

PRODUCT INFORMATION PACKET



Model No: FEH1056SU
Catalog No: FEH1056SU
1/2 HP Condenser Fan Motor, 1075 RPM, 460 Volts, 48 Frame, TEAO
Condenser Fans Motors



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The REGAL logo is a grey rectangular box with the word 'REGAL' in white, bold, uppercase letters. It is positioned on a blue and black halftone patterned background that tapers to the right.

REGAL



Nameplate Specifications

Output HP	1/2 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	460 V
Current	1.5 A	Speed	1075 rpm
Service Factor	1	Phase	1
Duty	Air Over	Insulation Class	F
Frame	48	Enclosure	Totally Enclosed
Thermal Protection	Automatic	Ambient Temperature	80 °C
UL	Recognized	CSA	Y
CE	N		

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	12.99 in	Frame Length	5.00 in
Shaft Diameter	0.500 in	Shaft Extension	6.5 in
Connection Drawing	614131-242	Outline Drawing	FEH1056SU-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

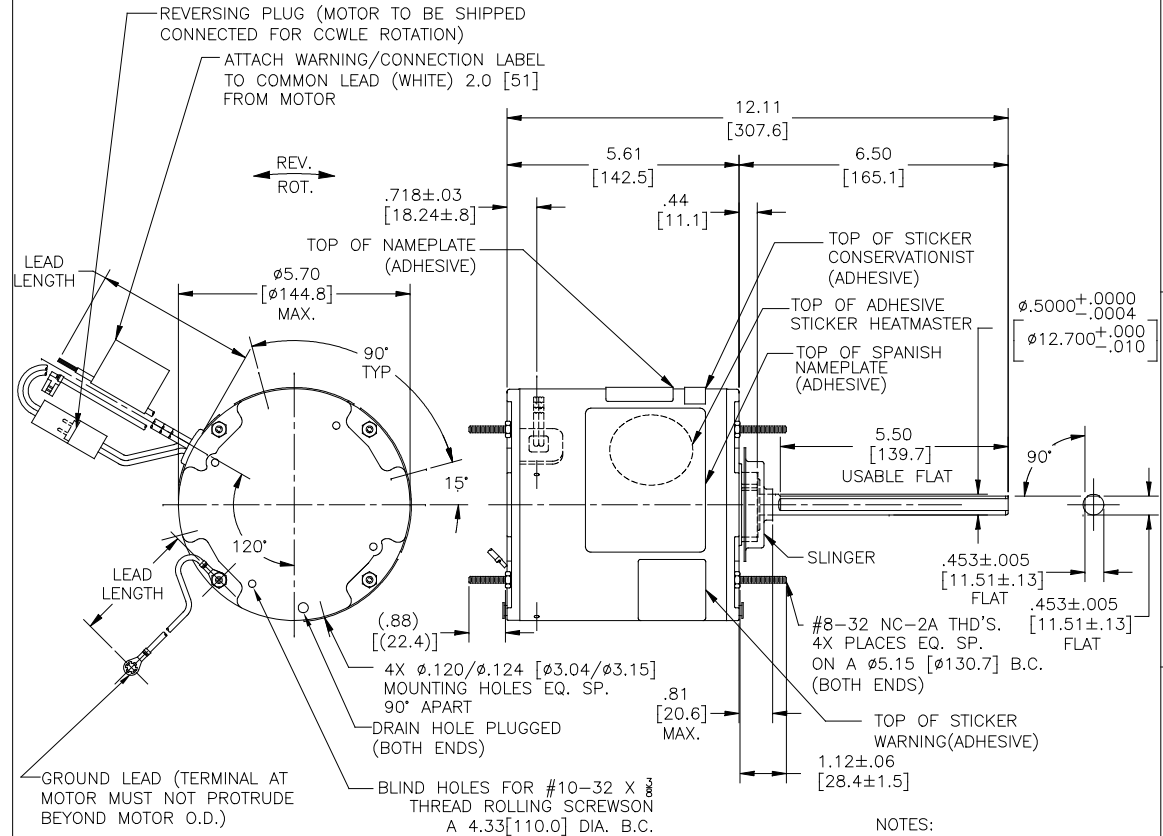
ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET (SENSATA 7AM 304)

LINE LEADS: NO. 18 GA., .06[1.5] THK. XLP 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.



- 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. THE SYMBOL OF CTQ: ▲ (NO CTQ ON THIS DRAWING)
 4. MEET THE REQUIREMENT OF ROHS AND REACH: SEE EP000014_5.1

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)	12.0/13.0 [305/330]	#10 EYELET
BLACK/WHITE	3.0/5.0 [76/127]	REVERSING PLUG
BROWN	48.0/51.0 [1219.2/1295.4]	.25[6.4] FLAG
BROWN/WHITE	48.0/51.0 [1219.2/1295.4]	.25[6.4] FLAG
WHITE	48.0/51.0 [1219.2/1295.4]	.50[12.7] SKIN
BLACK	48.0/51.0 [1219.2/1295.4]	.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

CUSTOMER	DISTRIBUTION SERVICE
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NAMEPLATE DATA:	EXTERNAL CONNECTION DIAGRAM
MODEL NO.: F48AF23A01 CUST. P/N: FEH1056SU HP: 1/2 ROT.: REVERSIBLE RPM: 1075 TYPE: UF FRAME: 48 VOLTS: 460 PH: 1 AMPS: 1.5 HZ: 60 INS.: F AMB.: 80°C DUTY: AIR OVER CAP.: 10 MFD/370 V ENCL: ENCLOSED UL LOGO CSA LOGO THERMALLY PROTECTED	<p>SEP. CAP.</p> <p>BROWN</p> <p>BRN/WHT</p> <p>WHITE</p> <p>BLACK</p> <p>LINE</p> <p>ROTATION</p> <p>BLACK</p> <p>WHITE</p> <p>CCWLE</p> <p>BLACK</p> <p>WHITE</p> <p>CWLE</p> <p>614131-242</p>

PERFORMANCE CURVE NO.	TORQUE @1075 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT	CSA
C32586	48.3 OZ. FT.	0601190A	E46412	PRGY2 LR43341 4211-01

DRAWING REVISION/REVISION BY	DATE
E CADDIE.ZHOU	03-04-2020
ECO-0182191 APPROVED BY	DATE
KEYUN.GONG	03-04-2020
ADD SPANISH NAMEPLATE AND NOTES 3&4	
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DRAWN BY:	B. ZHAO	DESCRIPTION	MODEL-RFHP-48FR OUTLINE
DATE:	01-21-2013	MATERIAL	
APPROVED BY:	K. GONG	SIZE	DWG NO
DATE:	01-21-2013	PROCESS/FINISH	FEH1056SU
THIRD ANGLE PROJECTION		SHEET	1

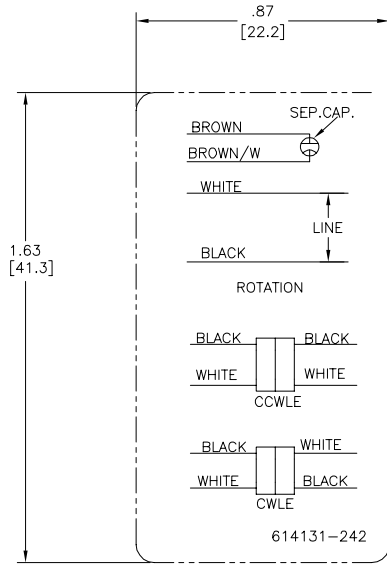
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REV	ECO	REV BY	DATE	APPD	DATE
D	0029048	D.RODRIGUEZ	10-18-2012	J.HESS	10-18-2012



- NOTES:
 1. FOR USE WITH 614129 OR 2513020-001 NAMEPLATE BLANKS
 2. ----- INDICATES DIMENSION LIMITS

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

UNLESS OTHERWISE SPECIFIED DIM. TOLERANCES ARE AS FOLLOWS:
INCH X XX XXX XXXX
±.1 ±.02 ±.005 ±.0005
mm ±0.5 ±0.13 ±0.013
ANG. ±.50 DEG
REMOVE BURRS & BREAK SHARP EDGES:
INCH .003-.015 mm 0.1-.04
CORNER FILLETS TO:
INCH .020 mm 0.5
MACHINE SURFACES:
INCH 125 mm 3.2
METRIC DIMS. SHOWN IN [BRACKETS]

DR BY:	YL	04-15-2011
APPD:	HZ	04-15-2011
THIRD ANGLE PROJECTION		EDS DATE 11-11-2011 FORMAT REV H
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REGAL-BELOIT CORPORATION	
DESCRIPTION CONN DIAGRAM-NAMEPLATE	
SIZE C	DWG NO 614131-242
SCALE NONE	SHEET 1

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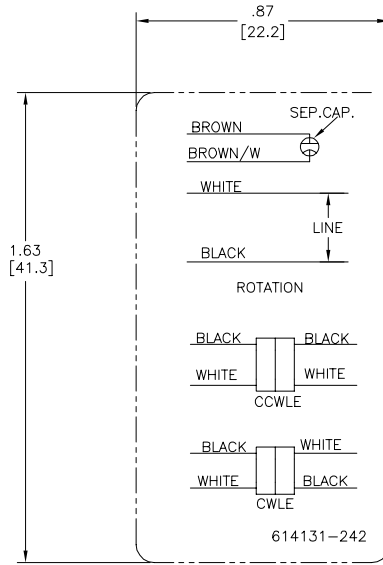
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REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
D	0029048	D.RODRIGUEZ	10-18-2012	J.HESS	10-18-2012



NOTAS:
 1. PARA USO CON PLACA DE DATOS EN BLANCO REGAL-BELOIT BANKS
 2. INDICATES DIMENSION LIMITS
 INDICA LIMITES DE DIMENSION

CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS ▽ PLANICIDAD — RECTITUD ∠ ANGULARIDAD ⊥ PERPENDICULARIDAD (A ESCUADRA) // PARALELISMO ○ REDONDEZ (CIRCULARIDAD) ⌀ CILINDRICIDAD ⊖ PERFIL DE CUALQUIER SUPERFICIE ∩ PERFIL DE CUALQUIER LINEA † VARIACION ⊕ POSICION REAL ⊙ CONCENRICIDAD ≡ SIMETRIA	A MENOS QUE SE ESPECIFIQUE DE OTRA MANERA, LAS TOLERANCIAS DE LAS DIMS. SON LAS SIGUIENTES: PULG ±.1 ±.02 ±.005 ±.0005 mm ±0.5 ±0.13 ±0.013 ANG. ±50 GRADOS ELIMINAR REBASAS Y ORILLAS FILOSAS DEL BORDE. PULG .003-.015 mm 0.1-0.4 FILETEAR ESQUINA: PULG .020 mm 0.5 MAQUINAR SUPERFICIES PULG 125 mm 3.2 DIMS METRICAS MOSTRADAS [PARENTESIS]	DIBUJADO POR: YL	04-15-2011	REGAL-BELOIT CORPORATION
		APROBADO POR: HZ	04-15-2011	
		TERCER ANGULO DE PROYECCION	FECHA EDS: 11-11-2011 REV. FORMATO: H	TAMAÑO: C
		CONFIDENCIAL: ESTE DIBUJO Y SU INFORMACION SON PROPIEDAD DE USO EXCLUSIVO Y CONFIDENCIAL DE REGAL-BELOIT CORPORATION. Y NO DEBERAN SER REVELADOS, DUPLICADOS, DISTRIBUIDOS O USARSE DE OTRA MANERA SIN EL CONSENTIMIENTO ESCRITO DE REGAL-BELOIT CORPORATION. -TODOS LOS DERECHOS RESERVADOS.		NUMERO DE DIBUJO: 614131-242
		ESCALA: NONE		HOJA: 1

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