

PRODUCT INFORMATION PACKET



Model No: ORM4688BF
Catalog No: ORM4688BF
1/3-1/8 HP Condenser Fan Motor, 825 RPM, 1 Speed, 460 Volts, 48 Frame, TEAO
Condenser Fans Motors



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Nameplate Specifications

Output HP	1/3-1/8 Hp	Output KW	0.25 kW
Frequency	60 Hz	Voltage	460 V
Current	1.0 A	Speed	825 rpm
Service Factor	1	Phase	1
Duty	Air Over	Insulation Class	F
Frame	48	Enclosure	Totally Enclosed
Thermal Protection	Automatic	Ambient Temperature	70 °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	12.62 in	Frame Length	4.62 in
Shaft Diameter	0.500 in	Shaft Extension	6.5 in
Outline Drawing	ORM4688BF-S01	Connection Drawing	614131-242

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GENERAL INFORMATION:

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

BEARINGS: BALL

MOUNTING POSITION: ALL ANGLE

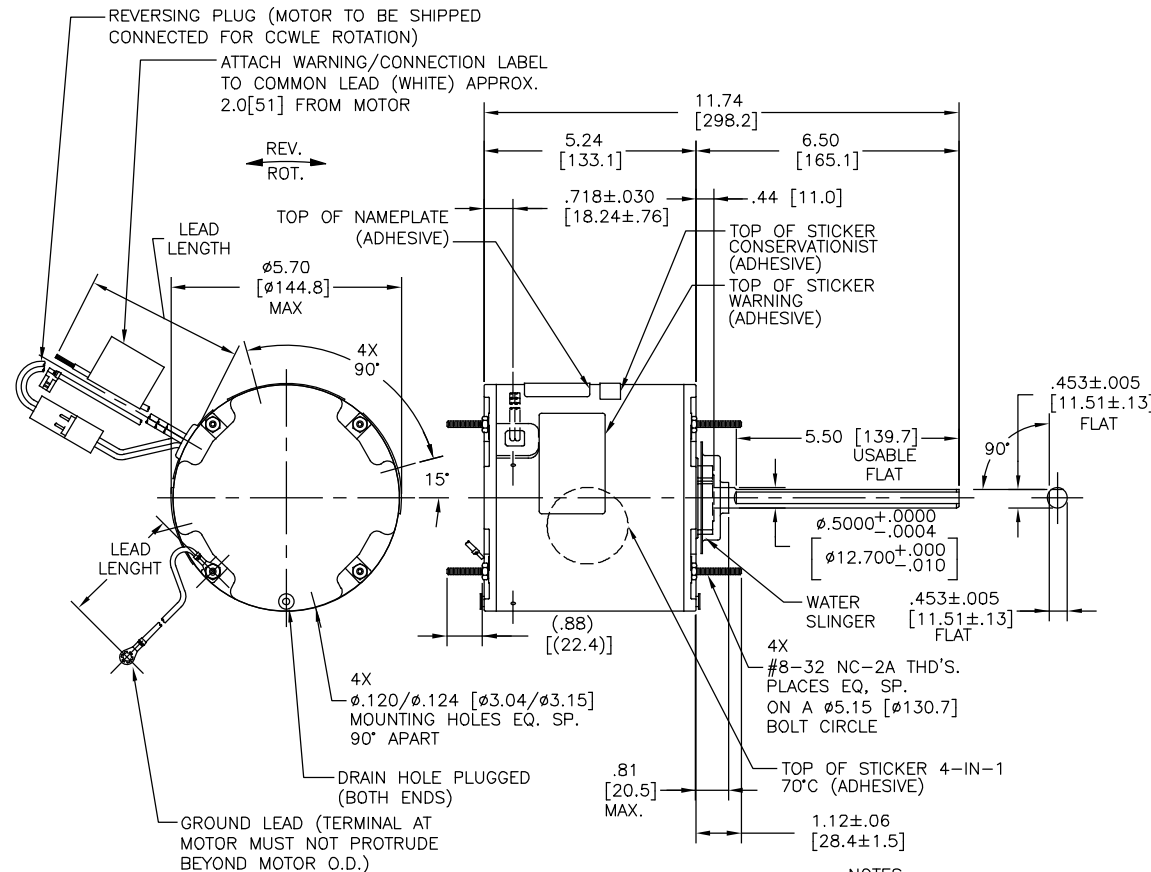
ELECTRICAL DATA:

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.



NAMEPLATE DATA:	EXTERNAL CONNECTION DIAGRAM
MODEL NO.: F48AB98A01 CUST. P/N: ORM4688BF HP: 1/3-1/8 ROT.: REVERSIBLE RPM: 825 TYPE: UF FRAME: 48 VOLTS: 460 PH: 1 AMPS: 1.0 HZ: 60 INS.: F AMB.: 70°C DUTY: AIR OVER CAP.: 7.5 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>WHITE</p> <p>BLACK</p> <p>WHITE</p> <p>CWLE</p> <p>614131-242</p>

PERFORMANCE CURVE NO.	TORQUE @ 825 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT FILE #	CCN #	CSA FILE #	CLASS #
C0000066	35.9 OZ. FT.	0801374C	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	47.5/51.5 [1206/1308]	.25[6.35] FLAG
BROWN/WHITE	47.5/51.5 [1206/1308]	.25[6.35] FLAG
WHITE	47.5/51.5 [1206/1308]	.50[12.7] SKIN
BLACK	47.5/51.5 [1206/1308]	.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.

ENCLOSURE	CUSTOMER	DISTRIBUTION SERVICE
MAIN FRAME - OLE ENCLOSED		
END FRAME - OLE ENCLOSED		
MAIN FRAME - LE ENCLOSED		
END FRAME - LE ENCLOSED		

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

DRAWING REVISION	REVISION BY	DATE
F	GELINE ZHAO	05-23-2019
ECO	KEYUN QONG	05-23-2019
ECO-0166568		
SEE ECO		

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DRAWN BY:	DATE:	APPROVED BY:	DATE:
A. NAJERA	05-05-2011	J. RUPERT	05-05-2011
DESCRIPTION	MATERIAL	PROCESS/FINISH	
MODEL-RFHP-48FR OUTLINE			
THIRD ANGLE PROJECTION	SIZE DWG NO	SHEET	
	C	1	

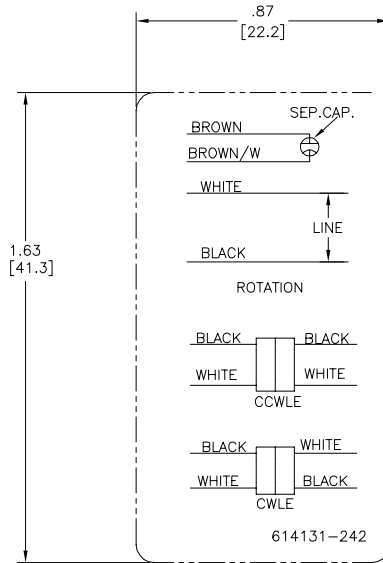
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REV	ECO	REV BY	DATE	APPD	DATE
D	0029048	D.RODRIGUEZ	10-18-2012	J.HESS	10-18-2012



- 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 REGAL-BELOIT CORPORATION	
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
 2. 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 REBABAS 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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