

PRODUCT INFORMATION PACKET



Model No: FE1026SU
Catalog No: FE1026SU

HEATMASTER® ULTRA Condenser Fan Motor, 1/4 HP, 1 Ph, 60 Hz, 208-230 V, 1075 RPM, 1 Speed, 48 Frame, TEAO

Operational at 208-230 V @60HZ



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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 | 48 | Enclosure | Totally Enclosed Air Over |
| Thermal Protection | Automatic | Ambient Temperature | 80 °C |
| Frequency | 60 Hz | Current | 2.0 A |
| Duty | Air Over | Insulation Class | F |
| 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 | 11.74 in | Frame Length | 4.44 in |
| Shaft Diameter | 0.500 in | Shaft Extension | 6.5 in |
| Outline Drawing | FE1026SU_FA | Connection Drawing | 614131-242 |

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GENERAL INFORMATION:

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

BEARINGS: BALL

MOUNTING POSITION: ALL ANGLE

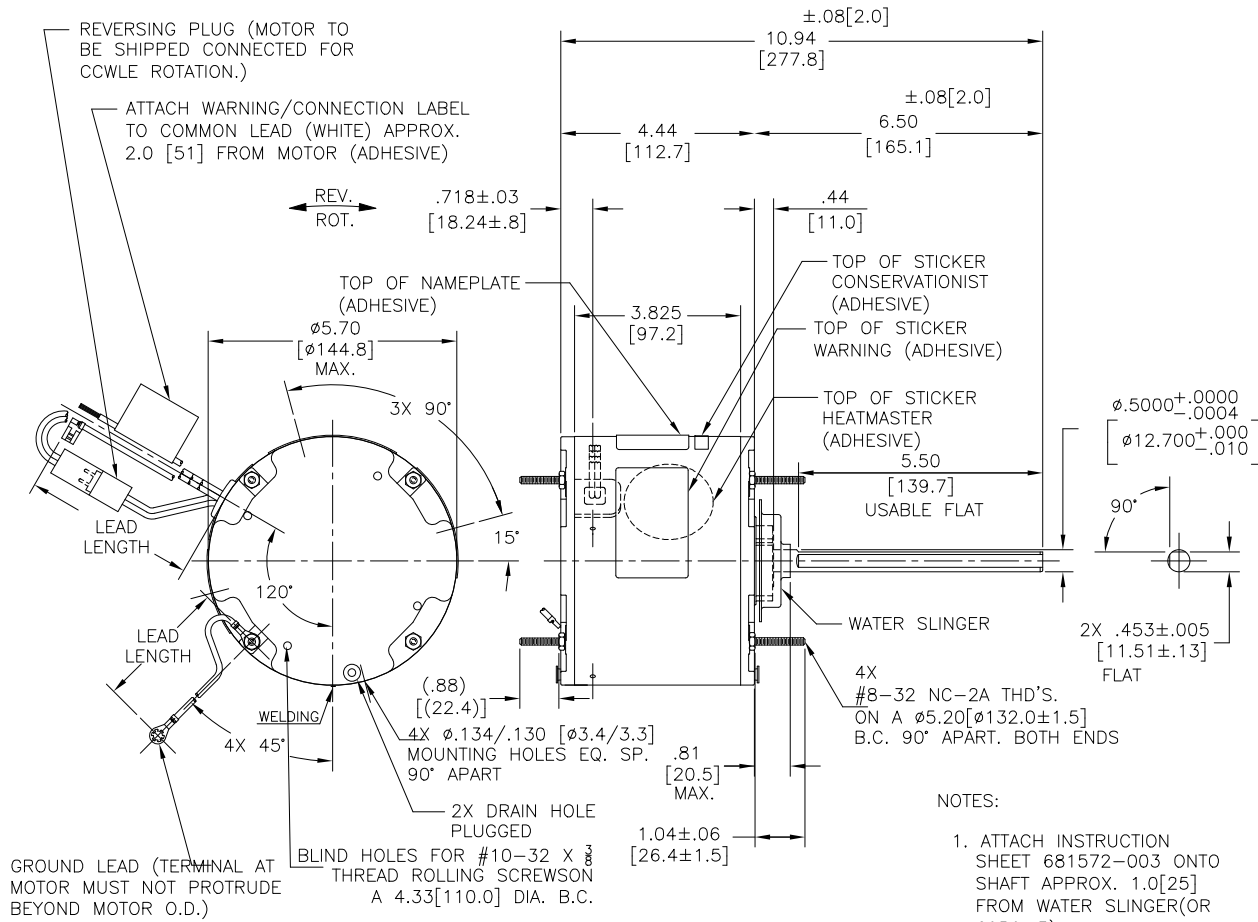
ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET (T.I. 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.



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

- NOTES:
1. ATTACH INSTRUCTION SHEET 681572-003 ONTO SHAFT APPROX. 1.0[25] FROM WATER SLINGER (OR 69P9-3)
 2. (4) SCREWS N194P1504B9 & (4) EXTRA HEX NUTS N238P15B9 & 4x SCREW 13833003 TO BE PUT IN A POLYBAG.
 3. ALL LABEL READ FROM LE
 4. SPRING SHIM IN OLE SIDE

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

| | | |
|----------------|-----------------------|--------------------------|
| 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 |

REF. FE1026SF NAMEPLATE DATA:

MODEL NO.: 5KCP39HGDD934S
 CUST. P/N: FE1026SU
 HP: 1/4
 ROT.: REVERSIBLE
 RPM: 1075
 TYPE: UF
 FRAME: 48
 VOLTS: 208-230
 PH: 1
 AMPS: 2.0
 HZ: 60
 INS.: F
 AMB.: 80°C
 DUTY: AIR OVER
 CAP.: 5 MFD/370 V
 THERMALLY PROTECTED

REGAL
E27885
MADE IN INDIA

EXTERNAL CONNECTION DIAGRAM

SEP. CAP.

BROWN

BRN/WHT

WHITE

BLACK

ROTATION

BLACK

WHITE

CCWLE

WHITE

CWLE

614131-242

LEAD DATA

| | | |
|------------------|-------------|----------|
| DRAWING REVISION | REVISION BY | DATE |
| A | MG | 29.05.23 |
| ECO | APPROVED BY | DATE |
| NMR-0224614 | LS | 29.05.23 |
| ECO DESCRIPTION | | |
| NEW DRAWING | | |

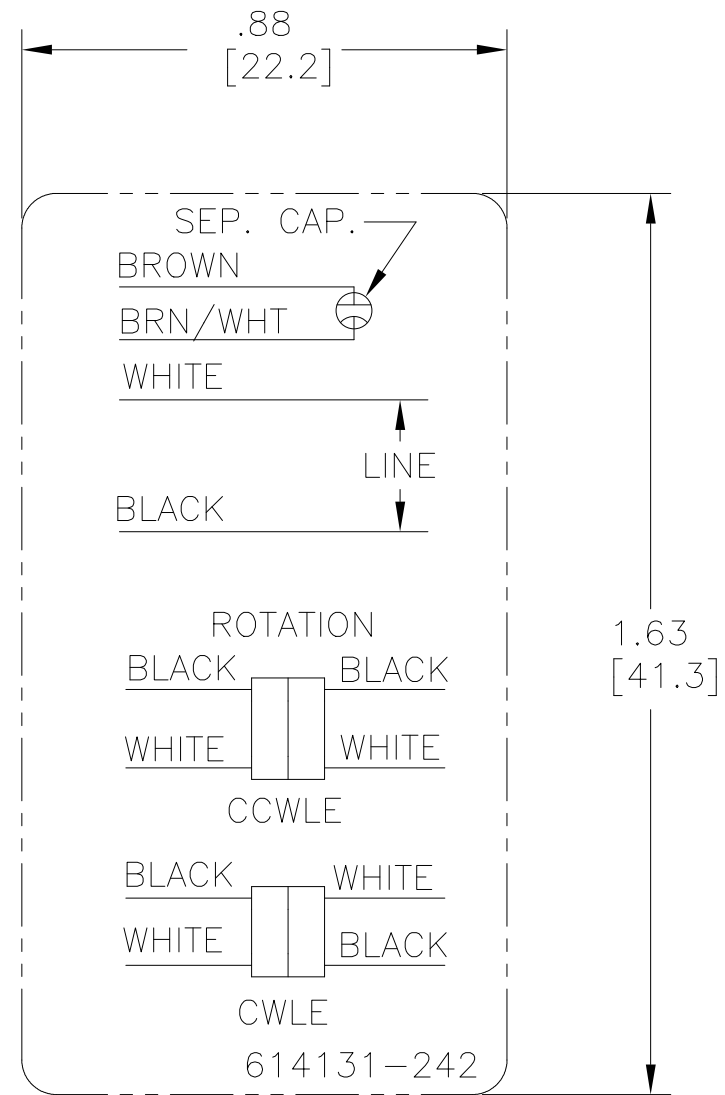
ENCLOSURE

| | | |
|------------------------|----------|-------------------------|
| DRAWN BY: | DATE: | DESCRIPTION: |
| MK | 29.05.23 | MODEL-RFHP-48FR OUTLINE |
| APPROVED BY: | DATE: | MATERIAL: |
| LS | 29.05.23 | PROCESS/FINISH: |
| REFERENCE: | SIZE | DWG NO |
| THIRD ANGLE PROJECTION | C | FE1026SU_FA |

CUSTOMER: Regal Beloit America, Inc.

DISTRIBUTION SERVICE

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 H | REVISION BY J. RUPERT | DATE 03-16-2022 |
| ECO NMR-0213140 | APPROVED BY J. RUPERT | DATE 03-16-2022 |

ECO DESCRIPTION
REVISED FOR UP ISSUED

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| | | | |
|---|---------|-----------|-------|
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | | |
| 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] | |
| REMOVE BURRS & BREAK SHARP EDGES .003/.015 [0.076/.381] X 45° | | | |
| CORNER FILLETS R.02 [51] | | | |
| MACHINED SURFACES | | | |
| | INCH | mm | |
| | 125 | 3.2 | |
| mm SHOWN IN [BRACKETS] | | | |

| | |
|------------------------|--|
| DRAWN BY: YL | |
| DATE: 04-15-2011 | |
| APPROVED BY: HZ | |
| DATE: 04-15-2011 | |
| REFERENCE | |
| THIRD ANGLE PROJECTION | |

| | |
|---|------------------|
| Regal Beloit America, Inc. | |
| DESCRIPTION CONNECTION DIAGRAM EXTERNAL | |
| MATERIAL | PROCESS/FINISH |
| SIZE A | DWG NO 4 of 4 |
| 614131-242 | |
| SHEET 1 | |