5274	335	36.66	0.146	2.1	86.6				
		115.0	52.40	5230	488	41.38	0.241	3.4	86.8				
		115.0	51.75	5179	625	44.96	0.334	4.8	87.0				
		115.0	51.10	5130	745	47.89	0.425	6.2	87.3				
		115.0	50.38	5069	851	50.79	0.515	7.6	87.5				
		115.0	49.60	5001	949	53.31	0.602	9.0	87.7				
		115.0	48.79	4931	1034	55.26	0.680	10.3	87.9				
		115.0	48.02	4838	1113	56.67	0.751	11.6	87.6				
		115.0	47.16	4761	1183	57.53	0.810	12.7	87.8				
BDT OZ-FT		115.0	46.45	4693	1235	57.73	0.849	13.5	87.9				
		115.0	46.30	4679	1246	57.70	0.856	13.6	87.9				
		115.0	45.43	4593	1303	56.98	0.884	14.4	87.9				
		115.0	44.59	4511	1354	55.96	0.902	14.9	88.0				
		115.0	43.75	4427	1401	54.10	0.902	15.2	88.0				
		115.0	42.97	4348	1443	51.79	0.890	15.3	88.0				
		115.0	35.53	3480	1479	45.67	0.804	17.2	85.2				
		115.0	15.85	1497	1515	44.67	0.806	40.1	82.1				
		115.0	14.02	1317	1558	43.57	0.808	45.8	81.7				
		115.0	12.90	1208	1591	42.22	0.800	49.4	81.4				
		115.0	11.96	1111	1618	40.11	0.773	51.9	80.8				
		115.0	11.05	1010	1642	37.78	0.739	54.6	79.5				
		115.0	10.19	912	1664	34.69	0.687	56.2	77.9				
		115.0	9.43	817	1684	31.27	0.627	57.2	75.3				
		115.0	8.76	726	1703	27.66	0.561	57.6	72.1				
		115.0	8.02	634	1720	23.91	0.489	57.6	68.8				
8 AMPS		115.0	8.00	630	1721	23.71	0.486	57.5	68.4				
1725 RPM		115.0	7.90	608	1725	22.70	0.466	57.2	67.0				
0.45 HP		115.0	7.84	592	1728	21.87	0.450	56.7	65.6				
		115.0	7.54	526	1737	18.49	0.382	54.2	60.7				
0.333 HP		115.0	7.11	472	1746	16.02	0.333	52.6	57.8				
		115.0	6.93	439	1755	14.17	0.296	50.3	55.1				
		115.0	6.75	339	1770	8.53	0.180	39.5	43.7				
		115.0	6.89	233	1787	1.21	0.026	8.2	29.4				
		115.0	6.88	206	1791	0.00	0.000	0.0	26.1				
DRAWING NO.										PAGE 1 of 4		REV.	
6XH45BE													

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

Performance Data



Performance Data



6XH45BE		REV. -							
Dayton Manufacturing Company									
Motor Description					Test Conditions				
Model: S055JXRLK829501		Test Type: Run		Run Cap: 0					
Motor ID: Motor 1		Test Number: 4		Start Cap: 0µfd					
Poles: 4		Poles: 4		Tested: 1/18/2012 1:39:07 PM					
Volts: 115		Volts: 115							
Frequency: 60		Hz: 60		Gear Ratio: 1:1					
HP: 1/3		Rotation:							
Speed: 1725		Special Cond:		Bearing Friction: -0.43 Oz-Ft					
Phase: 1		Speed Conn:		Windage Torque: -1.84 Oz-Ft					
Protector: CEJ51CY		TestBoard:		Amps Performance Fixture #4					
Special Points	Vline	Iline	Watts	Speed	Tq (Oz-ft)	HP	Eff (%)	PF (%)	
	115.0	6.89	204	1788	0.00	0.000	0.0	25.7	
	115.0	6.78	263	1775	4.04	0.085	24.2	33.7	
	115.0	6.70	331	1764	8.58	0.180	40.6	43.0	
	115.0	6.86	423	1751	14.32	0.299	52.7	53.6	
0.333 HP	115.0	7.01	457	1747	16.01	0.333	54.3	56.7	
	115.0	7.37	517	1736	18.92	0.391	56.5	60.9	
1725 RPM	115.0	7.80	573	1725	21.50	0.442	57.4	64.0	
0.45 HP	115.0	7.86	584	1723	21.94	0.450	57.5	64.6	
8 AMPS	115.0	8.00	613	1717	23.76	0.486	59.1	66.6	
	115.0	8.00	613	1717	23.79	0.486	59.1	66.6	
	115.0	8.79	745	1700	29.46	0.596	59.7	73.7	
	115.0	9.68	856	1677	33.67	0.672	58.6	76.9	
	115.0	10.78	983	1652	37.88	0.745	56.5	79.3	
	115.0	11.95	1111	1623	41.36	0.799	53.7	80.8	
	115.0	13.14	1235	1591	43.86	0.831	50.2	81.7	
	115.0	14.60	1373	1549	45.75	0.844	45.8	81.8	
	115.0	15.57	1462	1515	46.20	0.833	42.5	81.7	
BDT OZ-FT	115.0	15.94	1495	1501	46.28	0.827	41.3	81.6	
	115.0	16.73	1562	1470	45.99	0.805	38.4	81.2	
	115.0	17.84	1652	1423	44.92	0.761	34.4	80.5	
	115.0	18.84	1728	1373	43.22	0.706	30.5	79.8	
	115.0	19.72	1789	1322	41.24	0.649	27.1	78.9	
	115.0	20.53	1842	1267	38.74	0.584	23.7	78.0	
	115.0	21.25	1886	1211	36.12	0.521	20.6	77.2	
	115.0	21.90	1925	1152	33.31	0.457	17.7	76.4	
	115.0	22.50	1959	1090	30.45	0.395	15.1	75.7	
	115.0	23.02	1983	1025	27.44	0.335	12.6	74.9	
	115.0	23.50	2008	955	24.44	0.278	10.3	74.3	
	115.0	23.97	2028	881	21.16	0.222	8.2	73.6	
	115.0	55.85	5548	866	54.10	0.558	7.5	86.4	
	115.0	53.23	5313	808	50.76	0.488	6.9	86.8	
	115.0	53.48	5343	699	47.70	0.397	5.5	86.9	
	115.0	53.74	5358	586	44.85	0.313	4.4	86.7	
	115.0	53.88	5368	475	41.54	0.235	3.3	86.6	
	115.0	53.91	5362	359	38.17	0.163	2.3	86.5	
	115.0	53.85	5350	242	36.65	0.105	1.5	86.4	
	115.0	53.69	5335	123	37.90	0.055	0.8	86.4	

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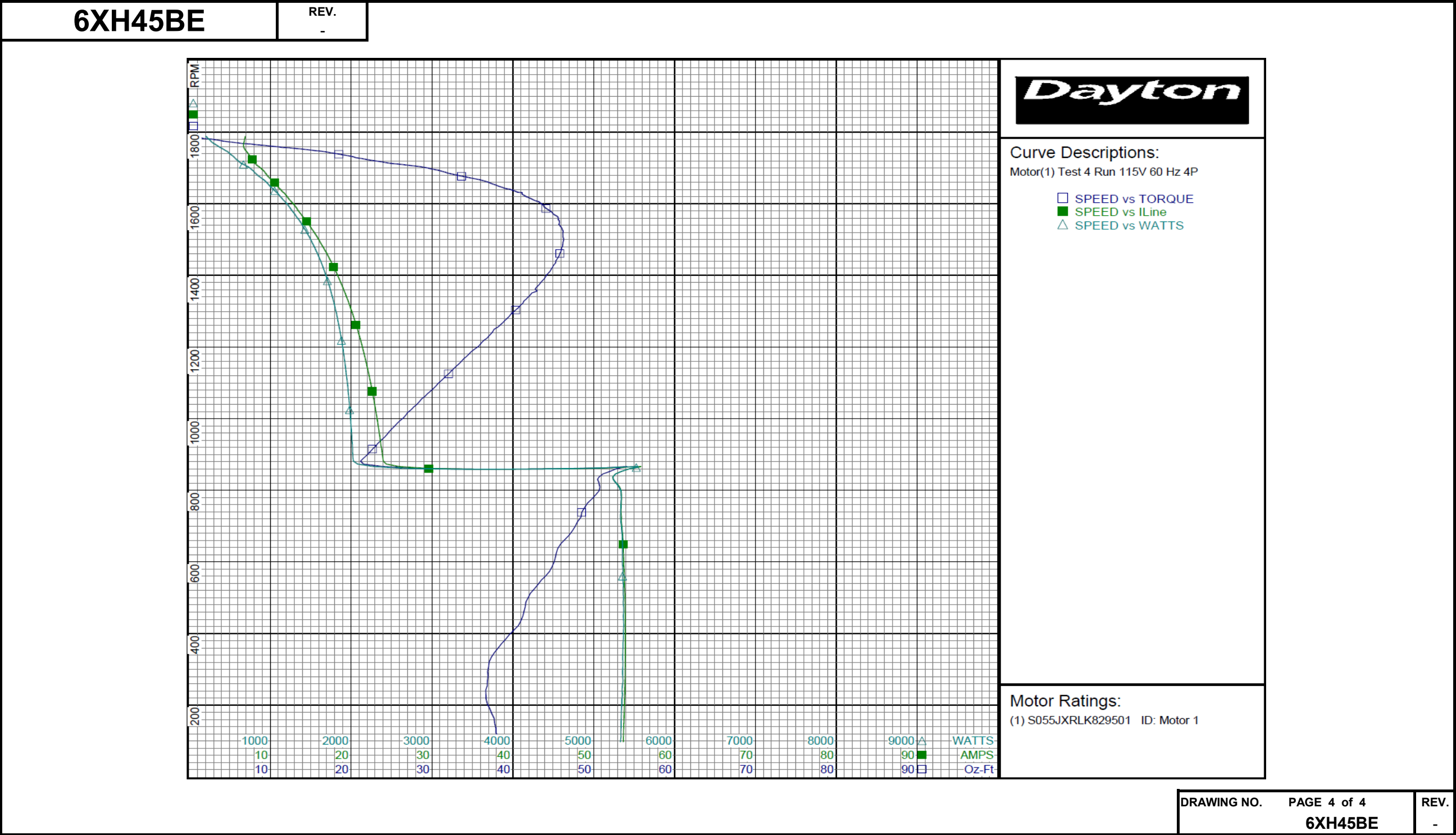
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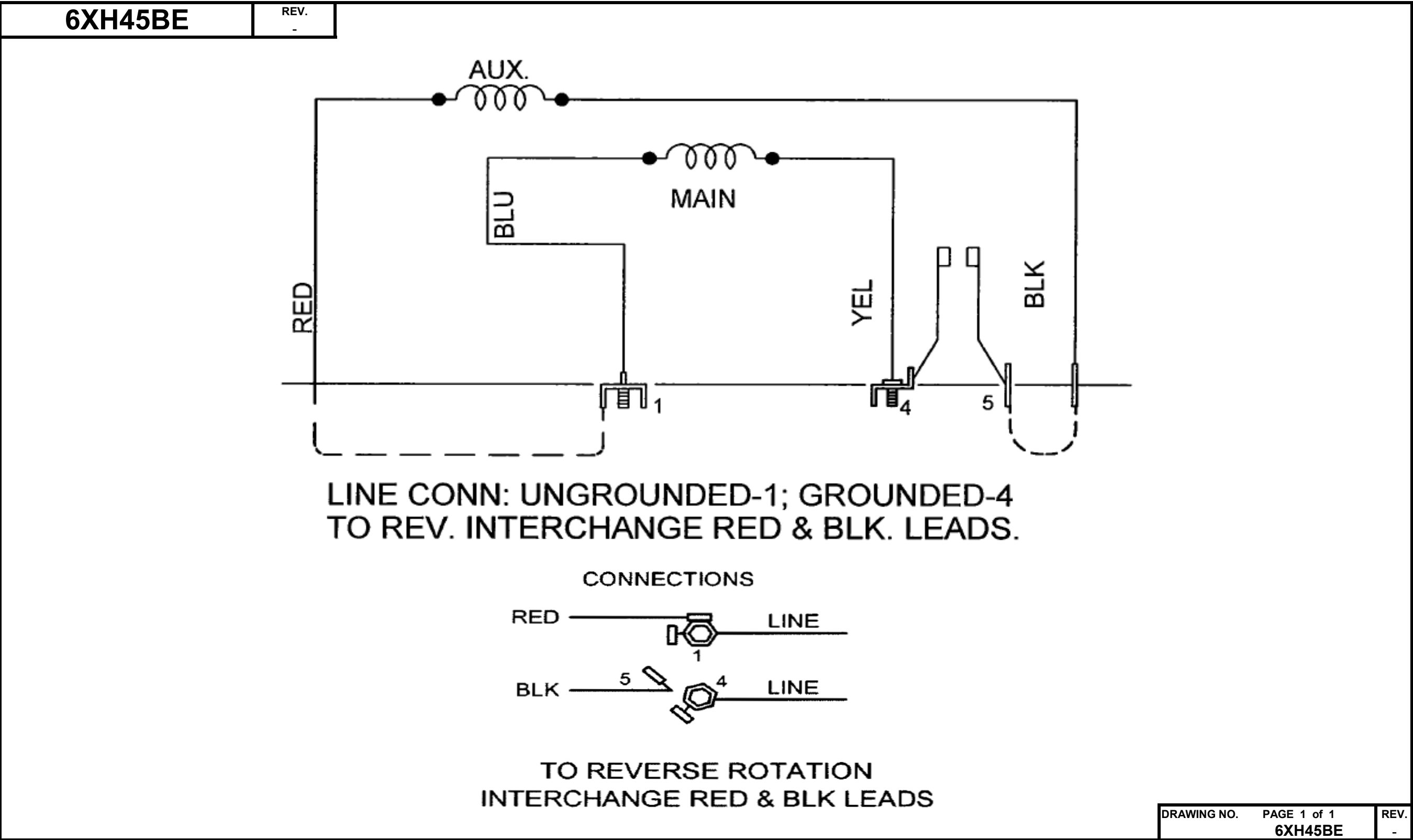
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6XH45BE		-

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

Performance Data



Wiring Diagram



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



Part
No

6XH45BE



SPLIT PHASE MOTOR

HP: 1/3

VOLTS: 115

AMPS: 7.0

RPM: 1725

DUTY: CONT

SF: 1.35

KVA CODE: P

MTR REF: S55RMP-8322

THERMALLY PROTECTED: NONE

PROT. CODE



MFG. NO.



PH: 1

HZ: 60

FR: 48Z

INS CL: B

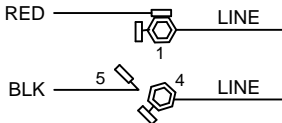
AMB: 40 °C

SFA: 7.8

ENCL: ODP

**Disconnect Power Before Making
Any Electrical Connections or Changes**

CONNECTIONS



**TO REVERSE ROTATION
INTERCHANGE RED & BLK LEADS**



258501



E47479

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

Made in Mexico