

PRODUCT INFORMATION PACKET



Model No: 7FD1056
Catalog No: 7FD1056
1/2 HP Fan & Blower Motor, 1075 RPM, 3 Speed, 277 Volts, 48 Frame, OAO
Direct Drive Motors



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Nameplate Specifications

Output HP	1/2 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	277 V
Current	2.2 A	Speed	1075 rpm
Service Factor	1	Phase	1
Duty	Air Over	Insulation Class	B
Frame	48Y	Enclosure	Open Enclosed
Thermal Protection	Automatic	Ambient Temperature	50 °C
UL	Recognized	CSA	Y
CE	N		

Technical Specifications

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Mounting	Resilient Ring/Extended Studs	Motor Orientation	Horizontal
Drive End Bearing	Sleeve	Opp Drive End Bearing	Sleeve
Frame Material	Rolled Steel	Shaft Type	Flat
Overall Length	12.30 in	Frame Length	4.75 in
Shaft Diameter	0.500 in	Shaft Extension	6.4 in
Connection Drawing	614131-111	Outline Drawing	7FD1056-S01

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GENERAL INFORMATION:

SHAFT RUNOUT: .001[.025] T. I. R. PER INCH LENGTH OF EXTENSION.

END PLAY: .010[.254] TO .063[1.600]

BEARINGS: SLEEVE

MOUNTING POSITION: HORIZONTAL

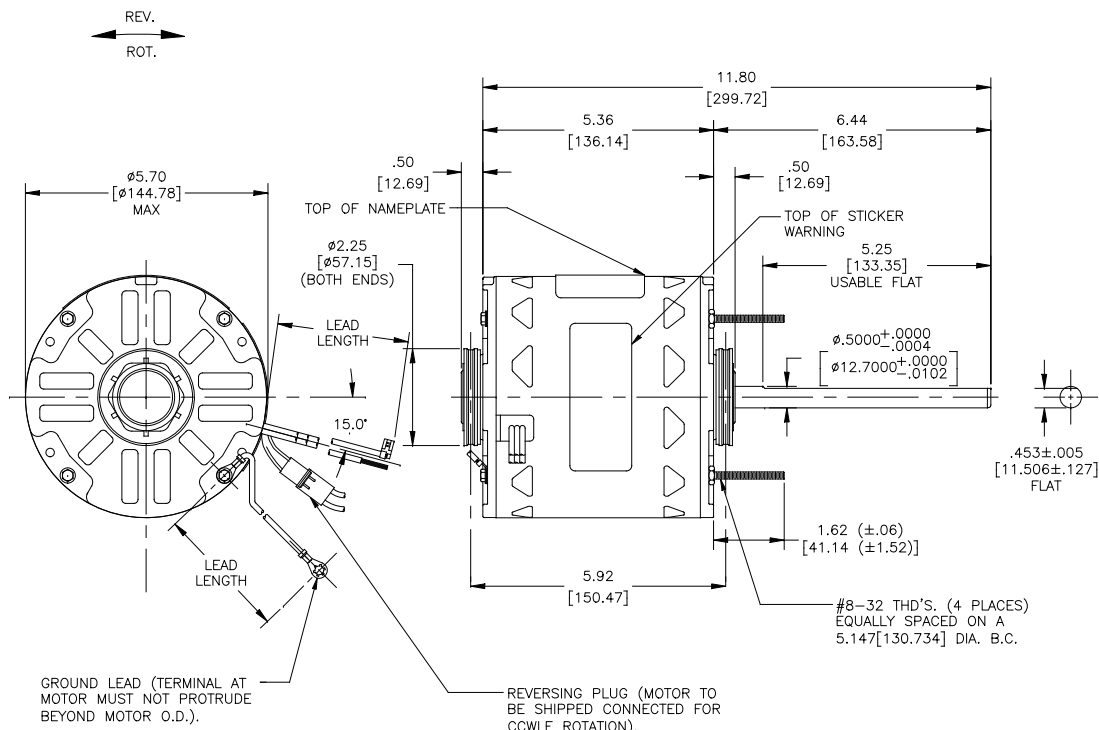
ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET (T. I. 7AM 036)

LEADS: No. 18 GA., .06[1.52] THK. PVC 105°C INSUL.

REVERSING LEADS: No. 18 GA., .03[.76] THK. 125°C INSUL.

GROUND LEAD: No. 18 GA., .03[.76] THK., (GREEN) INSUL.



GROUND LEAD (TERMINAL AT MOTOR MUST NOT PROTRUDE BEYOND MOTOR O.D.).

REVERSING PLUG (MOTOR TO BE SHIPPED CONNECTED FOR CCWLE ROTATION).

-NOTE:
-SNAP RINGS 615035 (4 REQ'D.)
TO BE PACKED WITH EACH MOTOR

GREEN(GRD)	12/13 [305/330]	#10 EYELET
BLACK/WHITE	3/5 [76/127]	REVERSING PLUG
BROWN	26/28 [660/711]	.25[6.35] FLAG
BROWN/WHITE	26/28 [660/711]	.25[6.35] FLAG
YELLOW	26/28 [660/711]	.50[12.7] SKIN
BLACK	26/28 [660/711]	.50[12.7] SKIN
BLUE	26/28 [660/711]	.50[12.7] SKIN
RED	26/28 [660/711]	.50[12.7] SKIN
COLOR	LENGTH	TERMINAL OR STRIP LENGTH

REGAL-BELOIT CORPORATION (RBC) PROVIDES TECHNICAL ASSISTANCE TO OUR CUSTOMERS IN SEVERAL AREAS. SINCE RBC DOES NOT RECEIVE ALL DATA CONCERNING THE USE AND APPLICATION OF THE MOTOR, THE SUITABILITY OF THE MOTOR FOR THE APPLICATION MUST BE DETERMINED BY THE CUSTOMER.

DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.

MAIN FRAME - OLE	OPEN
END FRAME - OLE	OPEN
MAIN FRAME - LE	OPEN
END FRAME - LE	OPEN

CUSTOMER	DISTRIBUTION SERVICE
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NAMEPLATE DATA:	EXTERNAL CONNECTION DIAGRAM
MODEL NO.: F48A31A01 CUST. P/N: 7FD1056 HP: 1/2 ROT.: REVERSIBLE RPM: 1075/3 SPD. TYPE: UF FRAME: 48Y VOLTS: 277 PH: 1 AMPS: 2.2 (3.2 MAX) HZ: 60 INS.: B AMB.: 50 ° C DUTY: AIR COVER CAP.: 10 MFD/370 V ENCL: OPEN CSA LOGO UL LOGO THERMALLY PROTECTED	

614131-111

PERFORMANCE CURVE NO.	TORQUE @ 1075 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT	CSA
C23313	33.3 OZ. FT.	EX11394	FILE # GUIDE # FILE # GUIDE #	
			E46412 PRGY2 LR43341	260-Ø-0

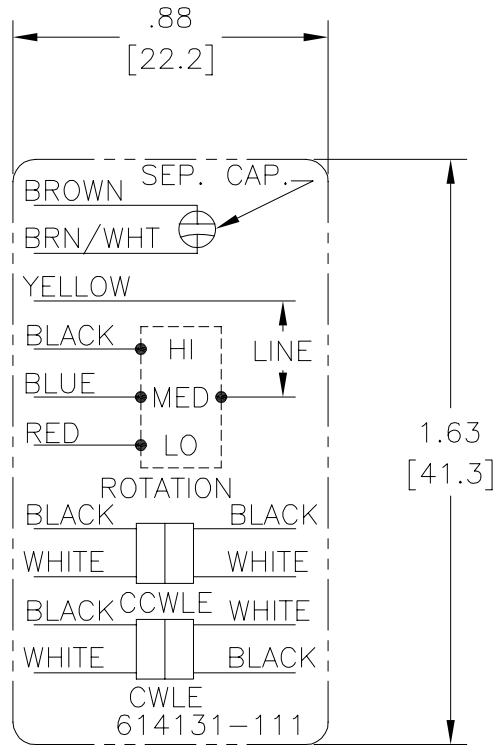
DRAWING REVISION	REVISION BY	DATE
A	B.JI	09-21-2016
ECD	APPROVED BY	DATE
ECO-0109612	C.ZHOU	09-21-2016
NEW DRAWING		

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DRAWN BY:	B.JI	REGAL	Regal Beloit America, Inc.
DATE:	09-21-2016	DESCRIPTION	MODEL-RFHP-48FR
APPROVED BY:	C.ZHOU	MATERIAL	OUTLINE
DATE:	09-21-2016	PROCESS/FINISH	
REFERENCE		SIZE DWG NO	7FD1056
THIRD ANGLE PROJECTION		SHEET	1

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REV	ECO	REV BY	DATE	APPD	DATE
B	ECO-0014509	jrupert	05-25-2010	triley	05-25-2010



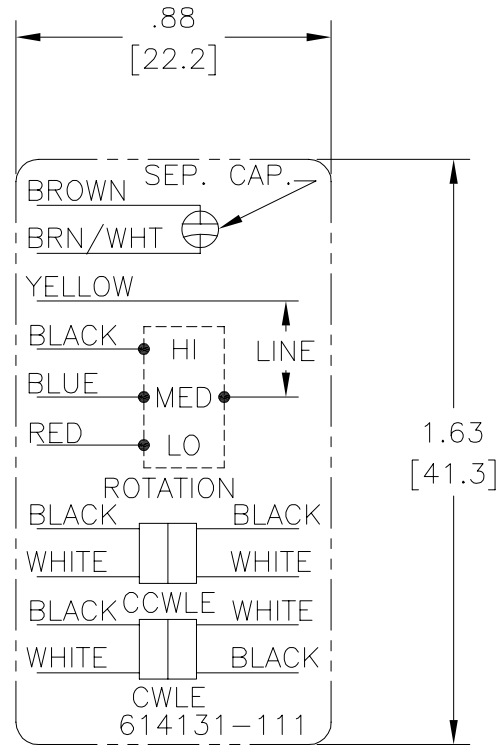
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GEOMETRIC CHARACTERISTICS & SYMBOLS ▽ FLATNESS — STRAIGHTNESS ∠ ANGULARITY ⊥ PERPENDICULARITY (SQUARENESS) ∥ PARALLELISM ○ ROUNDNESS (CIRCULARITY) ⌀ CYLINDRICITY △ PROFILE OF ANY SURFACE ▽ PROFILE OF ANY LINE ↗ RUNOUT ⊕ TRUE POSITION ⊙ CONCENTRICITY = SYMMETRY	UNLESS OTHERWISE SPECIFIED DIM. TOLERANCES ARE AS FOLLOWS: INCH X XX XXX XXXX ±.1 ±.02 ±.005 ±.0005 mm ±0.5 ±0.13 ±0.013 ANG. ±.50 DEG REMOVE BURRS & BREAK SHARP EDGES: INCH .003-.015 mm 0.1-0.4 CORNER FILLETS TO: INCH .020 mm 0.5 MACHINE SURFACES: INCH 125 mm 3.2 METRIC DIMS. SHOWN IN [BRACKETS]	DR BY: jrupert APPD: triley THIRD ANGLE PROJECTION EDS DATE 02-22-2008 FORMAT REV F CONFIDENTIAL: THIS DRAWING AND ITS INFORMATION ARE THE EXCLUSIVE AND CONFIDENTIAL PROPERTY OF A.O. SMITH CORP. AND ARE NOT TO BE DISCLOSED, DUPLICATED, DISTRIBUTED OR OTHERWISE USED WITHOUT THE WRITTEN CONSENT OF A.O. SMITH CORP. -ALL RIGHTS RESERVED. ASME Y14.5M 1994	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">ACSmith <small>innovation has a name.</small></td> <td style="text-align: center;">ELECTRICAL PRODUCTS COMPANY <small>A DIVISION OF A. O. SMITH CORPORATION</small></td> </tr> <tr> <td colspan="3">DESCRIPTION CONN DIAGRAM EXTERNAL</td> </tr> <tr> <td>SIZE A</td> <td colspan="2">DWG NO 614131-111</td> </tr> <tr> <td>SCALE NONE</td> <td colspan="2">SHEET 1</td> </tr> </table>	ACSmith <small>innovation has a name.</small>		ELECTRICAL PRODUCTS COMPANY <small>A DIVISION OF A. O. SMITH CORPORATION</small>	DESCRIPTION CONN DIAGRAM EXTERNAL			SIZE A	DWG NO 614131-111		SCALE NONE	SHEET 1	
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REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
B	ECO-0014509	jrupert	05-25-2010	triley	05-25-2010



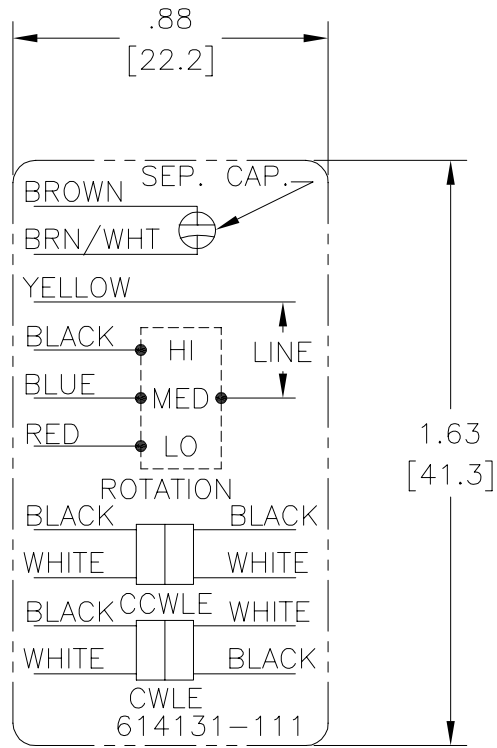
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	图幅: A		图号: 614131-111	
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