

Catalog No: 9666

A black Century motor with a silver top and a label showing specifications. The label includes the Century logo, model number 51146M, and various electrical and mechanical ratings. The motor has a silver top with a central shaft and a black base with mounting feet. A yellow wire is connected to the top, and several other colored wires (red, blue, green, brown) are connected to the side. A small white label with the number 3166 is attached to the top. The main label on the side provides detailed specifications: 1/2 HP, 115V, 1500 RPM, 50 Hz, 1.8 A, and 1.80 SLV. It also lists various certifications and standards, including NEMA, IEC, and UL. The text 'ASSEMBLED IN THE U.S.A.' is printed at the bottom of the label.

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Nameplate Specifications

Output HP	1/12 Hp	Output KW	0.06 kW
Frequency	50 Hz	Voltage	115 V
Current	1.6 A	Speed	1550 rpm
Service Factor	1	Phase	1
Duty	Air Over	Insulation Class	B
Frame	42Y	Enclosure	Totally Enclosed
Thermal Protection	Automatic	Ambient Temperature	40 °C
UL	Recognized	CSA	Y
CE	N	Number of Speeds	1

Technical Specifications

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Mounting	Resilient Rings	Motor Orientation	Horizontal
Drive End Bearing	Sleeve	Opp Drive End Bearing	Sleeve
Frame Material	Rolled Steel	Shaft Type	Flat
Overall Length	8.99 in	Frame Length	5.17 in
Shaft Diameter	0.375 in	Shaft Extension	2 in
Outline Drawing	DE2F7106-S01		

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4

3

2

1

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

REV	ECO	REV BY	DATE	APPD	DATE
F	0029021	E.SINECIO	10-18-2012	G.ALVIDREZ	10-18-2012

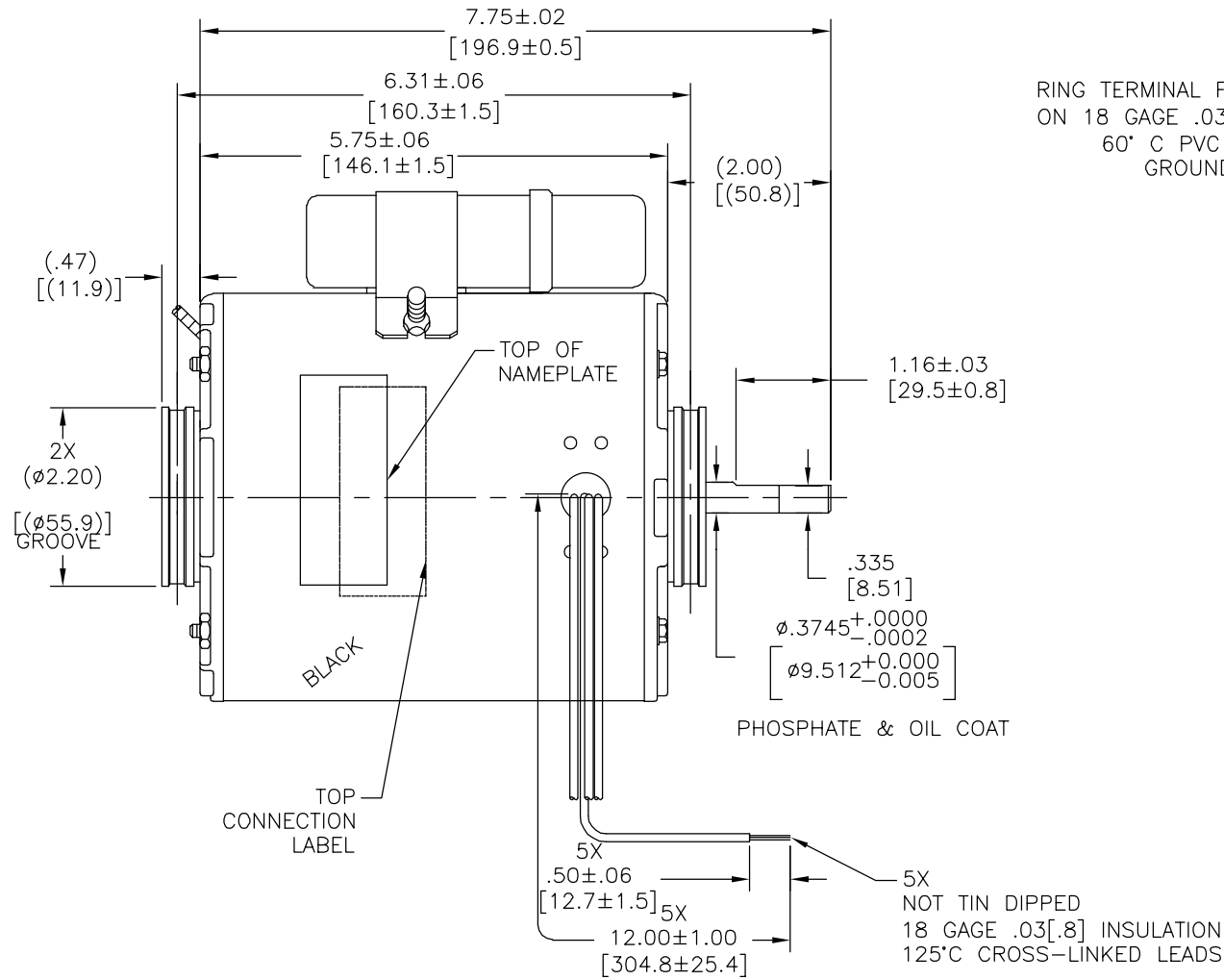
END PLAY .005[.13] MINIMUM-.040 [1.02] MAXIMUM
MAXIMUM SHAFT RUN OUT .001[.03] PER INCH
MAXIMUM RUN OUT NOT EXCEED .010[.25]

D

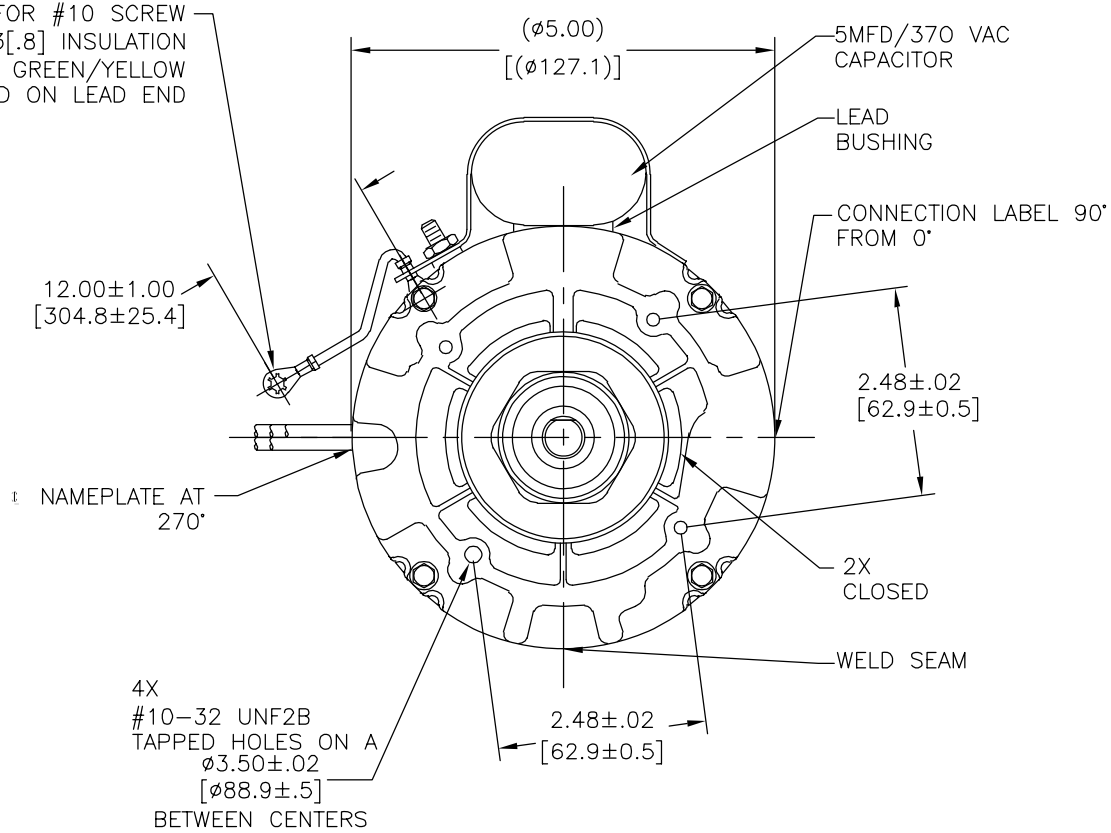
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B

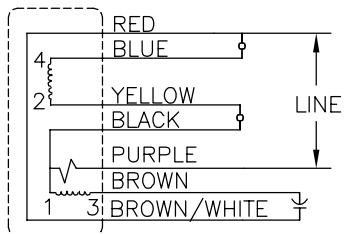
A



RING TERMINAL FOR #10 SCREW
ON 18 GAGE .03[.8] INSULATION
60° C PVC GREEN/YELLOW
GROUND ON LEAD END



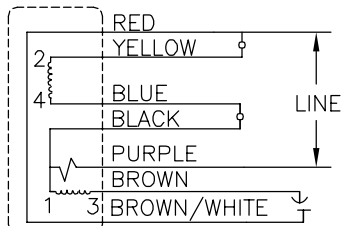
SCHEMATIC-317



CWLE

NOTE:
1. DISTRIBUTION PART NUMBER: 9666
GRAINGER PART NUMBER: 4UE31.

CCWLE	CONNECT YEL TO RED AND CONNECT BLACK TO BLUE LEAD
CWLE	CONNECT BLUE TO RED AND CONNECT BLACK TO BLUE LEAD



CCWLE

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

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.

ELECTRICALLY PER SAMPLE
0444418C CURVE#32446

DR BY: K.GORDON 12-07-2004

APPD: .

THIRD ANGLE PROJECTION
EDS DATE 11-11-2011
FORMAT REV H

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THE WRITTEN CONSENT OF REGAL-BELOIT CORPORATION.
-ALL RIGHTS RESERVED.

CONNECTION LABEL
63T7432-303

SEE
NOTE 1

ROT: REVERSIBLE

NAMEPLATE DATA:



Tipp City, OH
THERMALLY PROTECTED



SER. DATE & PO# PLT LTR MOD DE2F7106N[]
VOLTS 115 HZ 50/60 AMPS 1.6
RPM 1550 SP1 PH1 CAP 5MFD/370 VAC
INS CL B AMB 40°C HP 1/12 AIR OVER ← ROT REV →
BRG SLV ASSEMBLED IN MEXICO



REGAL-BELOIT CORPORATION

DESCRIPTION

MODEL-RFHP-42FR
OUTLINE

SIZE

C

DWG NO

DE3F7106

SCALE NONE

SHEET 1

4

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4

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2

1

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:
F	0029021	E.SINECIO	10-18-2012	G.ALVIDREZ	10-18-2012

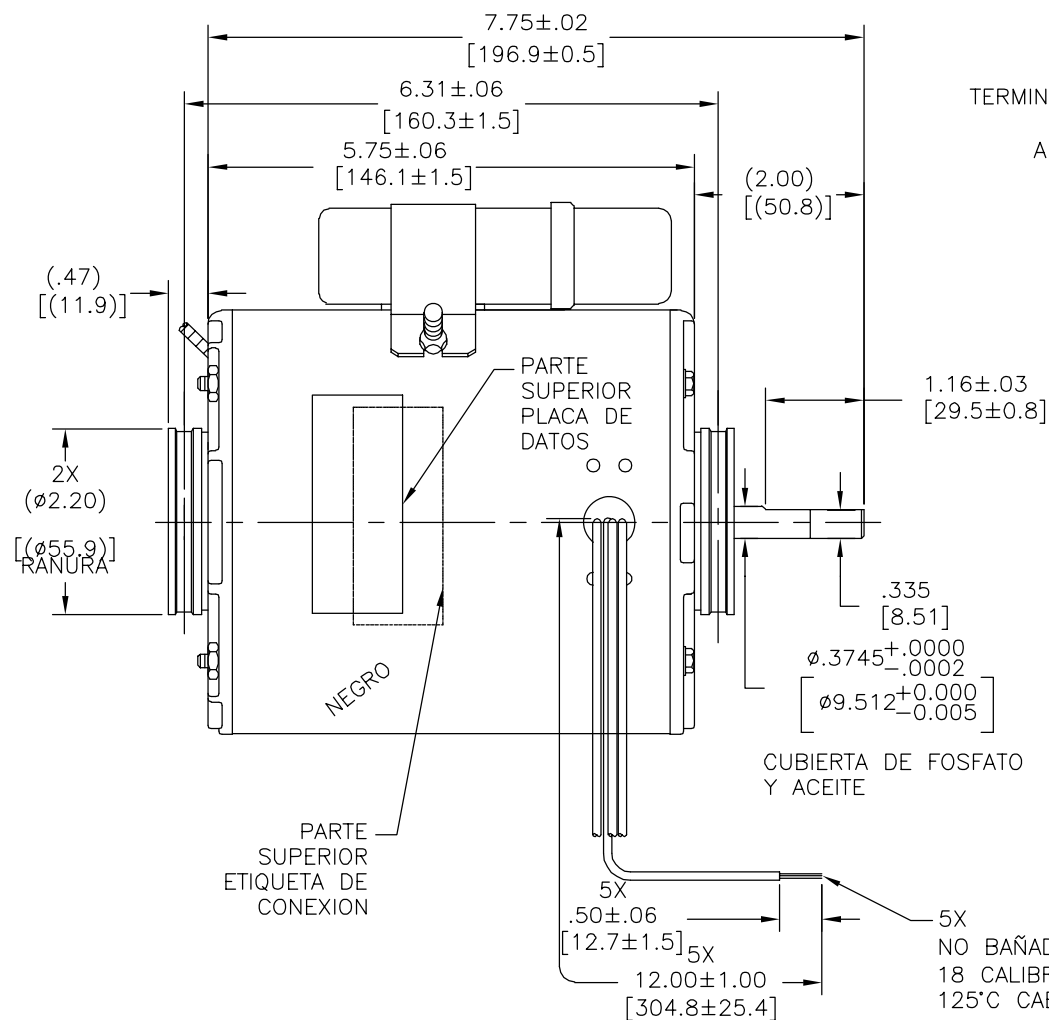
JUEGO AXIAL .005[.13] MINIMO-.040 [1.02] MAXIMO
OSCILAMIENTO MAXIMO EN FLECHA .001[.02] POR PULGADA
OSCILAMIENTO MAXIMO NO EXCEDERA DE .010[.25]

D

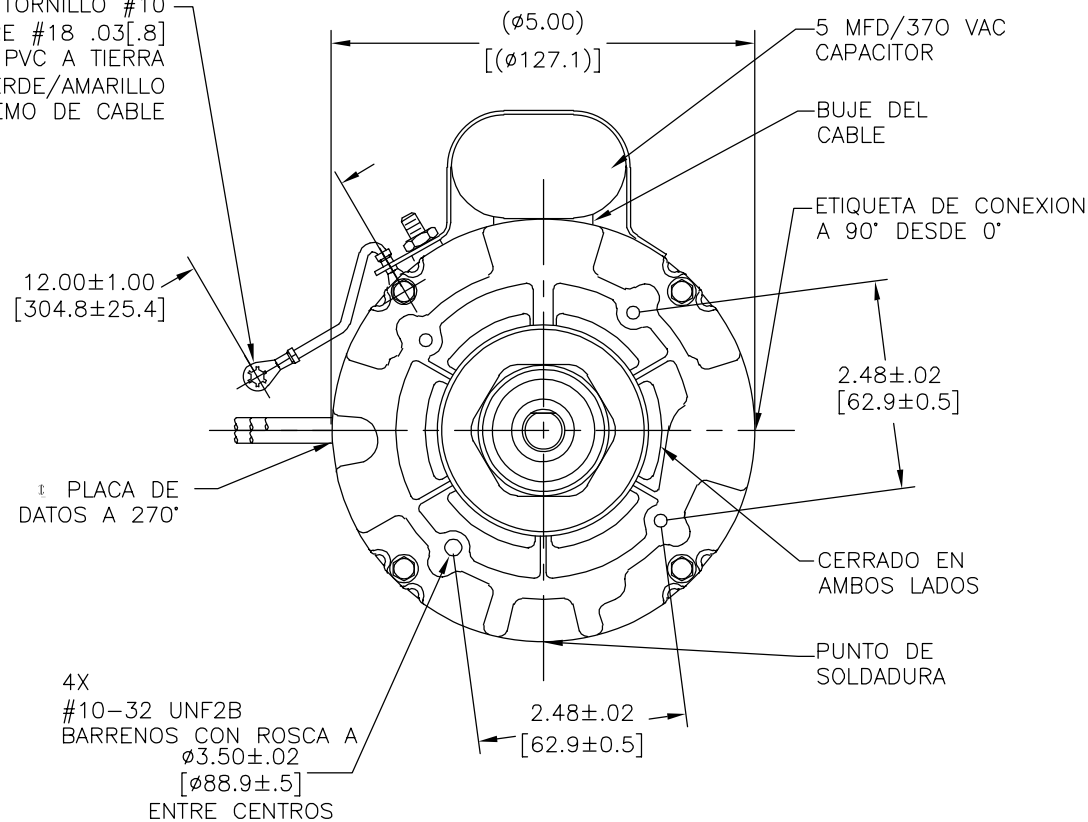
C

B

A



TERMINAL DE ANILLO PARA TORNILLO #10
SOBRE UN CALIBRE #18 .03[.8]
AISLAMIENTO A 60° C PVC A TIERRA
VERDE/AMARILLO
SOBRE EL EXTREMO DE CABLE



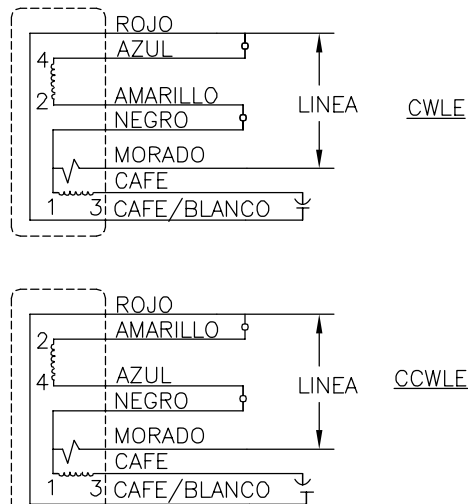
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ESQUEMATICO-317



NOTA:
1. NUMERO DE PARTE DE DISTRIBUCION: 9666
NUMERO DE PARTE GRAINGER: 4UE31.

CCWLE	CONECTAR AMARILLO AL ROJO Y CONECTAR EL NEGRO AL CABLE AZUL
CWLE	CONECTAR AZUL AL ROJO Y CONECTAR EL NEGRO AL CABLE AZUL

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

REGAL-BELOIT CORPORATION (RBC)
PROVEE ASISTENCIA TECNICA A NUESTROS CLIENTES EN VARIAS AREAS, DESDE QUE RBC NO RECIBE TODOS LOS DATOS EN RELACION AL USO Y LA APLICACION DEL MOTOR, LA APLICACION ADECUADA DEL MOTOR DEBE SER DETERMINADA POR EL CLIENTE.

DIMENSIONES SIN TOLERANCIA SON DE REFERENCIA SOLAMENTE

ELECTRICAMENTE DE ACUERDO
A MUESTRA 0444418C CURVE#32446

DIBUJADO POR: K.GORDON	12-07-2004
APROBADO POR:	
TERCER ANGULO DE PROYECCION	FECHA EDS: 11-11-2011 REV. FORMATO: H
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.	

ETIQUETA DE CONEXION
63T7432-303

VER
NOTA 1

ROT: REVERSIBLE

PLACA DE DATOS:



Tipp City, OH
THERMALLY PROTECTED



SER. DATE & PO# PLT LTR MOD DE2F7106N[]
VOLTS 115 HZ 50/60 AMPS 1.6
RPM 1550 SP1 PH1 CAP 5MFD/370 VAC
INS CL B AMB 40°C HP 1/12 AIR OVER ← ROT REV →
BRG SLV ASSEMBLED IN MEXICO



REGAL-BELOIT CORPORATION

DESCRIPCION:

MODEL-RFHP-42FR
OUTLINE

TAMAÑO: C

NUMERO DE DIBUJO:
DE3F7106

ESCALA: NONE

HOJA: 1

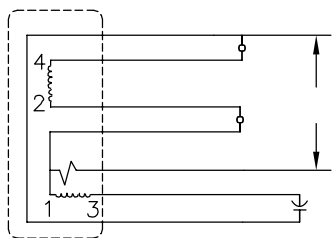
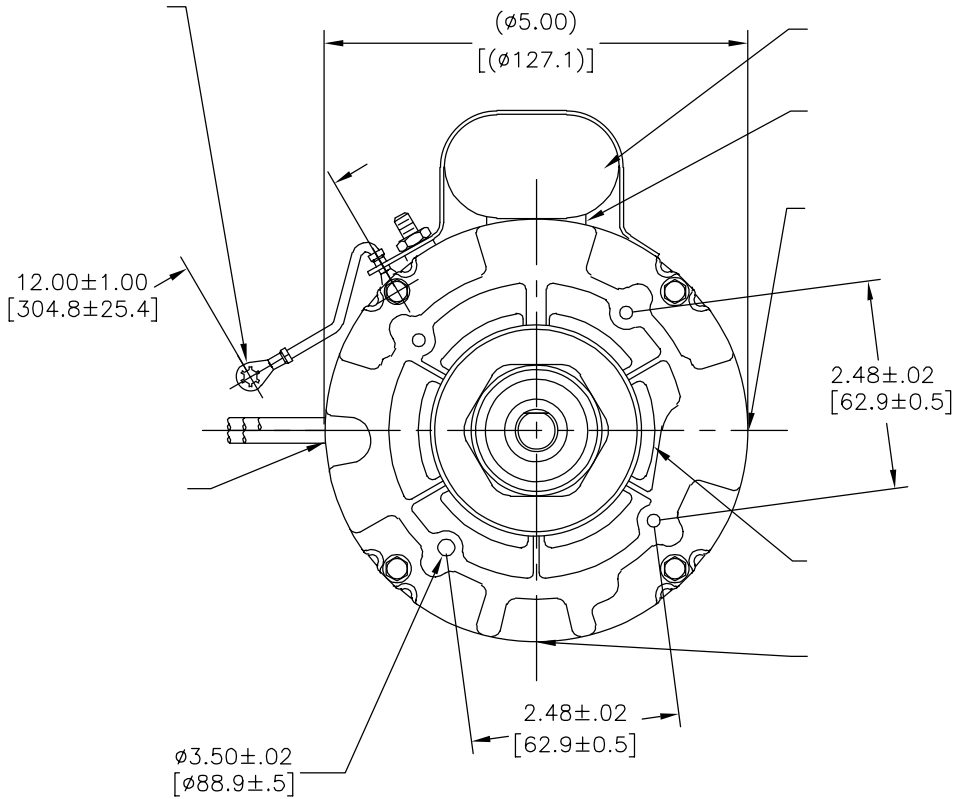
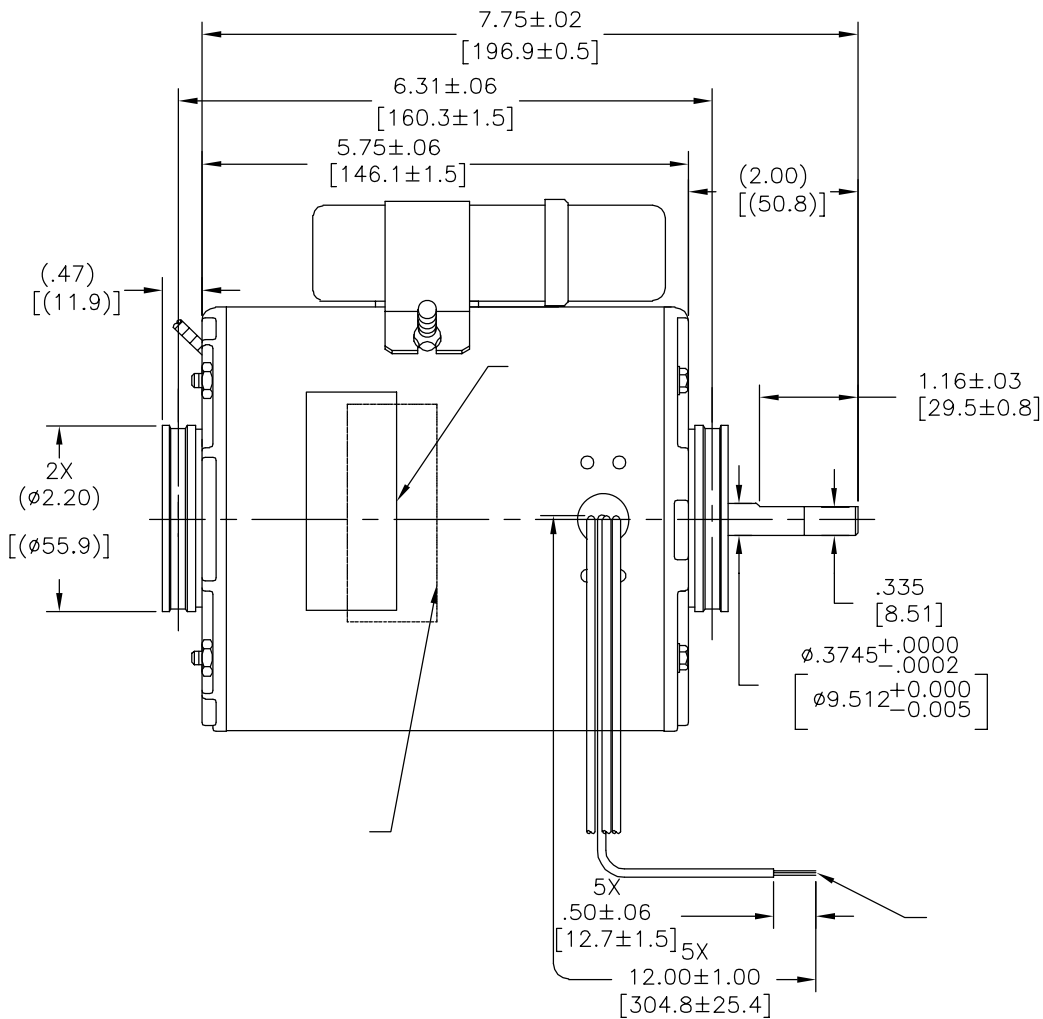
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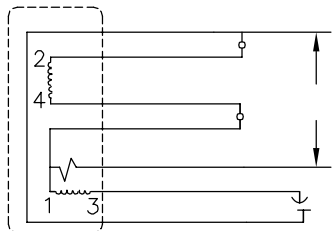
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1

版本	ECO	编制	日期	批准	日期
F	0029021	E.SINECIO	10-18-2012	G.ALVIDREZ	10-18-2012



CWLE



CCWLE

CCWLE	
CWLE	

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

ASME Y14.5M 1994

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未注公差尺寸仅供参考。

绘图: K.GORDON 12-07-2004
批准: .
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ROT: REVERSIBLE



Tipp City, OH
THERMALLY PROTECTED



SER. DATE & PO# PLT LTR MOD DE2F7106N' []
VOLTS 115 HZ 50/60 AMPS 1.6
RPM 1550 SP1 PH1 CAP 5MFD/370 VAC
INS CL B AMB 40°C HP 1/12 AIR OVER ← ROT REV →
BRG SLV ASSEMBLED IN MEXICO



REGAL-BELOIT CORPORATION

名称

MODEL-RFHP-42FR
OUTLINE

图幅

C

图号

DE3F7106

比例

NONE

页号

1