

# PRODUCT INFORMATION PACKET



Model No: FSE1016SF  
Catalog No: FSE1016SF  
1/6 HP Condenser Fan Motor, 1075 RPM, 208-230 Volts, 48 Frame, TEAO  
Condenser Fans Motors



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**Nameplate Specifications**

Output HP	<b>1/6 Hp</b>	Output KW	<b>0.13 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>208-230 V</b>
Current	<b>1.4 A</b>	Speed	<b>1075 rpm</b>
Service Factor	<b>1</b>	Phase	<b>1</b>
Duty	<b>Air Over</b>	Insulation Class	<b>F</b>
Frame	<b>48</b>	Enclosure	<b>Totally Enclosed</b>
Thermal Protection	<b>Automatic</b>	Ambient Temperature	<b>70 °C</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>N</b>		

**Technical Specifications**

Electrical Type	<b>Permanent Split Capacitor</b>	Starting Method	<b>Across The Line</b>
Poles	<b>6</b>	Rotation	<b>Reversible</b>
Mounting	<b>Extended Studs</b>	Motor Orientation	<b>Any</b>
Drive End Bearing	<b>Sleeve</b>	Opp Drive End Bearing	<b>Sleeve</b>
Frame Material	<b>Rolled Steel</b>	Shaft Type	<b>Double Flat</b>
Overall Length	<b>11.37 in</b>	Frame Length	<b>3.99 in</b>
Shaft Diameter	<b>0.500 in</b>	Shaft Extension	<b>6.5 in</b>
Outline Drawing	<b>FSE1016SF-S01</b>	Connection Drawing	<b>614131-242</b>

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GENERAL INFORMATION:

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

END PLAY: .010 TO .063[.25 TO 1.60]

BEARINGS: SLEEVE

MOUNTING POSITION: ALL ANGLE

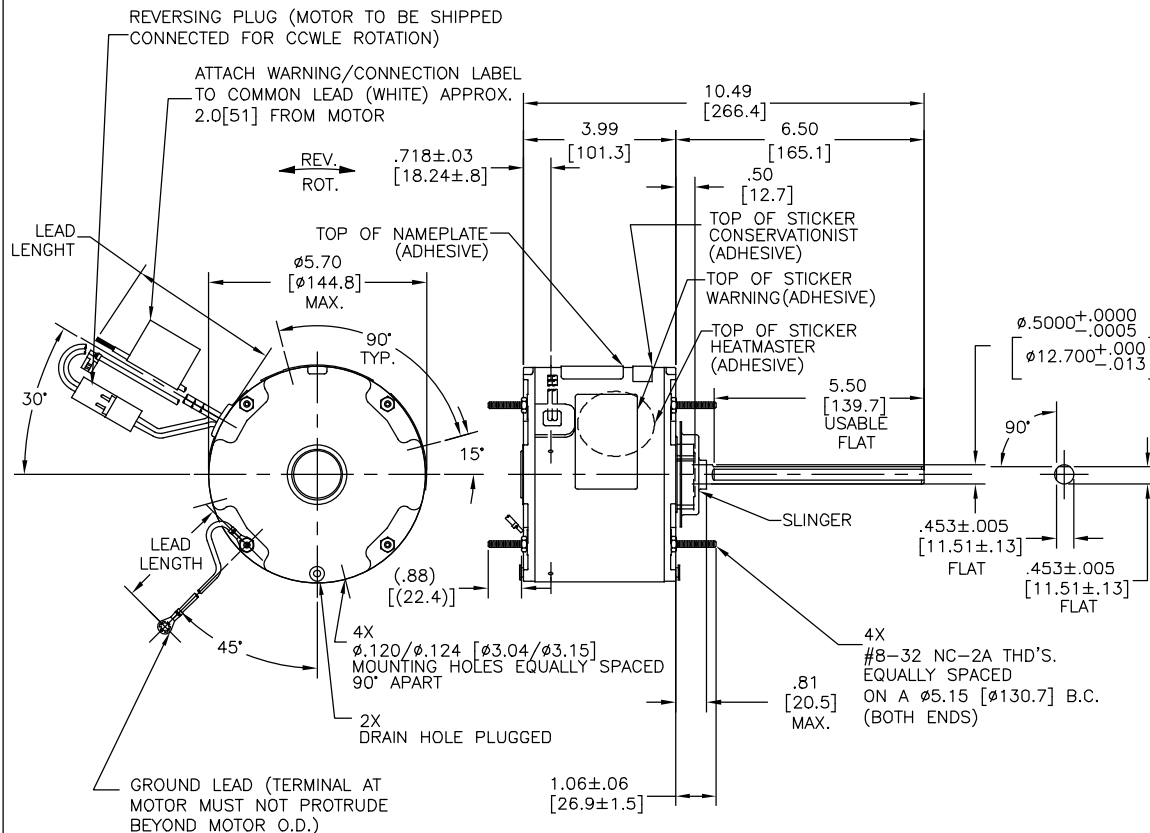
ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET (SENSATA 7AM 304)

LINE LEADS: NO. 18 GA., .06[1.5] THK. XLP 125°C INSUL.

REVERSING PLUGS: 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.: F48W79A01 CUST. P/N: FSE1016SF HP: 1/6 ROT.: REVERSIBLE RPM: 1075 TYPE: UF FRAME: 48 VOLTS: 208-230 PH: 1 AMPS: 1.4 HZ: 60 INS.: F AMB.: 70°C DUTY: AIR OVER CAP.: 5 MFD/370 V ENCL: ENCLOSED UL LOGO CSA LOGO THERMALLY PROTECTED	SEP. CAP. BROWN BRN/WHT WHITE BLACK LINE ROTATION BLACK WHITE CCWLE WHITE BLACK CWLE

PERFORMANCE CURVE NO.	TORQUE @1075 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT	CSA
C32516	20.1 OZ. FT.	0500461A	FILE # E46412 PRGY2	FILE # LR43341 CLASS # 4211-01

COLOR	LENGTH	TERMINAL OR STRIP LENGTH
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

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.

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

NOTES:

- ATTACH INSTRUCTION SHEET 681572-003 ONTO SHAFT APPROX. 1.0[25] FROM WATER SLINGER (OR 69P9-3 ONLY USED IN MEXICO)
- (4)SCREWS 615982-001 & (4) EXTRA HEX NUTS 7555A19H01 TO BE PUT IN A POLYBAG.

DRAWING REVISION			TOLERANCES UNLESS OTHERWISE SPECIFIED			ENCLOSURE	
ECO	REVISION BY GELINE ZHAO	DATE 05-23-2019	DESC.	INCH	MM	ANGLE	DRAWN BY: A. NAJERA
ECO-0166568	APPROVED BY KEYUN GONG	DATE 05-23-2019	XXX	±0.1	±2.5	±0.5	DATE: 05-04-2011
SEE ECO			XXX	±0.02	±0.51		APPROVED BY: J. RUPERT
			XXXX	±0.005	±0.127		DATE: 05-04-2011
				±0.0005	±0.0127		PROCESS/FINISH
							MATERIAL
							DESCRIPTION: MODEL-RFHP-48FR OUTLINE
							SIZE: DWG NO: FSE1016SF
							SHEET: 1

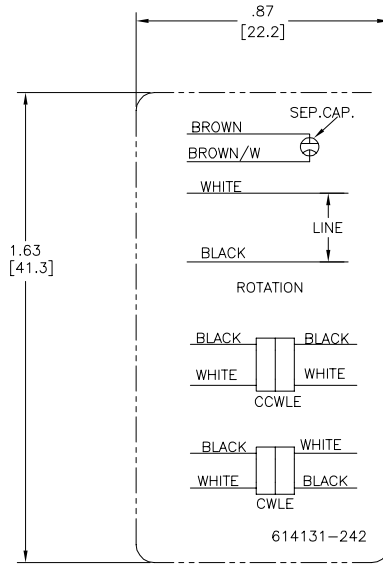
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REV	ECO	REV BY	DATE	APPD	DATE
D	0029048	D.RODRIGUEZ	10-18-2012	J.HESS	10-18-2012



- 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	±.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-.4
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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<b>REGAL-BELOIT CORPORATION</b>	
DESCRIPTION CONN DIAGRAM-NAMEPLATE	
SIZE C	DWG NO 614131-242
SCALE NONE	SHEET 1

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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 ESQUADRA) // 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	<b>REGAL-BELOIT CORPORATION</b>
		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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