

# PRODUCT INFORMATION PACKET



Model No: FS1026S

Catalog No: FS1026S

Condenser Fan Motor, 1/4 HP, 1 Ph, 60 Hz, 208-230 V, 1075 RPM, 1 Speed, 48 Frame, SEMI ENCL



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### Nameplate Specifications

|                    |            |                     |               |
|--------------------|------------|---------------------|---------------|
| Phase              | 1          | Output HP           | 1/4 Hp        |
| Output KW          | 0.19 kW    | Voltage             | 208-230 V     |
| Speed              | 1075 rpm   | Service Factor      | 1.0           |
| Frame              | 48Y        | Enclosure           | Semi Enclosed |
| Thermal Protection | Automatic  | Ambient Temperature | 60 °C         |
| Frequency          | 60 Hz      | Current             | 1.8 A         |
| Duty               | Air Over   | Insulation Class    | B             |
| 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    | 10.93 in                  | Frame Length          | 3.38 in         |
| Shaft Diameter    | 0.500 in                  | Shaft Extension       | 6.4 in          |
| Outline Drawing   | FS1026S-S01               | Connection Drawing    | 614131-115      |

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## GENERAL INFORMATION.

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

BEARINGS: BALL

MOUNTING POSITION: HORIZONTAL OR VERTICAL SHAFT UP

## ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET (SENSATA 7AM 036)

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

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

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

GROUND LEAD TERMINAL AT MOTOR MUST NOT PROTRUDE BEYOND MOTOR O.D.

REV.  
ROT.Ø5.70  
[Ø144.7]  
MAX.

LEAD LENGTH

LEAD LENGTH

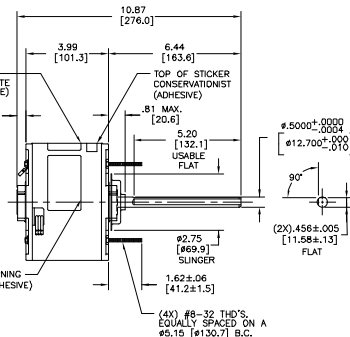
15°

TOP OF NAMEPLATE (ADHESIVE)

(2X) .44  
[11.0]

TOP OF WARNING STICKER (ADHESIVE)

REVERSING PLUG, MOTOR TO BE SHIPPED CONNECTED FOR CCWLE ROTATION.



## NOTES:

1. SNAP RINGS 615035, 4 REQUIRED, TO BE PACKED WITH EACH MOTOR
2. THE SYMBOL OF CTQ ▲ (NO CTQ ON DRAWING).
3. MEET THE REQUIREMENTS OF ROHS AND REACH: SEE E000014\_5.1

|             |                        |                          |
|-------------|------------------------|--------------------------|
| GREEN (GRD) | 12.0/13.0<br>[305/330] | #10 EYELET               |
| BLACK/WHITE | 3 0/5.0<br>[76/127]    | REVERSING PLUG           |
| BROWN/WHITE | 26.0/28.0<br>[660/711] | .25 [6.4] FLAG           |
| BROWN       | 26.0/28.0<br>[660/711] | .25 [6.4] FLAG           |
| YELLOW      | 26.0/28.0<br>[660/711] | .50 [12.7] SKIN          |
| BLACK       | 26.0/28.0<br>[660/711] | .50 [12.7] 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.

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

| CUSTOMER | DISTRIBUTION SERVICES |
|----------|-----------------------|
|----------|-----------------------|

| NAMEPLATE DATA:                                                                                                                                                                                                                                                                                |  | EXTERNAL CONNECTION DIAGRAM |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------|--|
| MODEL NO: F48SF6L5<br>CUST P/N: FS1026S<br>HP: 1/4<br>ROT: REVERSIBLE<br>RPM: 1075<br>TYPE: UF<br>FRAME: 48Y<br>VOLTS: 208-230<br>PH: 1<br>AMPS: 1.8<br>HZ: 60<br>INS.: B<br>AMB: 60°C<br>DUTY: AIR OVER<br>CAP.: 5 MFD/370V<br>ENCL: SEMI-ENCL.<br>CSA LOGO<br>UL LOGO<br>THERMALLY PROTECTED |  |                             |  |
| PERFORMANCE CURVE NO.                                                                                                                                                                                                                                                                          |  | APPROVED SAMPLE             |  |
| C22785                                                                                                                                                                                                                                                                                         |  | EX11133                     |  |
| TORQUE @1075 RPM (25°C)                                                                                                                                                                                                                                                                        |  | UL COMPONENT                |  |
| 27.6 OZ. FT.                                                                                                                                                                                                                                                                                   |  | FILE # CON # FILE # CLASS # |  |
|                                                                                                                                                                                                                                                                                                |  | E46412 PRG2 LR43341 4211-01 |  |

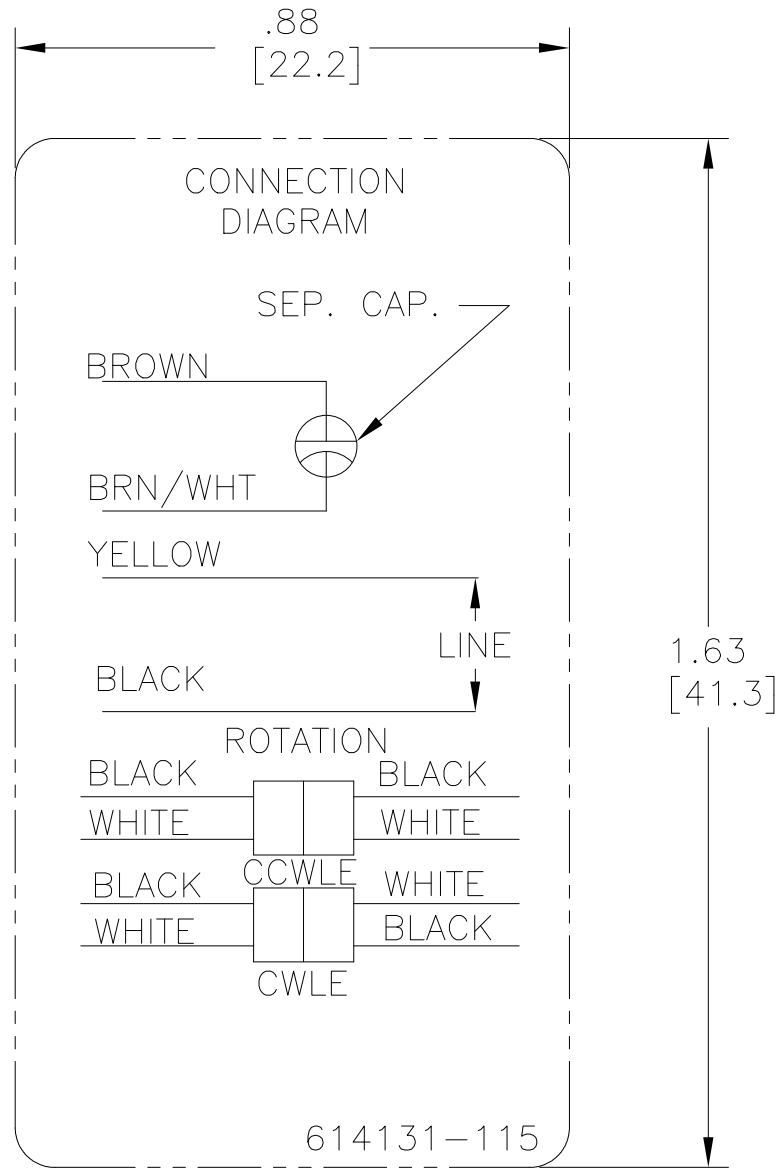
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|-----------------|------------|
| DESIGN REVISION | DATE       |
| 1. REVISED      | 03-02-2021 |
| 2. REVISED      | 03-02-2021 |
| 3. REVISED      | 03-02-2021 |
| 4. REVISED      | 03-02-2021 |
| 5. REVISED      | 03-02-2021 |
| 6. REVISED      | 03-02-2021 |
| 7. REVISED      | 03-02-2021 |
| 8. REVISED      | 03-02-2021 |
| 9. REVISED      | 03-02-2021 |
| 10. REVISED     | 03-02-2021 |

|                       |          |
|-----------------------|----------|
| DATE BY               | DATE     |
| 11-25-18              | 11-25-18 |
| APPROVED BY           | DATE     |
| 11-25-18              | 11-25-18 |
| PROCESS/PRINT         | DATE     |
| 11-25-18              | 11-25-18 |
| SHAW ANGLE PROJECTION | DATE     |
| 11-25-18              | 11-25-18 |

|                            |
|----------------------------|
| Regal Beloit America, Inc. |
| MODEL-RHP-48FR             |
| OUTLINE                    |
| FS1026S                    |

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



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |             |  |  |            |  |  |                                       |  |  |              |  |  |                                                                   |  |  |  |  |  |
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| DRAWING REVISION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  | REVISION BY |  |  | DATE       |  |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  |  | DRAWN BY:    |  |  | <div><div>REGAL™</div><div>Regal Beloit America, Inc.</div></div> |  |  |  |  |  |
| D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  | J. RUPERT   |  |  | 09-09-2021 |  |  |                                       |  |  | J. RUPERT    |  |  |                                                                   |  |  |  |  |  |
| ECO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  | APPROVED BY |  |  | DATE       |  |  | DEC.                                  |  |  | DATE:        |  |  | DESCRIPTION                                                       |  |  |  |  |  |
| NMR-0210333                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  | J. RUPERT   |  |  | 09-09-2021 |  |  | .X                                    |  |  | 06-24-2010   |  |  |                                                                   |  |  |  |  |  |
| ECO DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |             |  |  |            |  |  | .XX                                   |  |  | APPROVED BY: |  |  | CONN DIAGRAM EXTERNAL                                             |  |  |  |  |  |
| REVISED FOR UP ISSUE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |             |  |  |            |  |  | .XXX                                  |  |  | T. RILEY     |  |  |                                                                   |  |  |  |  |  |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |             |  |  |            |  |  | REMOVE BURRS & BREAK SHARP            |  |  | 06-24-2010   |  |  |                                                                   |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |             |  |  |            |  |  | EDGES .003/.015                       |  |  | REFERENCE    |  |  | SIZE                                                              |  |  |  |  |  |
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| mm SHOWN IN [BRACKETS]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |             |  |  | 4 of 4     |  |  |                                       |  |  |              |  |  |                                                                   |  |  |  |  |  |
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