

# PRODUCT INFORMATION PACKET



Model No: 7FD6001A

Catalog No: 7FD6001A

MASTERFIT PRO® Fan and Blower Motor, 3/4-1/5 HP, 1 Ph, 60 Hz, 277 V, 1075 RPM, 4 Speed, 48 Frame,  
OAO



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**Nameplate Specifications**

Phase	1	Output HP	3/4-1/5 Hp
Output KW	0.56 kW	Voltage	277 V
Speed	1075 rpm	Service Factor	1.0
Frame	48Y	Enclosure	Open Air Over
Thermal Protection	Automatic	Ambient Temperature	40 °C
Frequency	60 Hz	Current	3.8 A
Duty	Continuous Air Over	Insulation Class	B
UL	Recognized	CSA	Y
CE	N	Number of Speeds	4

**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	4.86 in
Shaft Diameter	0.500 in	Shaft Extension	5.0 in
Connection Drawing	614131-265	Outline Drawing	7FD6001A-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)

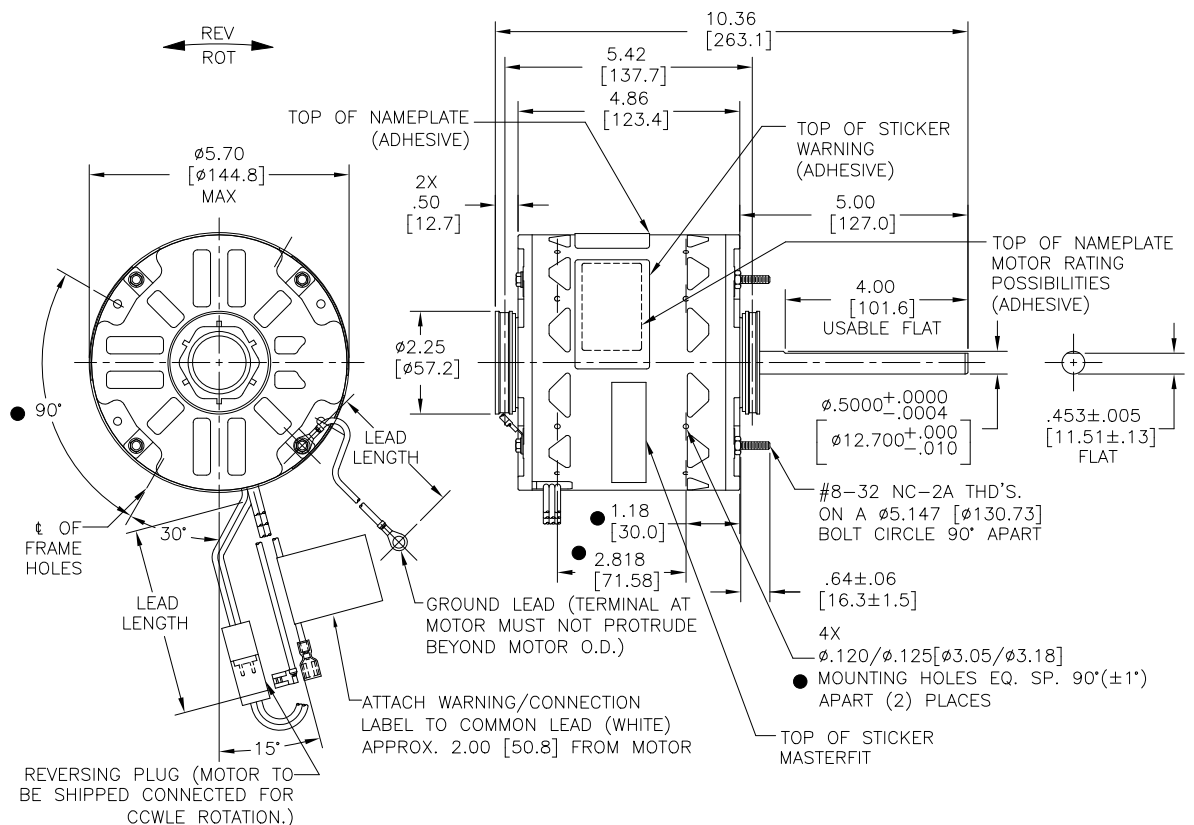
LINE LEADS: NO. 18 GA., .03 [.8] THK. XLP 125°C INSUL.

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

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

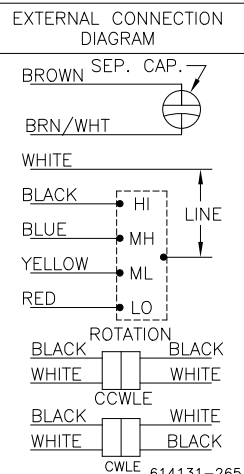
NOTES:

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.



NAMEPLATE DATA:

MODEL NO.: F48AE77A01  
 CUST. P/N: 7FD6001A  
 HP: 3/4-1/5  
 ROT.: REVERSIBLE  
 RPM: 1075/4 SPD.  
 TYPE: UF  
 FRAME: 48Y  
 VOLTS: 277  
 PH: 1  
 AMPS: 3.6 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



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] PRE-INSUL. FEMALE SPADE
BROWN/WHITE	36.5/39.5 [927/1003]	.25 [6.4] PRE-INSUL. FEMALE SPADE
RED	36.5/39.5 [927/1003]	.25 [6.4] PRE-INSUL. FEMALE SPADE
YELLOW	36.5/39.5 [927/1003]	.25 [6.4] FLAG
BLUE	36.5/39.5 [927/1003]	.25 [6.4] PRE-INSUL. FEMALE SPADE
BLACK	36.5/39.5 [927/1003]	.25 [6.4] PRE-INSUL. FEMALE SPADE
WHITE	36.5/39.5 [927/1003]	.25 [6.4] FLAG
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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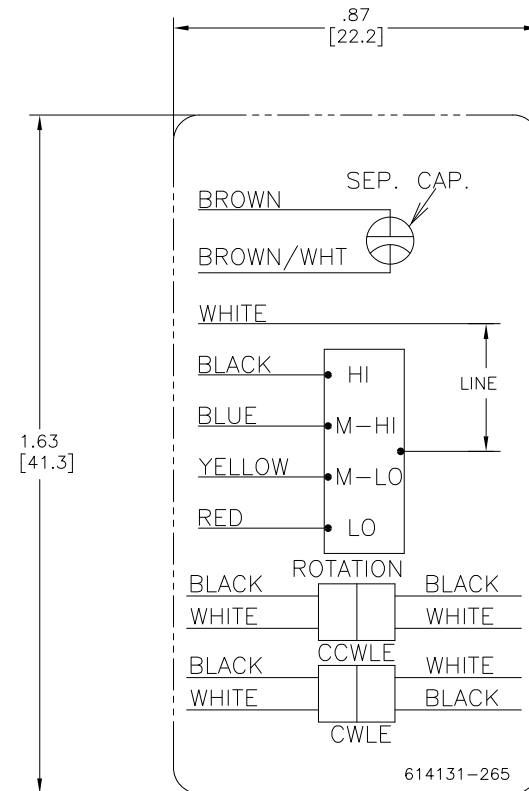
PERFORMANCE CURVE NO.	TORQUE @1075 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT	CSA
C0000687	57.8 OZ. FT.	X-0004024	FILE # CCN # FILE # CLASS #	E46412 PRGY2 LR43341 4211-01

LEAD DATA

DRAWING REVISION	REVISION BY	DATE
FA	ABH	02-01-2024
ECO	APPROVED BY	DATE
ECR-0231117	KEP	02-01-2024
ECO DESCRIPTION		
REVISED LEAD TERMINALS PER ECR		

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ENCLOSURE		DRAWN BY: Y.LIU		REGAL™ Regal Beloit America, Inc.
		DATE: 05-30-2011		
		APPROVED BY: M.H.E.		DESCRIPTION MODEL-RFHP-48FR OUTLINE
		DATE: 05-30-2011		
		REFERENCE		MATERIAL
		THIRD ANGLE PROJECTION		SIZE DWG NO
		C		7FD6001A
		SHEET 1		



- 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.

DRAWING REVISION G	REVISION BY J. RUPERT	DATE 04-19-2022	TOLERANCES UNLESS OTHERWISE SPECIFIED	DRAWN BY: JZ	Regal Beloit America, Inc.
ECO NMR-0213524	APPROVED BY J. RUPERT	DATE 04-19-2022	DEC. INCH mm ANGLE .X ±0.1 [±2.5] ±0.5° .XX ±0.02 [±0.51] .XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127]	DATE: 03-31-2011	
ECO DESCRIPTION REVISED FOR UP ISSUE			REMOVE BURRS & BREAK SHARP EDGES .003/.015 [0.076/.381] X 45° CORNER FILLETS R.02 [51] MACHINED SURFACES .125/ mm 32/ INCH mm	APPROVED BY: CZ	DESCRIPTION CONN DIAGRAM-NAMEPLATE
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			THIRD ANGLE PROJECTION	SIZE DWG NO C 614131-265	PROCESS/FINISH
					SHEET 1