

PRODUCT INFORMATION PACKET



Model No: FDL6001

Catalog No: FDL6001

MASTERFIT™ Fan and Blower Motor, 1/2 MAX HP, 1 Ph, 60 Hz, 115 V, 1075 RPM, 4 Speed, 48 Frame, OPEN



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Nameplate Specifications

Phase	1	Output HP	1/2 MAX Hp
Output KW	0.37 kW	Voltage	115 V
Speed	1075 rpm	Service Factor	1.0
Frame	48Y	Enclosure	Open Enclosed
Thermal Protection	Automatic	Efficiency	64.3 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	7.0 MAX A	Duty	Air Over
Insulation Class	B	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 in
Connection Drawing	614131-265	Outline Drawing	FDL6001_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.

SAMPLE SM20-001
NAMEPLATE DATA:

MODEL NO.: 5KCP39MGDD707S
CUST. P/N: FDL6001
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

EXTERNAL CONNECTION
DIAGRAM

BROWN SEP. CAP.

BRN/WHT

WHITE

BLACK

BLUE

YELLOW

RED

ROTATION

BLACK

WHITE

BLACK

WHITE

WHITE

BLACK

CCWLE

CWLE

BLACK

WHITE

WHITE

BLACK

CCWLE

CWLE

MADE IN INDIA

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

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.

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] FLAG
BROWN/WHITE	36.5/39.5 [927/1003]	.25[6.4] FLAG
RED	36.5/39.5 [927/1003]	.25[6.4] FLAG
YELLOW	36.5/39.5 [927/1003]	.25[6.4] FLAG
BLUE	36.5/39.5 [927/1003]	.25[6.4] FLAG
BLACK	36.5/39.5 [927/1003]	.25[6.4] FLAG
WHITE	36.5/39.5 [927/1003]	.25[6.4] FLAG
COLOR	LENGTH	TERMINAL OR STRIP LENGTH

LEAD DATA

DR BY: MK

20.01.20

APPD: LS

20.01.20

THIRD ANGLE PROJECTION

EDS DATE -

FORMAT REV G

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NOTES:

△ DENOTES CRITICAL CHARACTERISTICS

- (4) SPLIT RING ADAPTOR 615035, (8) SCREWS N194P1504B9 TO BE PUT IN A POLYBAG & BE PACKED WITH EACH MOTOR
- DISTRIBUTION: CUST. P/N: FDL6001 GRAINGER: CUST. P/N: 4ME32
- 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

ENCLOSURE

CUSTOMER DISTRIBUTION SERVICE



REGAL-BELOIT CORPORATION

DESCRIPTION

MODEL-RFHP-48FR
OUTLINE

SIZE

C

DWG NO

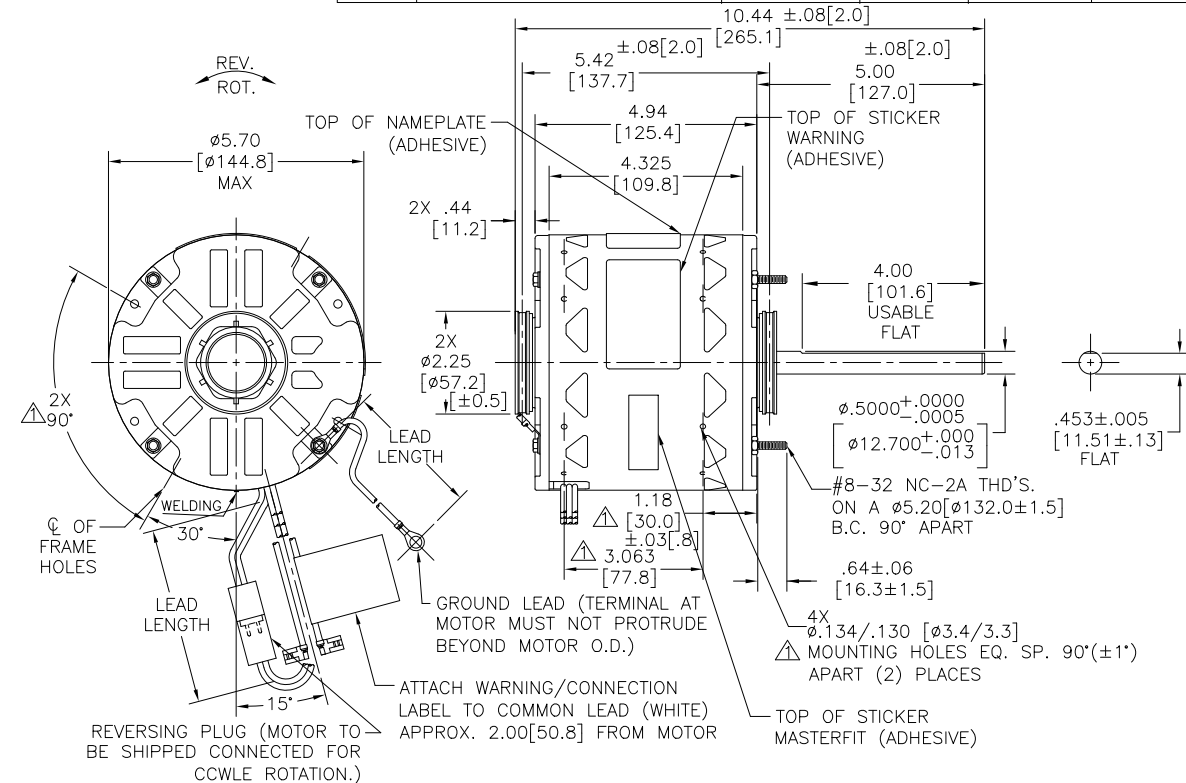
FDL6001_FA

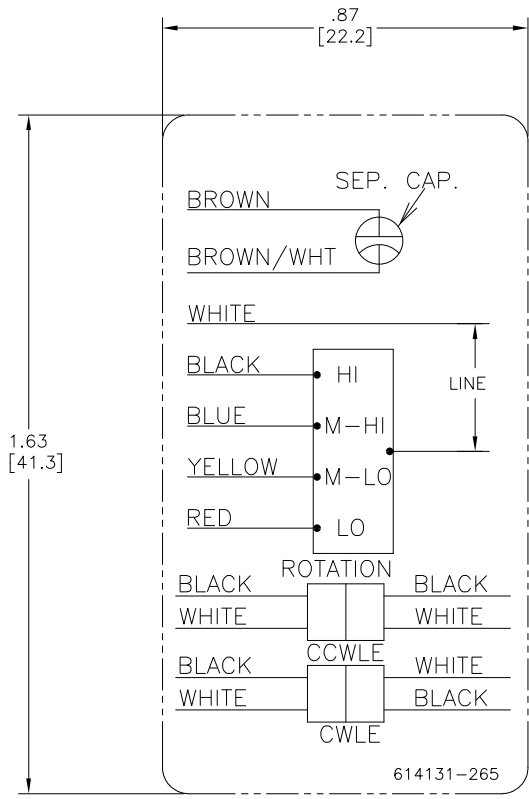
SCALE

NONE

SHEET 1

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





- 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		REVISION BY	DATE	TOLERANCES UNLESS OTHERWISE SPECIFIED			DRAWN BY:	
ECO		J. RUPERT	04-19-2022	DEC. INCH mm ANGLE			JZ	
NMR-0213524		J. RUPERT	04-19-2022	X ±0.1 [±2.5]			DATE:	
ECO DESCRIPTION		REVISED FOR UP ISSUE		.XX ±0.02 [±0.51]			APPROVED BY:	
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		XXXX ±0.0005 [±0.0127]		REMOVE BURRS & BREAK SHARP			REFERENCE	
		EDGES .003/.015 [0.076/.381] X 45°		CORNER FILLETS R.02 [51]			THIRD ANGLE PROJECTION	
		MACHINED SURFACES		INCH mm 32			SIZE DWG NO	
		mm SHOWN IN [BRACKETS]					C	

REGAL™ Regal Beloit America, Inc.	
DESCRIPTION	
CONN DIAGRAM-NAMEPLATE	
MATERIAL	PROCESS/FINISH
SIZE DWG NO	614131-265
C	SHEET 1