

PRODUCT INFORMATION PACKET



Model No: FD6001A
Catalog No: FD6001A
3/4-1/5 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	3/4-1/5 Hp	Output KW	0.56 kW
Frequency	60 Hz	Voltage	208-230 V
Current	4.0 A	Speed	1075 rpm
Service Factor	1	Phase	1
Duty	Air Over	Insulation Class	B
Frame	48	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	5.0 in
Outline Drawing	FD6001A-S01	Connection Drawing	614131-265

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GENERAL INFORMATION:

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

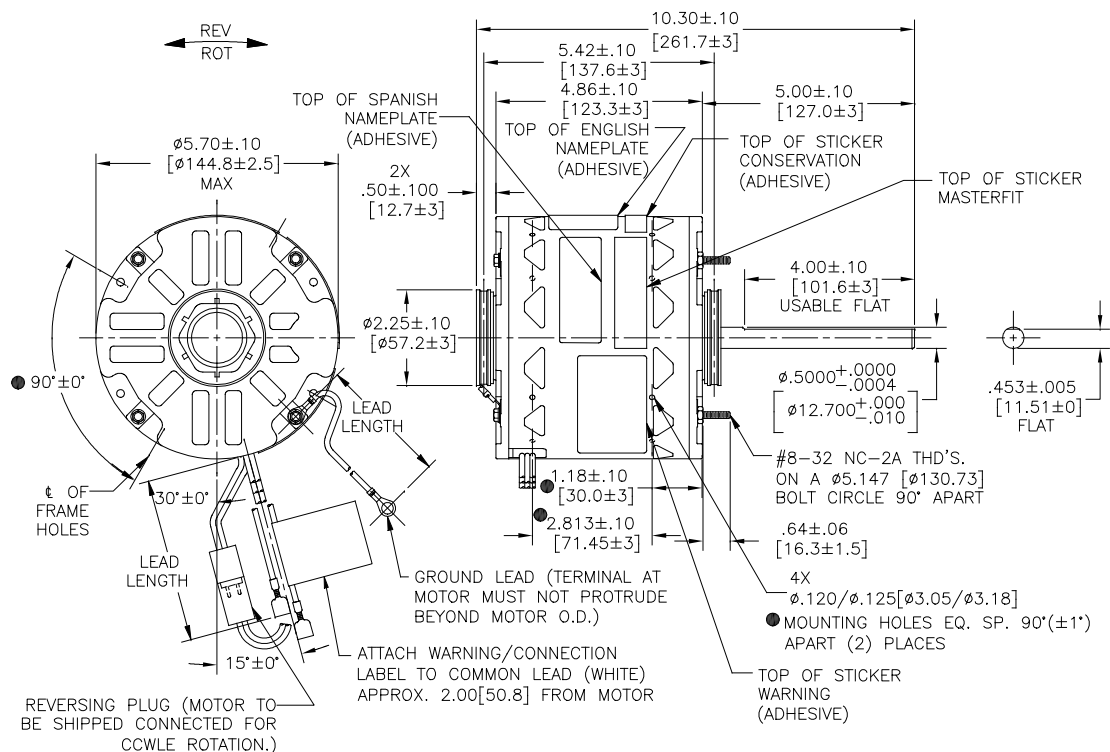
BEARINGS: BALL
MOUNTING POSITION: HORIZONTAL

ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET (SENSATA 7AM 036)
LINE 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.

NOTES:

1. DENOTES CRITICAL CHARACTERISTICS.
2. (4) SPLIT RING ADAPTOR 615035, (OR 53P26-1 ONLY USED IN MEXICO) (8) SCREWS 615982-001, (1) 2518746-001 CLAMP AND ADD QTY 1 2509074-001 CAPACITOR 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 AND REACH: SEE EP000014_5.1



NAMEPLATE DATA:	EXTERNAL CONNECTION DIAGRAM
MODEL NO.: F48AD82A01 CUST. P/N: FD6001A HP: 3/4-1/5 ROT.: REVERSIBLE RPM: 1075/4 SPD. TYPE: UF FRAME: 48 VOLTS: 208-230 PH: 1 AMPS: 4.0 MAX. HZ: 60 INS.: B AMB.: 40° C DUTY: AIR OVER CAP.: 10 OR 5 MFD/370V ENCL.: OPEN UL LOGO CSA LOGO THERMALLY PROTECTED	BROWN SEP. CAP. BRN/WHT WHITE BLACK HI BLUE MH YELLOW ML RED LO ROTATION BLACK CCWLE WHITE CWLE BLACK CWLE WHITE CWLE WHITE CWLE BLACK CWLE

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] FEMALE
BROWN/WHITE	36.5/39.5 [927/1003]	.25[6.4] FEMALE
RED	36.5/39.5 [927/1003]	.25[6.4] FEMALE
YELLOW	36.5/39.5 [927/1003]	.25[6.4] FEMALE
BLUE	36.5/39.5 [927/1003]	.25[6.4] FEMALE
BLACK	36.5/39.5 [927/1003]	.25[6.4] FEMALE
WHITE	36.5/39.5 [927/1003]	.25[6.4] FEMALE
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

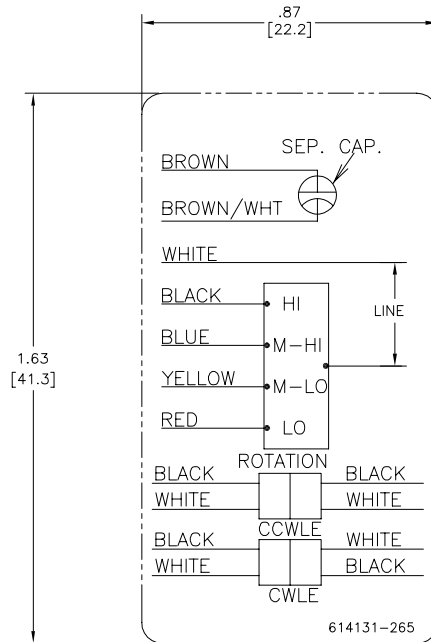
CUSTOMER	DISTRIBUTION SERVICE

PERFORMANCE CURVE NO.	TORQUE @1075 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT	CSA
FILE #	CCN #	FILE #	CLASS #	
C32037	57.2 OZ. FT.	0143718A	E46412	PRGY2 LR43341 4211-01

LEAD DATA		
DRAWING REVISION/REVISION BY	DATE	
F CADDIE.ZHOU	03-10-2020	
EEO-0182883 APPROVED BY	DATE	
KEYUN.GONG	03-10-2020	
EEO DESCRIPTION		
ADD SPANISH NAMEPLATE AND NOTES 3&4		
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DRAWN BY: R.RASCON	DATE: 05-30-2011	Regal Beloit America, Inc.
APPROVED BY: J.FRANK	DATE: 05-30-2011	
PROCESS/FINISH	MATERIAL	MODEL-RFHP-48FR OUTLINE
THIRD ANGLE PROJECTION	SIZE DWG NO: C	FD6001A
		SHEET 1

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	03-31-2011
APPD: CZ	03-31-2011
THIRD ANGLE PROJECTION	EDS DATE 11-11-2011 FORMAT REV H
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REGAL-BELOIT CORPORATION	
DESCRIPTION CONN DIAGRAM-NAMEPLATE	
SIZE C	DWG NO 614131-265
SCALE NONE	SHEET 1