

PRODUCT INFORMATION PACKET



Model No: 788A

Catalog No: 788A

Condenser Fan Motor, 1/4 HP, 1 Ph, 60 Hz, 460 V, 1075 RPM, 1 Speed, 48 Frame, TEAO



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Nameplate Specifications

Phase	1	Output HP	1/4 Hp
Output KW	0.19 kW	Voltage	460 V
Speed	1075 rpm	Service Factor	1.0
Frame	F48Y	Enclosure	Totally Enclosed Air Over
Thermal Protection	Automatic	Efficiency	66 %
Ambient Temperature	60 °C	Frequency	60 Hz
Current	0.75 A	Duty	Continuous 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	11.05 in	Frame Length	4.99 in
Shaft Diameter	0.500 in	Shaft Extension	6.06 in
Connection Drawing	614131-242	Outline Drawing	788A-S01

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GENERAL INFORMATION:

SHAFT RUNOUT: .001 [.025] T.I.R. PER INCH LENGTH OF EXTENSION

BEARINGS: BALL

MOUNTING POSITION: ALL ANGLE

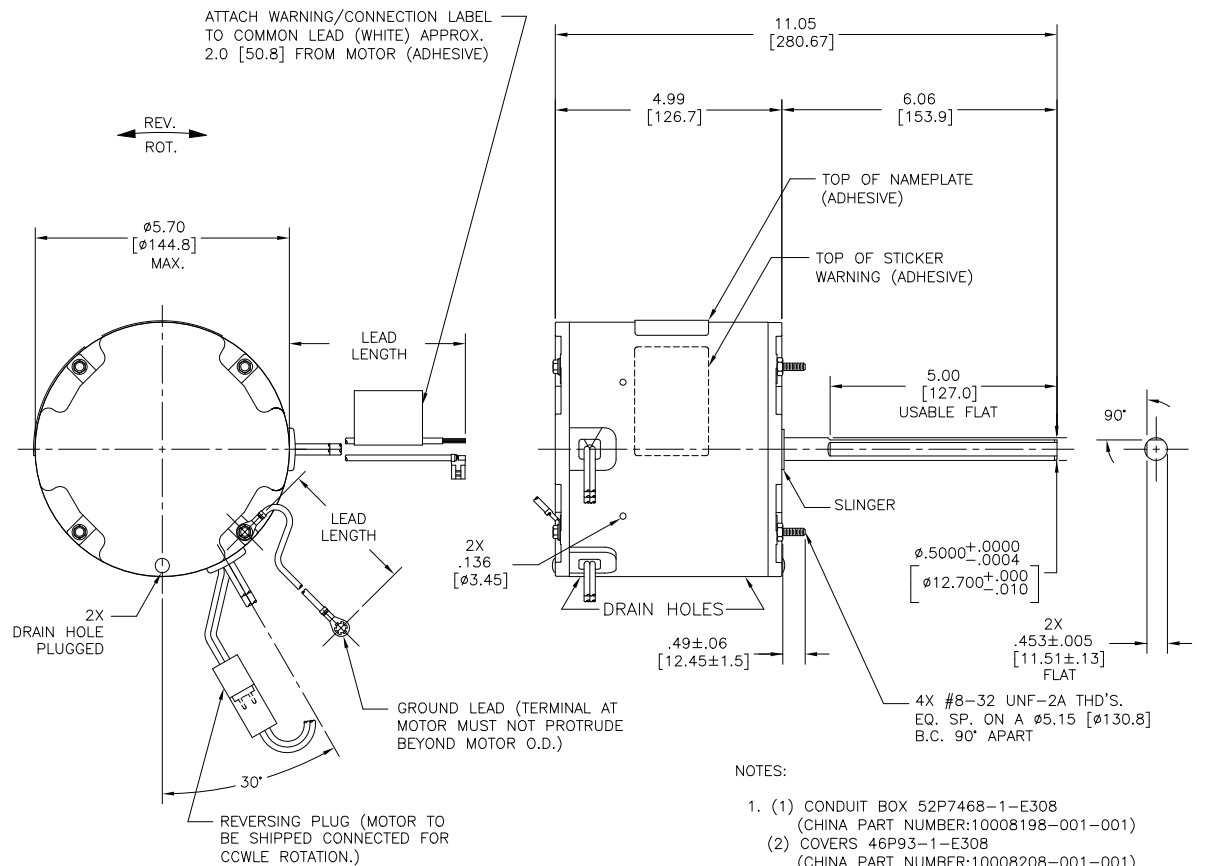
ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET (SENSATA 7AM 036)

LEADS: NO. 18 GA., .06 [1.5] THK. PVC 105°C INSUL.

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

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



- NOTES:
- 1. (1) CONDUIT BOX 52P7468-1-E308 (CHINA PART NUMBER:10008198-001-001)
 - (2) COVERS 46P93-1-E308 (CHINA PART NUMBER:10008208-001-001)
 - (3) GASKET 24P75-1
 - (4) SCREWS 15771401
- TO BE PUT IN POLY BAG AND PACKED SEPARATE WITH EACH MOTOR.

NAMEPLATE DATA:		EXTERNAL CONNECTION DIAGRAM	
MODEL NO.: F48Z63A01		SEP. CAP.	
CUST. P/N: 788A		BROWN	
HP: 1/4		BRN/WHT	
ROT.: REVERSIBLE		WHITE	
RPM: 1075		LINE	
TYPE: UF		BLACK	
FRAME: 48Y		ROTATION	
VOLTS: 460		BLACK	
PH: 1		WHITE	
AMPS: 0.75		CCWLE	
HZ: 60		CWLE	
INS.: B		BLACK	
AMB.: 60° C		WHITE	
DUTY: AIR OVER		BLACK	
CAP.: 7.5 MFD/370 V		WHITE	
ENCL: ENCLOSED		BLACK	
UL LOGO		WHITE	
CSA LOGO		BLACK	
THERMALLY PROTECTED		614131-242	

GREEN/YELLOW (GROUND)	11.0/13.0 [279/330]	#10 EYELET
BLACK/WHITE	3.0/5.0 [76/127]	REVERSING PLUG
BROWN	25.0/27.0 [635/686]	.25 [6.4] FLAG
BROWN/WHITE	25.0/27.0 [635/686]	.25 [6.4] FLAG
WHITE	25.0/27.0 [635/686]	.50 [12.7] SKIN
BLACK	25.0/27.0 [635/686]	.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.

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

CUSTOMER	DISTRIBUTION SERVICE
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PERFORMANCE CURVE NO.	TORQUE @ 1075 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT	CSA
C32720	25.8 OZ. FT.	0603113B	FILE #	CCN #
			FILE #	CLASS #

DRAWING REVISION

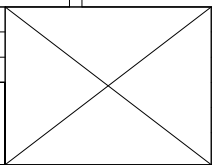
REVISION BY	DATE
J. RUPERT	09-22-2021

ECO DESCRIPTION

ECO	DATE
ECR0212653	09-22-2021

REVISED FOR UP ISSUE

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ENCLOSURE

DRAWN BY: J. RUPERT

DATE: 05-13-2011

APPROVED BY: J. RUPERT

DATE: 05-13-2011

PROCESS/FINISH

THREE ANGLE PROJECTION

SIZE DWG NO

C 788A

SHEET 1

REGAL-BELOIT CORPORATION

Regal Beloit America, Inc.

MODEL-RFHP-48FR OUTLINE

D

C

B

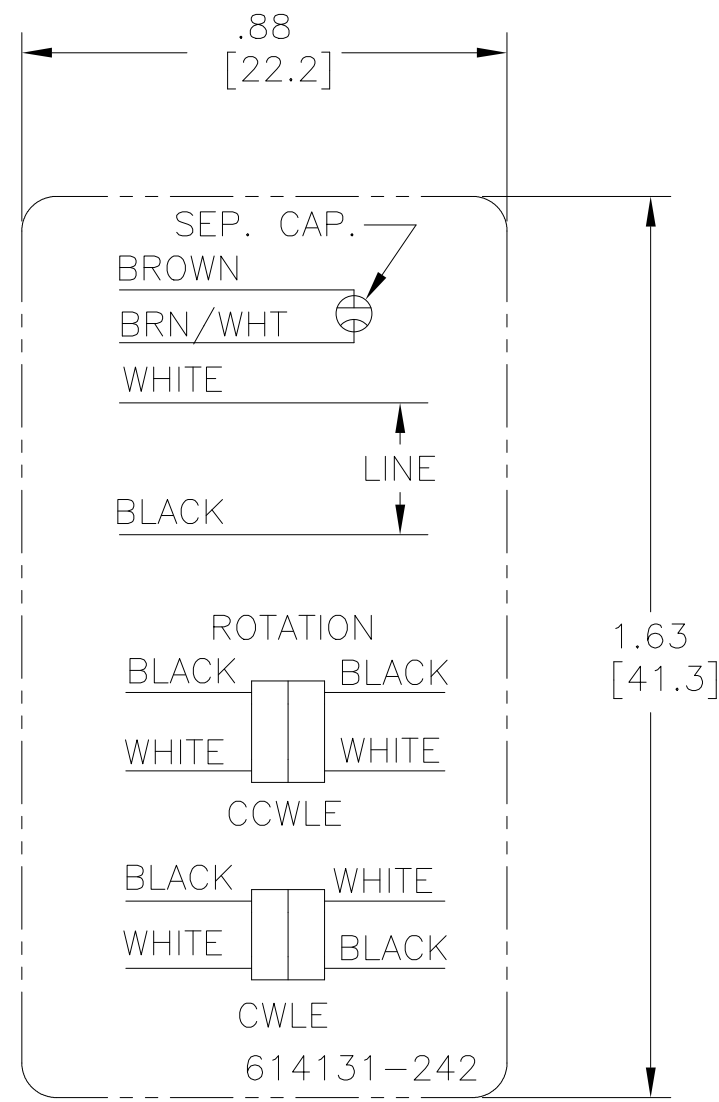
A

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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	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 [.076/.381] X 45° CORNER FILLETS R.02 [.51] MACHINED SURFACES 125/INCH mm 3.2/ mm SHOWN IN [BRACKETS]	DRAWN BY: YL	REGAL™ Regal Beloit America, Inc.			
ECO NMR-0213140	APPROVED BY J. RUPERT	DATE 03-16-2022		DATE: 04-15-2011	DESCRIPTION CONNECTION DIAGRAM EXTERNAL			
ECO DESCRIPTION REVISED FOR UP ISSUED				APPROVED BY: HZ				
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				REFERENCE	.		.	
				THIRD ANGLE PROJECTION		SIZE A	DWG NO 4 of 4	614131-242