

PRODUCT INFORMATION PACKET



Model No: FD6000
Catalog No: FD6000
1/2 HP Fan & Blower Motor, 1075 RPM, 4 Speed, 208-230 Volts, 48 Frame, OAO
Direct Drive Motors



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Nameplate Specifications

Output HP	1/2 MAX Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	208-230 V
Current	3.9 MAX 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	40 °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	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	Flat
Overall Length	10.36 in	Frame Length	4.25 in
Shaft Diameter	0.500 in	Shaft Extension	5 in
Connection Drawing	614131-265	Outline Drawing	FD6000-S01

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GENERAL INFORMATION:

SHAFT RUNOUT: .001 [.03] T.I.R. PER INCH LENGTH OF EXTENSION

BEARINGS: BALL

MOUNTING POSITION: HORIZONTAL

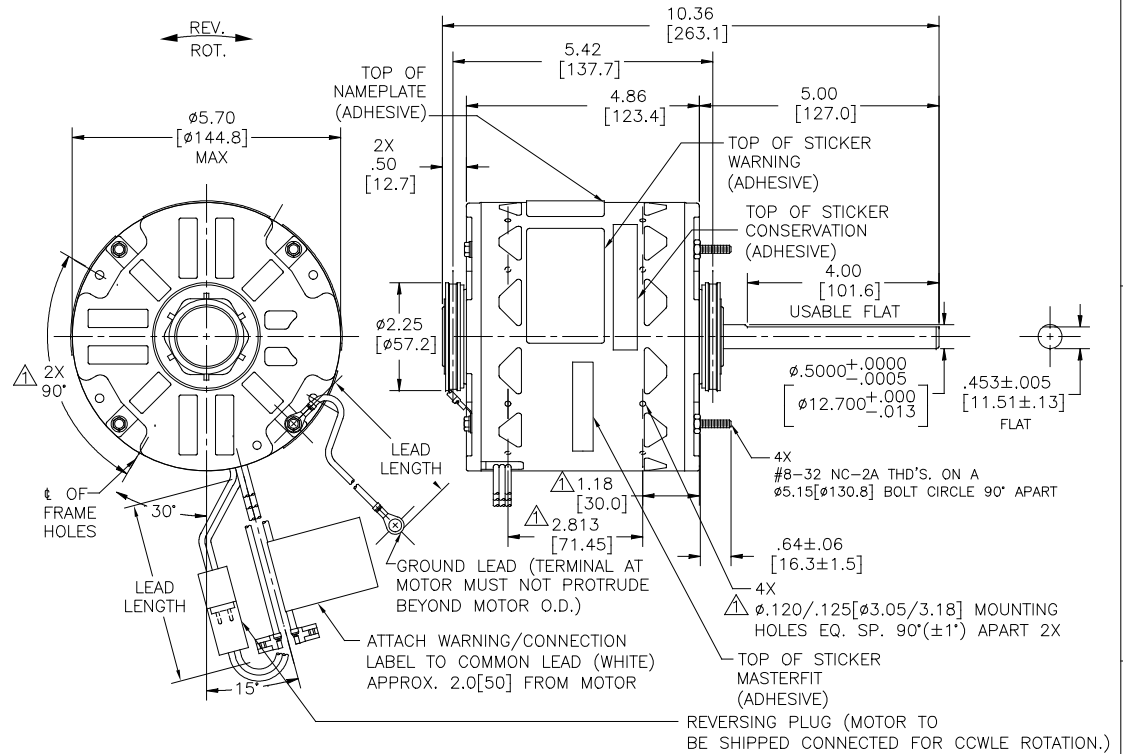
ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET (SENSATA 7AM 036)

LEADS: NO. 18 GA., .03 [.8] THK. XLP 125°C INSUL.

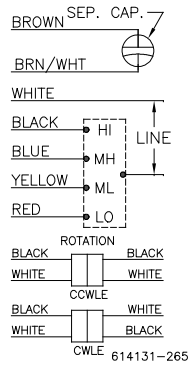
REVERSING PLUGS: NO. 18 GA., .03 [.8] THK. XLP 125°C INSUL.

GROUND LEAD: NO. 18 GA., .03 [.8] THK. (GREEN) INSUL.



NAMEPLATE DATA: EXTERNAL CONNECTION DIAGRAM

MODEL NO.: F48N76A01
 CUST. P/N: FD6000
 HP: 1/2 MAX.
 ROT.: REVERSIBLE
 RPM: 1075/4 SPD.
 TYPE: UF
 FRAME: 48Y
 VOLTS: 208-230
 PH: 1
 AMPS: 3.9 MAX.
 HZ: 60
 INS.: B
 AMB.: 40° C
 DUTY: AIR OVER
 CAP.: 10 MFD/370 V
 ENCL: OPEN
 UL LOGO
 CSA LOGO
 THERMALLY PROTECTED



GREEN (GROUND)	9.0/11.0 [229/279]	.25 [6.4] RING
BLACK/WHITE	3.0/5.0 [76/127]	REVERSING PLUG
BROWN	36.5/39.5 [927/1003]	.25 [6.4] FLAG
BROWN/WHITE	36.5/39.5 [927/1003]	.25 [6.4] FLAG
RED	36.5/39.5 [927/1003]	.25 [6.4] FLAG
YELLOW	36.5/39.5 [927/1003]	.25 [6.4] FLAG
BLUE	36.5/39.5 [927/1003]	.25 [6.4] FLAG
BLACK	36.5/39.5 [927/1003]	.25 [6.4] FLAG
WHITE	36.5/39.5 [927/1003]	.25 [6.4] FLAG
COLOR	LENGTH	TERMINAL OR STRIP LENGTH

NOTES:

- ▲ DENOTES CRITICAL CHARACTERISTICS
- 2. 4X SPLIT RING ADAPTOR 615035, 8X SCREWS 615982-001 TO BE PUT IN A POLYBAG & BE PACKED WITH EACH MOTOR
- 3. THE SYMBOL OF CTQ: ▲ (NO CTQ ON THIS DRAWING).
- 4. MEET THE REQUIREMENT OF RoHS & REACH, SEE EP000014_5.1.

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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PERFORMANCE CURVE NO.	TORQUE @ 1075 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT	CSA
C31865	56.7 OZ. FT.	99AC166A	E46412 PRGY2	LR43341 4211-01

LEAD DATA

DRAWING REVISION	REVISION BY	DATE
F	JUDY.ZHU	10-28-2019
ECC	APPROVED BY	DATE
ECC-0175643	KEYUN.GONG	10-28-2019
ECC DESCRIPTION	CHANGE BEARING FROM SLEEVE TO BALL.	

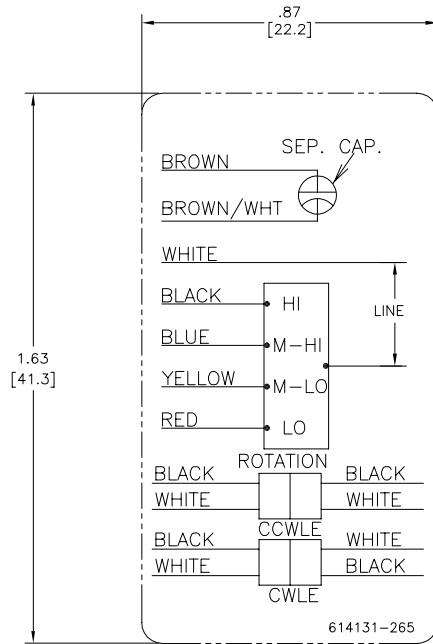
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ENCLOSURE

DRAWN BY:	E. SINECIO	DATE:	06-13-2011
APPROVED BY:	J. RUPERT	DATE:	06-13-2011
REFERENCE:		MATERIAL:	
THIRD ANGLE PROJECTION	SIZE	DWG NO	FD6000
		PROCESS/FINISH	
		SHEET	1

Regal Regal Beloit America, Inc.
 MODEL-RFHP-48FR
 OUTLINE

REV	ECO	REV BY	DATE	APPD	DATE
C	0029048	D.RODRIGUEZ	10-18-2012	J.HESS	10-18-2012



NOTES:

1. FOR USE WITH 614129 NAMEPLATE BLANK
2. --- --- INDICATES DIMENSION LIMITS
3. DIE TO BE MADE FROM MASTER SUPPLIED BY REGAL
4. DIE MUST PRODUCE A LEGIBLE IMPRESSION.

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-.04 CORNER FILLETS TO: INCH .020 mm 0.5 MACHINE SURFACES: INCH 125 mm 3.2 METRIC DIMS. SHOWN IN [BRACKETS]
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DR BY: JZ APPD: CZ THIRD ANGLE PROJECTION CONFIDENTIAL: THIS DRAWING AND ITS INFORMATION ARE THE EXCLUSIVE AND CONFIDENTIAL PROPERTY OF REGAL-BELOIT CORPORATION AND ARE NOT TO BE DISCLOSED, DUPLICATED, DISTRIBUTED OR OTHERWISE USED WITHOUT THE WRITTEN CONSENT OF REGAL-BELOIT CORPORATION. -ALL RIGHTS RESERVED.	03-31-2011 03-31-2011 EDS DATE 11-11-2011 FORMAT REV H
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REGAL REGAL-BELOIT CORPORATION	DESCRIPTION CONN DIAGRAM-NAMEPLATE
SIZE C SCALE NONE	DWG NO 614131-265 SHEET 1