

# PRODUCT INFORMATION PACKET



Model No: 747  
Catalog No: 747

OEM Replacement Motor, 1/4, 1/8 HP, 1 Ph, 60 Hz, 208-230 V, 1625 RPM, 2 Speed, 42 Frame, OAO



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**Nameplate Specifications**

Phase	1	Output HP	1/4, 1/8 Hp
Output KW	0.19 kW	Voltage	208-230 V
Speed	1625 rpm	Service Factor	1
Frame	42	Enclosure	Open Air Over
Thermal Protection	Automatic	Ambient Temperature	40 °C
Frequency	60 Hz	Current	2.0 A
Duty	Continuous Air Over	Insulation Class	A
UL	Recognized	CSA	Y
CE	N	Number of Speeds	2

**Technical Specifications**

Electrical Type	Shaded Pole	Starting Method	Across The Line
Poles	4	Rotation	Counterclockwise Lead End
Mounting	Resilient Rings	Motor Orientation	Horizontal
Drive End Bearing	Sleeve	Opp Drive End Bearing	Sleeve
Frame Material	Rolled Steel	Shaft Type	Flat
Overall Length	16.75 in	Frame Length	3.17 in
Shaft Diameter	0.500 in	Shaft Extension	7.88X.5X7.87 in
Outline Drawing	747-S01		

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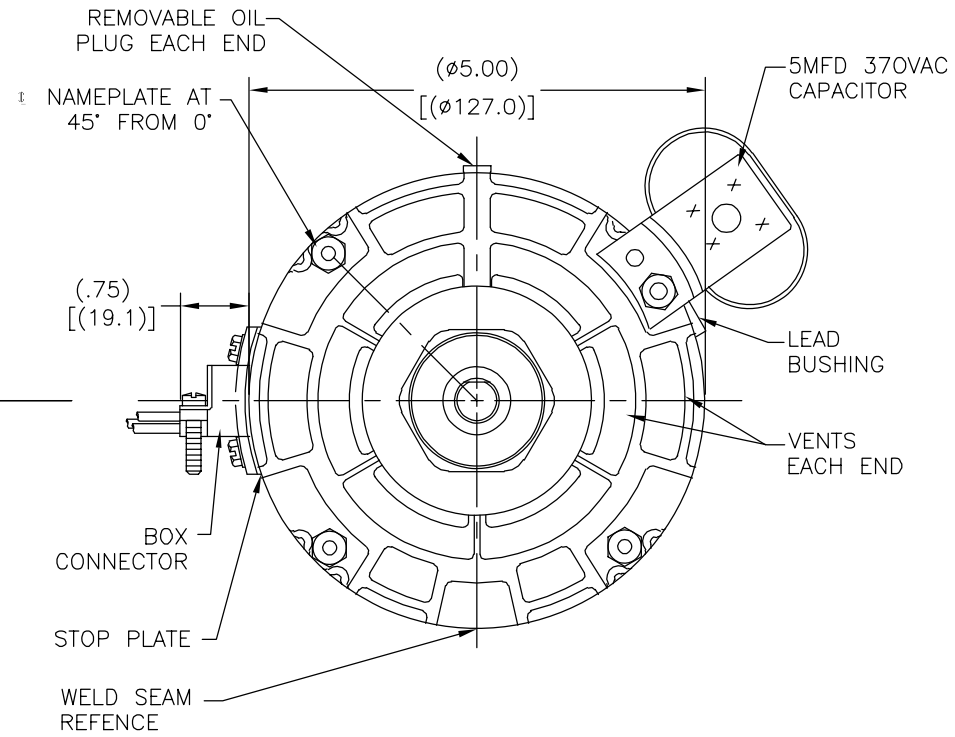
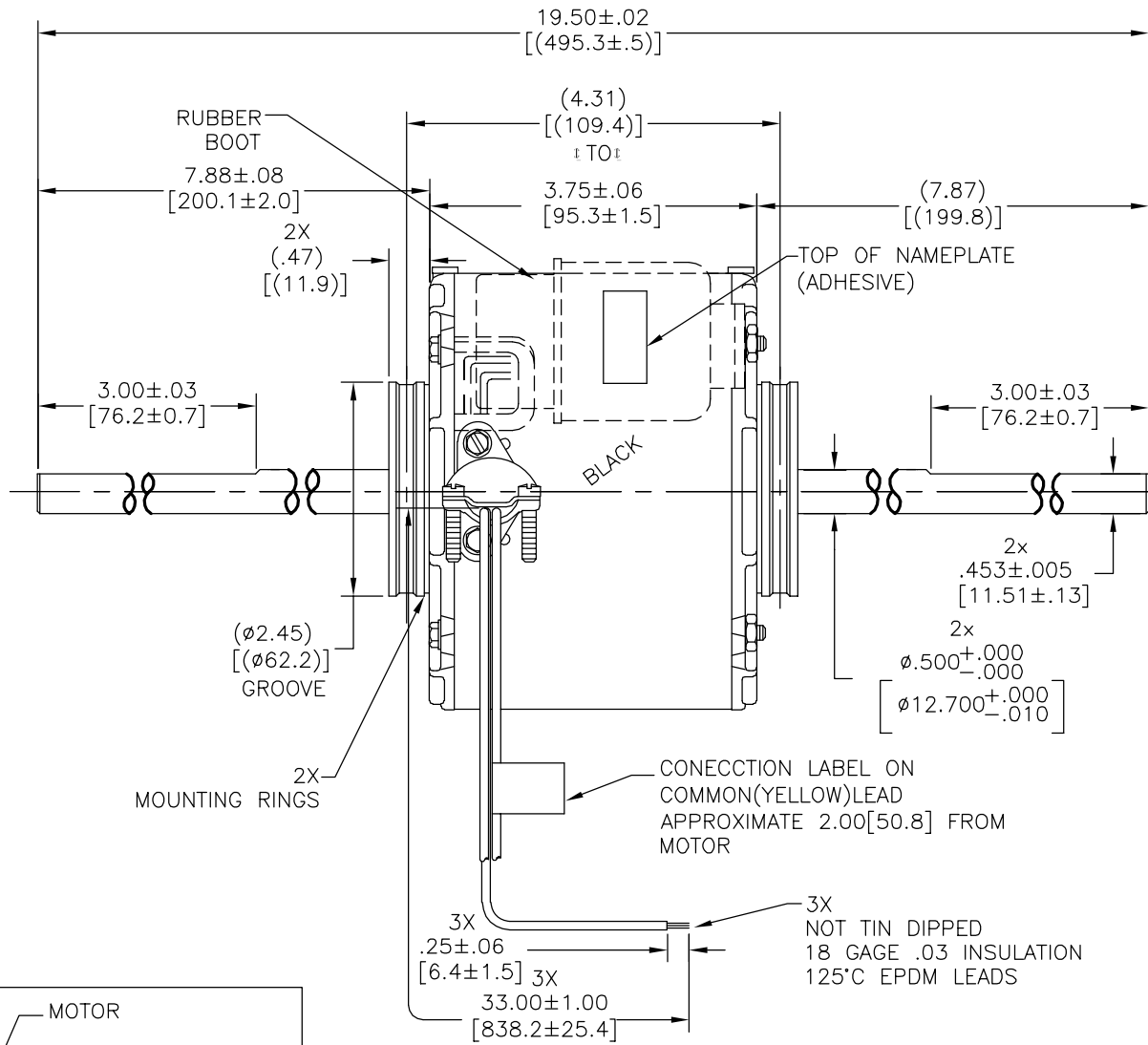
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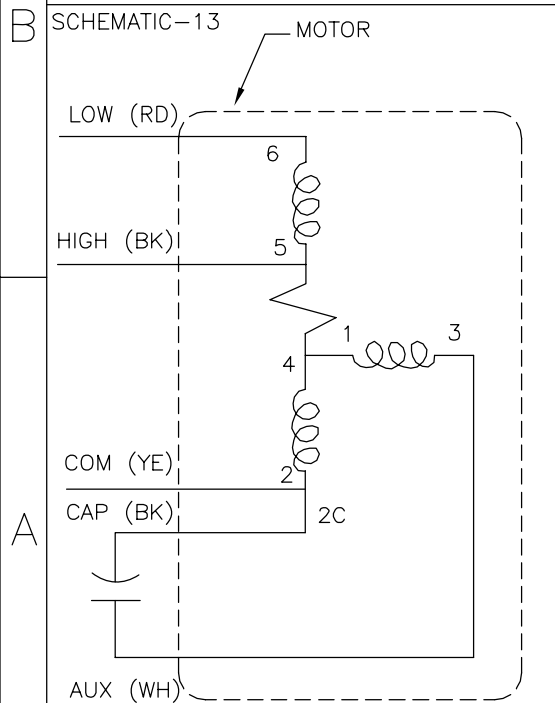
CUSTOMER IS SOLELY RESPONSIBLE FOR MOTOR PERFORMANCE AND SUITABILITY IN APPLICATIONS FOR CUSTOMER'S USES

REV	ECO	REV BY	DATE	APPD	DATE
B	0029000	I.ORTIZ	10-17-2012	M.AVILA	10-17-2012

END PLAY .005[.13] MINIMUM-.040 [1.02] MAXIMUM  
 MAXIMUM SHAFT RUN OUT .001[.03] PER INCHES  
 MAXIMUM RUN OUT NOT EXCEED .010[.25]



CONNECTION LABEL  
63T7433-254



ROT: CCWLE

NAMEPLATE DATA:

**Century** Tipp City, OH  
 THERMALLY PROTECTED

SER. DATE & PO# PLT LTR MOD DE2F079N STOCK NO. 747  
 VOLTS 208-230 HZ 60 AMPS 2.0  
 RPM1625 SP PH1 CAP  
 INS CL A AMB°C HP CONT. A.O. ← ROTATION →  
 BRG SLV #20 NON-DET OIL EVERY 12 MO. ASSEMBLED IN MEXICO  
 BK-HI 2.0A 1/4HP  
 RD-LO .80A 1/8HP  
 YE-COM  
 M10

ELECTRICALLY PER SAMPLE  
S-4868E

GEOMETRIC CHARACTERISTICS & SYMBOLS  
 ▭ FLATNESS  
 - STRAIGHTNESS  
 < ANGLARITY  
 ⊥ 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 0.1-0.4  
 CORNER FILLETS TO:  
 INCH .020 mm 0.5  
 MACHINE SURFACES:  
 INCH 125 mm 3.2  
 METRIC DIMS. SHOWN IN [BRACKETS]

DR BY: TLB 12-20-2000  
 APPD: DTS  
 THIRD ANGLE PROJECTION  
 EDS DATE 11-11-2011  
 FORMAT REV H  
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**REGAL REGAL-BELOIT CORPORATION**

DESCRIPTION: MODEL-RFHP-42FR OUTLINE

SIZE: C DWG NO: 747

SCALE: NONE SHEET: 1

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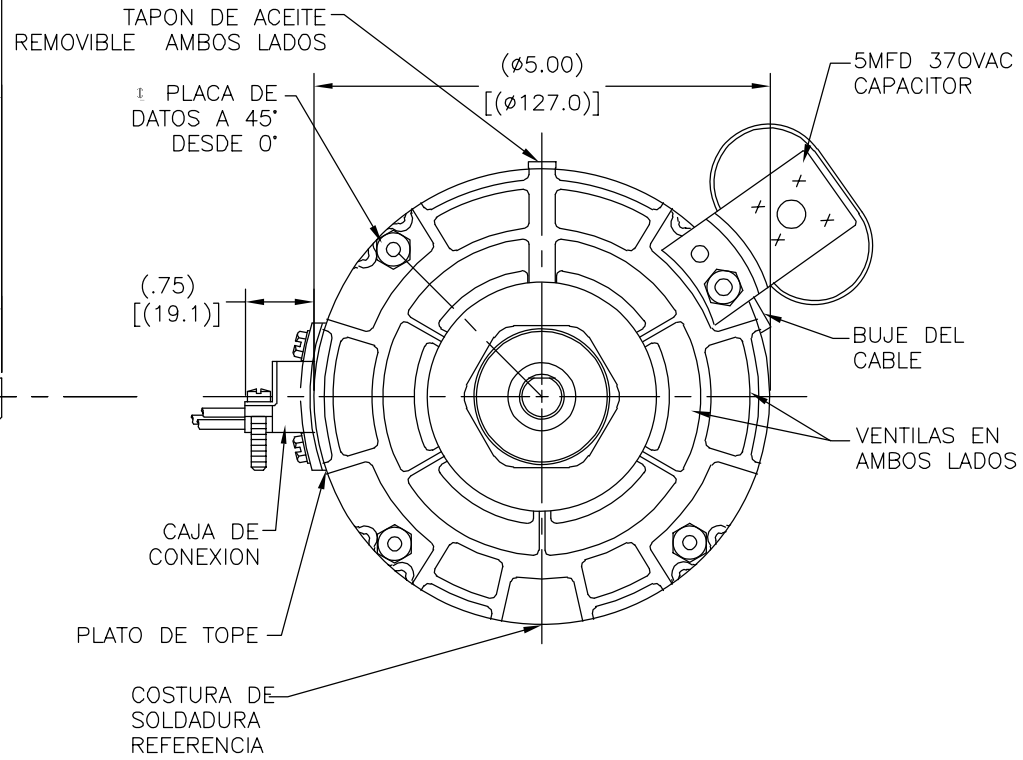
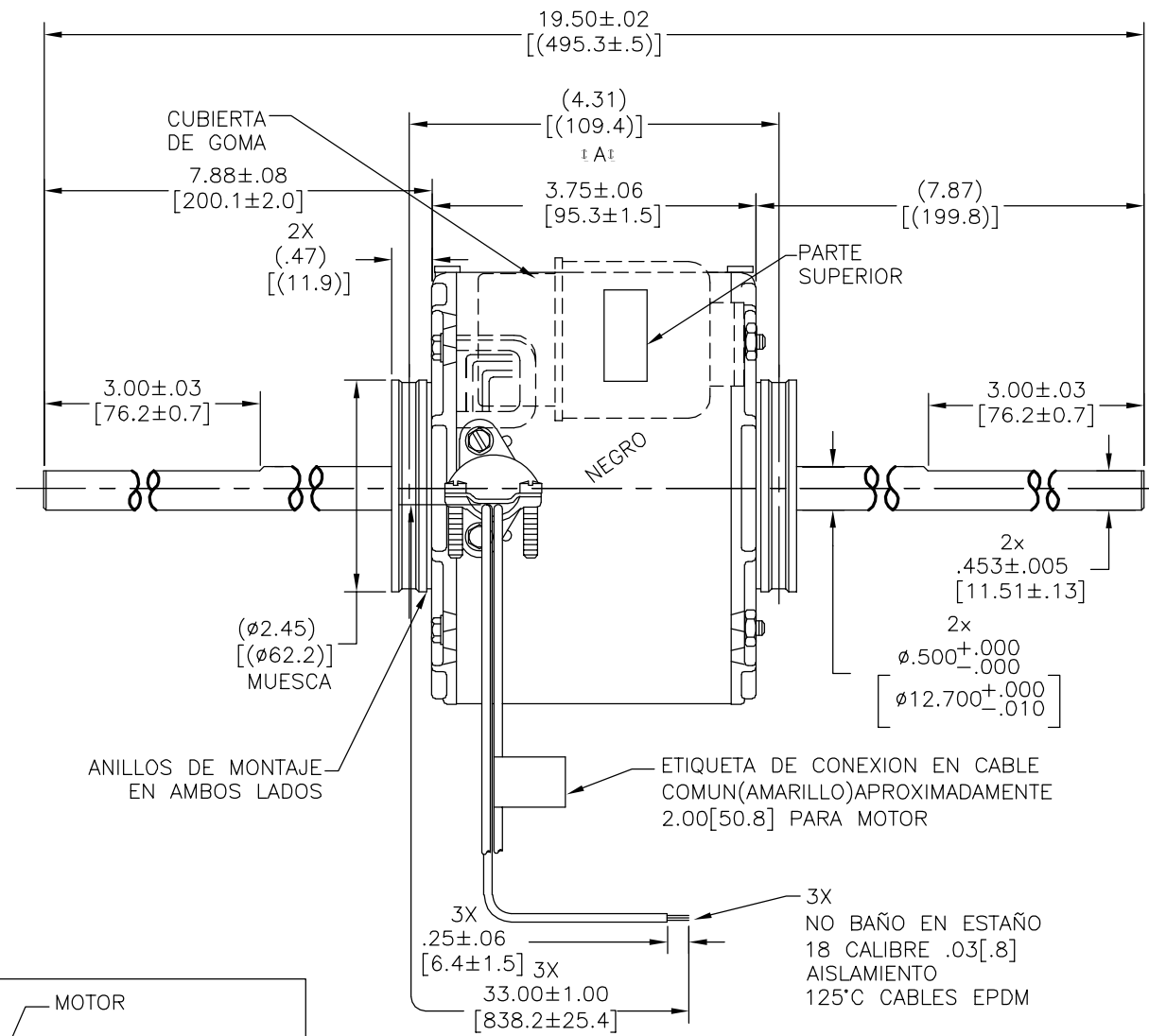
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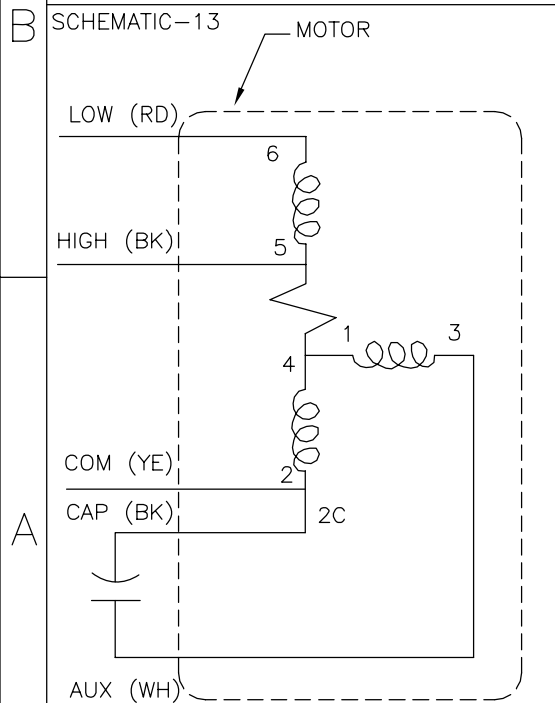
EL CLIENTE ES UNICAMENTE RESPONSABLE POR EL DESEMPEÑO DEL MOTOR Y APLICACIONES APROPIADAS PARA USO DE CLIENTE

REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
B	0029000	I.ORTIZ	10-17-2012	M.AVILA	10-17-2012

JUEGO AXIAL .005[.13] MINIMO-.040 [1.02] MAXIMO  
 OSCILAMIENTO MAXIMO EN FLECHA .001[.03] POR PULGADA  
 OSCILAMIENTO MAXIMO NO EXCEDERA DE .010[.25]



ETIQUETA DE CONEXION  
63T7433-254



ROT: CCWLE

PLACA DE DATOS:

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 BK-HI 2.0A 1/4HP  
 RD-LO .80A 1/8HP  
 YE-COM  
 M10

ELECTRICAMENTE DE ACUERDO  
A MUESTRA S-4868E

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
- CONCENTRICIDAD
- SIMETRIA

ASME Y14.5M 1994

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: TLB 12-20-2000

APROBADO POR: DTS

TERCER ANGULO DE PROYECCION

FECHA EDS: 11-11-2011  
 REV. FORMATO: H

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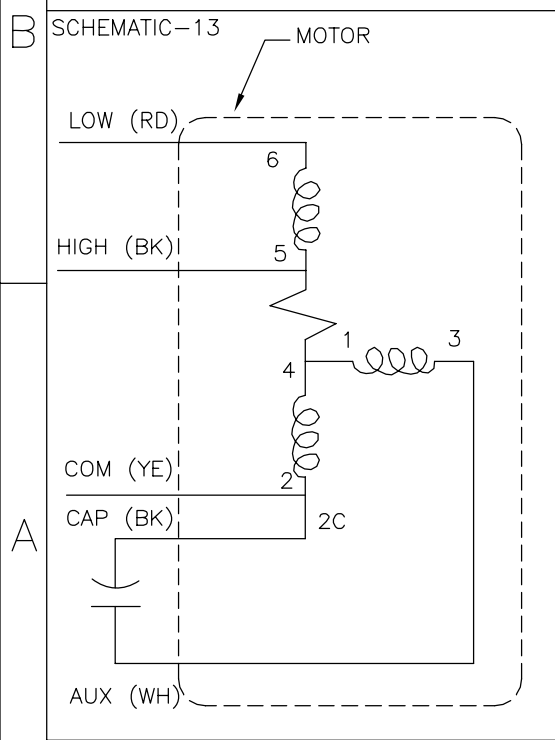
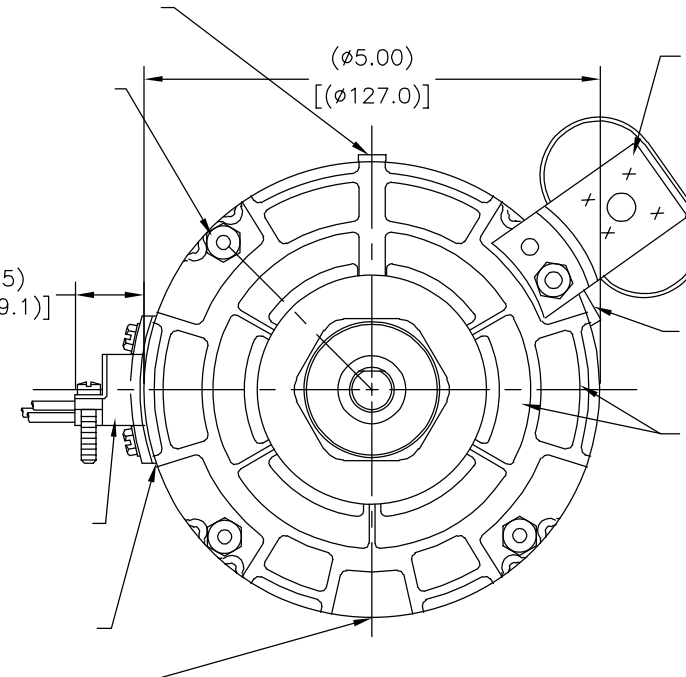
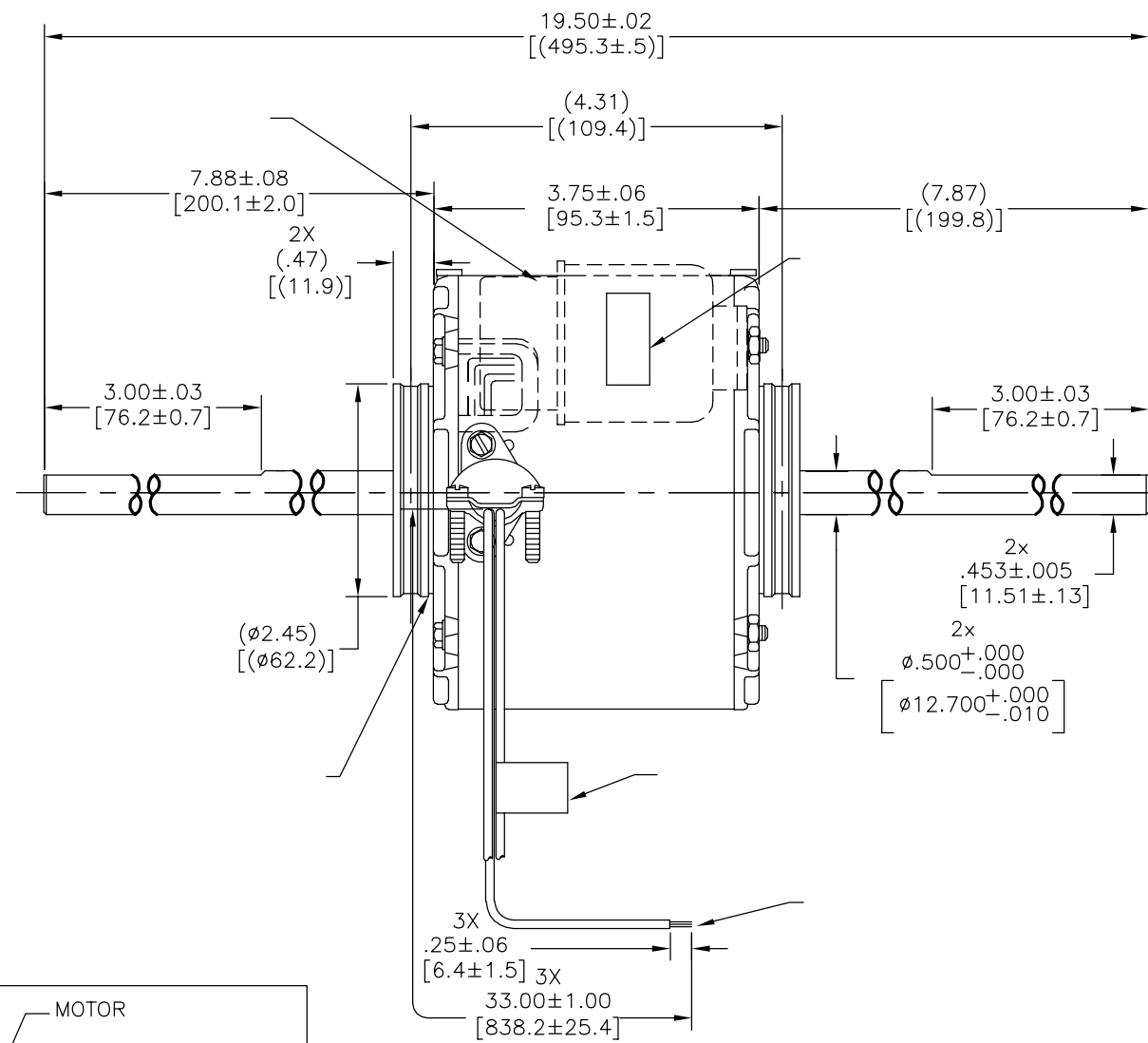
**REGAL REGAL-BELOIT CORPORATION**

DESCRIPCION: MODEL-RFHP-42FR OUTLINE

TAMAÑO: C NUMERO DE DIBUJO: 747

ESCALA: NONE HOJA: 1

版本	ECO	编制	日期	批准	日期
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形位公差  
 □ 平面度  
 — 直线度  
 ∠ 倾斜度  
 ⊥ 垂直度  
 // 平行度  
 ○ 圆度  
 ⊙ 圆柱度  
 △ 面轮廓度  
 ∇ 线轮廓度  
 ⤴ 圆跳动  
 ⊕ 位置度  
 ⊗ 同轴度  
 ≡ 对称度

除另有注明  
 尺寸公差如下:  
 英寸 X XX XXX XXXX  
 毫米 ±.1 ±.02 ±.005 ±.0005  
 角度 ±.50 度  
 清理毛刺和尖棱  
 英寸 .003-.015 毫米 0.1-0.4  
 内圆角  
 英寸 .020 毫米 0.5  
 表面粗糙度  
 英制 125 米制 3.2

ASME Y14.5M 1994 米制尺寸显示在[]

绘图: TLB 12-20-2000  
 批准: DTS  
 第三角投影  
 图纸格式发布日期 11-11-2011  
 图纸格式版本 H  
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 OUTLINE  
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 比例: NONE 页号: 1