

PRODUCT INFORMATION PACKET



Model No: FD1054

Catalog No: FD1054

Fan and Blower Motor, 1/2 HP, 1 Ph, 60 Hz, 208-230 V, 1625 RPM, 3 Speed, 48 Frame, OPEN



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Nameplate Specifications

Phase	1	Output HP	1/2 Hp
Output KW	0.37 kW	Voltage	208-230 V
Speed	1625 rpm	Service Factor	1
Frame	48Y	Enclosure	Open Enclosed
Thermal Protection	Automatic	Ambient Temperature	40 °C
Frequency	60 Hz	Current	2.8 A
Duty	Air Over	Insulation Class	A
UL	Recognized	CSA	Y
CE	N	Number of Speeds	3

Technical Specifications

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Mounting	Resilient Ring/Extended Studs	Motor Orientation	Any
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	Flat
Overall Length	12.05 in	Frame Length	4.50 in
Shaft Diameter	0.500 in	Shaft Extension	6.4 in
Outline Drawing	FD1054-S01	Connection Drawing	614131-111

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GENERAL INFORMATION:

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

BEARINGS: BALL

MOUNTING POSITION: ALL ANGLE

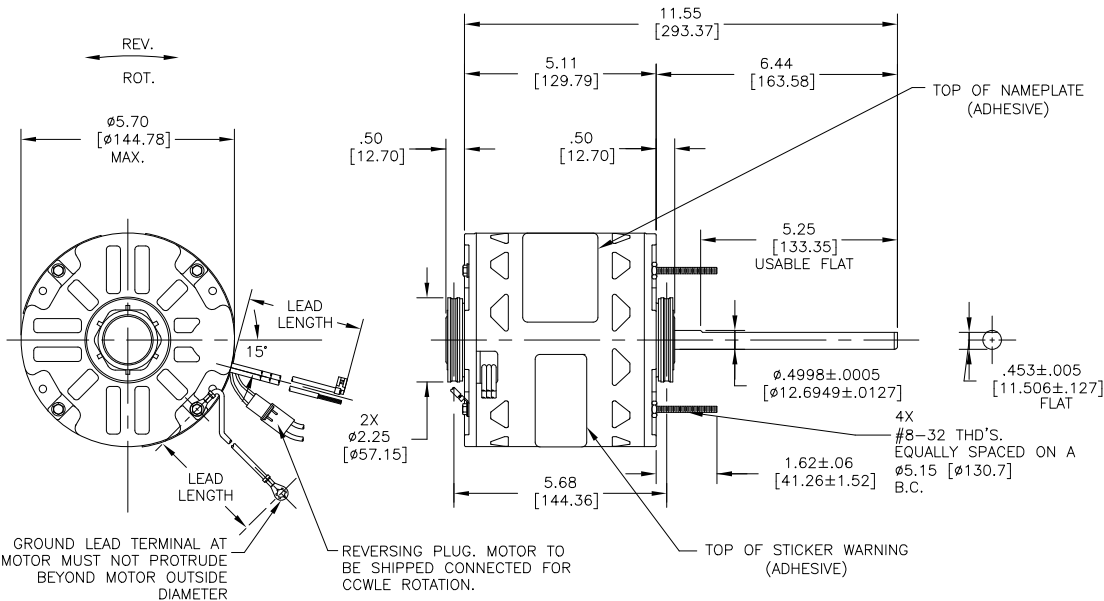
ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET SENSATA 7AM 032

LEADS: NO. 18 GA., .06 [1.52] THK., EPDM 125°C INSUL.

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

GROUND LEAD: NO. 18 GA., .03 [.76] THK., GREEN INSUL.



- NOTES:
- SNAP RINGS 615035 4 REQUIRED TO BE PACKED WITH EACH MOTOR
 - DISTRIBUTION: CUST. P/N: FD1054 GRAINGER: CUST. P/N: 4MA90
 - THE SYMBOL OF CTQ: ▲ (NO CTQ ON THIS DRAWING)
 - .MEET THE REQUIREMENT OF ROHS AND REACH: SEE EP000014_5.1

NAMEPLATE DATA: SEE NOTE 2

EXTERNAL CONNECTION DIAGRAM

MODEL NO: F48SN4L7
CUST. P/N: []
HP: 1/2
ROT.: REVERSIBLE
RPM: 1625/3 SPD.
TYPE: UF
FRAME: 48Y
VOLTS: 208-230
PH: 1
AMPS: 2.8 (5.0 MAX)
HZ: 60
INS.: A
AMB: 40°C
DUTY: AIR OVER
CAP.: 7.5 MFD/370V
ENCL: OPEN
CSA LOGO
UL LOGO
THERMALLY PROTECTED

614131-111

PERFORMANCE CURVE NO.	TORQUE @ 1625 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT	CSA
C23338	38.0 OZ. FT.	EX11400	E46412 PRGY2	LR43341 4211-01

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[12.70] SKIN
BLACK	26/28 [660/711]	.50[12.70] SKIN
BLUE	26/28 [660/711]	.50[12.70] SKIN
RED	26/28 [660/711]	.50[12.70] 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 FR. - OLE	OPEN
END FR. - OLE	OPEN
MAIN FR. - LE	OPEN
END FR. - LE	OPEN

ENCLOSURE

CUST	DISTRIBUTION SERVICES

DRAWING REVISION

DA	REVISION BY	DATE
ECO	ANJANI	11-11-2024
ECO	APPROVED BY	DATE
ECO	KEP	11-11-2024

ECO DESCRIPTION

REMOVED CONSERVATION LABEL AS PER ECR

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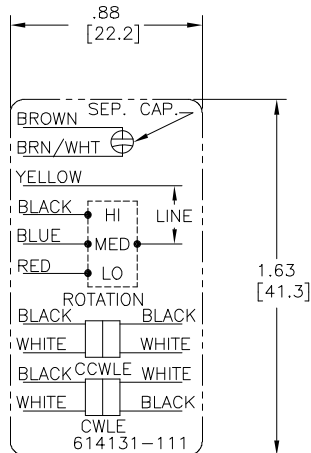
DRAWN BY: HANNA.ZOU
DATE: 08-07-2017
APPROVED BY: JASMINE.ZHU
DATE: 08-07-2017
PROCESS/FINISH: -
THIRD ANGLE PROJECTION

REGAL-BELOIT America, Inc.

MODEL-RFHP-48FR OUTLINE

SIZE DWG NO: C FD1054

SHEET 1



NOTES:

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

DRAWING REVISION D		REVISION BY J. RUPERT	DATE 04-14-2021	TOLERANCES UNLESS OTHERWISE SPECIFIED		DRAWN BY: J. RUPERT		 Regal Beloit America, Inc.			
ECO NMR-0208129		APPROVED BY J. RUPERT	DATE 04-14-2021	DEC.	INCH	mm	ANGLE			DATE: 05-25-2021	
ECO DESCRIPTION UP ISSUED				.X	±0.1	[±2.5]	±0.5°	APPROVED BY: T. RILEY	DESCRIPTION CONNECTION DIAGRAM EXTERNAL		
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				.XXX	±0.005	[±0.127]		REFERENCE	MATERIAL	PROCESS/FINISH	
				.XXXX	±0.0005	[±0.0127]		THIRD ANGLE PROJECTION	SIZE DWG NO	SHEET	
				REMOVE BURRS & BREAK SHARP EDGES .003/.015 [076/381] X 45° CORNER FILLETS R.02 [51] MACHINED SURFACES			mm SHOWN IN [BRACKETS]		A	614131-111	1