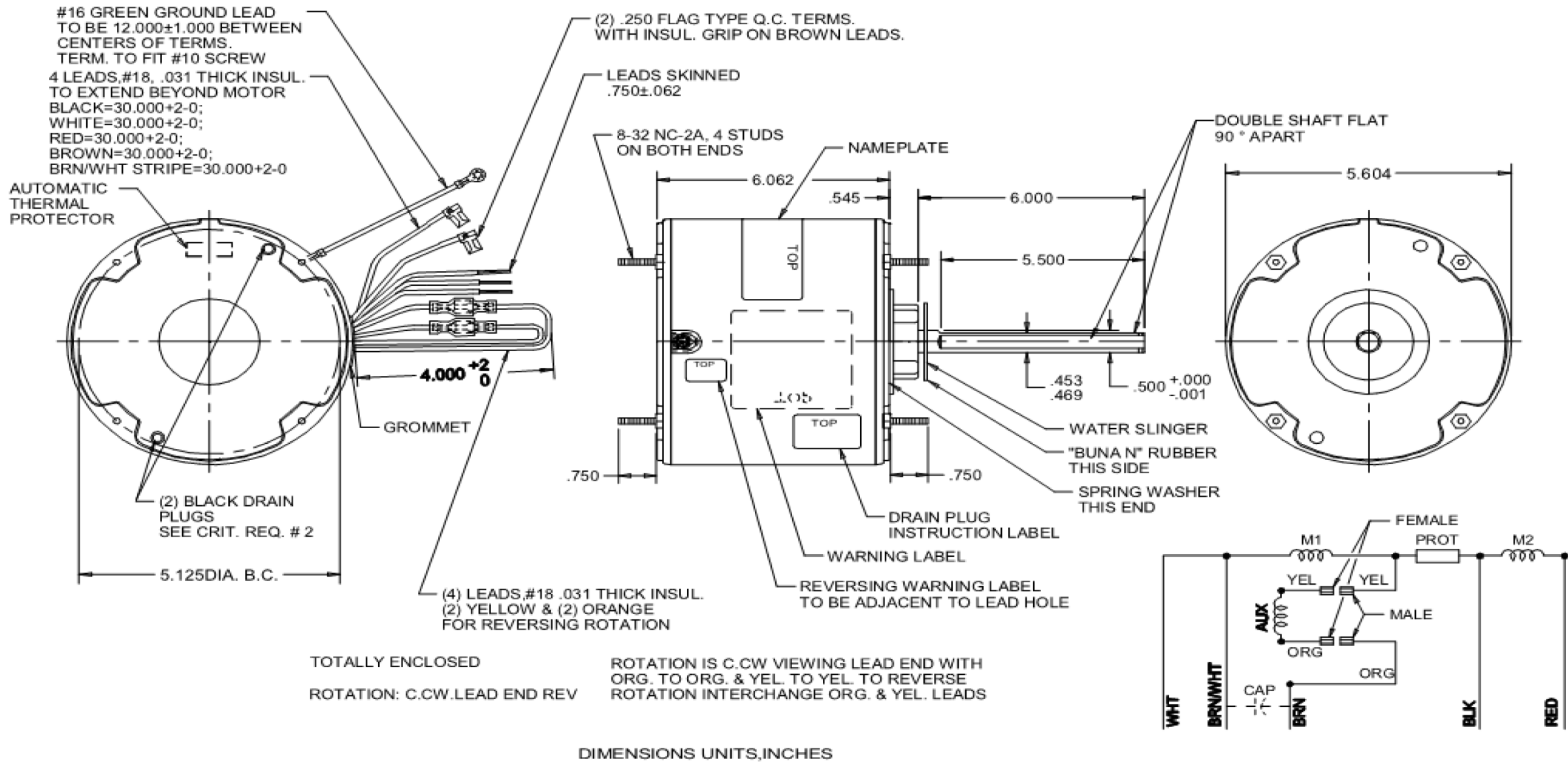


Dimensional Drawing



3M769BJ	REV. -
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MODEL	REF	CUSTOMER	HP	VOLTS	AMPS	HZ	RPM	ROTATION	CUSTOMER PN	DESCRIPTION / REMARKS
K55HXJYM-2342		DAYTON	3/4	208-230	4.7	60	1075	C.CW. LEAD END REV	3M769BJ	BALL BEARING



DRAWING NO.	PAGE 1 of 1	REV.
3M769BJ		-

Performance Data



3M769BJ

REV.
-

SHADED-POLE & PSC MOTOR PERFORMANCE

HP:	3/4							
Poles:	4							
Ambient (°C):	40							
Altitude (FASL):	1000							
No. of Speeds:	2							
HIGH SPEED								
Volts:	208-230	120	208	230	277	460	100	200
HZ:	60	60	60	60	60	60	50	50
Service Factor:	1							
Efficiency:	@ Rated Load		66.6	66.6				
Power Factor:	@ Rated Load		91.3	91.7				
Amps:	@ No Load							
	@ Rated Load		4.4	4.9				
	@ Locked Rotor							
RPM:	@ Rated Load		1075	1075				
Torques: Oz.Ft. / Lb.In. (Circle One)	Breakdown		66.4	83.4				
	Locked Rotor							
	Pull-Up							
	Rated Load		58.8	72.5				
	Service Factor		1	1				
Watts:	Rated Load		842	1039				
Temperature Rise:	@ Rated Load							
Thermal Protector:	Trip Temp (°C)		125~135	125~135				
Winding Material:	Start (Auxiliary)		Al	Al				
	Run (Main)		Cu	Cu				
Capacitor:	Run (MFD / Volts)	15.0 MFD 370 V						
	No. of Run Capacitors	1						
MEDIUM-HIGH SPEED								
HP:	3/4							
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							
	@ Locked Rotor							
Torques: Oz.Ft. / Lb.In. (Circle One)	Breakdown							
	Locked Rotor							
	Pull-Up							
	Rated Load							
Watts:	Rated Load							
Temperature Rise:	@ Rated Load							

DRAWING NO. PAGE 1 REV.
3M769BJ -

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

Performance Data

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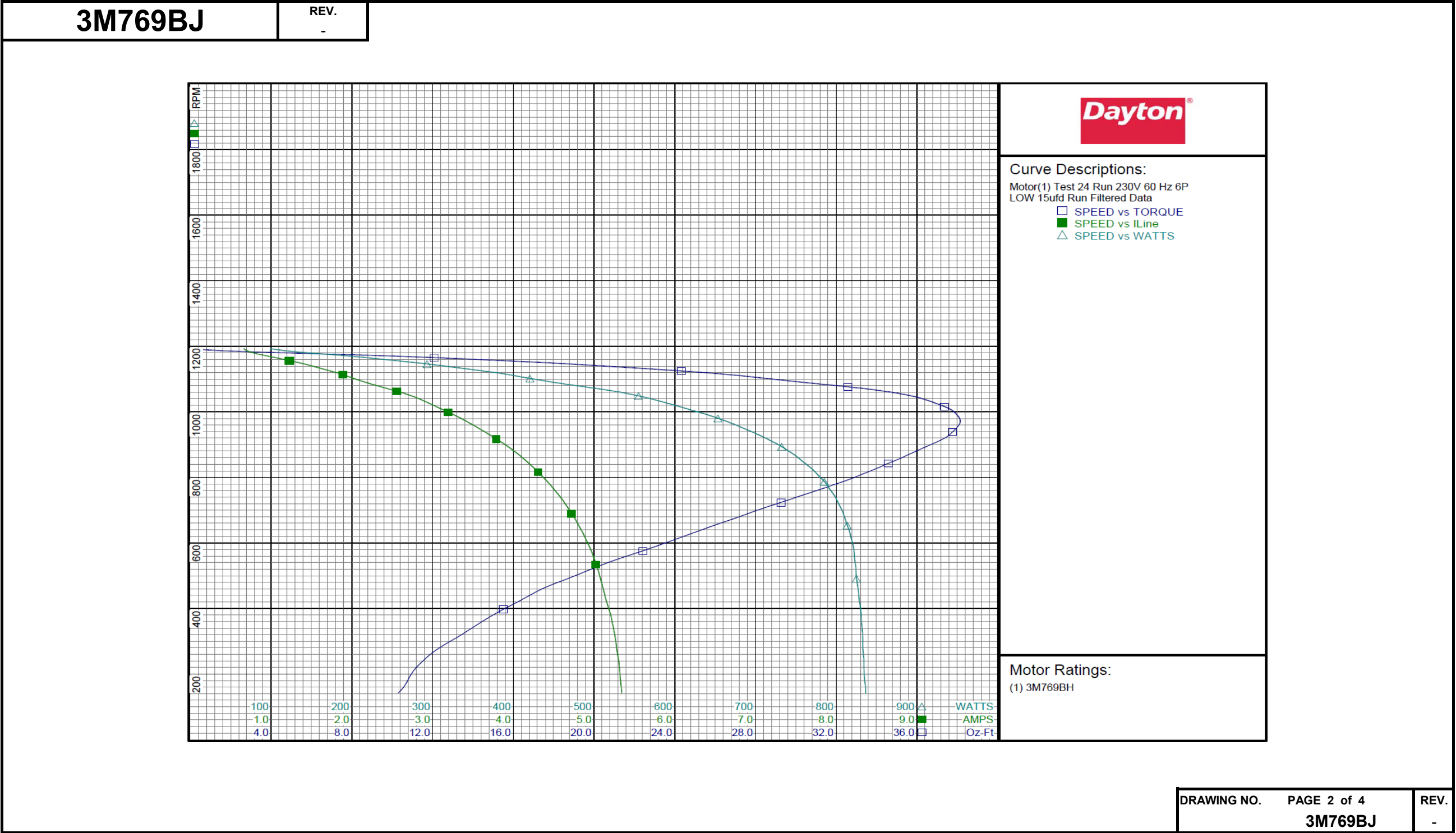
Performance Data



3M769BJ		REV. -											
Dayton Manufacturing Company													
Filtered													
Motor Description				Test Conditions									
Model: 3M769BJ		Test Type: Run		Run Cap: 15									
Motor ID:		Test Number: 24		Start Cap: 0µfd									
Poles: 6		Poles: 6		Environment:									
Volts: 208-230		Volts: 230		Tested: 12/18/2015 4:00:34 PM									
Frequency: 60		Hz: 60		Tested By: Liu, Bingmin									
HP: 3/4		Rotation:		Gear Ratio: 1:1									
Speed: 1075		Special Cond:		Bearing Friction: -0.40 Oz-Ft									
Phase: 1		Speed Conn: LOW		Windage Torque: -1.75 Oz-Ft									
Protector: 7AM033-A5		TestBoard: NMQC Plotter		Fixture #1									
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	184.0	275.8	0.662	1.674	1.581	99.3	1192	0.00	0.000	0.0	0.0	15.2
	230.0	183.1	273.8	0.692	1.633	1.569	113.1	1187	1.15	0.016	10.0	0.0	15.2
	230.0	179.8	261.5	0.857	1.498	1.492	170.8	1175	7.36	0.103	44.1	0.0	15.1
	230.0	177.1	248.0	1.100	1.483	1.401	227.9	1163	13.04	0.181	60.3	0.0	15.0
	230.0	174.8	239.1	1.357	1.564	1.343	282.3	1149	17.85	0.244	64.8	0.0	14.9
	230.0	170.5	231.4	1.596	1.688	1.297	333.5	1134	22.05	0.298	66.6	0.0	14.9
	230.0	165.3	223.6	1.825	1.852	1.257	381.4	1118	25.73	0.342	67.0	0.0	14.9
	230.0	160.7	216.6	2.020	2.022	1.217	420.6	1102	28.52	0.374	66.4	0.0	14.9
	230.0	155.4	209.1	2.251	2.242	1.177	466.4	1084	31.34	0.404	64.7	0.0	14.9
1075 RPM	230.0	152.6	205.5	2.377	2.364	1.159	491.3	1075	32.76	0.419	63.7	0.0	15.0
	230.0	149.0	201.1	2.530	2.516	1.138	520.4	1064	34.17	0.433	62.1	0.0	15.0
	230.0	143.3	194.4	2.786	2.778	1.105	562.9	1044	36.02	0.448	59.3	0.0	15.1
	230.0	138.0	188.9	2.998	3.020	1.076	598.1	1021	37.14	0.451	56.3	0.0	15.1
	230.0	132.5	183.7	3.215	3.274	1.050	633.3	996	37.90	0.449	52.9	0.0	15.2
BDT OZ-FT	230.0	127.1	179.2	3.413	3.511	1.028	662.9	972	38.15	0.441	49.6	0.0	15.2
	230.0	126.5	178.7	3.434	3.536	1.026	666.1	969	38.15	0.440	49.3	0.0	15.2
	230.0	120.6	174.7	3.644	3.793	1.006	695.3	939	37.77	0.422	45.3	0.0	15.3
	230.0	114.5	171.4	3.853	4.053	0.992	722.6	907	36.96	0.399	41.2	0.0	15.3
	230.0	108.7	168.8	4.049	4.299	0.982	745.7	873	35.71	0.371	37.1	0.0	15.4
	230.0	103.4	167.2	4.224	4.521	0.975	765.1	835	34.31	0.341	33.3	0.0	15.5
	230.0	98.2	166.2	4.389	4.730	0.972	782.2	795	32.71	0.310	29.5	0.0	15.5
	230.0	93.0	165.9	4.544	4.918	0.969	795.7	751	30.63	0.274	25.7	0.0	15.5
	230.0	87.9	165.9	4.684	5.072	0.969	806.1	704	28.31	0.237	22.0	0.0	15.5
	230.0	83.1	166.3	4.809	5.265	0.969	813.7	653	25.94	0.202	18.5	0.0	15.5
	230.0	78.6	166.9	4.922	5.429	0.969	820.2	599	23.50	0.167	15.2	0.0	15.4
	230.0	74.1	168.7	5.017	5.568	0.981	823.4	540	20.72	0.133	12.1	0.0	15.4
	230.0	70.0	170.2	5.093	5.695	0.994	826.0	478	18.14	0.103	9.3	0.0	15.5
	230.0	66.1	171.3	5.166	5.807	0.999	829.4	411	15.95	0.078	7.0	0.0	15.5
	230.0	62.5	173.4	5.240	5.901	1.007	832.0	340	13.96	0.056	5.1	0.0	15.4
	230.0	59.2	176.1	5.288	5.977	1.021	833.4	264	11.98	0.038	3.4	0.0	15.4
	230.0	56.3	177.9	5.326	6.037	1.026	835.1	184	10.80	0.023	2.1	0.0	15.3
												DRAWING NO.	PAGE 1 of 4
												3M769BJ	REV.
												-	

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

Performance Data



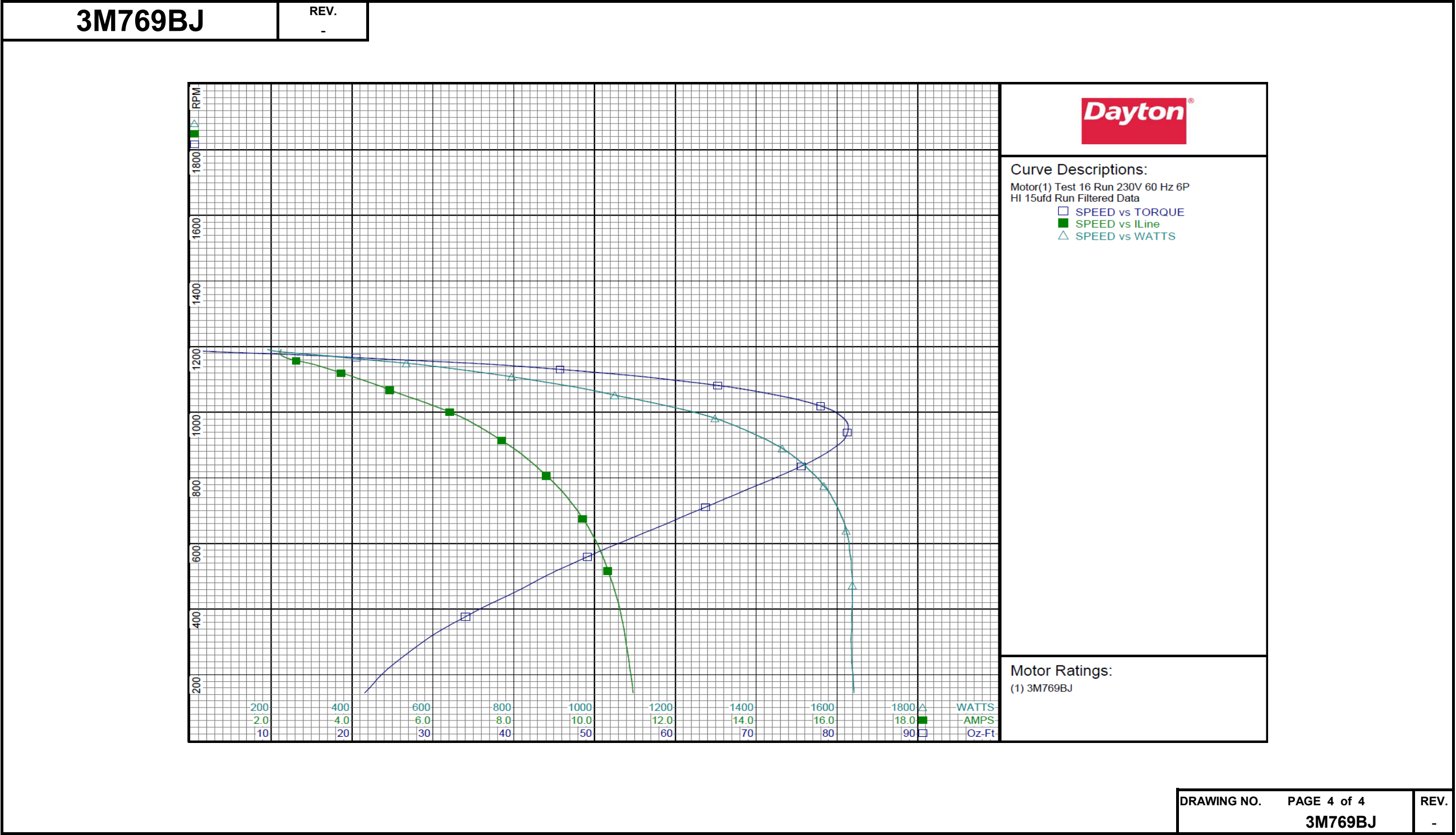
Performance Data



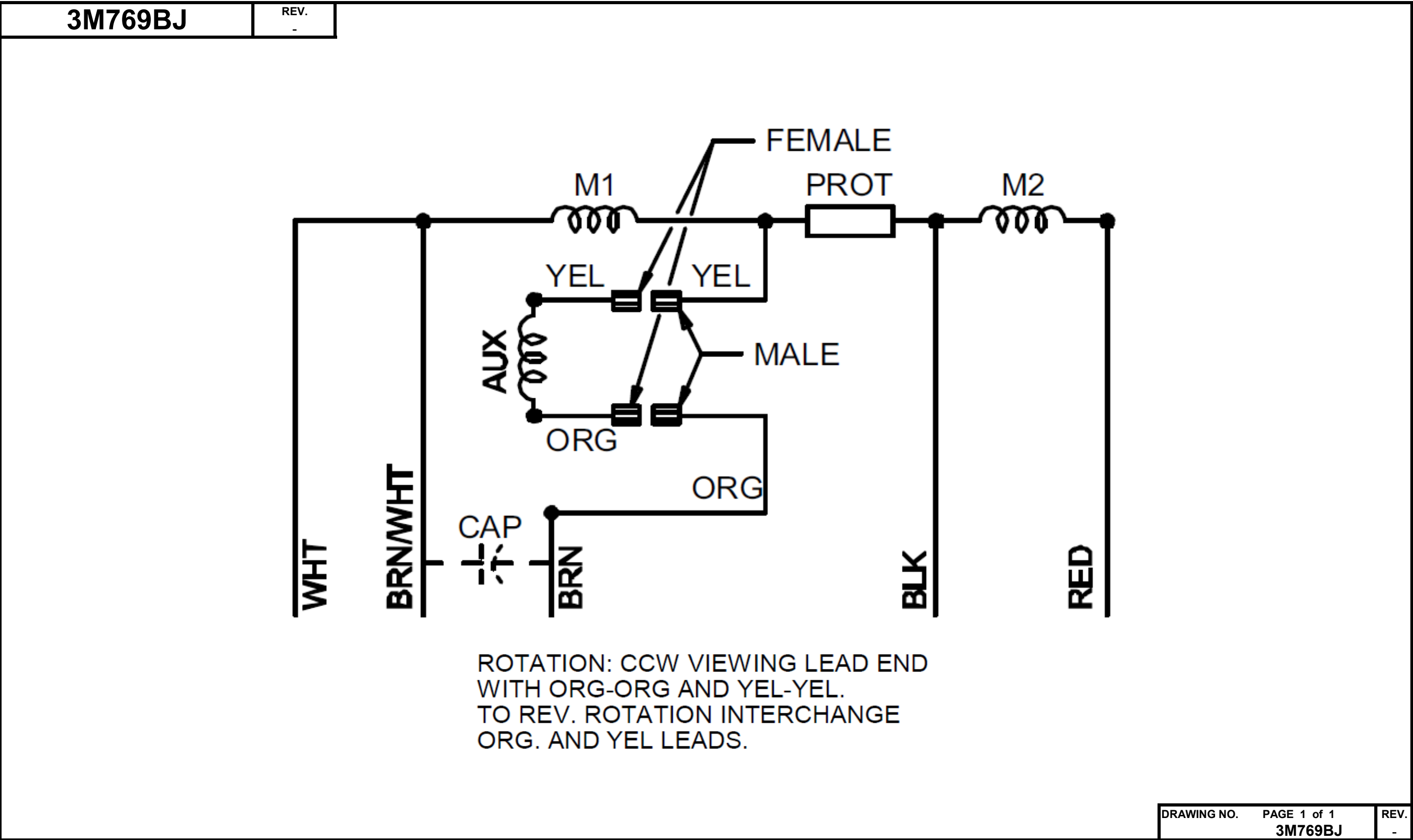
3M769BJ		REV. -											
Dayton Manufacturing Company													
Filtered													
Motor Description				Test Conditions									
Model: 3M769BJ		Test Type: Run		Run Cap: 15									
Motor ID:		Test Number: 16		Start Cap: 0µfd									
Poles: 6		Poles: 6		Environment:									
Volts: 208-230		Volts: 230		Tested: 12/18/2015 4:08:21 PM									
Frequency: 60		Hz: 60		Tested By: Liu, Bingmin									
HP: 3/4		Rotation:		Gear Ratio: 1:1									
Speed: 1075		Special Cond:		Bearing Friction: -0.35 Oz-Ft									
Phase: 1		Speed Conn: HI		Windage Torque: -1.55 Oz-Ft									
Protector: 7AM033-A5		TestBoard: NMQC Plotter		Fixture #1									
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	241.2	361.2	2.240	3.393	2.167	190.4	1192	0.00	0.000	0.0	0.0	15.9
	230.0	240.7	360.4	2.232	3.347	2.160	200.5	1188	0.70	0.010	3.3	0.0	15.9
	230.0	235.8	352.7	2.219	3.147	2.062	285.0	1178	10.25	0.144	36.0	0.0	15.5
	230.0	231.0	344.6	2.336	3.052	1.978	371.9	1168	19.57	0.272	55.8	0.0	15.2
	230.0	228.1	337.3	2.665	3.138	1.922	469.0	1156	28.79	0.396	63.5	0.0	15.1
	230.0	225.3	330.9	3.048	3.326	1.882	563.5	1146	37.25	0.508	67.4	0.0	15.1
	230.0	220.8	325.8	3.380	3.537	1.840	645.2	1133	44.21	0.597	69.0	0.0	15.0
	230.0	215.3	319.4	3.734	3.803	1.798	728.0	1120	50.88	0.678	69.5	0.0	14.9
0.75 HP	230.0	208.8	312.9	4.080	4.093	1.753	807.1	1106	56.97	0.750	69.3	0.0	14.9
	230.0	208.1	312.2	4.114	4.124	1.749	814.8	1104	57.52	0.756	69.3	0.0	14.9
	230.0	200.6	304.9	4.510	4.494	1.703	899.1	1087	63.35	0.820	68.1	0.0	14.8
1075 RPM	230.0	195.0	299.7	4.793	4.771	1.672	959.2	1075	67.17	0.860	66.9	0.0	14.8
	230.0	192.6	297.7	4.900	4.882	1.660	982.5	1070	68.59	0.874	66.3	0.0	14.8
	230.0	184.7	290.2	5.330	5.277	1.620	1059.1	1050	72.97	0.912	64.2	0.0	14.8
	230.0	175.7	282.5	5.815	5.767	1.585	1142.7	1029	76.62	0.939	61.3	0.0	14.9
	230.0	166.3	274.9	6.312	6.309	1.555	1227.1	1006	79.38	0.951	57.8	0.0	15.0
	230.0	157.6	269.0	6.764	6.813	1.533	1298.5	981	80.82	0.944	54.2	0.0	15.1
BDT OZ-FT	230.0	149.5	264.0	7.164	7.268	1.512	1356.6	954	81.41	0.925	50.9	0.0	15.2
	230.0	149.5	264.0	7.164	7.268	1.512	1356.6	954	81.41	0.925	50.9	0.0	15.2
	230.0	141.2	258.9	7.562	7.728	1.493	1410.6	925	81.10	0.893	47.2	0.0	15.3
	230.0	132.9	254.2	7.957	8.187	1.478	1459.5	893	79.75	0.848	43.3	0.0	15.4
	230.0	124.3	250.1	8.319	8.615	1.461	1499.0	859	77.55	0.793	39.5	0.0	15.5
	230.0	116.2	247.5	8.664	9.024	1.450	1532.1	823	74.47	0.729	35.5	0.0	15.5
	230.0	108.7	245.5	8.997	9.419	1.451	1562.1	784	70.87	0.662	31.6	0.0	15.7
	230.0	101.8	244.1	9.301	9.766	1.454	1586.4	744	66.94	0.593	27.9	0.0	15.8
	230.0	95.5	243.8	9.571	10.042	1.455	1604.7	701	62.80	0.524	24.3	0.0	15.8
	230.0	89.5	243.4	9.823	10.390	1.460	1620.1	655	58.40	0.455	20.9	0.0	15.9
	230.0	83.6	243.8	10.042	10.685	1.460	1629.4	606	53.55	0.386	17.7	0.0	15.9
	230.0	77.7	244.2	10.227	10.935	1.457	1634.4	553	48.59	0.320	14.6	0.0	15.8
	230.0	71.8	244.9	10.387	11.164	1.450	1637.9	498	43.74	0.259	11.8	0.0	15.7
	230.0	65.5	245.5	10.540	11.362	1.429	1637.9	439	39.10	0.204	9.3	0.0	15.4
	230.0	60.9	247.1	10.665	11.530	1.437	1636.3	377	34.06	0.153	7.0	0.0	15.4
	230.0	58.0	249.4	10.760	11.666	1.460	1634.9	311	29.45	0.109	5.0	0.0	15.5
	230.0	57.0	252.3	10.849	11.787	1.492	1636.3	242	25.66	0.074	3.4	0.0	15.7
	230.0	55.3	254.8	10.933	11.899	1.504	1640.8	169	22.52	0.045	2.0	0.0	15.7
										DRAWING NO.			
										PAGE 3 of 4			
										3M769BJ			
										REV.			
										-			

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

Performance Data



Wiring Diagram



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

Dayton[®]

CONDENSER FAN MOTOR

HP: 3/4
VOLTS: 208-230

AMPS: 4.7
RPM: 1075 / 2SPD
DUTY: CONT

SF: 1.0
KVA CODE:
ENCL: TEAO

THERMALLY PROTECTED: AUTO

MFG. NO. PROT. CODE: 7A000

MTR REF: K55HXJYM-2342

PH: 1
HZ: 60
FR: 48YZ
INS CL: B
AMB: 60 °C
SFA:

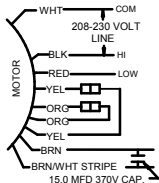
AVG.F.L
EFF.

BAR CODE

Part
No 3M769BJ

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

TO REVERSE ROTATION
INTERCHANGE ORG AND YEL LEADS



RU[®]
E37403

SP[®]
258501

US PAT 7709992

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

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