

PRODUCT INFORMATION PACKET



Model No: FDL6001A

Catalog No: FDL6001A

MASTERFIT PRO® Fan and Blower Motor, 1/2-1/6 HP, 1 Ph, 60 Hz, 115 V, 1075 RPM, 4 Speed, 48 Frame,
OPEN



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Nameplate Specifications

| | | | |
|---------------------|---------------|--------------------|------------|
| Output HP | 1/2-1/6 Hp | Output KW | 0.37 kW |
| Frequency | 60 Hz | Voltage | 115 V |
| Current | 7.0 A | Speed | 1075 rpm |
| Service Factor | 1 | Phase | 1 |
| Efficiency | 64.3 % | Duty | Air Over |
| Insulation Class | F | 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 | 6 | Rotation | Reversible |
| Mounting | Resilient Ring/Extended Studs | Motor Orientation | Horizontal |
| Drive End Bearing | Ball | Opp Drive End Bearing | Ball |
| Frame Material | Rolled Steel | Shaft Type | Flat |
| Overall Length | 10.36 in | Frame Length | 4.25 in |
| Shaft Diameter | 0.500 in | Shaft Extension | 5.0 in |
| Connection Drawing | 614131-265 | Outline Drawing | FDL6001A_FA |

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GENERAL INFORMATION:

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

BEARINGS: BALL

MOUNTING POSITION: HORIZONTAL

ELECTRICAL DATA:

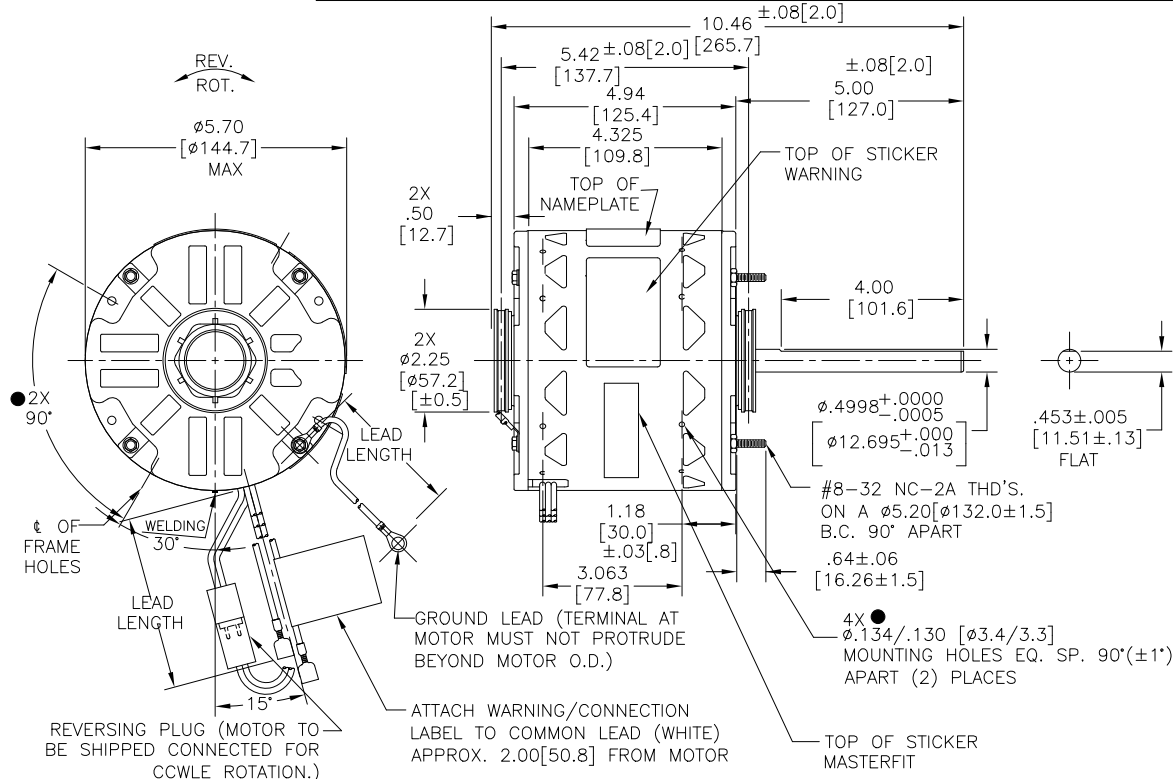
OVERLOAD PROTECTOR: AUTOMATIC RESET (SENSATA 7AM 036)

LINE 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.

| REV | ECO | REV BY | DATE | APPD | DATE |
|-----|---|--------|----------|------|----------|
| F | ECR-0216351 CONSERVATIONIST LABEL REMOVED | MG | 06-04-22 | LS | 06-04-22 |



| | | |
|----------------|----------------------|--------------------------|
| GREEN (GROUND) | 9.0/11.0 [229/279] | .25[6.4] RING |
| BLACK/WHITE | 3.0/5.0 [76/127] | REVERSING PLUG |
| BROWN | 36.5/39.5 [927/1003] | .25[6.4] FEMALE |
| BROWN/WHITE | 36.5/39.5 [927/1003] | .25[6.4] FEMALE |
| RED | 36.5/39.5 [927/1003] | .25[6.4] FEMALE |
| YELLOW | 36.5/39.5 [927/1003] | .25[6.4] FEMALE |
| BLUE | 36.5/39.5 [927/1003] | .25[6.4] FEMALE |
| BLACK | 36.5/39.5 [927/1003] | .25[6.4] FEMALE |
| WHITE | 36.5/39.5 [927/1003] | .25[6.4] FEMALE |
| COLOR | LENGTH | TERMINAL OR STRIP LENGTH |

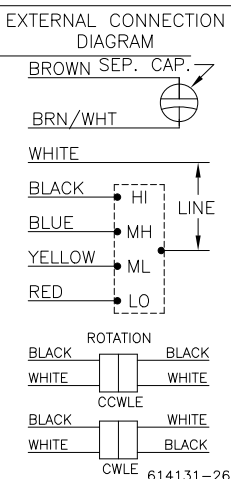
NOTES:

- DENOTES CRITICAL CHARACTERISTICS.
- (4) SPLIT RING ADAPTOR 615035 (OR 53P26-1 ONLY USED IN MEXICO),
(8) SCREWS N194P1504B9, (1) 2518746-001 CLAMP AND (1) CAPACITOR 2509074-001 TO BE PUT IN A POLYBAG & BE PACKED WITH EACH MOTOR.
- ALL LABEL READ FROM LE.
- SPRING SHIM/THRUST WASHER IN OLE SIDE.

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

| | |
|----------|----------------------|
| CUSTOMER | DISTRIBUTION SERVICE |
|----------|----------------------|

SAMPLE SM20-040
NAMEPLATE DATA:
MODEL NO.: 5KCP39MGDD728S
CUST. P/N: FDL6001A
HP: 1/2 MAX.
ROT.: REVERSIBLE
RPM: 1075/4 SPD.
TYPE: UF
FRAME: 48Y
VOLTS: 115
PH: 1
AMPS: 7.0
HZ: 60
INS.: B
AMB.: 40° C
DUTY: AIR OVER
CAP.: 10 MFD/370 V
THERMALLY PROTECTED



GEOMETRIC CHARACTERISTICS & SYMBOLS

- FLATNESS
- STRAIGHTNESS
- ∠ ANGULARITY
- ⊥ PERPENDICULARITY (SQUARENESS)
- ∥ PARALLELISM
- ROUNDNESS (CIRCULARITY)
- ⊘ CYLINDRICITY
- ⌒ PROFILE OF ANY SURFACE
- ⌒ PROFILE OF ANY LINE
- ⌒ RUNOUT
- ⊕ TRUE POSITION
- ⊙ CONCENTRICITY
- ≡ SYMMETRY

ASME Y14.5M 1994

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DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.

DR BY: MK 20.01.20

APPD: LS 20.01.20

THIRD ANGLE PROJECTION

EDS DATE

FORMAT REV H

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REGAL REGAL-BELOIT CORPORATION

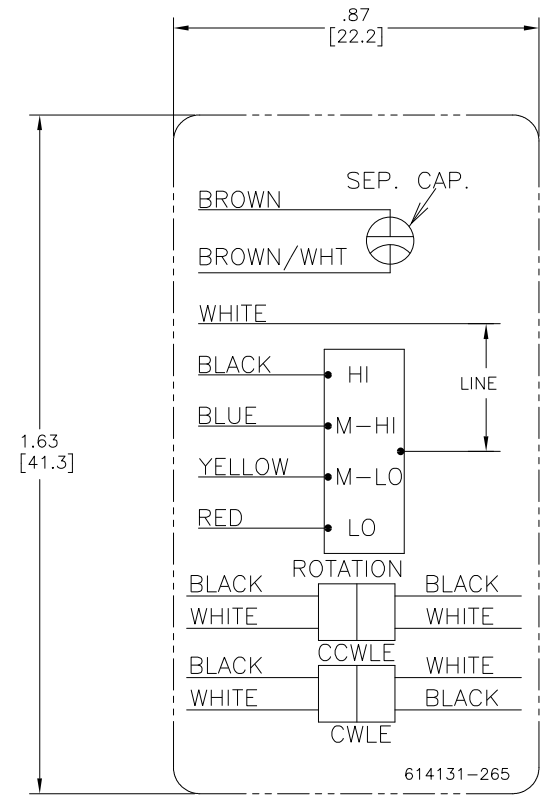
DESCRIPTION: MODEL-RFHP-48FR OUTLINE

SIZE: C DWG NO: FDL6001A_FA

SCALE: NONE SHEET: 1

A

A



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 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] | DRAWN BY: JZ | Regal Beloit America, Inc. |
| ECO NMR-0213524 | APPROVED BY J. RUPERT | DATE 04-19-2022 | REMOVED BURRS & BREAK SHARP EDGES .003/.015 [0.076/.381] X 45° CORNER FILLETS R.02 [51] MACHINED SURFACES .125/ mm 32/ INCH mm 32/ mm SHOWN IN [BRACKETS] | DATE: 03-31-2011 | |
| ECO DESCRIPTION REVISED FOR UP ISSUE | | | | APPROVED BY: CZ | DESCRIPTION CONN DIAGRAM-NAMEPLATE |
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| | | | | REFERENCE | PROCESS/FINISH |
| | | | | THIRD ANGLE PROJECTION | SIZE DWG NO C 614131-265 |
| | | | | | SHEET 1 |