

PRODUCT INFORMATION PACKET



Model No: FE1036SU

Catalog No: FE1036SU

HEATMASTER® ULTRA Condenser Fan Motor, 1/3 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	1/3 Hp
Output KW	0.25 kW	Voltage	208-230 V
Speed	1075 rpm	Service Factor	1
Frame	48	Enclosure	Totally Enclosed Air Over
Thermal Protection	Automatic	Efficiency	72 %
Ambient Temperature	80 °C	Frequency	60 Hz
Current	2.5 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	12.24 in	Frame Length	4.25 in
Shaft Diameter	0.500 in	Shaft Extension	6.5 in
Connection Drawing	614131-242	Outline Drawing	FE1036SU-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 (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.

NAMEPLATE DATA:

MODEL NO.: F48AF27A01
CUST. P/N: FE1036SU
HP: 1/3
ROT.: REVERSIBLE
RPM: 1075
TYPE: UF
FRAME: 48
VOLTS: 230
PH: 1
AMPS: 2.5
HZ: 60
INS.: F
AMB.: 80°C
DUTY: AIR OVER
CAP.: 7.5 MFD/370 V
ENCL: ENCLOSED
UL LOGO
CSA LOGO
THERMALLY PROTECTED

EXTERNAL CONNECTION DIAGRAM

SEP. CAP. 7

BROWN
BRN/WHT

WHITE
LINE

BLACK
LINE

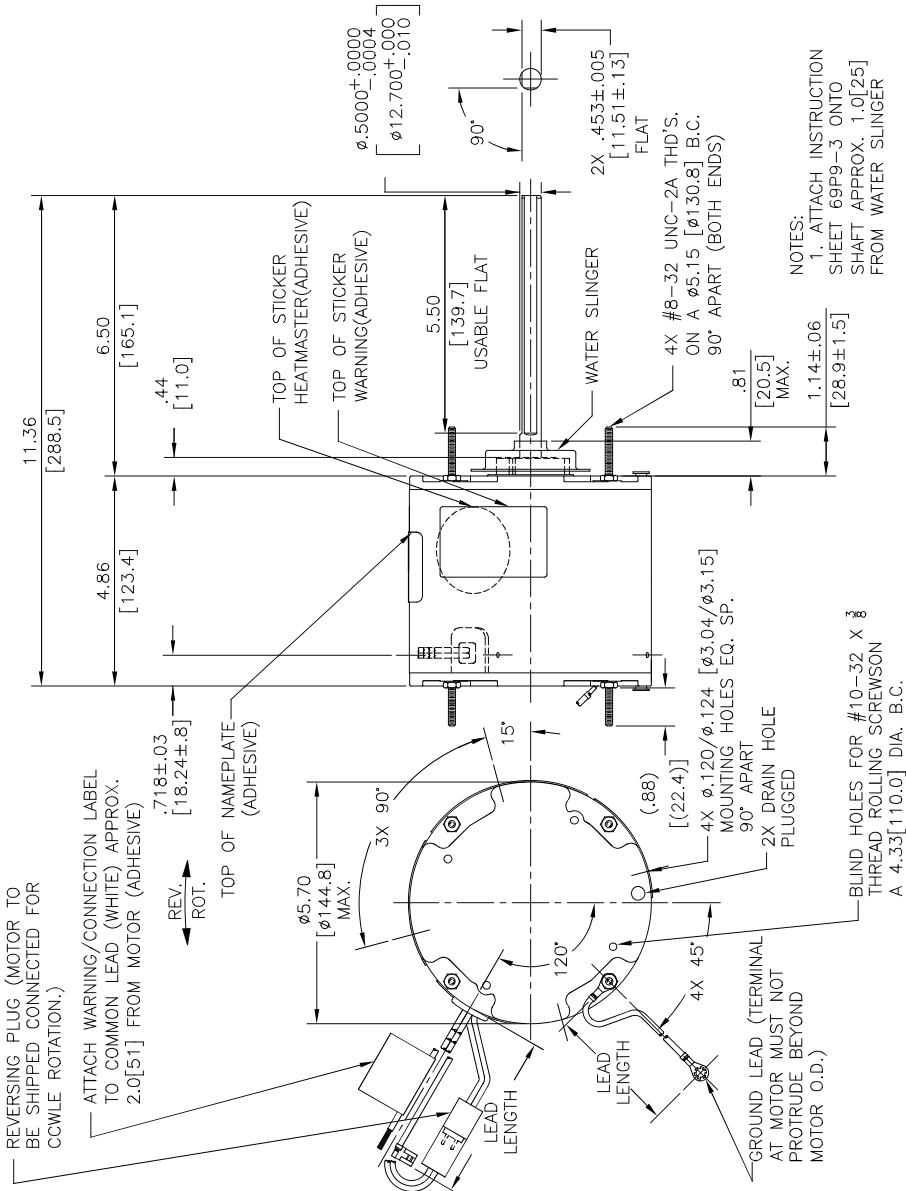
ROTATION

BLACK
WHITE
BLACK
WHITE

BLACK
WHITE
BLACK
WHITE

CSA LOGO

PERFORMANCE CURVE NO.	TORQUE @ 1075 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT			CSA
			FILE #	CCN #	FILE #	
C32512	42.9 OZ. FT.	0500464A	E48412	PRGY2	LR43341	4211-01



NOTES:
1. ATTACH INSTRUCTION SHEET 69P9-3 ONTO SHAFT APPROX. 1.0[25] FROM WATER SLINGER
2. 4X SCREWS 615982-001 & 4X HEX NUTS 7555A19H01 & 4X SCREWS 13833003 TO BE PUT IN A POLYBAG.
3. R&HS & REACH REQUIREMENT SEE EP000014.
4. CTQ REQUIREMENT SEE EP000105-008.

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

CRITICAL TO QUALITY CHARACTERISTICS (CTQ)	DRAWING	REVISION	REASON BY	DATE
GA	11/11/2024		REVIEWED BY	11/11/2024
ECO	0238477	KEP	APPROVED BY	11/11/2024
ECO DESCRIPTION	REMOVED CONSERVATION AS PER ECR			
ENGINEERING	REMOVED CONSERVATION AS PER ECR			
APPLICATION	REMOVED CONSERVATION AS PER ECR			
REGULATORY	REMOVED CONSERVATION AS PER ECR			
LIFE	REMOVED CONSERVATION AS PER ECR			

LEAD DATA	LEAD DATA	LEAD DATA	LEAD DATA	LEAD DATA
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	12.19/1295	TERMINAL OR STRIP LENGTH		

ENCLOSURE

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

CUSTOMER

DISTRIBUTION SERVICE

REGAL

Regal Beloit America, Inc.

OUTLINE

DATE

11/11/2024

REVIEWED BY

11/11/2024

APPROVED BY

11/11/2024

THUANG

DATE

11/11/2024

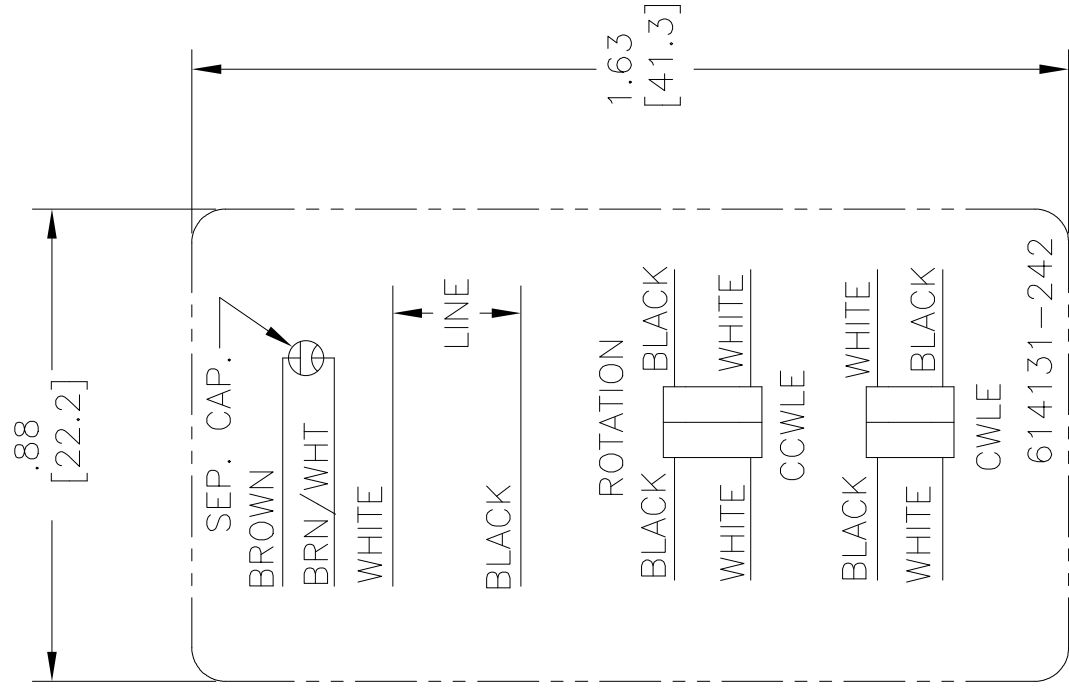
PROCESS/FINISH

11/11/2024

THIRD ANGLE PROJECTION

FE1036SU

SHEET 1



NOTES:

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

DRAWING REVISION		REVISION BY	DATE	TOLERANCES UNLESS OTHERWISE SPECIFIED			DRAWN BY:		 REGAL™ Regal Beloit America, Inc.	
H		J. RUPERT	03-16-2022	DEC.	INCH	mm	YL			
ECO		APPROVED BY	DATE	.X	±0.1	[±2.5]	DATE:			
NMR-0213140		J. RUPERT	03-16-2022	.XX	±0.02	[±0.51]	04-15-2011			
ECO DESCRIPTION				.XXX	±0.005	[±0.127]	APPROVED BY:	DESCRIPTION		
REVISED FOR UP ISSUED				.XXXX	±0.0005	[±0.0127]	HZ			
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				CORNER FILLETS R.02 [51]			REFERENCE	04-15-2011		
				MACHINED SURFACES $\sqrt[.125]{}$ $\sqrt[.32]{}$ mm			MATERIAL		PROCESS/FINISH	
				mm SHOWN IN [BRACKETS]			SIZE	DWG NO		
				THIRD ANGLE PROJECTION			A	4 of 4	614131-242	SHEET
										1