

PRODUCT INFORMATION PACKET

Model No: FD6002A

Catalog No: FD6002A

1/3-1/8 HP Fan & Blower Motor, 825 RPM, 4 Speed, 208-230 Volts, 48 Frame, OAO



Regal and are trademarks of Regal Rexnord Corporation or one of its affiliated companies.
©2022 Regal Rexnord Corporation, All Rights Reserved. MC017097E

Nameplate Specifications

Output HP	1/3-1/8 Hp	Output KW	0.25 kW
Frequency	60 Hz	Voltage	208-230 V
Current	2.1 A	Speed	825 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	Number of Speeds	4

Technical Specifications

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	8	Rotation	Reversible
Mounting	Extended Studs	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	Flat
Overall Length	8.86 in	Frame Length	4.75 in
Shaft Diameter	0.500 in	Shaft Extension	3.5 in
Connection Drawing	614131-265	Outline Drawing	FD6002A-S01

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:04/21/2022

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.

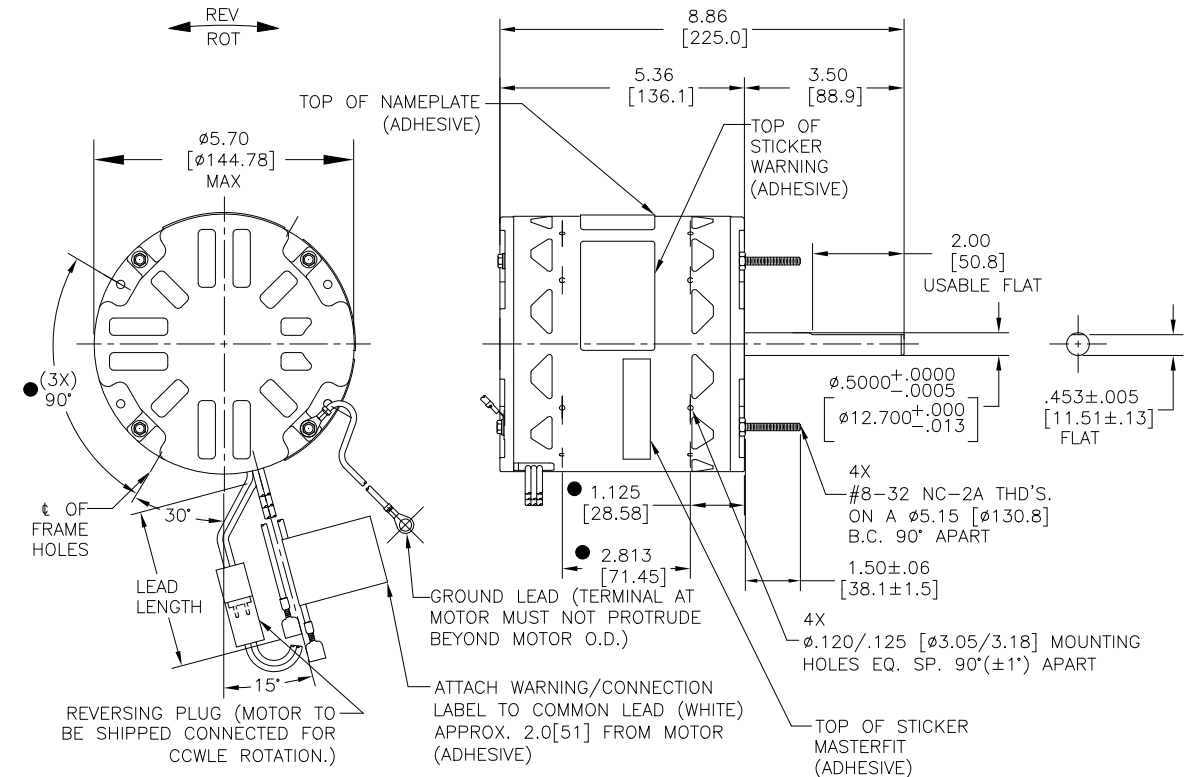
NOTES:

1. ● DENOTES CRITICAL CHARACTERISTICS.
2. (8) SCREWS 615982-001 (1) 2518746-001 CLAMP AND (1) CAPACITOR 2509074-001 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 AND REACH: SEE EP000014_5.1

NAMEPLATE DATA:
MODEL NO.: F48AF15A01
CUST. P/N: FD6002A
HP: 1/3-1/8
ROT.: REVERSIBLE
RPM: 825/4 SPD.
TYPE: UF
FRAME: 48
VOLTS: 208-230
PH: 1
AMPS: 2.1
HZ: 60
INS.: B
AMB.: 40° C
DUTY: AIR OVER
CAP.: 7.5 MFD/370 V
ENCL: OPEN
UL LOGO
CSA LOGO
THERMALLY PROTECTED

EXTERNAL CONNECTION DIAGRAM
BROWN SEP. CAP.
BRN/WHT
WHITE
BLACK HI
BLUE MH
YELLOW ML
RED LO
ROTATION
BLACK WHITE
WHITE CCWLE
BLACK WHITE
WHITE CWLE

PERFORMANCE CURVE NO.	TORQUE @825 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT	CSA		
			FILE #	CCN #	FILE #	CLASS #
C0000738	37.4 OZ. FT.	X-0005573	E46412	PRGY2	LR43341	4211-01



GREEN (GROUND)	9.0/11.0 [229/279]	.25 [6.4] RING
BLACK/WHITE	3.0/5.0 [76/127]	REVERSING PLUG
BROWN	34.5/37.5 [876/952]	.25 [6.4] PRE-INSUL. FEMALE SPADE
BROWN/WHITE	34.5/37.5 [876/952]	.25 [6.4] PRE-INSUL. FEMALE SPADE
RED	34.5/37.5 [876/952]	.25 [6.4] PRE-INSUL. FEMALE SPADE
YELLOW	34.5/37.5 [876/952]	.25 [6.4] PRE-INSUL. FEMALE SPADE
BLUE	34.5/37.5 [876/952]	.25 [6.4] PRE-INSUL. FEMALE SPADE
BLACK	34.5/37.5 [876/952]	.25 [6.4] PRE-INSUL. FEMALE SPADE
WHITE	34.5/37.5 [876/952]	.25 [6.4] PRE-INSUL. FEMALE SPADE
COLOR	LENGTH	TERMINAL OR STRIP LENGTH

LEAD DATA

DRAWING REVISION
G
ECO
NMR-0213524
ECO DESCRIPTION
REVISED FOR UP ISSUE

REVISION BY
J. RUPERT
DATE
04-18-2022

APPROVED BY
J. RUPERT
DATE
04-18-2022

COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. (OWNER) AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, WITHOUT THE EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.

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
----------	----------------------

DRAWN BY: H.ZHOU
DATE: 08-28-2012
APPROVED BY: D.ZHANG
DATE: 08-28-2012
REFERENCE

THIRD ANGLE PROJECTION

ENCLOSURE

REGAL™ Regal Beloit America, Inc.

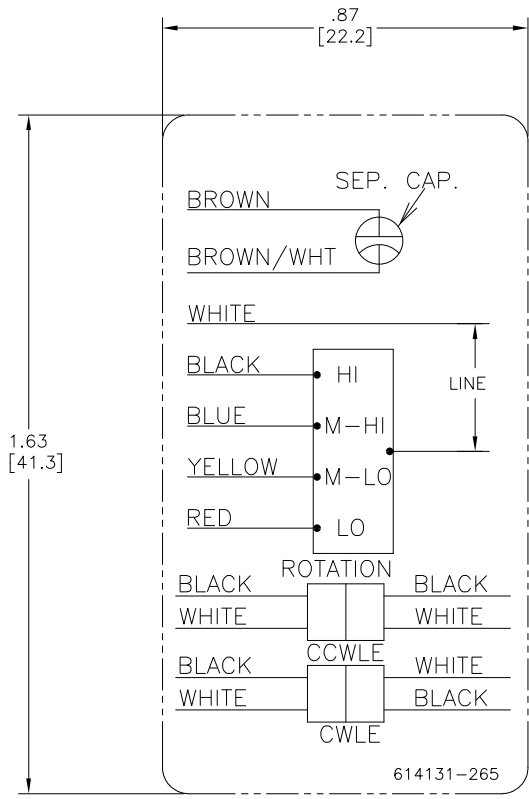
DESCRIPTION
MODEL-RFHP-48FR
OUTLINE

MATERIAL

PROCESS/FINISH

SIZE DWG NO
C FD6002A

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		
ECO DESCRIPTION REVISED FOR UP ISSUE				X	±0.1	[±2.5]	±0.5°	DATE: 03-31-2011	
				.XX	±0.02	[±0.51]		APPROVED BY: CZ	
				.XXX	±0.005	[±0.127]		DATE: 03-31-2011	
				.XXX	±0.0005	[±0.0127]		REFERENCE	
				REMOVE BURRS & BREAK SHARP EDGES .003/.015 [0.076/.381] X 45°		THIRD ANGLE PROJECTION		MATERIAL	
				CORNER FILLETS R.02 [51]		SIZE DWG NO		PROCESS/FINISH	
				MACHINED SURFACES		C		614131-265	
				mm SHOWN IN [BRACKETS]		1		SHEET	