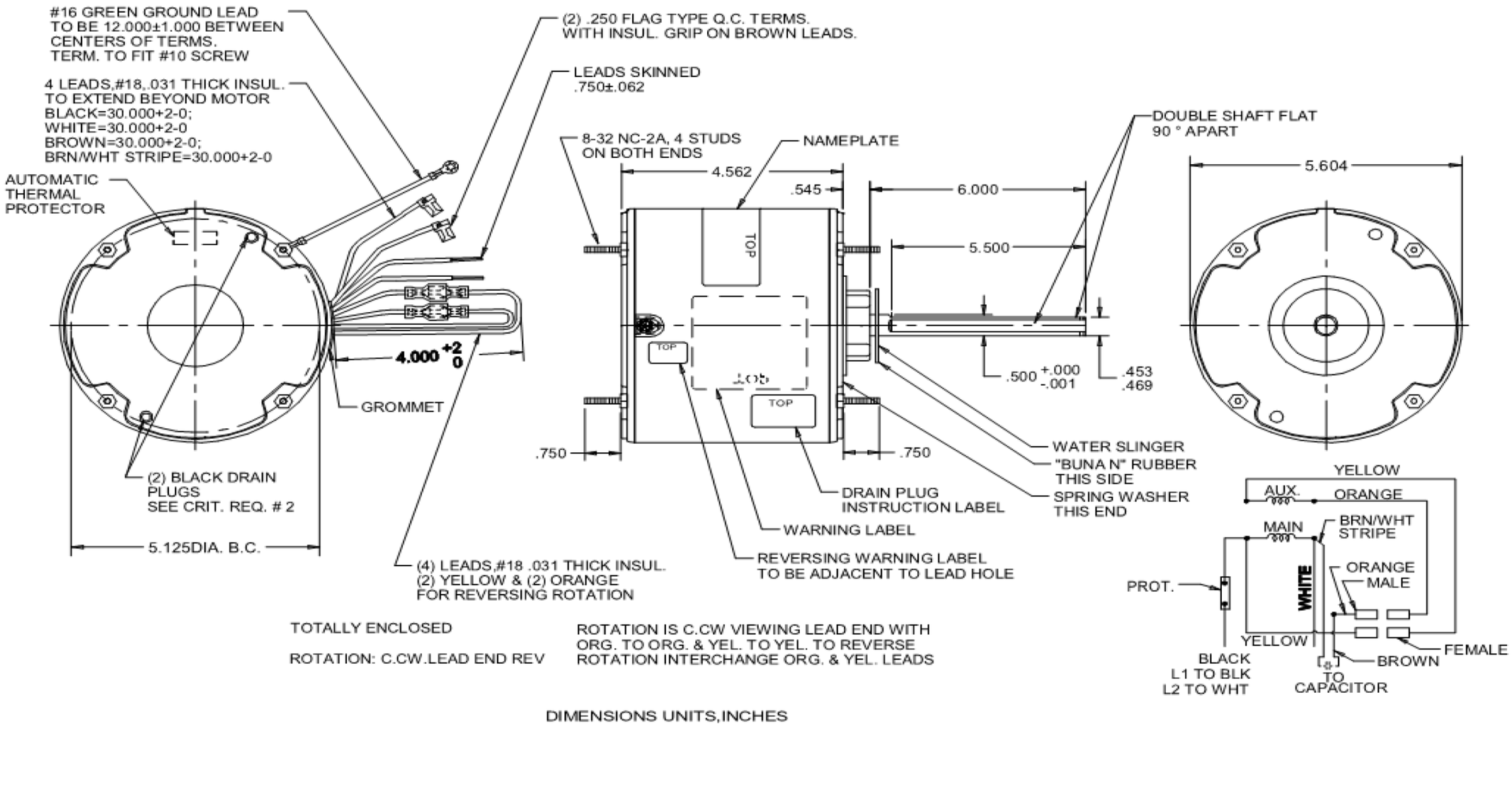
Dimensional Drawing

4M205BJ	REV. -

MODEL	REF	CUSTOMER	HP	VOLTS	AMPS	HZ	RPM	ROTATION	CUSTOMER PN	DESCRIPTION / REMARKS
K55HXRHH-2143		DAYTON	1/4	208-230	1.5	60	1075	C.CW. LEAD END REV	4M205BJ	BALL BEARING



TOTALLY ENCLOSED

ROTATION: C.CW.LEAD END REV

ROTATION IS C.CW VIEWING LEAD END WITH ORG. TO ORG. & YEL. TO YEL. TO REVERSE ROTATION INTERCHANGE ORG. & YEL. LEADS

DIMENSIONS UNITS,INCHES

DRAWING NO.	PAGE 1 of 1	REV.
4M205BJ		-

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

Performance Data

4M205BJ	REV. -

SHADED-POLE & PSC MOTOR PERFORMANCE

HP:	1/4							
Poles:	4							
Ambient (ºC):	40							
Altitude (FASL):	1000							
No. of Speeds:	1							
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		58.0	58.8				
Power Factor:	@ Rated Load		94.4	93.6				
Amps:	@ No Load							
	@ Rated Load		1.6	1.8				
	@ Locked Rotor							
RPM:	@ Rated Load		1075	1075				
Torques:	Breakdown		21.9	27.4				
Oz.Ft. / Lb.In.	Locked Rotor			5.0				
(Circle One)	Pull-Up							
	Rated Load		18.7	23.3				
	Service Factor		1	1				
Watts:	Rated Load		308	377				
Temperature Rise:	@ Rated Load							
Thermal Protector:	Trip Temp (ºC)		140~150	140~150				
Winding Material:	Start (Auxiliary)		AL	AL				
	Run (Main)		AL	AL				
Capacitor:	Run (MFD / Volts)	5.0 MFD 370V						
	No. of Run Capacitors	1						
MEDIUM-HIGH SPEED								
HP:	1/4							
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:	Breakdown							
Oz.Ft. / Lb.In.	Locked Rotor							
(Circle One)	Pull-Up							
	Rated Load							
Watts:	Rated Load							
Temperature Rise:	@ Rated Load							

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

Performance Data

4M205BJ	REV. -

SHADED-POLE & PSC MOTOR PERFORMANCE

MEDIUM-LOW SPEED								
HP:	1/4							
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:	Breakdown							
Oz.Ft. / Lb.In.	Locked Rotor							
(Circle One)	Pull-Up							
	Rated Load							
Watts:	Rated Load							
Temperature Rise:	@ Rated Load							
Watts:	Rated Load							
Temperature Rise:	@ Rated Load							
Thermal Protector:	Trip Temp (ºC)							
Winding Material:	Start (Auxiliary)							
	Run (Main)							

LOW SPEED								
HP:	1/4							
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:	Breakdown							
Oz.Ft. / Lb.In.	Locked Rotor							
(Circle One)	Pull-Up							
	Rated Load							
Watts:	Rated Load							
Temperature Rise:	@ Rated Load							

Notes:

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

Performance Data

4M205BJ	REV. -

Dayton Manufacturing Company

Motor Description

Model:	K280 4M205BJ
Motor ID:	1
Poles:	6
Volts:	208-230
Frequency:	60
HP:	1/4
Speed:	1075
Phase:	1
Protector:	7AM036A5

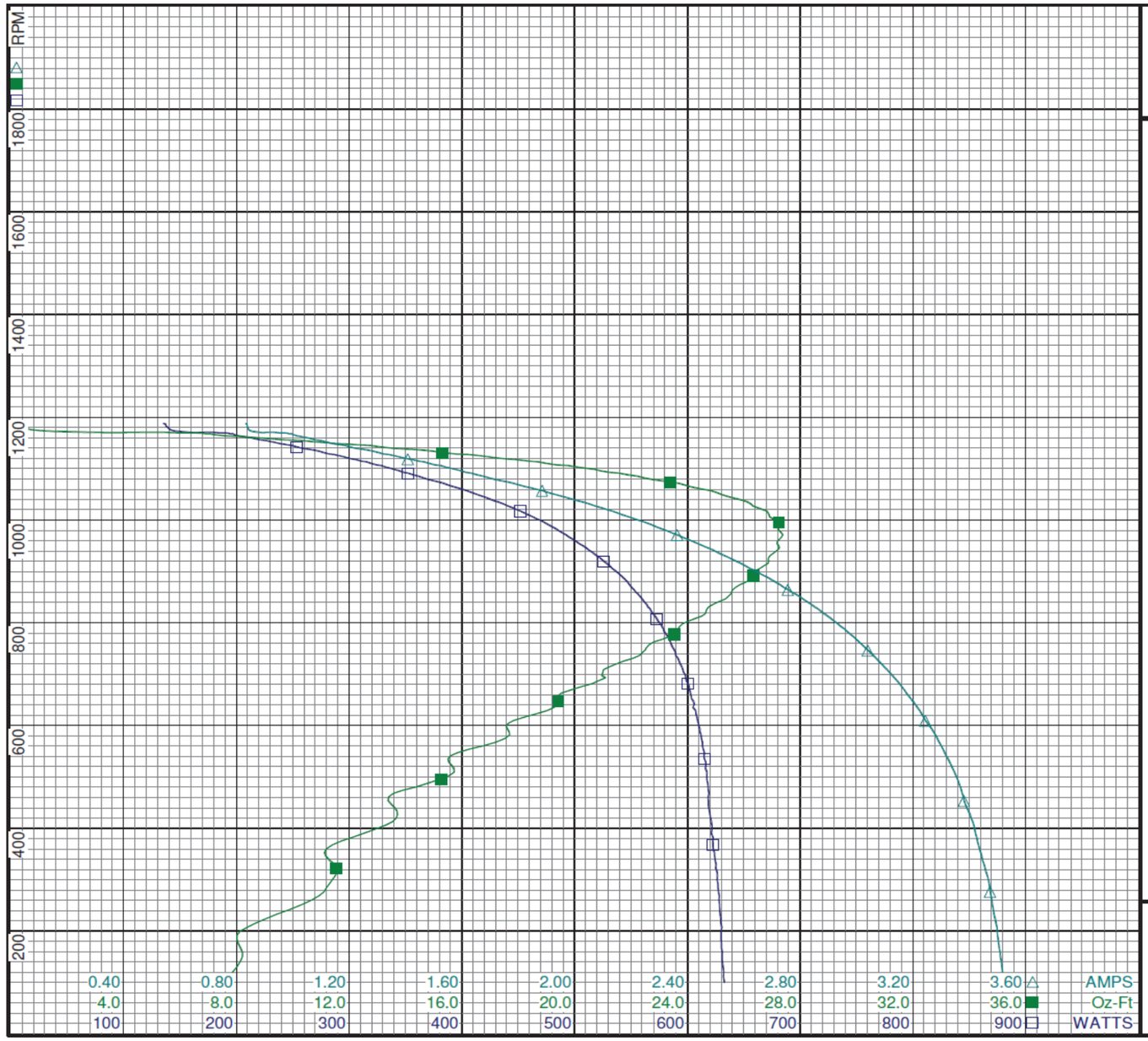
Test Conditions

Test Type:	Run	Run Cap:	5
Test Number:	4	Start Cap:	0µfd
Poles:	6	Environment:	19.5 Deg C 57 % RH 997 hPa
Volts:	230	Tested:	9/12/2013 8:44:21 AM
Hz:	60	Tested By:	Sharp, Gerald
Rotation:		Gear Ratio:	1:1
Special Cond:		Bearing Friction:	-1.50 Oz-Ft
Speed Conn:	M1	Windage Torque:	-2.16 Oz-Ft
TestBoard:	Amtps 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
	230.0	355.1	449.5	0.832	1.113	0.902	134.9	1188	0.00	0.000	0.0	70.5	5.3
	230.0	354.2	447.7	0.843	1.095	0.898	140.9	1176	0.70	0.010	5.2	72.7	5.3
	230.0	346.8	430.6	0.968	0.990	0.859	189.4	1169	6.40	0.089	35.1	85.0	5.3
	230.0	343.5	424.8	1.036	0.998	0.846	208.4	1161	8.39	0.116	41.5	87.4	5.3
	230.0	335.3	413.9	1.138	1.008	0.824	237.7	1149	11.46	0.157	49.2	90.8	5.3
	230.0	324.7	399.5	1.270	1.062	0.795	269.7	1135	14.68	0.198	54.9	92.3	5.3
	230.0	313.9	385.9	1.409	1.156	0.766	302.1	1118	17.57	0.234	57.7	93.2	5.3
	230.0	301.3	370.9	1.559	1.287	0.735	336.2	1101	20.38	0.267	59.3	93.7	5.3
	230.0	287.2	355.2	1.717	1.443	0.703	370.3	1079	22.76	0.292	58.9	93.8	5.3
1075 RPM	**230.0**	**283.9**	**351.7**	**1.752**	**1.479**	**0.696**	**377.2**	**1075**	**23.25**	**0.298**	**58.8**	**93.6**	**5.3**
	230.0	271.2	338.9	1.885	1.626	0.670	404.1	1057	24.82	0.312	57.7	93.2	5.2
	230.0	254.4	323.1	2.052	1.819	0.639	436.8	1031	26.24	0.322	55.0	92.6	5.2
	230.0	237.1	308.7	2.212	2.011	0.610	466.1	1002	27.03	0.322	51.6	91.6	5.2
BDT OZ-FT	**230.0**	**219.8**	**295.8**	**2.364**	**2.203**	**0.584**	**492.3**	**971**	**27.38**	**0.316**	**47.9**	**90.5**	**5.2**
	230.0	219.8	295.8	2.364	2.203	0.584	492.3	971	27.38	0.316	47.9	90.5	5.2
	230.0	203.5	285.3	2.507	2.388	0.563	515.8	936	27.08	0.302	43.7	89.5	5.2
	230.0	188.9	277.0	2.638	2.554	0.546	535.7	901	26.43	0.284	39.5	88.3	5.2
	230.0	175.2	270.7	2.757	2.708	0.534	552.6	864	25.61	0.263	35.6	87.2	5.2
	230.0	163.7	266.2	2.863	2.845	0.526	566.7	827	24.69	0.243	32.0	86.1	5.2
	230.0	153.3	263.3	2.957	2.968	0.520	578.6	788	23.67	0.222	28.6	85.1	5.2
	230.0	143.7	261.2	3.040	3.077	0.516	588.4	746	22.49	0.200	25.3	84.2	5.2
	230.0	134.6	260.3	3.117	3.180	0.514	596.6	703	20.99	0.176	22.0	83.2	5.2
	230.0	126.4	259.9	3.185	3.272	0.513	603.1	657	19.41	0.152	18.8	82.3	5.2
	230.0	119.2	259.9	3.244	3.353	0.513	608.9	609	17.82	0.129	15.8	81.6	5.2
	230.0	111.9	260.7	3.300	3.431	0.516	613.1	560	16.76	0.112	13.6	80.8	5.2
	230.0	105.3	261.5	3.347	3.499	0.517	617.4	509	15.73	0.095	11.5	80.2	5.2
	230.0	99.4	262.3	3.382	3.552	0.519	618.5	453	13.38	0.072	8.7	79.5	5.3
	230.0	95.0	265.4	3.419	3.607	0.525	621.8	398	12.92	0.061	7.3	79.1	5.2
	230.0	91.2	268.3	3.447	3.651	0.531	624.6	337	11.31	0.045	5.4	78.8	5.2
	230.0	88.8	272.0	3.474	3.693	0.538	627.4	276	11.11	0.037	4.3	78.5	5.2
	230.0	87.0	275.2	3.498	3.730	0.545	630.5	206	8.37	0.021	2.4	78.4	5.3
	230.0	84.8	277.5	3.513	3.757	0.550	630.7	141	8.14	0.014	1.6	78.0	5.3

Performance Data

4M205BJ	REV. -



Dayton

Curve Descriptions:

Motor(1) Test 4 Run 230V 60 Hz 6P
M1 5ufd Run

- □ SPEED vs WATTS
- ■ SPEED vs TORQUE
- △ SPEED vs ILine

Motor Ratings:

4M205BJ

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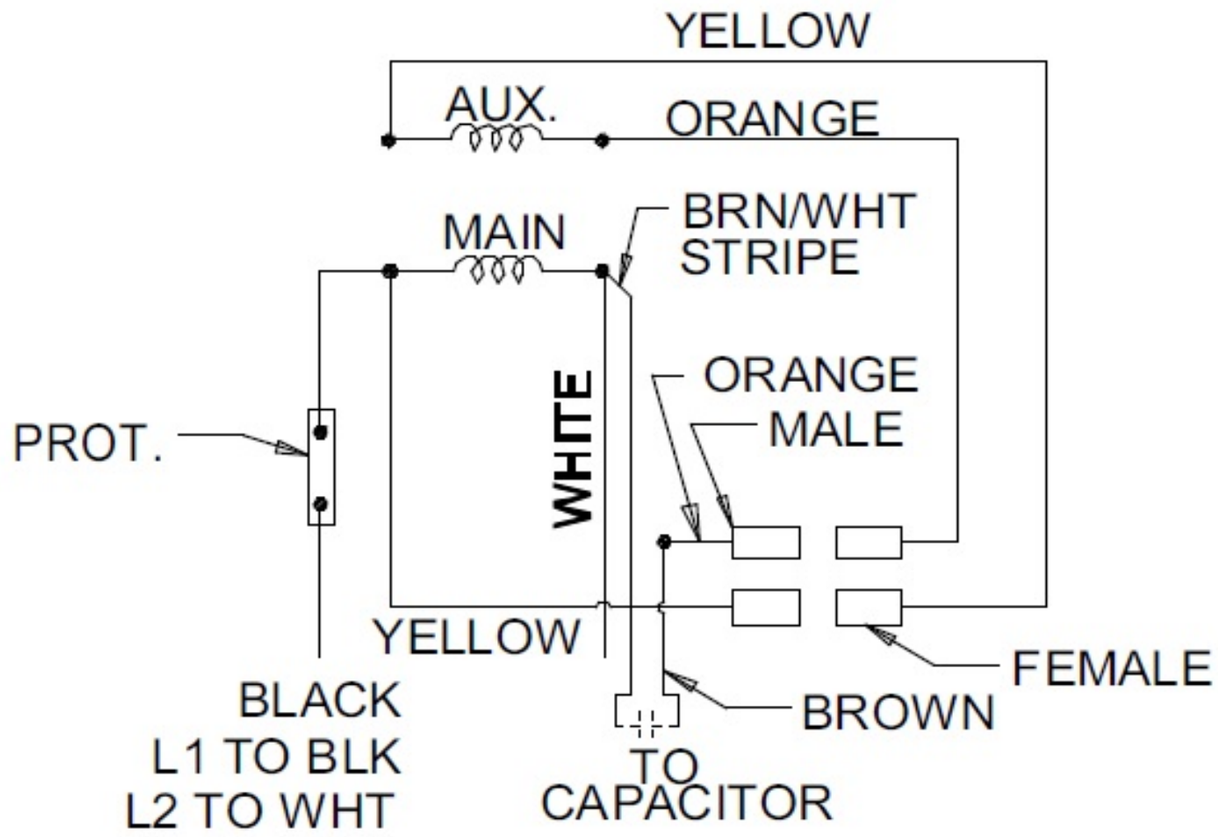
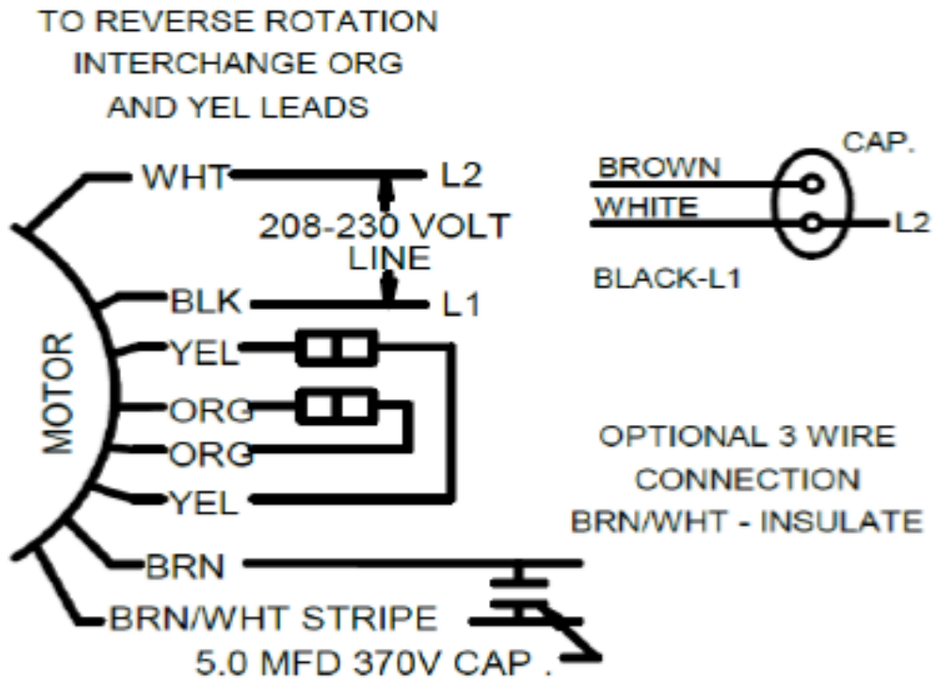
Wiring Diagram

4M205BJ	REV. -





ROTATION IS CCW VIEWING LEAD END WITH ORG. TO ORG. & YEL. TO YEL. TO REVERSE ROTATION INTERCHANGE ORG. & YEL. LEADS

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4M205BJ		-

Dayton®

CONDENSER FAN MOTOR

BAR CODE

Part No 4M205BJ

HP: 1/4
VOLTS: 208-230
AMPS: 1.5
RPM: 1075
DUTY: CONT
SF: 1.0
KVA CODE:
ENCL: TEAO

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

THERMALLY PROTECTED: AUTO

MFG. NO. [ ] PROT. CODE : 7A010 AVG.F.L EFF.

MTR REF: K55HXRHH-2143

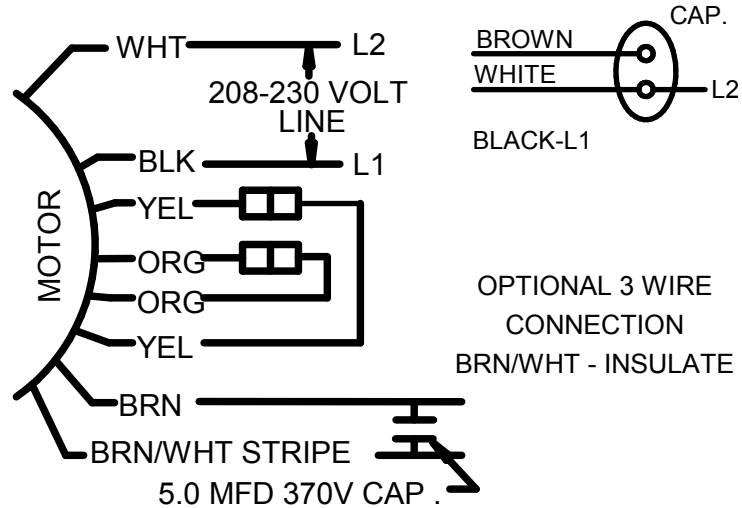
E37403

258501

US PAT 7709992

Disconnect Power Before Making Any Electrical Connections or Changes

TO REVERSE ROTATION INTERCHANGE ORG AND YEL LEADS



OPTIONAL 3 WIRE CONNECTION BRN/WHT - INSULATE

Mfd for Dayton Electric Mfg. Co., Lake Forest, IL 60045 USA [Made In China]