

PRODUCT INFORMATION PACKET



Model No: OCA3076H

Catalog No: OCA3076H

OEM Replacement Motor, 3/4 HP, 3 Ph, 60 Hz, 460 V, 1140 RPM, 1 Speed, 48 Frame, TEAO



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Nameplate Specifications

Output HP	3/4 Hp	Output KW	0.56 kW
Frequency	60 Hz	Voltage	460 V
Current	1.9 A	Speed	1140 rpm
Service Factor	1	Phase	3
Duty	Air Over	Insulation Class	B
Frame	48Y	Enclosure	Totally Enclosed Air Over
Thermal Protection	Automatic	Ambient Temperature	60 °C
UL	Recognized	CSA	Y
CE	N	Number of Speeds	1

Technical Specifications

Electrical Type	Polyphase	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Mounting	Extended Studs	Motor Orientation	Vertical Shaft Down
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	Double Flat
Overall Length	12.60 in	Frame Length	8.13 in
Shaft Diameter	0.500 in	Shaft Extension	3 in
Connection Drawing	614131-147	Outline Drawing	OCA3076H-S01

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REV	ECO	REV BY	DATE	APPD	DATE
C	0024331	A.CHEN	03-13-2012	B.SHEN	03-13-2012

GENERAL INFORMATION:

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

BEARINGS: BALL

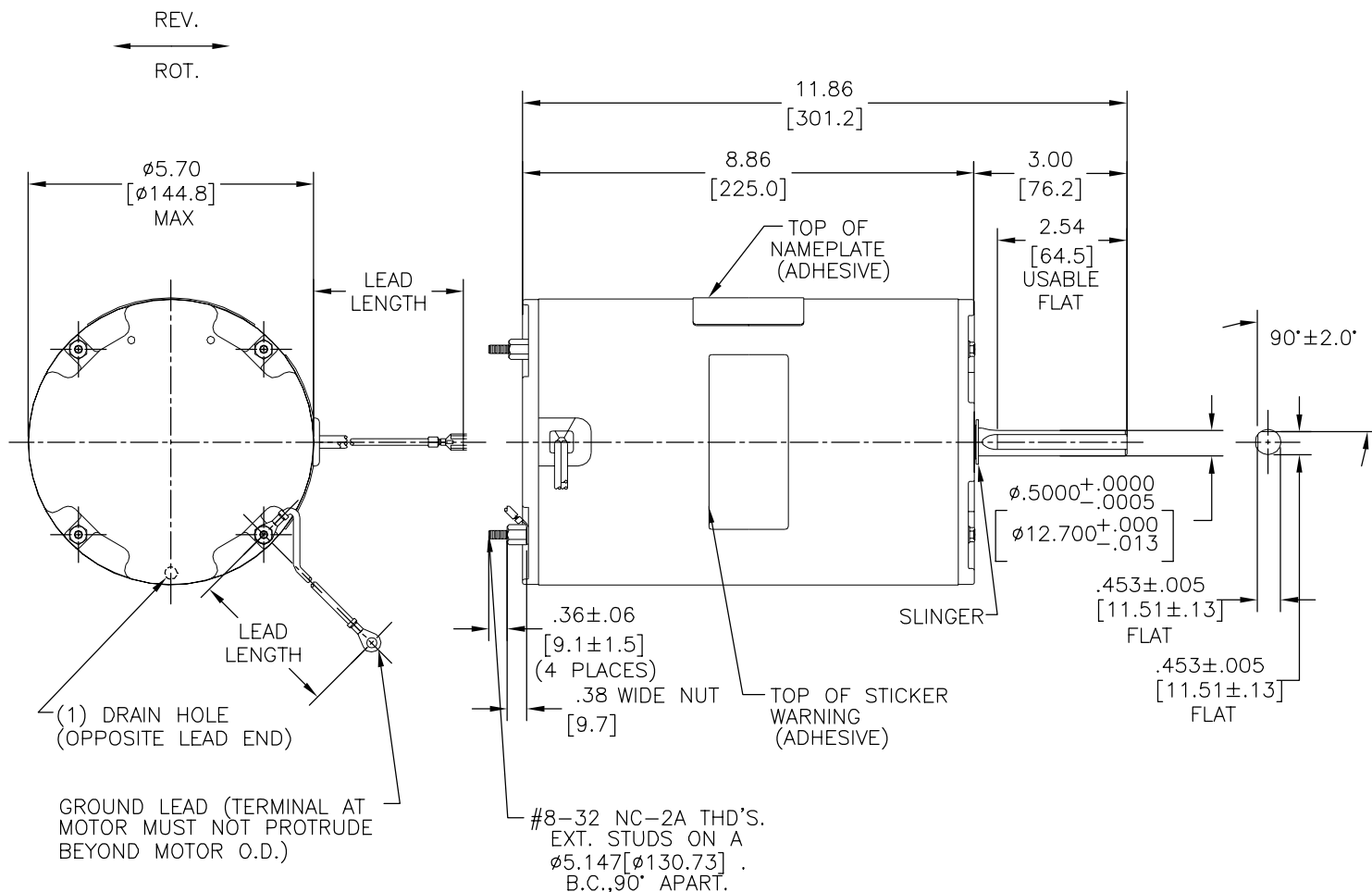
MOUNTING POSITION: VERTICAL SHAFT-DOWN

ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET (T.I. MWJ57JR)

LEADS: NO. 16 GA., .06[1.5] THK., EPDM 125°C INSUL.

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



NAMEPLATE DATA: EXTERNAL CONNECTION DIAGRAM

MODEL NO.: P48SW6V2
 CUST. P/N: OCA3076H
 HP: 3/4
 ROT.: REVERSIBLE
 RPM: 1140
 TYPE: UP
 FRAME: 48Y
 VOLTS: 460
 PH: 3
 AMPS: 1.9
 HZ: 60
 INS.: B
 AMB.: 60° C
 DUTY: AIR OVER
 CAP.: -
 ENCL: ENCLOSED
 UL LOGO
 CSA LOGO
 THERMALLY PROTECTED

CONNECTION DIAGRAM

BLACK (L1)

YELLOW (L2)

BLUE (L3)

614131-147

GREEN(GRD)	60.0/62.0 1524/1575]	#10 EYELET
BLACK(L1)	60.0/62.0 1524/1575]	.25[6.4] FEMALE SPADE
YELLOW(L2)	60.0/62.0 1524/1575]	.25[6.4] FEMALE SPADE
BLUE(L3)	60.0/62.0 1524/1575]	.25[6.4] FEMALE SPADE
COLOR	LENGTH	TERMINAL OR STRIP LENGTH

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

CUSTOMER	DISTRIBUTION SERVICES
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PERFORMANCE CURVE NO.	TORQUE @ 1120 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT FILE #	CCN #	CSA FILE #	CLASS #
C30273	84.0 OZ. FT.	89AC120A	E46412	PRGY2	LR43341	4211-01

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.

DR BY: A.CHEN 03-13-2012

APPD: B.SHEN 03-13-2012

THIRD ANGLE PROJECTION

EDS DATE 11-11-2011
 FORMAT REV G

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REGAL-BELOIT CORPORATION

DESCRIPTION: MODEL-RFHP-48FR OUTLINE

SIZE: C DWG NO: OCA3076H

SCALE: NONE SHEET: 1

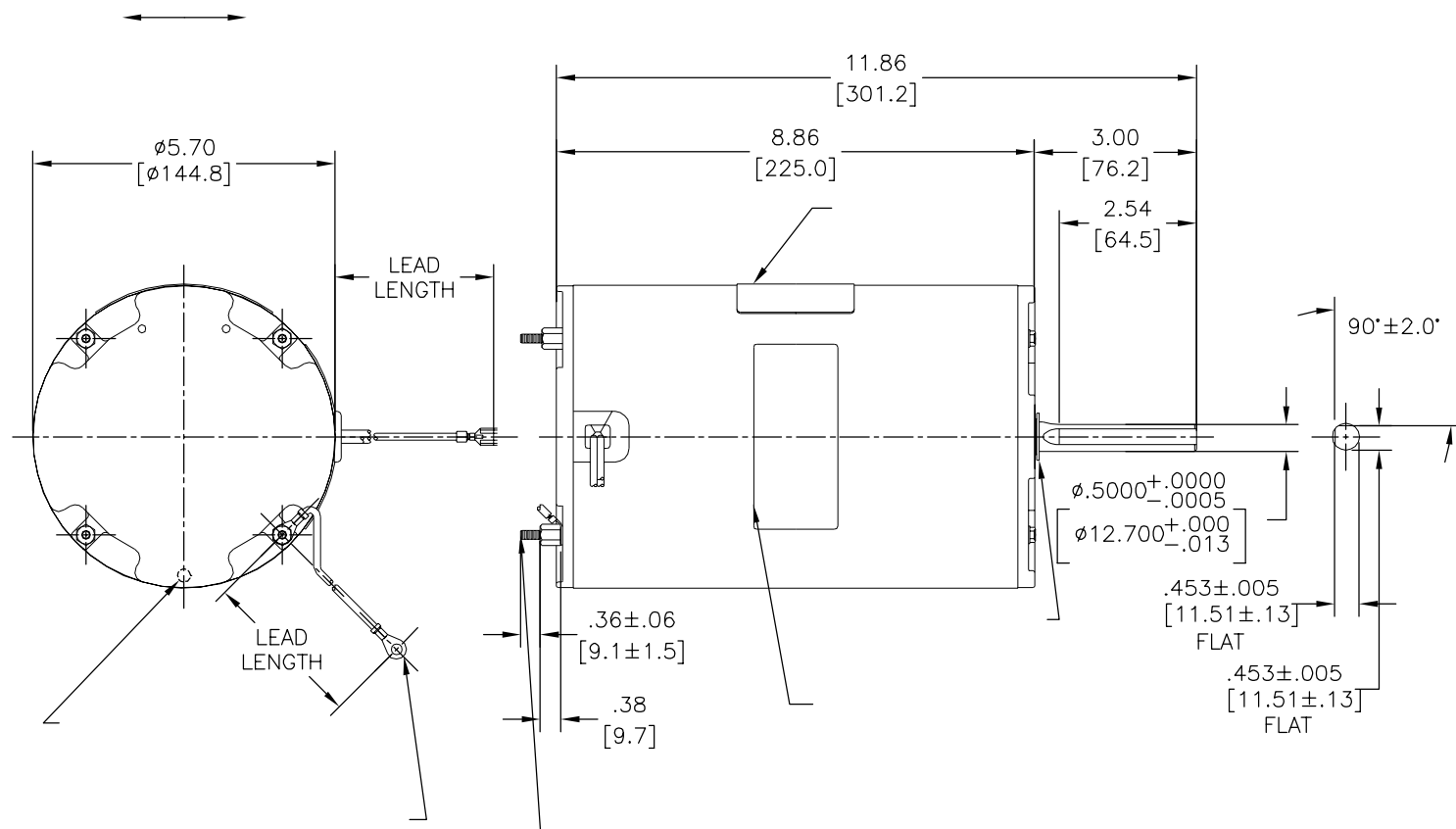
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REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
C	0024331	A.CHEN	03-13-2012	B.SHEN	03-13-2012



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 UL LOGO
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 THERMALLY PROTECTED

614131-147

	60.0/62.0	
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C30273	84.0 OZ. FT.	89AC120A	E46412	PRGY2	LR43341	4211-01
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DISTRIBUTION SERVICES

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 A LA APLICACION DEL MOTOR, LA APLICACION ADECUADA DEL MOTOR DEBE SER DETERMINADA POR EL CLIENTE.

DIMENSIONES SIN TOLERANCIA SON DE REFERENCIA SOLAMENTE

DIBUJADO POR: A.CHEN
 03-13-2012
 APROBADO POR: B.SHEN
 03-13-2012
 TERCER ANGULO DE PROYECCION
 FECHA EDS: 11-11-2011
 REV. FORMATO: G

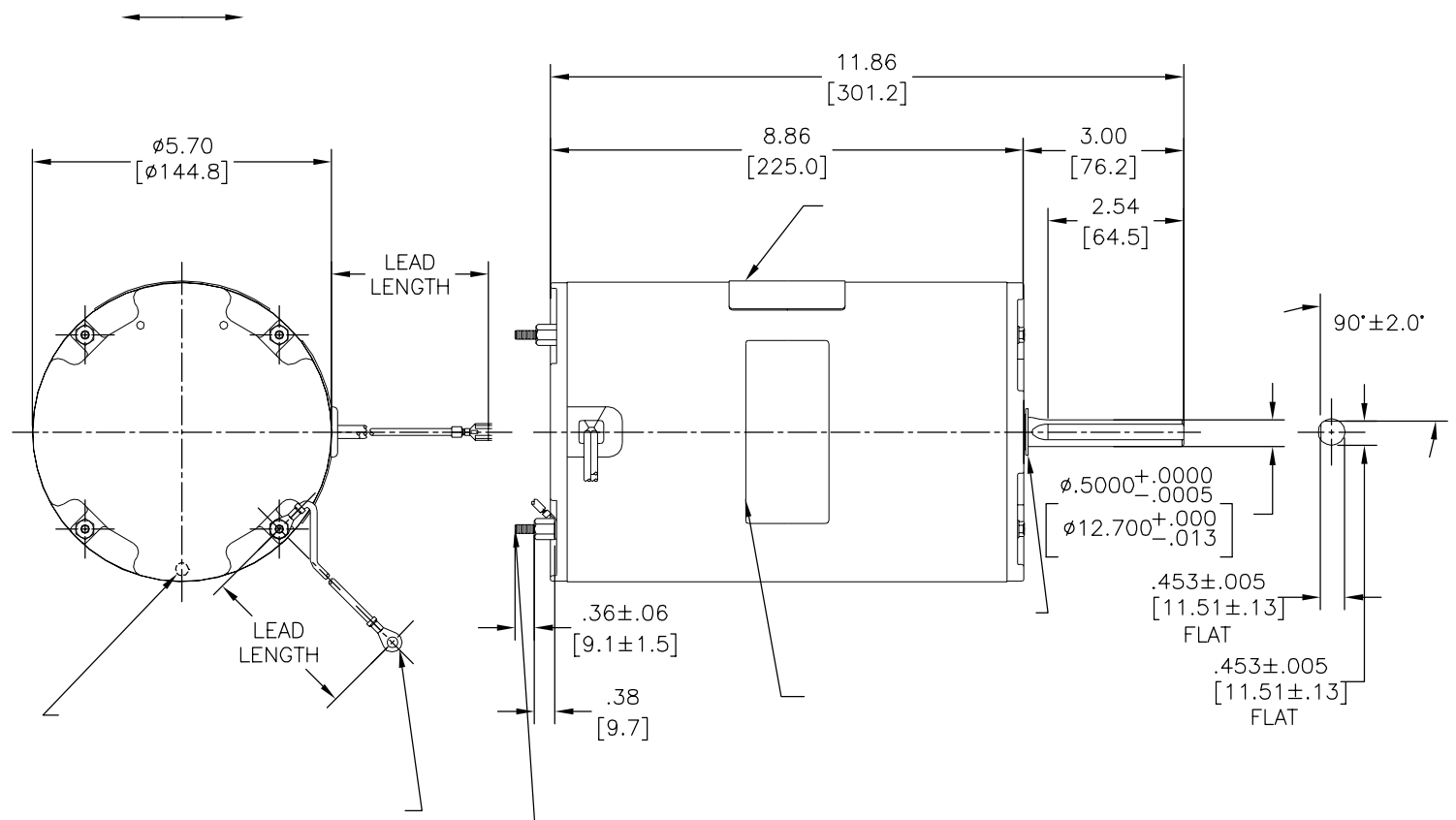
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DESCRIPCION: MODEL-RFHP-48FR OUTLINE
 TAMAÑO: C NUMERO DE DIBUJO: OCA3076H
 ESCALA: NONE HOJA: 1

4 3 2 1

版本	ECO	编制	日期	批准	日期
C	0024331	A.CHEN	03-13-2012	B.SHEN	03-13-2012



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614131-147

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C30273	84.0 OZ. FT.	89AC120A	E46412	PRGY2	LR43341	4211-01
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DISTRIBUTION SERVICES

- 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:	A.CHEN	03-13-2012
批准:	B.SHEN	03-13-2012
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名称	MODEL-RFHP-48FR OUTLINE	
图幅	C	图号 OCA3076H
比例	NONE	页号 1

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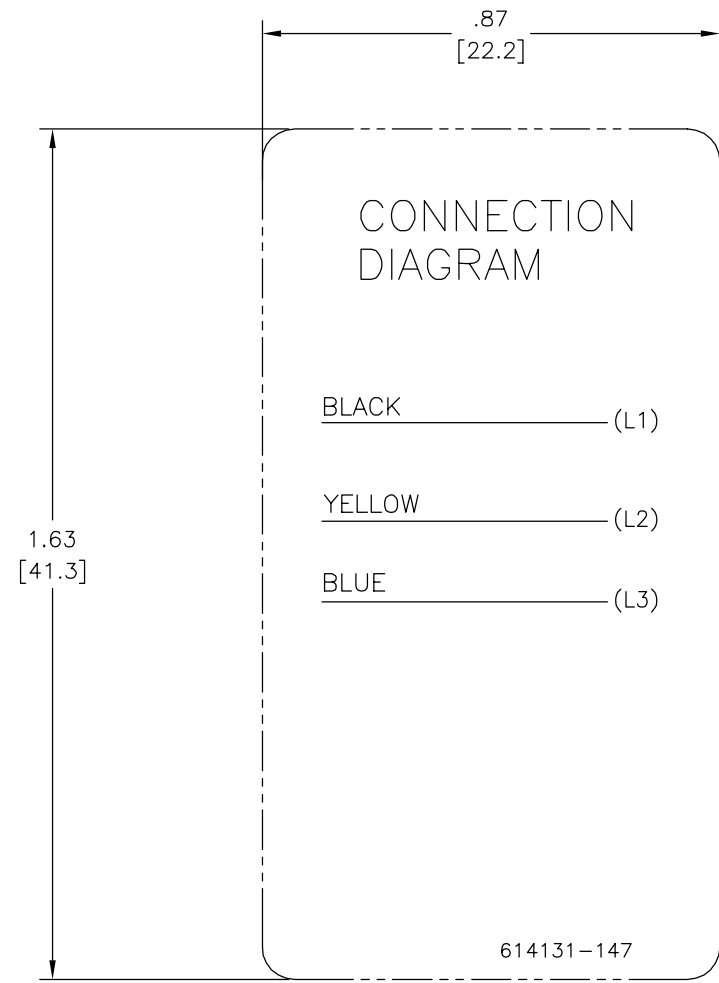
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REV	ECO	REV BY	DATE	APPD	DATE
B	19720	AS	03-28-2011	CZ	03-28-2011



NOTES:

1. FOR USE WITH 614129 NAMEPLATE BLANK
2. ———— INDICATES DIMENSION LIMITS
3. DIE TO BE MADE FROM MASTER SUPPLIED BY A. O. SMITH CORPORATION
4. DIE MUST PRODUCE A LEGIBLE IMPRESSION.

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 0.1-0.4
 CORNER FILLETS TO:
 INCH .020 mm 0.5
 MACHINE SURFACES:
 INCH 125 mm 3.2
 METRIC DIMS. SHOWN IN [BRACKETS]

DR BY:	J.WILLIAMS	04-19-89
APPD:		
THIRD ANGLE PROJECTION		EDS DATE 02-22-2008 FORMAT REV F
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	ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION
DESCRIPTION CONN DIAGRAM-NAMEPLATE	
SIZE C	DWG NO 614131-147
SCALE NONE	SHEET 1

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REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
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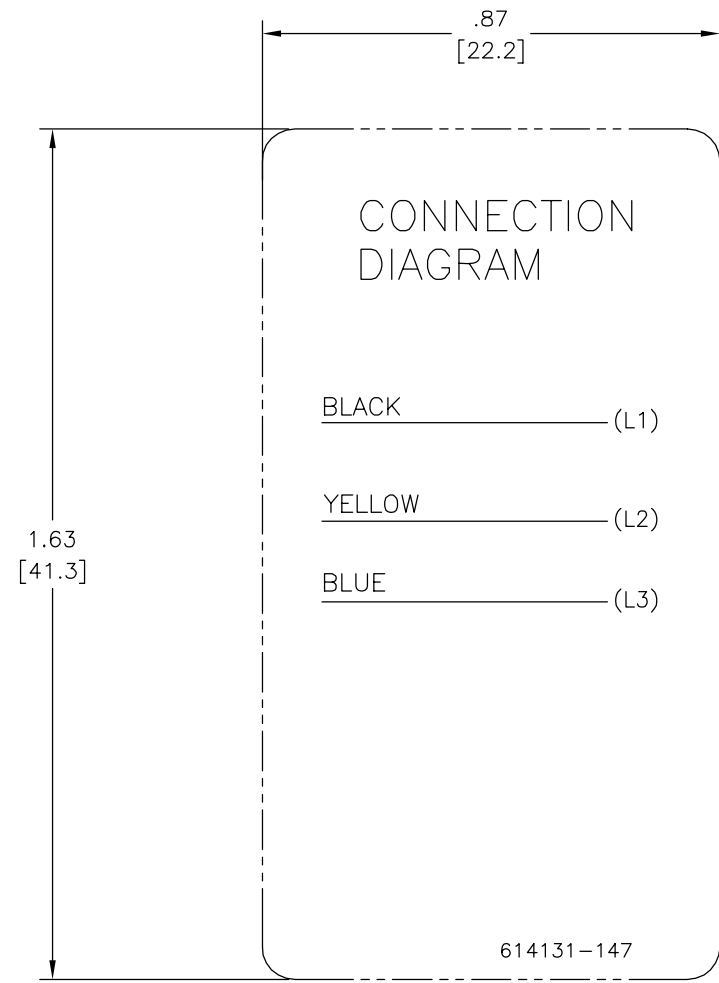
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CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS ▢ PLANICIDAD — RECTITUD ∠ ANGULARIDAD ⊥ PERPENDICULARIDAD (A ESCUADRA) // PARALELISMO ○ REDONDEZ (CIRCULARIDAD) ∅ CILINDRICIDAD △ PERFIL DE CUALQUIER SUPERFICIE ▲ PERFIL DE CUALQUIER LINEA ↗ VARIACION ⊕ POSICION REAL ⊙ CONCENTRICIDAD = SIMETRIA	A MENOS QUE SE ESPECIFIQUE DE OTRA MANERA, LAS TOLERANCIAS DE LAS DIMS; SON LAS SIGUIENTES: 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: J.WILLIAMS	04-19-89		DESCRIPCION: CONN DIAGRAM-NAMEPLATE
		APROBADO POR:	TERCER ANGULO DE PROYECCION		
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版本	ECO	编制	日期	批准	日期
B	19720	AS	03-28-2011	CZ	03-28-2011

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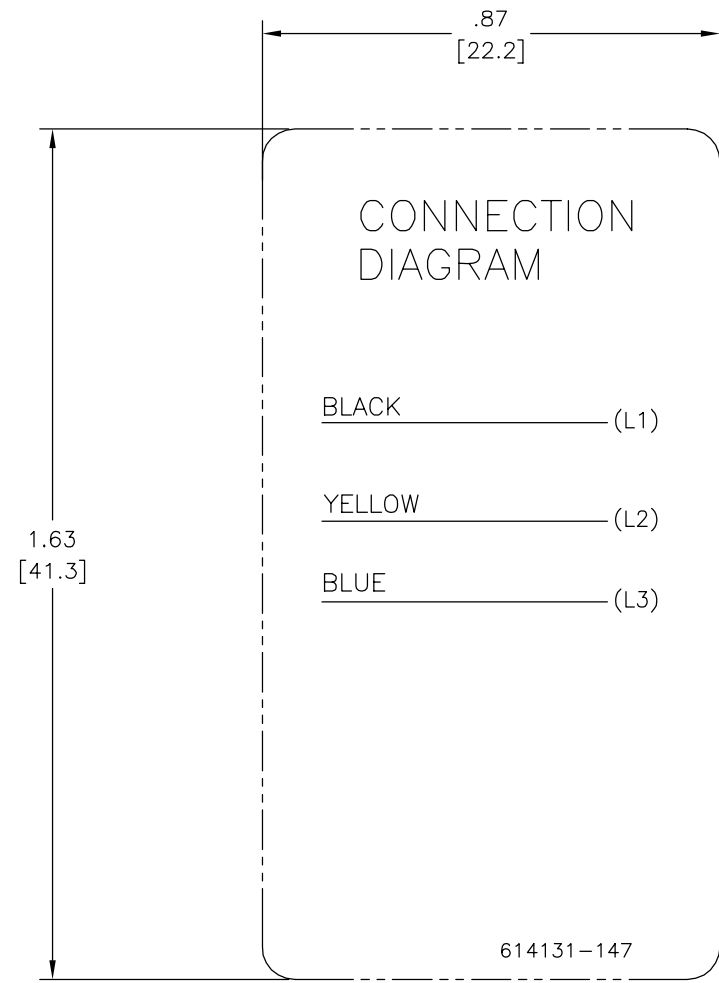
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形位公差 □ 平面度 — 直线度 ∠ 倾斜度 ⊥ 垂直度 ∥ 平行度 ○ 圆度 ⊘ 圆柱度 △ 面轮廓度 ⌒ 线轮廓度 ↗ 圆跳动 ⊕ 位置度 ⊙ 同轴度 ≡ 对称度
--

除另有注明 尺寸公差如下: 英寸 X XX XXX XXXX ±.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 []
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绘图: J.WILLIAMS	04-19-89
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名称	CONN DIAGRAM-NAMEPLATE
图幅	C
图号	614131-147
比例	NONE
页号	1