

# PRODUCT INFORMATION PACKET

Model No: ORM5458BF

Catalog No: ORM5458BF

1/3-1/6 HP Condenser Fan Motor, 1075 RPM, 1 Speed, 208-230 Volts, 48 Frame, TEAO



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### Nameplate Specifications

|                    |            |                     |                  |
|--------------------|------------|---------------------|------------------|
| Output HP          | 1/3-1/6 Hp | Output KW           | 0.25 kW          |
| Frequency          | 60 Hz      | Voltage             | 208-230 V        |
| Current            | 2.1 A      | Speed               | 1075 rpm         |
| Service Factor     | 1          | Phase               | 1                |
| Duty               | Air Over   | Insulation Class    | F                |
| Frame              | 48         | Enclosure           | Totally Enclosed |
| Thermal Protection | Automatic  | Ambient Temperature | 70 °C            |
| UL                 | Recognized | CSA                 | Y                |
| CE                 | N          | Number of Speeds    | 1                |

### Technical Specifications

|                    |                           |                       |                 |
|--------------------|---------------------------|-----------------------|-----------------|
| Electrical Type    | Permanent Split Capacitor | Starting Method       | Across The Line |
| Poles              | 6                         | Rotation              | Reversible      |
| Mounting           | Extended Studs            | Motor Orientation     | Any             |
| Drive End Bearing  | Ball                      | Opp Drive End Bearing | Ball            |
| Frame Material     | Rolled Steel              | Shaft Type            | Double Flat     |
| Overall Length     | 11.49 in                  | Frame Length          | 3.50 in         |
| Shaft Diameter     | 0.500 in                  | Shaft Extension       | 6.5 in          |
| Connection Drawing | 614131-242                | Outline Drawing       | ORM5458BF-S01   |

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## GENERAL INFORMATION:

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

BEARINGS: BALL

MOUNTING POSITION: ALL ANGLE

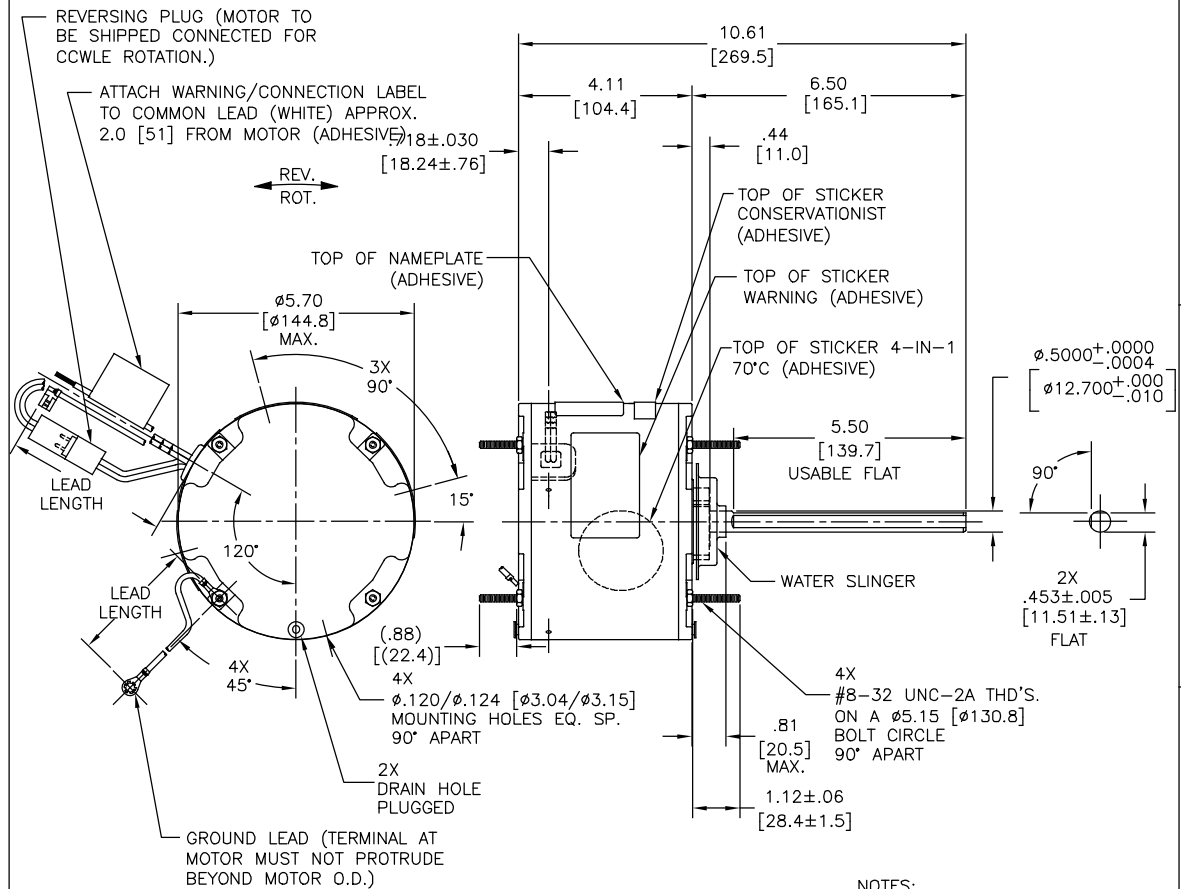
## ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET (SENSATA 7AM 304)

LINE LEADS: NO. 18 GA., .06[1.5] 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.



|                |                       |                          |
|----------------|-----------------------|--------------------------|
| GREEN (GROUND) | 12.0/13.0 [305/330]   | #10 EYELET               |
| BLACK/WHITE    | 3.0/5.0 [76/127]      | REVERSING PLUG           |
| BROWN          | 48.0/51.0 [1219/1295] | .25[6.4] FLAG            |
| BROWN/WHITE    | 48.0/51.0 [1219/1295] | .25[6.4] FLAG            |
| WHITE          | 48.0/51.0 [1219/1295] | .50[12.7] SKIN           |
| BLACK          | 48.0/51.0 [1219/1295] | .50[12.7] SKIN           |
| COLOR          | LENGTH                | TERMINAL OR STRIP LENGTH |

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DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.

|                  |          |
|------------------|----------|
| MAIN FRAME - OLE | ENCLOSED |
| END FRAME - OLE  | ENCLOSED |
| MAIN FRAME - LE  | ENCLOSED |
| END FRAME - LE   | ENCLOSED |

## NOTES:

1. ATTACH INSTRUCTION SHEET 681572-003 ONTO SHAFT APPROX. 1.0[25] FROM WATER SLINGER(OR 69P9-3 ONLY USED IN MEXICO)
2. (4)SCREWS 615982-001 & (4) EXTRA HEX NUTS 7555A19H01 TO BE PUT IN A POLYBAG.

| NAMEPLATE DATA:                                                                                                                                                                                                                                                                                           | EXTERNAL CONNECTION DIAGRAM                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| MODEL NO.: F48W88A01<br>CUST. P/N: ORM5458BF<br>HP: 1/3-1/6<br>ROT.: REVERSIBLE<br>RPM: 1075<br>TYPE: UF<br>FRAME: 48<br>VOLTS: 208-230<br>PH: 1<br>AMPS: 2.1<br>HZ: 60<br>INS.: F<br>AMB.: 70°C<br>DUTY: AIR OVER<br>CAP.: 7.5 MFD/370 V<br>ENCL: ENCLOSED<br>UL LOGO<br>CSA LOGO<br>THERMALLY PROTECTED | SEP. CAP.<br>BROWN<br>BRN/WHT<br>WHITE<br>BLACK<br>LINE<br>ROTATION<br>BLACK<br>WHITE<br>CCWLE<br>WHITE<br>CWLE |

| PERFORMANCE CURVE NO. | TORQUE @ 1075 RPM (25°C) | APPROVED SAMPLE | UL COMPONENT        | CSA                            |
|-----------------------|--------------------------|-----------------|---------------------|--------------------------------|
| C32514                | 32.6 OZ. FT.             | 0500467A        | FILE # E46412 PRGY2 | FILE # LR43341 CLASS # 4211-01 |

|                  |             |            |
|------------------|-------------|------------|
| DRAWING REVISION | REVISION BY | DATE       |
| F                | GEUNE ZHAO  | 05-23-2019 |
| ECO              | APPROVED BY | DATE       |
| ECO-0166568      | KEYUN GONG  | 05-23-2019 |
| ECO DESCRIPTION  |             |            |
| SEE ECO          |             |            |

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## ENCLOSURE

|                        |            |
|------------------------|------------|
| DRAWN BY:              | J.RUPERT   |
| DATE:                  | 01-16-2018 |
| APPROVED BY:           | J.RUPERT   |
| DATE:                  | 01-16-2018 |
| REFERENCE              |            |
| THIRD ANGLE PROJECTION |            |



Regal Beloit America, Inc.

## DESCRIPTION

MODEL-RFHP-48FR  
OUTLINE

## MATERIAL

-

## SIZE

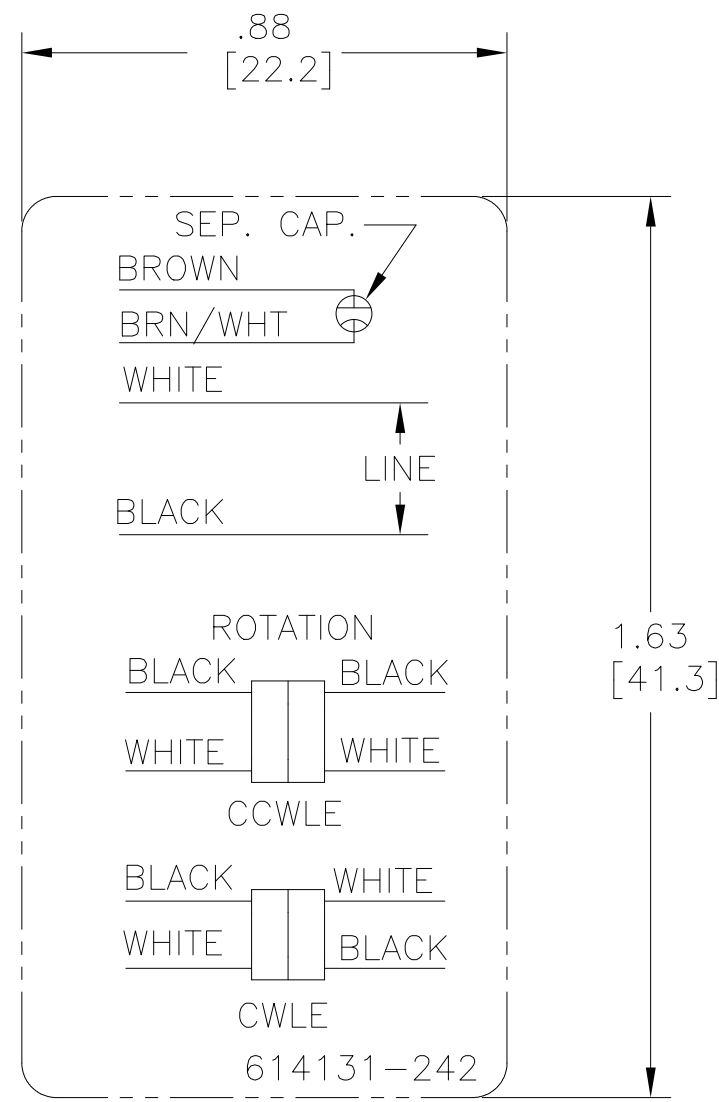
DWG NO. C

## PROCESS/FINISH

-

## SHEET

1



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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                          |                    |                                                                                                                                                                                                                                                                                                                                |                           |                                                                   |                  |            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------|------------------|------------|
| DRAWING REVISION<br>H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | REVISION BY<br>J. RUPERT | DATE<br>03-16-2022 | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED<br>DEC. INCH mm ANGLE<br>.X ±0.1 [±2.5] ±0.5°<br>.XX ±0.02 [±0.51]<br>.XXX ±0.005 [±0.127]<br>.XXXX ±0.0005 [±0.0127]<br>REMOVE BURRS & BREAK SHARP<br>EDGES .003/.015 [.076/.381] X 45°<br>CORNER FILLETS R.02 [.51]<br>MACHINED SURFACES 125/INCH mm 3.2/<br>mm SHOWN IN [BRACKETS] | DRAWN BY:<br>YL           | <div><div>REGAL™</div><div>Regal Beloit America, Inc.</div></div> |                  |            |
| ECO<br>NMR-0213140                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | APPROVED BY<br>J. RUPERT | DATE<br>03-16-2022 |                                                                                                                                                                                                                                                                                                                                | DATE:<br>04-15-2011       |                                                                   |                  |            |
| ECO DESCRIPTION<br>REVISED FOR UP ISSUED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                          |                    |                                                                                                                                                                                                                                                                                                                                | APPROVED BY:<br>HZ        | DESCRIPTION<br>CONNECTION DIAGRAM                                 |                  |            |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                          |                    |                                                                                                                                                                                                                                                                                                                                | REFERENCE                 | MATERIAL                                                          | PROCESS/FINISH   |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                          |                    |                                                                                                                                                                                                                                                                                                                                | THIRD ANGLE<br>PROJECTION | SIZE<br>A                                                         | DWG NO<br>4 of 4 | SHEET<br>1 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                          |                    |                                                                                                                                                                                                                                                                                                                                |                           | 614131-242                                                        |                  |            |