

# PRODUCT INFORMATION PACKET



Model No: FEH1028S  
Catalog No: FEH1028S  
1/4 HP Condenser Fan Motor, 850 RPM, 460 Volts, 48 Frame, TEAO  
Condenser Fans Motors



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**Nameplate Specifications**

Output HP	1/4 Hp	Output KW	0.19 kW
Frequency	60 Hz	Voltage	460 V
Current	0.75 A	Speed	850 rpm
Service Factor	1	Phase	1
Duty	Air Over	Insulation Class	B
Frame	48Y	Enclosure	Totally Enclosed
Thermal Protection	Automatic	Ambient Temperature	60 °C
UL	Recognized	CSA	Y
CE	N		

**Technical Specifications**

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	8	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	11.50 in	Frame Length	4.25 in
Shaft Diameter	0.500 in	Shaft Extension	6 in
Connection Drawing	614131-089	Outline Drawing	FEH1028S-S01

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REV	ECO	REV BY	DATE	APPD	DATE
A	0024033	B.ZHAO	01-19-2012	B.SHEN	01-19-2012

**GENERAL INFORMATION:**

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

BEARINGS: BALL

MOUNTING POSITION: ALL ANGLE

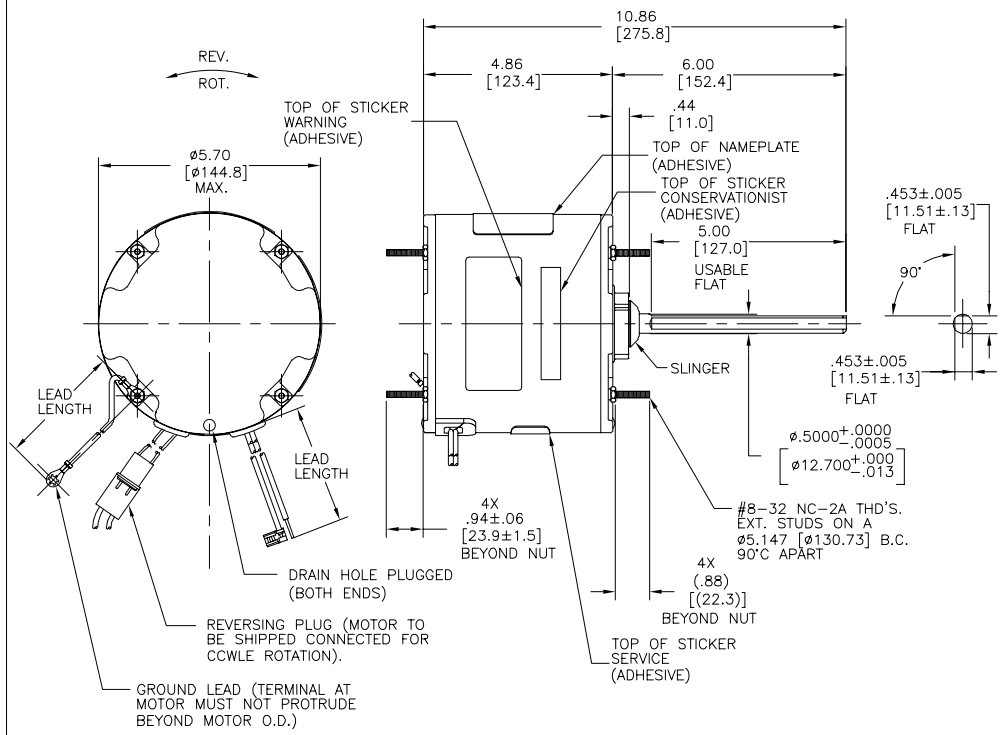
**ELECTRICAL DATA:**

OVERLOAD PROTECTOR: AUTOMATIC RESET (T.I. 7AM 036)

LEADS: NO. 18 GA., .03[.8] THK., PVC 125°C INSUL.

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

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



NAMEPLATE DATA:	EXTERNAL CONNECTION DIAGRAM
MODEL NO.: F48N40A01 CUST. P/N: FEH1028S HP: 1/4 ROT.: REVERSIBLE RPM: 850 TYPE: UF FRAME: 48Y VOLTS: 460 PH: 1 AMPS: 0.75 HZ: 60 INS.: B AMB.: 60° C DUTY: AIR OVER CAP.: 5.0 MFD/370 V ENCL: ENCLOSED UL LOGO CSA LOGO THERMALLY PROTECTED	SEP. CAP. BROWN BROWN YELLOW BLACK ROTATION BLACK WHITE WHITE CCWLE BLACK WHITE WHITE BLACK CWLE

GREEN(GRD)	11.0/13.0 [279/330]	#10 EYELET
BLACK/WHITE	3.0/5.0 [76/127]	REVERSING PLUG
BROWN	35.0/38.0 [889/965]	.25[6.4] FLAG
BROWN	35.0/38.0 [889/965]	.25[6.4] FLAG
YELLOW	35.0/38.0 [889/965]	.50[12.7] SKIN
BLACK	35.0/38.0 [889/965]	.50[12.7] SKIN
COLOR	LENGTH	TERMINAL OR STRIP LENGTH

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

PERFORMANCE	TORQUE @ 850 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT	CSA
C31154	24.1 OZ. FT.	-----	E46412 PRGY2	LR43341 4211-01

**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.

DR BY:	B.ZHAO	01-19-2012
APPD:	B.SHEN	01-19-2012
THRD ANGLE PROJECTION	EDS DATE 11-11-2011 FORMAT REV G	

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DESCRIPTION	
MODEL-RFHP-48FR OUTLINE	
SIZE	DWG NO
C	FEH1028S
SCALE	SHEET
NONE	1

4	3	2	1																																		
<p><b>INFORMACION GENERAL:</b></p> <p>OSCILACION DE FLECHA: -</p> <p>JUEGO AXIAL: -</p> <p>BALEROS: -</p> <p>POSICION DEL MONTAJE: -</p> <p><b>INFORMACION ELECTRICA:</b></p> <p>PROTECTOR DE SOBRECARGA: -</p> <p>CABLES: -</p> <p>CABLE DE TIERRA: -</p>		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>REVISION:</td> <td>ECO</td> <td>REVISADO POR:</td> <td>FECHA:</td> <td>APROBADO POR:</td> <td>FECHA:</td> </tr> <tr> <td>A</td> <td>0024033</td> <td>B.ZHAO</td> <td>01-19-2012</td> <td>B.SHEN</td> <td>01-19-2012</td> </tr> </table>		REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:	A	0024033	B.ZHAO	01-19-2012	B.SHEN	01-19-2012																						
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<p>总技术要求:</p> <p>轴跳动:</p> <p>端部窜动量</p> <p>轴承:</p> <p>安装位置:</p> <p>电气数据:</p> <p>过载保护:</p> <p>引线:</p> <p>接地线:</p>	<p>3</p>	<p>2</p>	<p>1</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>版本</td> <td>ECO</td> <td>编制</td> <td>日期</td> <td>批准</td> <td>日期</td> </tr> <tr> <td>A</td> <td>0024033</td> <td>B.ZHAO</td> <td>01-19-2012</td> <td>B.SHEN</td> <td>01-19-2012</td> </tr> </table>	版本	ECO	编制	日期	批准	日期	A	0024033	B.ZHAO	01-19-2012	B.SHEN	01-19-2012						
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