

PRODUCT INFORMATION PACKET



Model No: OAN140

Catalog No: OAN140

OEM Replacement Motor, 3/4 HP, 1 Ph, 60 Hz, 460 V, 1075 RPM, 1 Speed, 48 Frame, SEMI ENCLOSED



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Nameplate Specifications

Output HP	3/4 Hp	Output KW	0.56 kW
Frequency	60 Hz	Voltage	460 V
Current	2.75 A	Speed	1075 rpm
Service Factor	1	Phase	1
Duty	Air Over	Insulation Class	B
Frame	48Y	Enclosure	Semi Enclosed
Thermal Protection	Automatic	Ambient Temperature	60 °C
UL	Recognized	CSA	Y
CE	N	Number of Speeds	1

Technical Specifications

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	6	Rotation	Counterclockwise Lead End
Mounting	Round Belly Band	Motor Orientation	Vertical Shaft Up
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	Double Flat
Overall Length	10.36 in	Frame Length	5.75 in
Shaft Diameter	0.500 in	Shaft Extension	4.0 in
Outline Drawing	F48R38A01-S01	Connection Drawing	614131-004

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3

2

1

GENERAL INFORMATION:

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

BEARINGS: BALL

MOUNTING POSITION: VERTICAL SHAFT UP

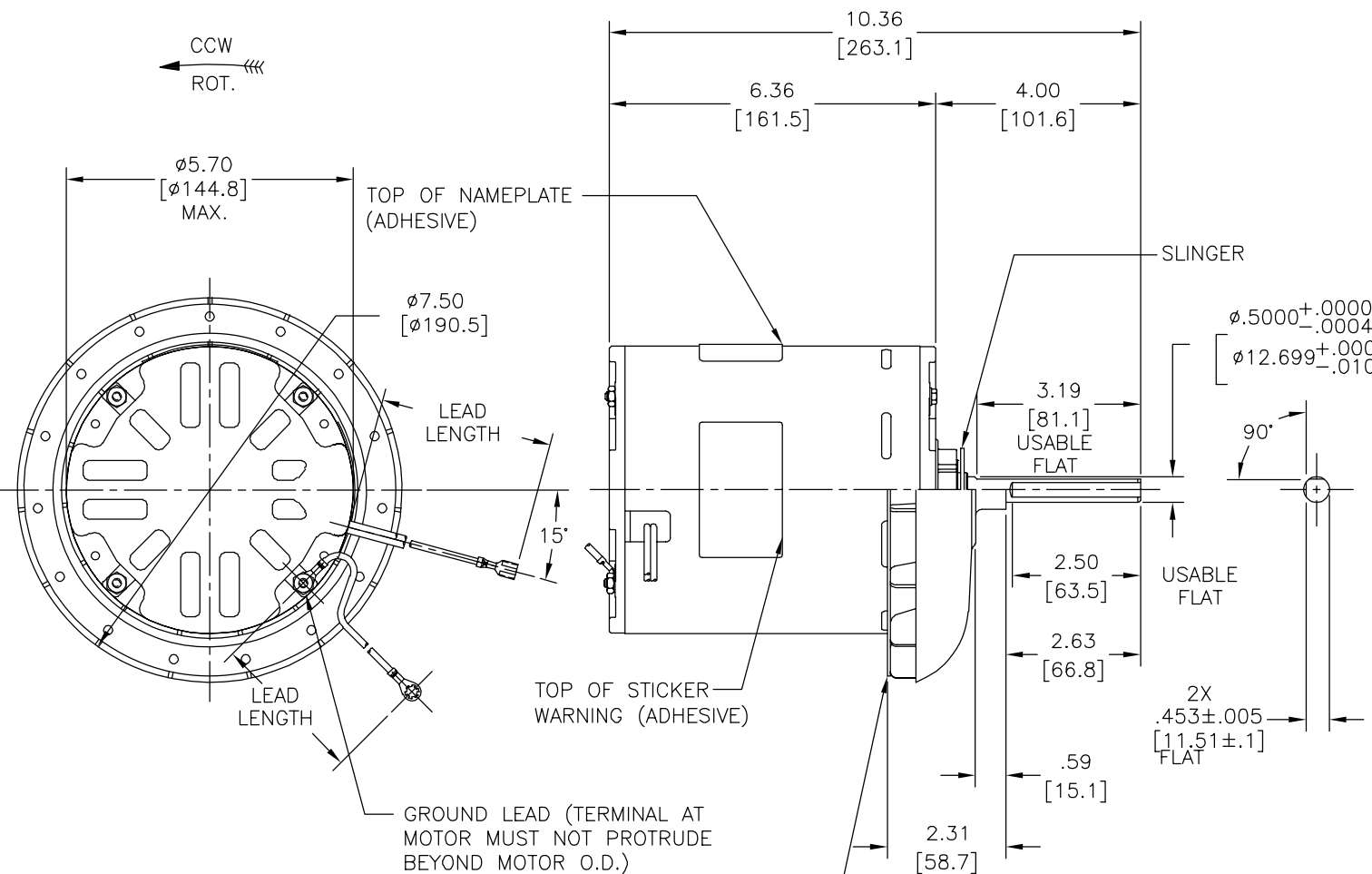
ELECTRICAL DATA:

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

LEADS: NO. 16 GA., .06 [1.5] THK. PVC 105°C INSUL.

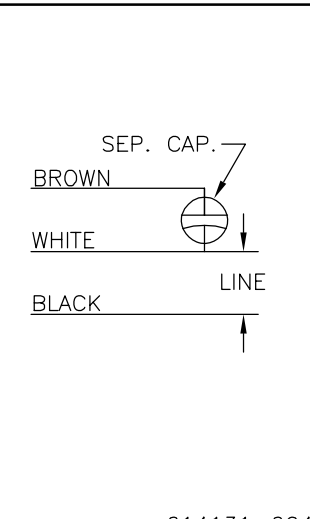
GROUND LEAD: NO. 16 GA., .03 [.8] THK. (GREEN) INSUL.

REV	ECO	REV BY	DATE	APPD	DATE
C	0025553	F. MORENO	05-01-2012	M. AVILA	05-01-2012



NAMEPLATE DATA: EXTERNAL CONNECTION DIAGRAM

MODEL NO.: F48R38A01
 CUST. P/N: OAN140
 HP: 3/4
 ROT.: CCWLE
 RPM: 1075
 TYPE: UF
 FRAME: 48Y
 VOLTS: 460
 PH: 1
 AMPS: 2.75
 HZ: 60
 INS.: B
 AMB.: 60° C
 DUTY: AIR OVER
 CAP.: 12.5 MFD/370 V
 ENCL: SEMI-ENCL.
 UL LOGO
 CSA LOGO
 THERMALLY PROTECTED



614131-004

GREEN (GROUND)	9.0/10.0 [229/254]	#10 EYELET
BROWN	96.0/100.0 [2438/2540]	.25 [6.4] FEMALE SPADE
WHITE	96.0/100.0 [2438/2540]	.25 [6.4] FEMALE SPADE
BLACK	96.0/100.0 [2438/2540]	.25 [6.4] FEMALE SPADE
COLOR	LENGTH	TERMINAL OR STRIP LENGTH

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

CUSTOMER	DISTRIBUTION SERVICE
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PERFORMANCE CURVE NO.	TORQUE @ 1075 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT	CSA
C32019	81.8 OZ. FT.	0141861A	FILE # CCN # FILE # CLASS #	FILE # CLASS #
			E46412 PRGY2 LR43341	4211-01

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

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 DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.

DR BY: JRUPERT 10-26-2009
 APPD: TRILEY 10-26-2009
 THIRD ANGLE PROJECTION
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REGAL-BELOIT CORPORATION
 DESCRIPTION: MODEL-RFHP-48FR OUTLINE
 SIZE: C DWG NO: F48R38A01
 SCALE: NONE SHEET: 1

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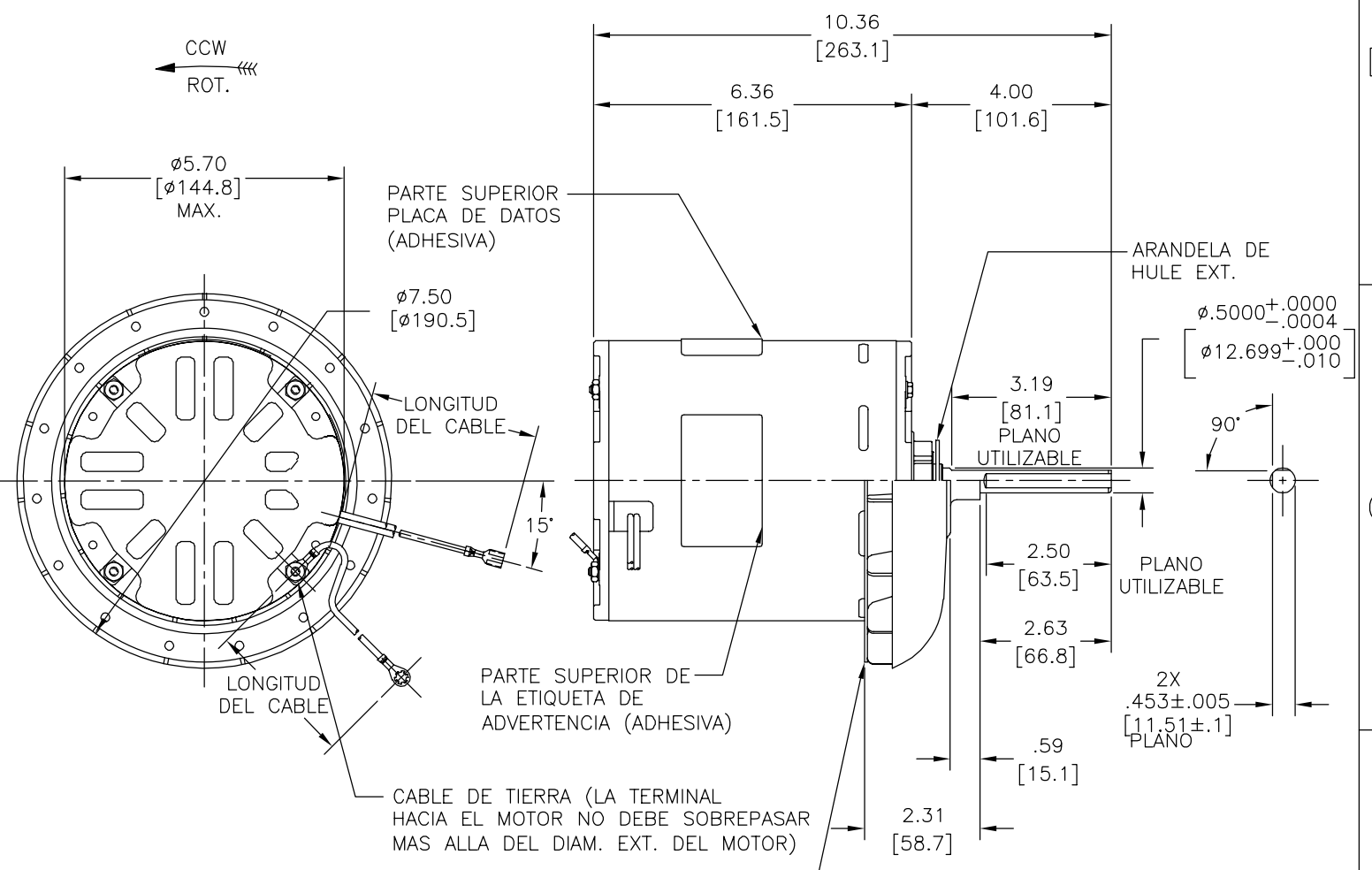
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REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
C	0025553	F. MORENO	05-01-2012	M. AVILA	05-01-2012

INFORMACION GENERAL:
 OSCILACION DE FLECHA: .001 [.03] L.T.I. LONGITUD DE EXTENSION POR PULG.
 BALEROS: BALERO
 POSICION DEL MONTAJE: FLECHA VERTICAL ENCIMA DE

INFORMACION ELECTRICA:
 SOBRECARGA DEL PROTECTOR: REINICIO AUTOMATIC (T.I. 7AM 036)
 CABLES: NO. CAL, 16. .06 [1.5] GROSOR PVC 105°C AISLAM.
 CABLE DE TIERRA: NO. CAL.16, .03 [.8] GROSOR. (VERDE) AISLAM.



INFORMACION DE ETIQUETA:	DIAGRAMA DE CONEXION EXTRNA
MODEL NO.: F48R38A01 CUST. P/N: OAN140 HP: 3/4 ROT.: CCWLE RPM: 1075 TYPE: UF FRAME: 48Y VOLTS: 460 PH: 1 AMPS: 2.75 HZ: 60 INS.: B AMB.: 60° C DUTY: AIR OVER CAP.: 12.5 MFD/370 V ENCL: SEMI-ENCL. UL LOGO CSA LOGO THERMALLY PROTECTED	

VERDE (TIERRA)	9.0/10.0 [229/254]	OJAL #10
BROWN	96.0/100.0 [2438/2540]	.25 [6.4] TERMINAL ESPADE HEMBRA
BWANKED	96.0/100.0 [2438/2540]	.25 [6.4] TERMINAL ESPADE HEMBRA
BEGRK	96.0/100.0 [2438/2540]	.25 [6.4] TERMINAL ESPADE HEMBRA
COLOR	LONGITUD	TERMINAL O LONGITUD DE DESFORRE

DE CARCASA - OLE	ABIERTA
DE TAPA - OLE	ABIERTA
DE CARCASA - LE	ENCERRADO
DE TAPA - LE	ABIERTA

CLIENTE	DISTRIBUTION SERVICE
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CURVAS DE FUNCIONAMIENTO	TORSION @ 1075 RPM (25°C)	MUESTRA APROBADA	COMPONENTE UL	CSA
C32019	81.8 OZ. FT.	0141861A	#ARCHIVO CCN # #ARCHIVO CLASE #	E46412 PRGY2 LR43341 4211-01

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

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 DIMENSIONES SIN TOLERANCIA SON DE REFERENCIA SOLAMENTE

DIBUJADO POR: JRUPERT 10-26-2009
 APROBADO POR: TRILEY 10-26-2009
 TERCER ANGULO DE PROYECCION
 FECHA EDS: 11-11-2011
 REV. FORMATO: G
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REGAL-BELOIT CORPORATION
 DESCRIPCION: MODEL-RFHP-48FR OUTLINE
 TAMAÑO: C NUMERO DE DIBUJO: F48R38A01
 ESCALA: NONE HOJA: 1

4 3 2 1

4 3 2 1

版本	ECO	编制	日期	批准	日期
C	0025553	F. MORENO	05-01-2012	M. AVILA	05-01-2012

总技术要求:

轴跳动: .001[.03]/1[25.4]外伸轴

轴承: 球轴承

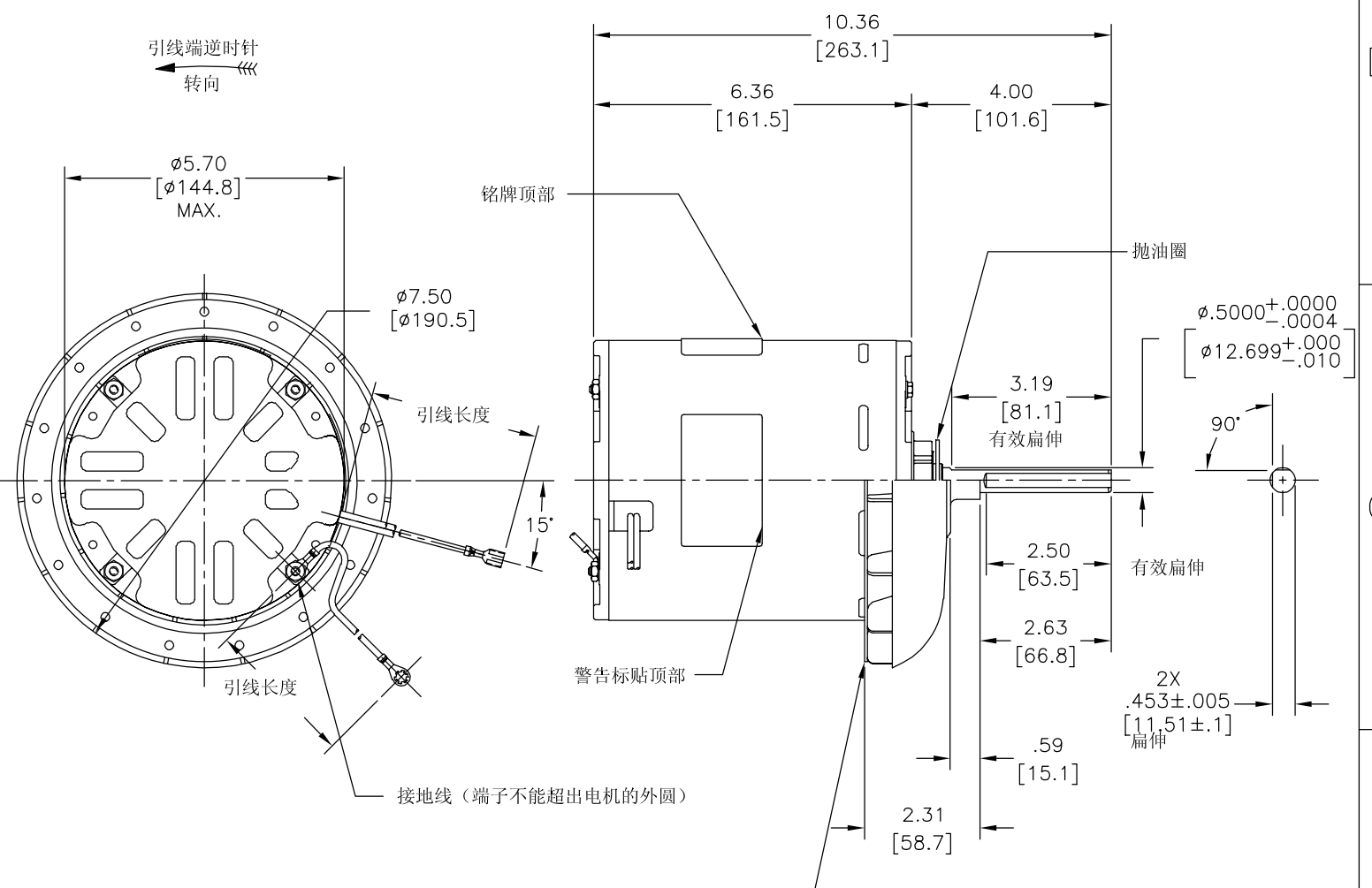
安装位置: 转轴朝下

电气数据:

过载保护: 自动复位 (T.I. 7AM 036)

引线: 16# (美制标准), 厚.06[1.5] PVC 105° C 绝缘

接地线: 16# (美制标准), 厚.03[0.8]绿色绝缘



铭牌数据	外部数据
MODEL NO.: F48R38A01 CUST. P/N: OAN140 HP: 3/4 ROT.: CCWLE RPM: 1075 TYPE: UF FRAME: 48Y VOLTS: 460 PH: 1 AMPS: 2.75 HZ: 60 INS.: B AMB.: 60° C DUTY: AIR OVER CAP.: 12.5 MFD/370 V ENCL: SEMI-ENCL. UL LOGO CSA LOGO THERMALLY PROTECTED	SEP. CAP. BROWN WHITE BLACK LINE

绿 (接地线)	9.0/10.0 [229/254]	#10 带环线
BROWN	96.0/100.0 [2438/2540]	.25 [6.4] 母铲形插
WHITE	96.0/100.0 [2438/2540]	.25 [6.4] 母铲形插
BLACK	96.0/100.0 [2438/2540]	.25 [6.4] 母铲形插
颜色	长度	端子或剥线长度

无引线端机壳	开放
无引线端端盖	开放
有引线端机壳	密封
有引线端端盖	开放

性能曲线编号	转矩在 1075 RPM @ 25° C	批准样品	UL部件	CSA
C32019	81.8 OZ. FT.	0141861A	文件号 指南	文件号 指南
			E46412 PRGY2	LR43341 4211-01

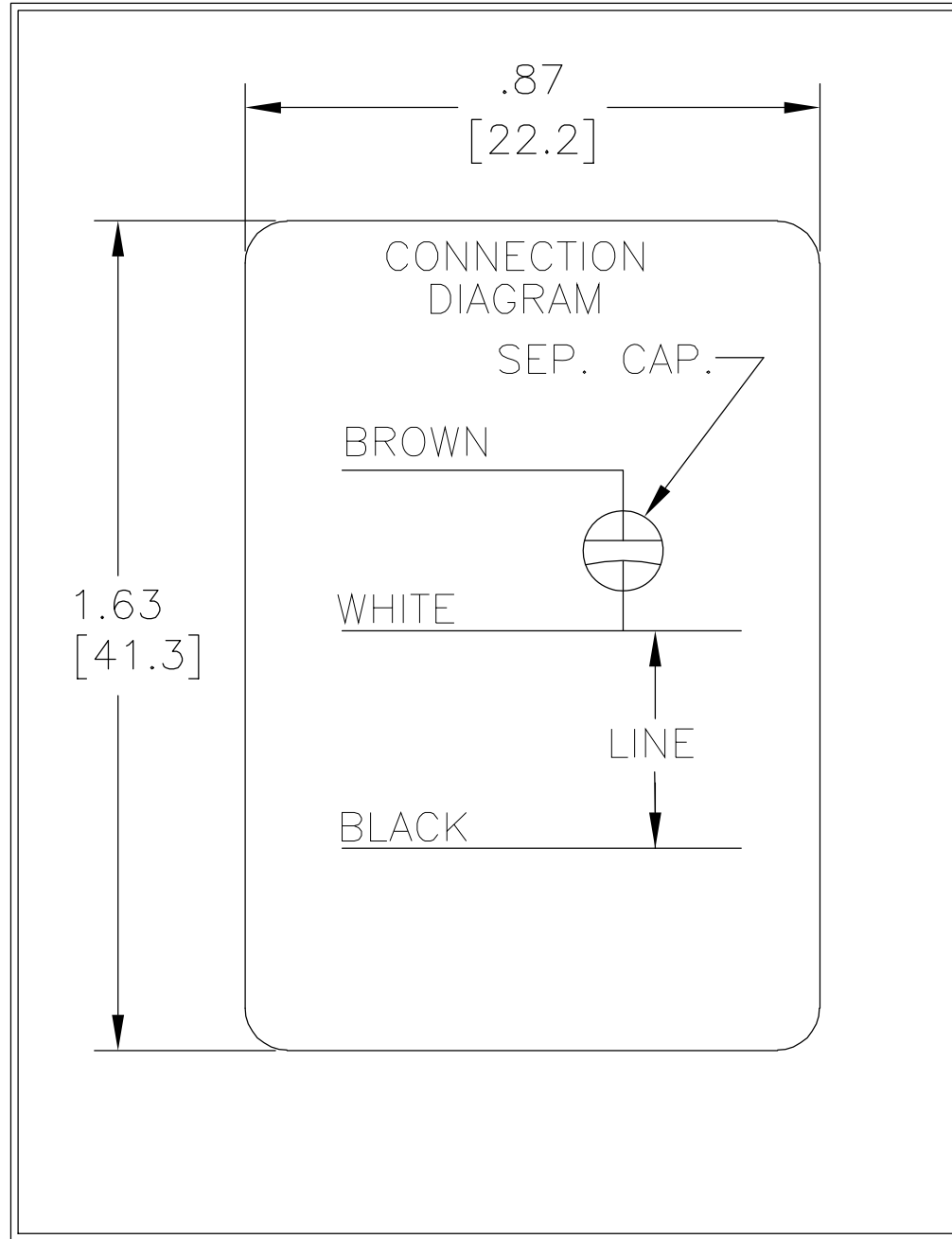
形位公差 □ 平面度 — 直线度 < 倾斜度 ⊥ 垂直度 // 平行度 ○ 圆度 ⊙ 圆柱度 △ 面轮廓度 ⊖ 线轮廓度 ⤴ 圆跳动 ⊕ 位置度 ⊙ 同轴度 ≡ 对称度	REGAL-BELOIT CORPORATION (RBC) 在个别领域为客户提供技术支持。鉴于RBC未收到任何涉及电机使用和应用环境的数据, 电机的适用性由客户自己决定。 未注公差尺寸仅供参考。
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名称: MODEL-RFHP-48FR OUTLINE 图幅: C 图号: F48R38A01 比例: NONE 页号: 1	
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REV	ECO	REV BY	DATE	APPD	DATE
A	0017050	VICTOR MIJARES	03-01-2011	CCONTRERAS	03-01-2011



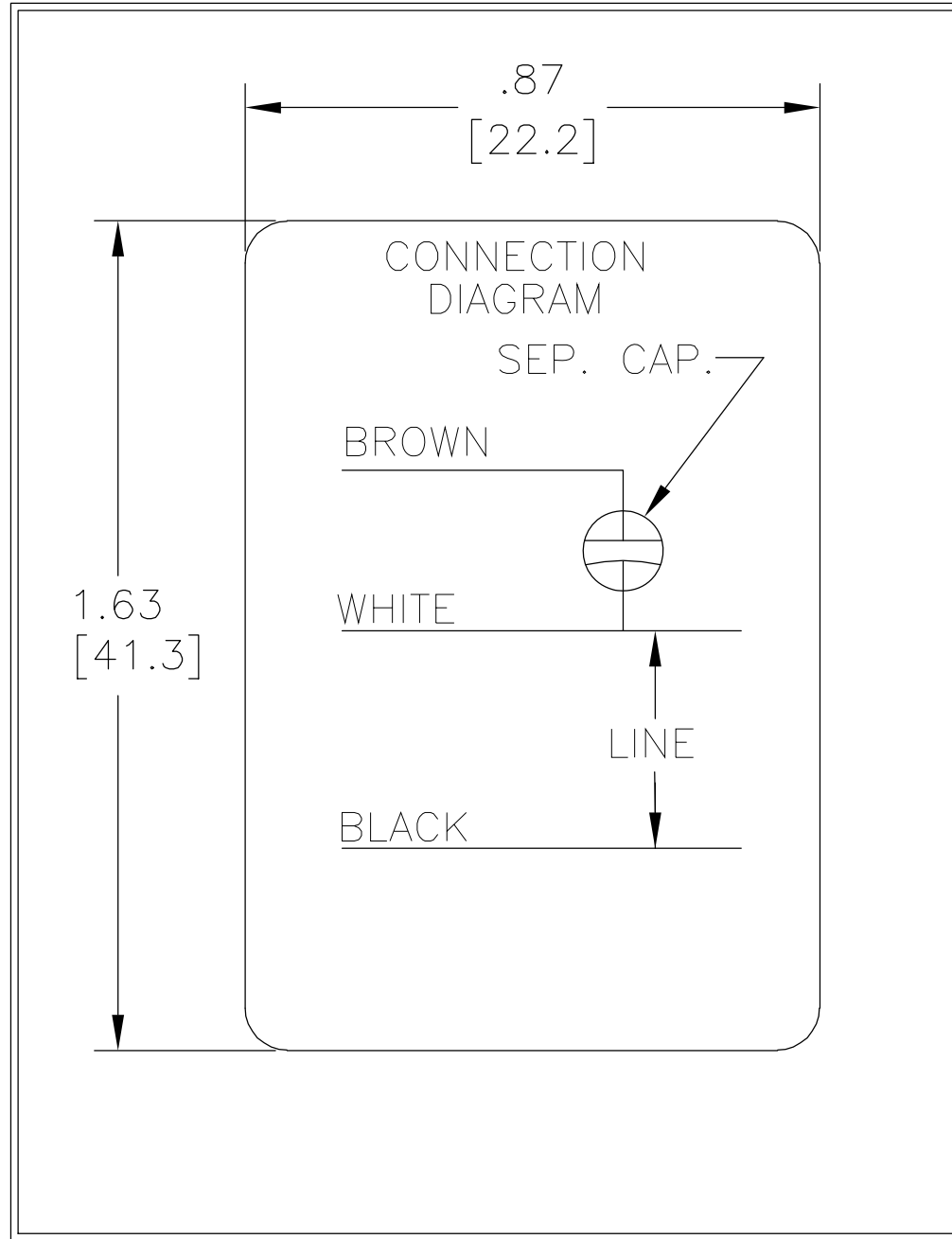
GEOMETRIC CHARACTERISTICS & SYMBOLS
 ▭ FLATNESS
 — STRAIGHTNESS
 < ANGLARITY
 ⊥ PERPENDICULARITY (SQUARENESS)
 // PARALLELISM
 ○ ROUNDNESS (CIRCULARITY)
 ∅ CYLINDRICITY
 △ PROFILE OF ANY SURFACE
 ∩ PROFILE OF ANY LINE
 ↑ RUNOUT
 ⊕ TRUE POSITION
 ⊙ CONCENTRICITY
 ≡ SYMMETRY

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: N.LONG 07/14/1986
 APPD:
 THIRD ANGLE PROJECTION
 EDS DATE 02-22-2008
 FORMAT REV F
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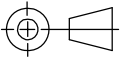
		ELECTRICAL PRODUCTS COMPANY <small>A DIVISION OF A. O. SMITH CORPORATION</small>	
DESCRIPTION CONN DIAGRAM-NAMEPLATE			
SIZE A	DWG NO 614131-004		
SCALE NONE			SHEET 1


REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
A	0017050	VICTOR MIJARES	03-01-2011	CCONTRERAS	03-01-2011



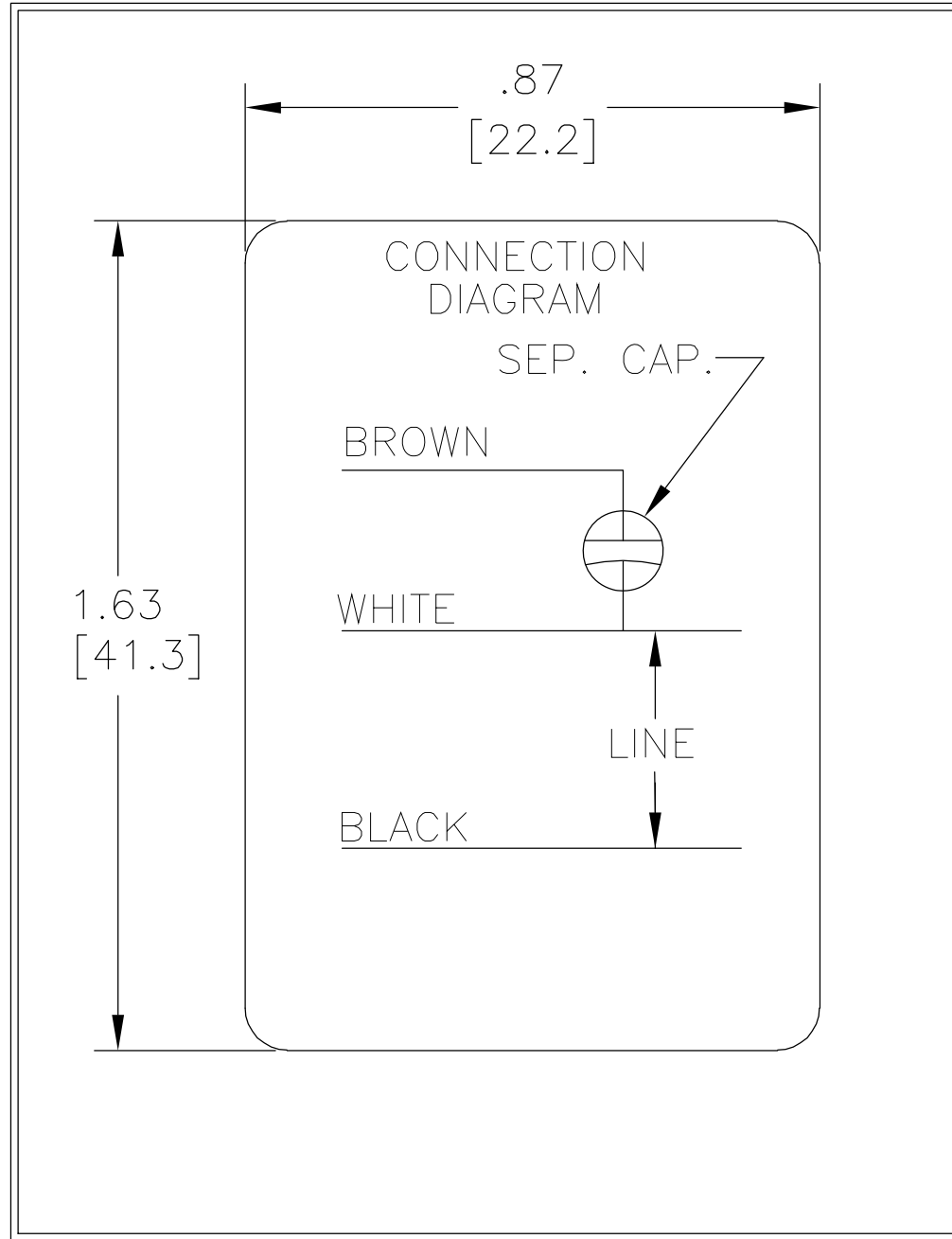
CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS
 ▯ PLANICIDAD
 — RECTITUD
 < ANGULARIDAD
 ⊥ PERPENDICULARIDAD (A ESCUADRA)
 // PARALELISMO
 ○ REDONDEZ (CIRCULARIDAD)
 ∅ CILINDRICIDAD
 △ PERFIL DE CUALQUIER SUPERFICIE
 ∩ PERFIL DE CUALQUIER LINEA
 ↑ VARIACION
 ⊕ POSICION REAL
 ⊙ CONCENTRICIDAD
 ≡ SIMETRIA

A MENOS QUE SE ESPECIFIQUE DE OTRA MANERA, LAS TOLERANCIAS DE LAS DIMS; SON LAS SIGUIENTES:
 X XX XXX XXXX
 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: N.LONG 07/14/1986
 APROBADO POR:
 TERCER ANGULO DE PROYECCION  FECHA EDS: 02-22-2008
 REV. FORMATO: F
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DESCRIPCION: CONN DIAGRAM-NAMEPLATE	
TAMAÑO: A	NUMERO DE DIBUJO: 614131-004
ESCALA:NONE	HOJA: 1

版本	ECO	编制	日期	批准	日期
A	0017050	VICTOR MIJARES	03-01-2011	CCONTRERAS	03-01-2011



- 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:

	X	XX	XXX	XXXX
英寸	±.1	±.02	±.005	±.0005
毫米	±0.5	±0.13	±0.013	
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	

米制尺寸显示在 []

绘图:	N.LONG	07/14/1986
批准:		
第三角投影		图纸格式发布日期 02-22-2008 图纸格式版本 F
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名称 CONN DIAGRAM-NAMEPLATE			
图幅	A	图号	614131-004
比例	NONE	页号	1