

PRODUCT INFORMATION PACKET



Model No: FE1026SC
Catalog No: FE1026SC
1/4 HP Condenser Fan Motor, 1075 RPM, 208-230 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	208-230 V
Current	1.75 A	Speed	1075 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	6	Rotation	Reversible
Mounting	Extended Studs	Motor Orientation	Any
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Steel	Shaft Type	Flat
Overall Length	10.67 in	Frame Length	3.50 in
Shaft Diameter	0.500 in	Shaft Extension	6.0 in
Connection Drawing	614131-242	Outline Drawing	FE1026SC-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

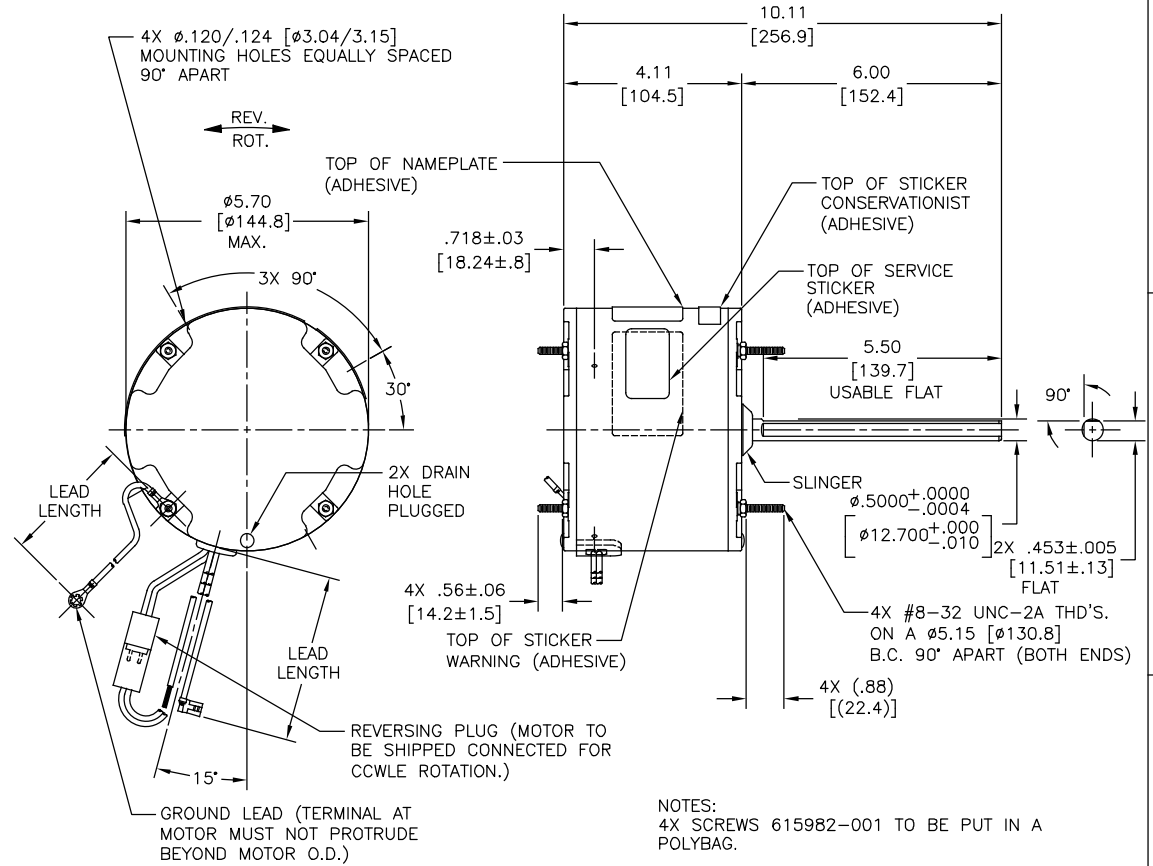
ELECTRICAL DATA:

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

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

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

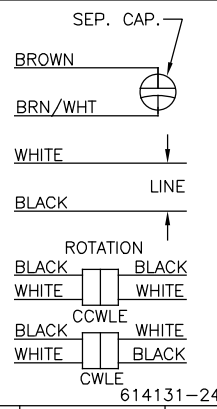
GROUND LEAD: NO. 18 GA., .03 [.8] THK. (GREEN) INSUL.



NAMEPLATE DATA:

MODEL NO.: F48AH27A01
 CUST. P/N: FE1026SC
 HP: 1/4
 ROT.: REVERSIBLE
 RPM: 1075
 TYPE: UF
 FRAME: 48Y
 VOLTS: 208-230
 PH: 1
 AMPS: 1.75
 HZ: 60
 INS.: B
 AMB.: 60° C
 DUTY: AIR OVER
 CAP.: 5 MFD/370 V
 ENCL: ENCLOSED
 UL LOGO
 CSA LOGO
 THERMALLY PROTECTED

EXTERNAL CONNECTION DIAGRAM



PERFORMANCE CURVE NO.	TORQUE @ 1075 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT FILE #	CCN #	CSA FILE #	CLASS #
C0000983	25.4 OZ. FT.	OER-0009942B	E46412	PRGY2	LR43341	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	26.0/28.0 [660/711]	.25[6.4] FLAG
BROWN/WHITE	26.0/28.0 [660/711]	.25[6.4] FLAG
WHITE	26.0/28.0 [660/711]	.50 [12.7] SKIN
BLACK	26.0/28.0 [660/711]	.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.

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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LEAD DATA	REVISION	REVISION BY	DATE
E	ECO	GEUNE ZHAO	05-23-2019
E	ECO	KEYUN QONG	05-23-2019

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.

DRAWN BY: JRUPERT	DATE: 05-25-2011	APPROVED BY: TRILEY	DATE: 05-25-2011
PROCESS/FINISH: -	THIRD ANGLE PROJECTION	SIZE: C	DWG NO: FE1026SC
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.		SHEET 1	

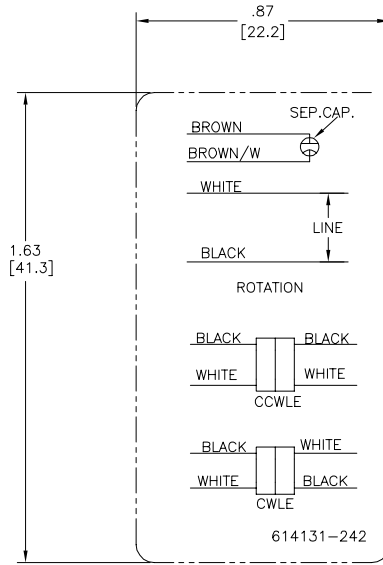
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REV	ECO	REV BY	DATE	APPD	DATE
D	0029048	D.RODRIGUEZ	10-18-2012	J.HESS	10-18-2012



- 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

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 REGAL-BELOIT CORPORATION	
DESCRIPTION CONN DIAGRAM-NAMEPLATE	
SIZE C	DWG NO 614131-242
SCALE NONE	SHEET 1

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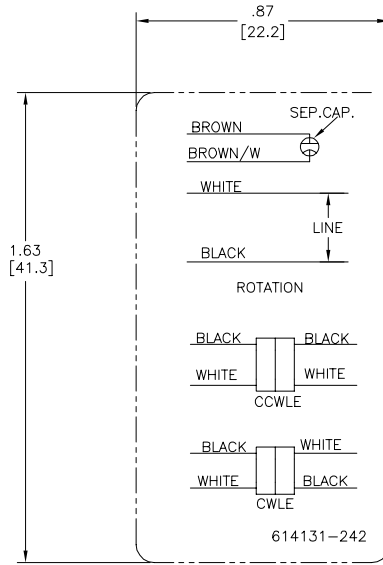
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REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
D	0029048	D.RODRIGUEZ	10-18-2012	J.HESS	10-18-2012



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 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	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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