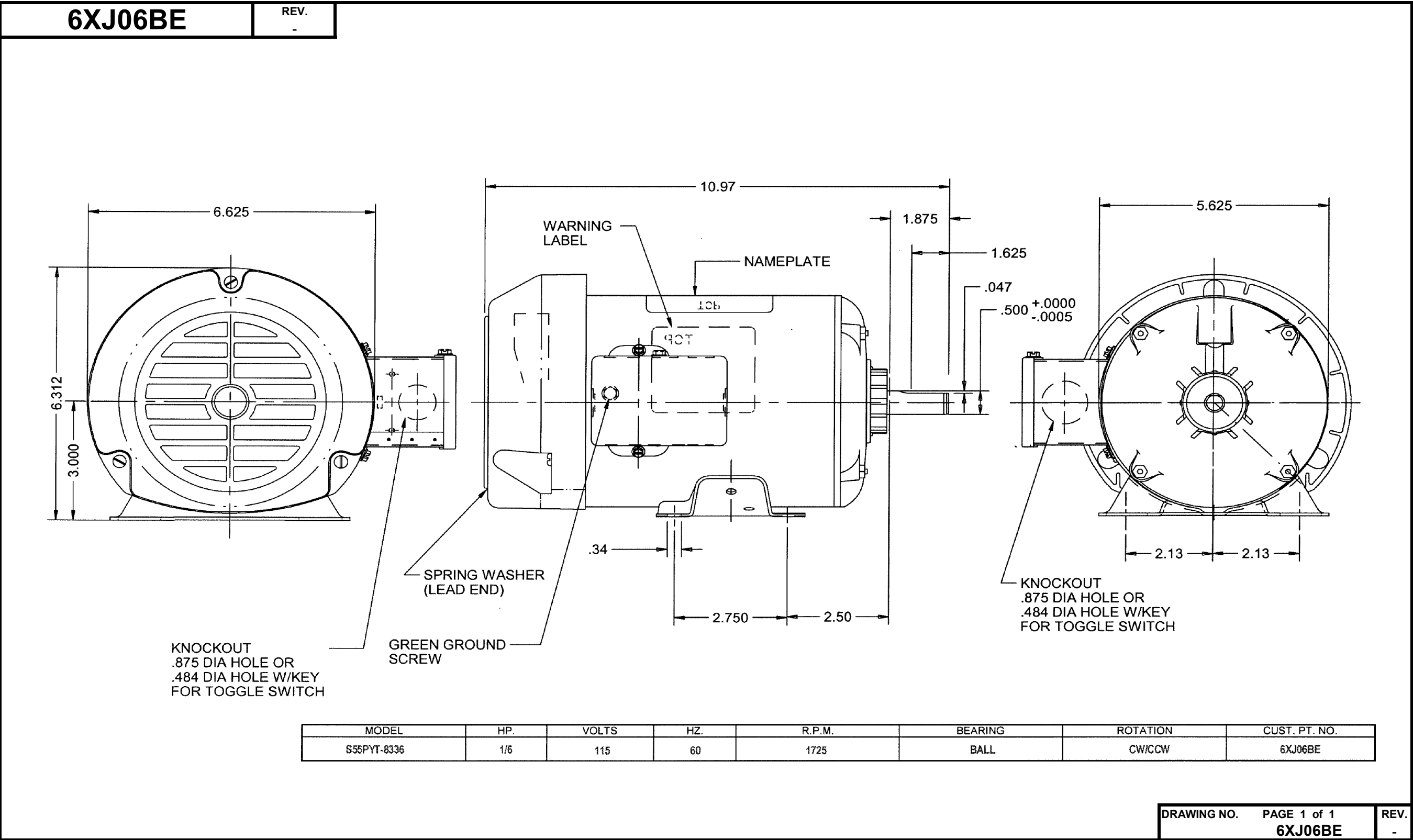


Dimensional Drawing



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



6XJ06BE

REV.
-

MOTOR PERFORMANCE

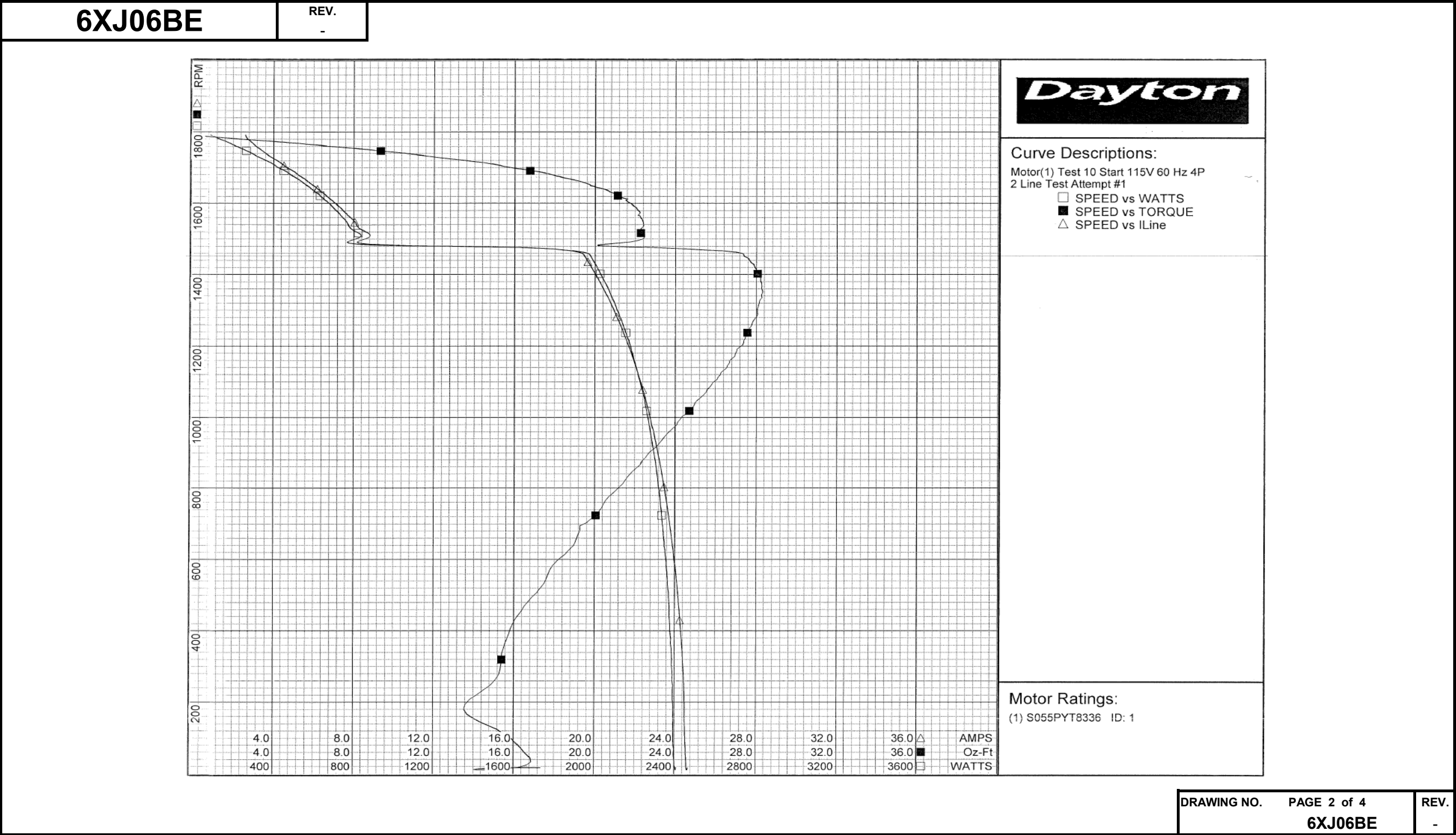
HP:	1/6 HP							
Poles:	4P							
No. of Speeds:	1							
Volts:	115	115						
HZ:	60	60						
Service Factor:	1							
Efficiency:	@ Rated Load	54.1						
Power Factor:	@ Rated Load	63						
Amps:	@ No Load							
	@ Rated Load	3.2						
	@ Service Factor	N/A						
	@ Locked Rotor	24.68						
RPM:	@ Rated Load							
Ambient (°C):	40							
Altitude (FASL):								
Torques:	Breakdown	23.32						
	Locked Rotor	17.33						
	Pull-Up	13.53						
	Rated Load							
	Service Factor							
Watts:	Rated Load							
KVA Code:								
Temperature Rise:	@ Rated Load							
	@ Service Factor							
Thermal Protector:	Trip Temp (°C)							
Winding Material:	Start (Auxiliary)					Al		
	Run (Main)					Cu		
Capacitor(s):	Start (MFD / Volts)							
	No. of Start Capacitors							
	Run (MFD / Volts)							
	No. of Run Capacitors							
HP:								
Poles:								
Volts:								
HZ:								
Efficiency:	@ Rated Load							
Power Factor:	@ Rated Load							
Amps:	@ No Load							
	@ Rated Load							
	@ Service Factor							
	@ Locked Rotor							
Torques:	@ Rated Load							
	Locked Rotor							
	Pull-Up							
	Rated Load							
	Service Factor							
Watts:	@ Rated Load							
Temperature Rise:	@ Rated Load							
	@ Service Factor							

Performance Data



6XJ06BE		REV. -							
Dayton Manufacturing Company									
Motor Description					Test Conditions				
Model: S055PYT8336		Test Type: Start		Run Cap: 0					
Motor ID: 1		Test Number: 10		Start Cap: 0µfd					
Poles: 4		Poles: 4							
Volts: 115		Volts: 115		Tested: 4/12/2012 3:00:13 PM					
Frequency: 60		Hz: 60		Tested By: Sharp, Gerald					
HP: 1/6		Rotation:		Gear Ratio: 1:1					
Speed: 1725		Special Cond: 2 Line Test		Bearing Friction: -0.50 Oz-Ft					
Phase: 1		Speed Conn:		Windage Torque: -1.95 Oz-Ft					
Protector: NONE		TestBoard: Amtps Performance		Fixture #4					
Special Points	Vline (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)	
	115.0	24.68	2409	16	17.33	0.003	0.1	84.9	
	115.0	24.59	2401	33	16.88	0.007	0.2	84.9	
PUT OZ-FT	115.0	24.51	2393	180	13.53	0.029	0.9	84.9	
	115.0	24.51	2393	180	13.53	0.029	0.9	84.9	
	115.0	24.39	2385	336	15.41	0.062	1.9	85.0	
	115.0	24.19	2372	482	16.71	0.096	3.0	85.3	
	115.0	23.95	2352	615	18.53	0.136	4.3	85.4	
	115.0	23.66	2334	734	20.21	0.177	5.6	85.8	
	115.0	23.36	2311	840	21.76	0.218	7.0	86.0	
	115.0	23.01	2285	937	23.37	0.261	8.5	86.3	
	115.0	22.64	2255	1026	24.84	0.303	10.0	86.6	
	115.0	22.25	2223	1105	26.06	0.343	11.5	86.9	
	115.0	21.82	2187	1178	26.96	0.378	12.9	87.2	
	115.0	21.38	2150	1244	27.60	0.409	14.2	87.5	
	115.0	20.91	2108	1304	28.04	0.435	15.4	87.6	
	115.0	20.43	2066	1358	28.27	0.457	16.5	87.9	
	115.0	19.95	2022	1408	28.04	0.470	17.3	88.1	
	115.0	19.47	1979	1451	27.39	0.473	17.8	88.4	
	115.0	11.35	1094	1481	20.15	0.355	24.2	83.8	
	115.0	8.57	811	1520	22.35	0.405	37.2	82.2	
	115.0	7.82	744	1561	22.25	0.414	41.5	82.7	
	115.0	7.18	686	1595	21.86	0.415	45.1	83.1	
	115.0	6.57	626	1624	21.04	0.407	48.4	82.9	
	115.0	5.99	567	1649	19.75	0.388	51.0	82.3	
	115.0	5.43	508	1672	18.36	0.365	53.7	81.4	
	115.0	4.89	447	1694	16.58	0.334	55.7	79.6	
	115.0	4.36	387	1713	14.51	0.296	57.0	77.3	
	115.0	3.84	323	1731	11.89	0.245	56.7	73.0	
	115.0	3.40	260	1748	9.07	0.189	54.2	66.5	
	115.0	3.02	193	1765	5.69	0.119	46.1	55.7	
	115.0	2.69	123	1782	1.88	0.040	24.2	39.8	
	115.0	2.60	86	1792	0.00	0.000	0.0	28.8	
DRAWING NO. PAGE 1 of 4 REV.									
6XJ06BE									

Performance Data



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

Performance Data



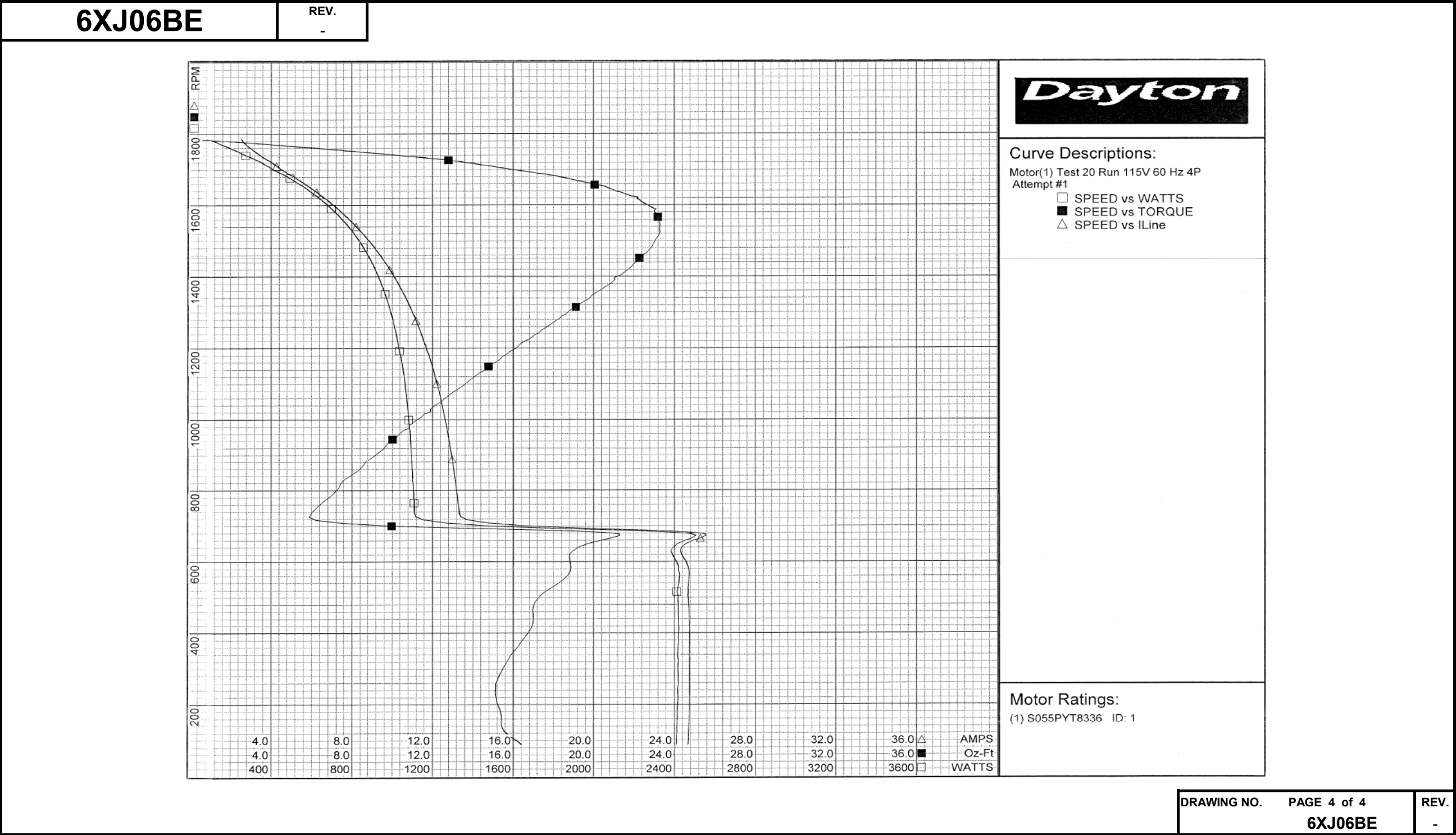
6XJ06BE		REV. -						
Dayton Manufacturing Company								
Motor Description				Test Conditions				
Model:	S055PYT8336			Test Type:	Run		Run Cap:	0
Motor ID:	1			Test Number:	20		Start Cap:	0µfd
Poles:	4			Poles:	4			
Volts:	115			Volts:	115		Tested:	4/12/2012 2:43:50 PM
Frequency:	60			Hz:	60		Tested By:	Sharp, Gerald
HP:	1/6			Rotation:			Gear Ratio:	1:1
Speed:	1725			Special Cond:			Bearing Friction:	-0.50 Oz-Ft
Phase:	1			Speed Conn:			Windage Torque:	-1.94 Oz-Ft
Protector:	NONE			TestBoard:	Amps Performance		Fixture #4	
Special Points	Vline (V)	Iline (A)	Watts	RPM	Tq (Oz-ft)	HP	Eff (%)	PF (%)
	115.0	2.54	84	1787	0.00	0.000	0.0	28.7
	115.0	2.74	149	1772	3.75	0.079	39.7	47.2
	115.0	3.10	217	1756	7.35	0.154	52.7	60.9
0.167 HP	115.0	3.18	230	1752	8.01	0.167	54.1	63.0
8.1 OZ-FT	115.0	3.19	232	1752	8.10	0.169	54.3	63.3
	115.0	3.55	291	1736	11.03	0.228	58.5	71.2
1725 RPM	115.0	3.90	337	1725	12.98	0.267	59.1	75.0
	115.0	4.16	367	1715	14.20	0.290	59.0	76.7
	115.0	4.77	442	1692	16.97	0.342	57.7	80.6
	115.0	5.51	522	1666	19.42	0.385	55.1	82.3
	115.0	6.26	599	1637	21.27	0.414	51.6	83.2
	115.0	6.98	671	1604	22.51	0.430	47.8	83.5
	115.0	7.69	736	1569	23.22	0.434	44.0	83.2
BDT OZ-FT	115.0	8.16	779	1544	23.32	0.429	41.1	83.0
	115.0	8.36	795	1533	23.25	0.424	39.8	82.7
	115.0	8.98	847	1492	22.95	0.408	35.9	82.0
	115.0	9.57	893	1448	22.23	0.383	32.0	81.1
	115.0	10.09	931	1402	21.28	0.355	28.4	80.2
	115.0	10.58	965	1352	20.06	0.323	25.0	79.3
	115.0	11.03	994	1299	18.69	0.289	21.7	78.4
	115.0	11.43	1019	1242	17.25	0.255	18.7	77.5
	115.0	11.82	1042	1181	15.62	0.220	15.7	76.7
	115.0	12.16	1060	1115	13.94	0.185	13.0	75.8
	115.0	12.46	1075	1044	12.24	0.152	10.6	75.0
	115.0	12.73	1088	970	10.56	0.122	8.4	74.3
	115.0	12.97	1097	888	8.86	0.094	6.4	73.6
	115.0	13.19	1105	801	7.22	0.069	4.6	72.9
	115.0	14.75	1269	708	7.54	0.064	3.7	74.8
	115.0	24.55	2414	649	19.64	0.152	4.7	85.5
	115.0	24.69	2422	540	18.25	0.117	3.6	85.3
	115.0	24.75	2422	413	16.87	0.083	2.6	85.1
	115.0	24.75	2420	284	15.32	0.052	1.6	85.0
	115.0	24.71	2413	150	15.41	0.027	0.8	84.9

DRAWING NO.	PAGE 3 of 4	REV.
6XJ06BE		-

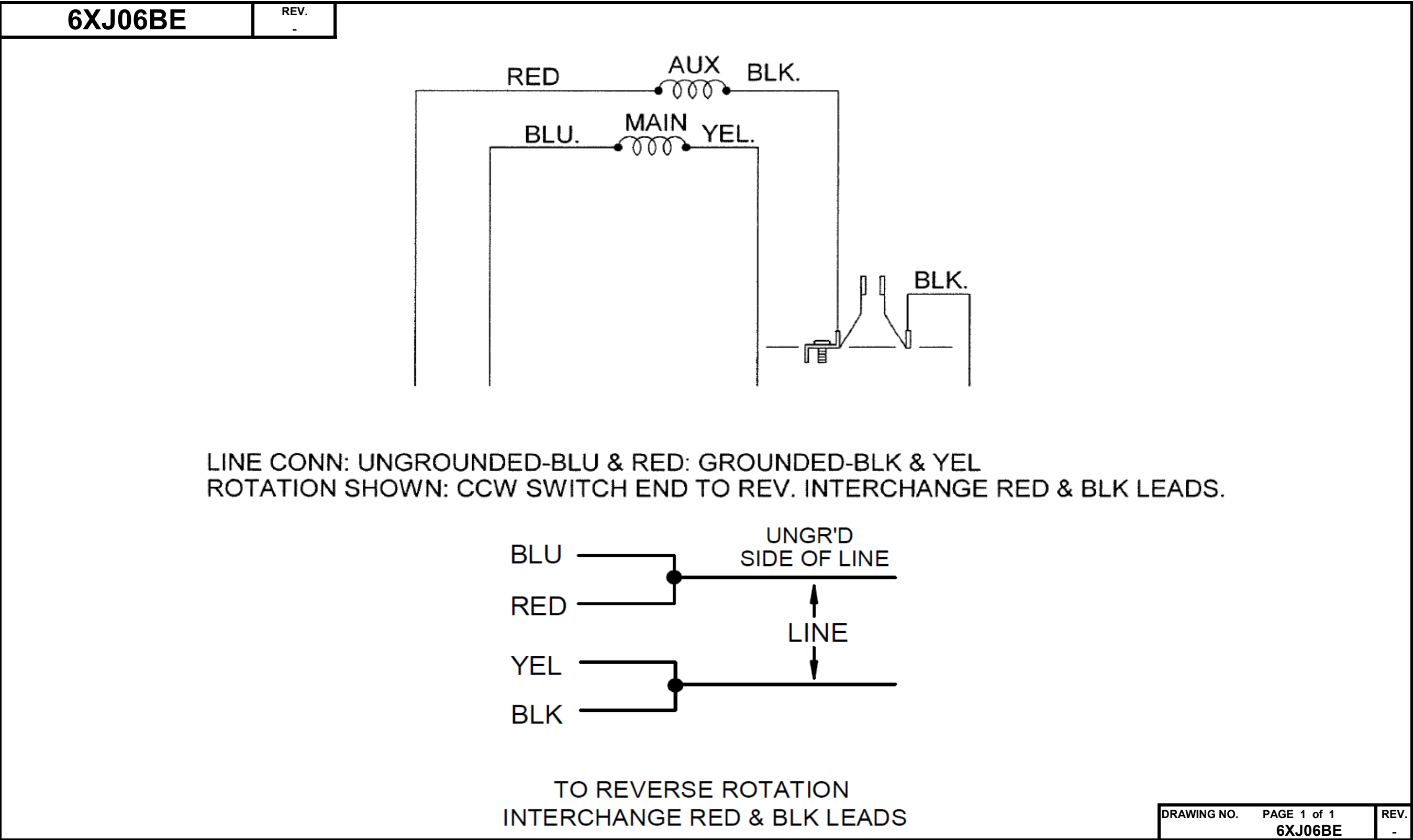
DRAWING NO.	PAGE 3 of 4	REV.
6XJ06BE		-

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

Performance Data



Wiring Diagram





Part
No

6XJ06BE



SPLIT PHASE MOTOR

HP: 1/6

PH: 1

VOLTS: 115

HZ: 60

AMPS: 3.2

FR: 48Z

RPM: 1725

INS CL: B

DUTY: CONT

AMB: 40 °C

SF: 1.0

SFA:

KVA CODE: S

ENCL: TEFC

MTR REF: S55PYT-8336

THERMALLY PROTECTED: NONE

PROT. CODE: ☐ ☐ MFG. NO. ☐ ☐

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

CONNECTIONS

BLU  LINE 1

RED

YEL  LINE 2

BLK

**TO REVERSE ROTATION
INTERCHANGE RED AND BLACK LEADS**



258501



E47479

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

Made in Mexico