

PRODUCT INFORMATION PACKET



Model No: OKT3035
Catalog No: OKT3035

OEM Replacement Motor, 1/3 HP, 1 Ph, 60/50 Hz, 115/208-230 V, 1075/900 RPM, 1 Speed, 48 Frame,
SEMI ENCL



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Nameplate Specifications

Phase	1	Output HP	1/3 Hp
Output KW	0.25 kW	Voltage	115/208-230 V
Speed	1075/900 rpm	Service Factor	1.0
Frame	48	Enclosure	Semi Enclosed
Thermal Protection	Automatic	Ambient Temperature	40 °C
Frequency	60/50 Hz	Current	6.3/2.8-3.15 A
Duty	Air Over	Insulation Class	B
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 Opposite Shaft End
Mounting	Resilient Base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	Flat
Overall Length	10.50 in	Frame Length	5.75 in
Shaft Diameter	0.500 in	Shaft Extension	3.5 in
Outline Drawing	OKT3035-S01	Connection Drawing	614131-336

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REV	ECO	REV BY	DATE	APPD	DATE
G	0025555	O. CARVAJAL	05-02-2012	M. AVILA	05-02-2012

GENERAL INFORMATION:

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

BEARINGS: BALL

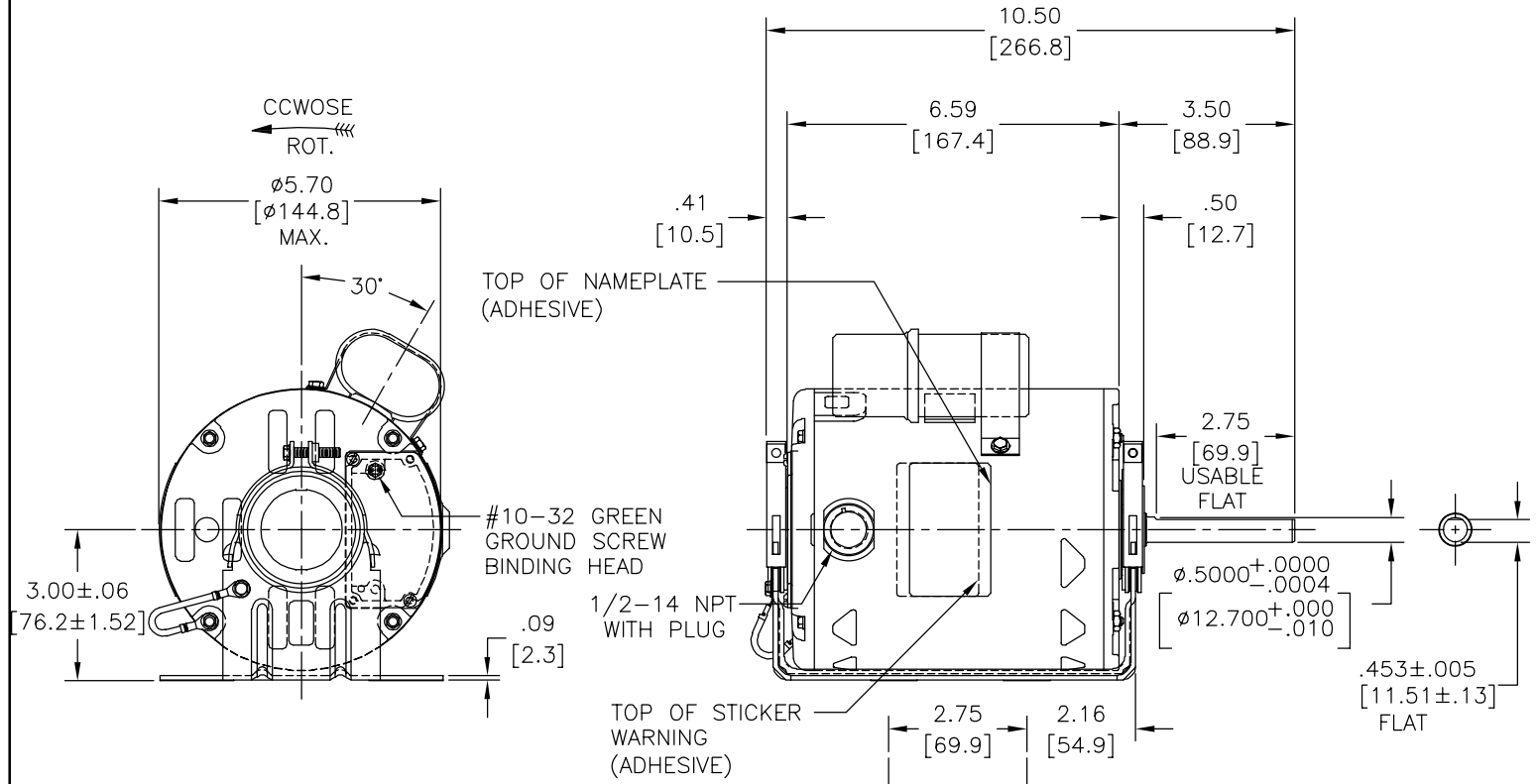
MOUNTING POSITION: HORIZONTAL

ELECTRICAL DATA:

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

LEADS: NO. 18 GA., .06 [1.5] THK. PVC 105°C INSUL.

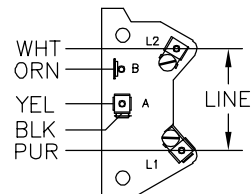
GROUND LEAD: NO. 18 GA., .03 [.8] THK. (GREEN) INSUL.



NAMEPLATE DATA:

EXTERNAL CONNECTION DIAGRAM

MODEL NO.: F48Y03A01
 CUST. P/N: OKT3035
 HP: 1/3
 ROT.: CCWLE
 RPM: 1075/900
 TYPE: UF
 FRAME: 48
 VOLTS: 115/208-230
 PH: 1
 AMPS: 6.3/2.8-3.15
 HZ: 60/50
 INS.: B
 AMB.: 40° C
 DUTY: AIR OVER
 CAP.: 5 MFD/370 V
 ENCL: SEMI-ENCL.
 UL LOGO
 CSA LOGO
 THERMALLY PROTECTED



SHOWN FOR 230 VOLT CONNECTION, FOR 115 VOLTS, CONNECT YELLOW TO L2 AND ORANGE TO A

614131-336

GREEN (GROUND)	CONNECTED TO BASE	#8 EYELET
BROWN	CONNECTED TO CAPACITOR	.25 [6.4] FLAG
BROWN/WHITE	CONNECTED TO CAPACITOR	.25 [6.4] FLAG
PURPLE	3.5/5.5 [89/140]	.25 [6.4] FLAG
YELLOW	5.5/7.5 [140/191]	.25 [6.4] FLAG
ORANGE	5.5/7.5 [140/191]	.25 [6.4] FLAG
WHITE	3.5/5.5 [89/140]	.25 [6.4] FLAG
BLACK	5.5/7.5 [140/191]	.25 [6.4] FLAG
COLOR	LENGTH	TERMINAL OR STRIP LENGTH

MAIN FRAME - OLE	SEMI-ENCL.
END FRAME - OLE	OPEN
MAIN FRAME - LE	SEMI-ENCL.
END FRAME - LE	ENCLOSED

CUSTOMER	DISTRIBUTION SERVICE
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PERFORMANCE CURVE NO.	TORQUE @ 1075 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT FILE #	CCN #	CSA FILE #	CLASS #
C32593	41.4 OZ. FT.	0501471A	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: SR
 07-18-2006
 APPD:
 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: OKT3035
 SCALE: NONE
 SHEET: 1

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REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
G	0025555	O. CARVAJAL	05-02-2012	M. AVILA	05-02-2012

INFORMACION GENERAL:

OSCILACION DE FLECHA: .001 [.03] T.I.R. PER INCH LENGTH OF EXTENSION

BALEROS: BALERO

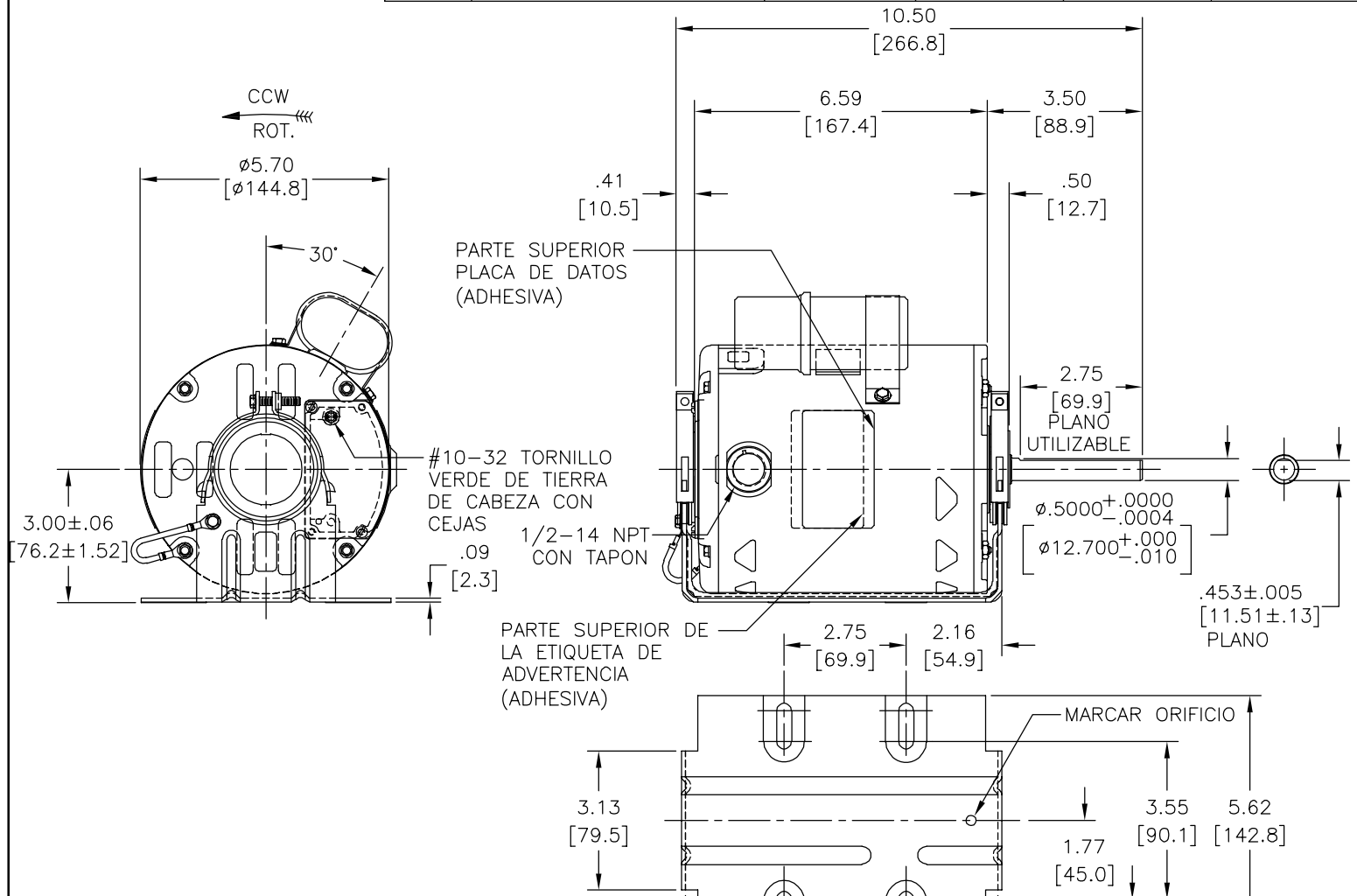
POSICION DEL MONTAJE: HORIZONTAL

INFORMACION ELECTRICA:

PROTECTOR DE SOBRECARGA: REINICIO AUTOMATICO (T.I. 7AM 036)

CABLES: NO. 18 GA., .06 [1.5] THK. PVC 105°C AISLAM.

CABLE DE TIERRA: NO. 18 GA., .03 [.8] THK. (VERDE) AISLAM.



VERDE (TIERRA)	CONECTADO A LA BASE	OJAL #8
CAFE	CONECTADO AL CAPACITOR	.25 [6.4] BANDERA
CAFE/BLANCO	CONECTADO AL CAPACITOR	.25 [6.4] BANDERA
PURPURA	3.5/5.5 [89/140]	.25 [6.4] BANDERA
AMARILLO	5.5/7.5 [140/191]	.25 [6.4] BANDERA
NARANJA	5.5/7.5 [140/191]	.25 [6.4] BANDERA
BLANCO	3.5/5.5 [89/140]	.25 [6.4] BANDERA
NEGRO	5.5/7.5 [140/191]	.25 [6.4] BANDERA
COLOR	LONGITUD	TERMINAL O LONGITUD DE DESFORRE

CARCASA - LOC	SEMI-ENCERRADO
TAPA - LOC	ABIERTA
CARCASA - LC	SEMI-ENCERRADO
TAPA - LC	ENCERRADO

CLIENTE	DISTRIBUTION SERVICE
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INFORMACION DE ETIQUETA:	DIAGRAMA DE CONEXION EXTRNA
MODEL NO.: F48Y03A01 CUST. P/N: OKT3035 HP: 1/3 ROT.: CCWLE RPM: 1075/900 TYPE: UF FRAME: 48 VOLTS: 115/208-230 PH: 1 AMPS: 6.3/2.8-3.15 HZ: 60/50 INS.: B AMB.: 40° C DUTY: AIR OVER CAP.: 5 MFD/370 V ENCL: SEMI-ENCL. UL LOGO CSA LOGO THERMALLY PROTECTED	<p>SHOWN FOR 230 VOLT CONNECTION, FOR 115 VOLTS, CONNECT YELLOW TO L2 AND ORANGE TO A</p> <p>614131-336</p>

CURVAS DE FUNCIONAMIENTO	TORSION @ 1075 RPM (25°C)	MUESTRA APROBADA	COMPONENTE UL	CSA
C32593	41.4 OZ. FT.	0501471A	#ARCHIVO PRGY2	CLASE # 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

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: SR 07-18-2006
 APROBADO POR:
 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: OKT3035

ESCALA: NONE HOJA: 1

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4 3 2 1

版本	ECO	编制	日期	批准	日期
G	0025555	O. CARVAJAL	05-02-2012	M. AVILA	05-02-2012

总技术要求:

轴跳动: .001[.03]/1[25.4]外伸轴

轴承: 球轴承

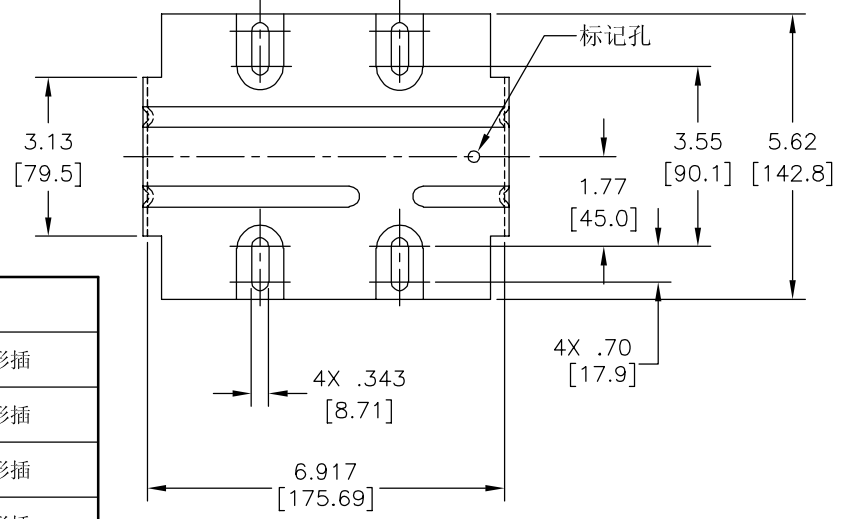
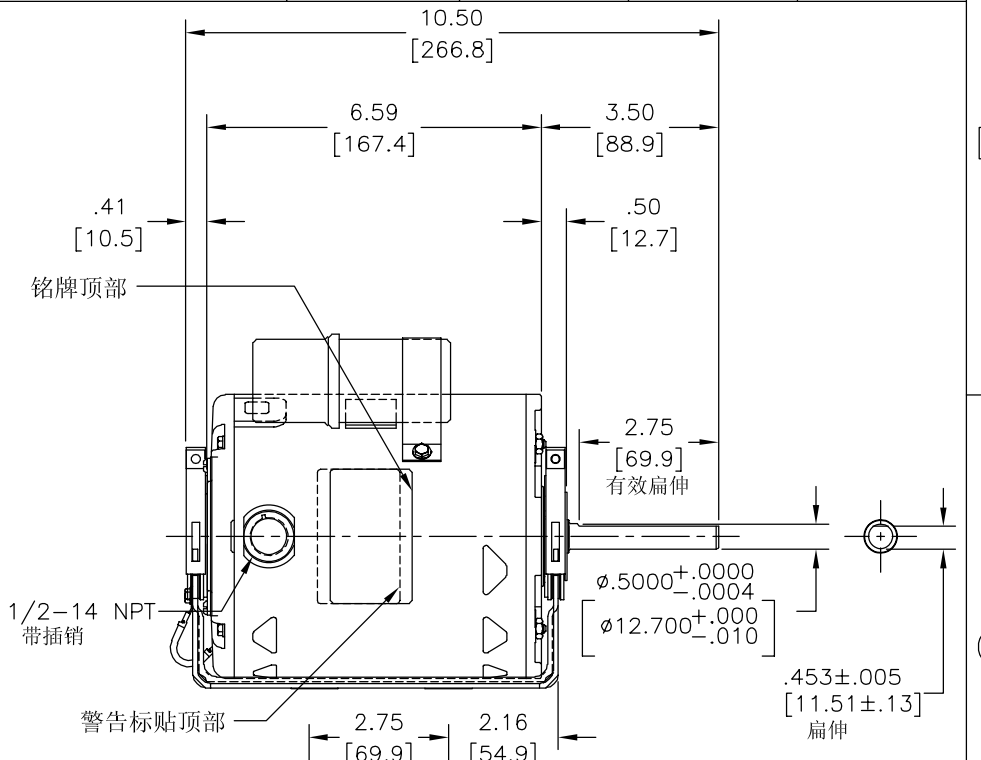
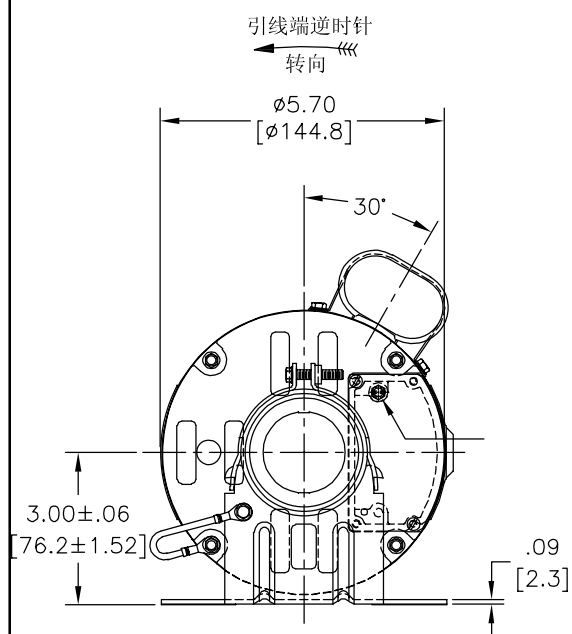
安装位置: 水平

电气数据:

过载保护: 自动复位 (T.I. 7AM 036)

引线: 18# (美制标准), 厚.03[1.5] PVC 105° C 绝缘

接地线: 18# (美制标准), 厚.03[0.8]绿色绝缘



铭牌数据	外部数据
MODEL NO.: F48Y03A01 CUST. P/N: OKT3035 HP: 1/3 ROT.: CCWLE RPM: 1075/900 TYPE: UF FRAME: 48 VOLTS: 115/208-230 PH: 1 AMPS: 6.3/2.8-3.15 HZ: 60/50 INS.: B AMB.: 40° C DUTY: AIR OVER CAP.: 5 MFD/370 V ENCL: SEMI-ENCL. UL LOGO CSA LOGO THERMALLY PROTECTED	<p>614131-336</p>

绿 (接地线)		#8 带环线
棕		.25 [6.4] 旗形插
棕/白		.25 [6.4] 旗形插
紫	3.5/5.5 [89/140]	.25 [6.4] 旗形插
蓝	5.5/7.5 [140/191]	.25 [6.4] 旗形插
棕	5.5/7.5 [140/191]	.25 [6.4] 旗形插
白	3.5/5.5 [89/140]	.25 [6.4] 旗形插
黑	5.5/7.5 [140/191]	.25 [6.4] 旗形插
颜色	长度	端子或剥线长度

无引线端机壳	
无引线端端盖	开放
有引线端机壳	
有引线端端盖	密封

性能曲线编号	转矩在 @ 1075 RPM (25° C)	批准样品	UL部件		CSA	
C32593	41.4 OZ. FT.	0501471A	文件号	指南	文件号	指南
			E46412	PRGY2	LR43341	4211-01

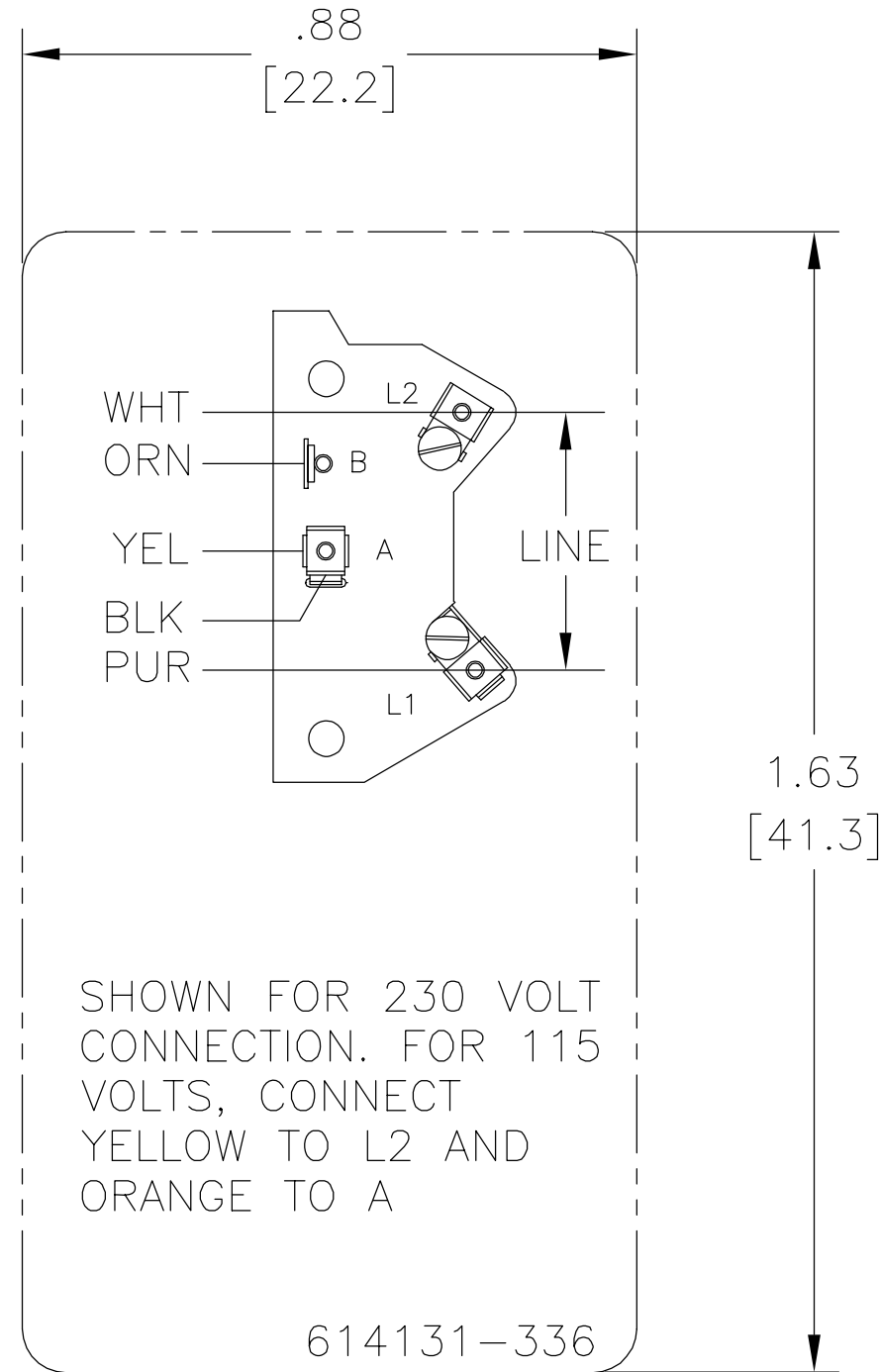
形位公差 □ 平面度 — 直线度 < 倾斜度 ⊥ 垂直度 // 平行度 ○ 圆度 ⊙ 圆柱度 △ 面轮廓度 ⊖ 线轮廓度 ↗ 圆跳动 ⊕ 位置度 ⊙ 同轴度 ≡ 对称度	REGAL-BELOIT CORPORATION (RBC) 在个别领域为客户提供技术支持。鉴于RBC未收到任何涉及电机使用和应用环境的数据, 电机的适用性由客户自己决定。 未注公差尺寸仅供参考。
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名称	MODEL-RFHP-48FR OUTLINE
图幅	C
图号	OKT3035
比例	NONE
页号	1

4 3 2 1

REV	ECO	REV BY	DATE	APPD	DATE
B	ECO-0022186	jrupert	08-17-2011	jrupert	08-17-2011



SHOWN FOR 230 VOLT CONNECTION. FOR 115 VOLTS, CONNECT YELLOW TO L2 AND ORANGE TO A

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	±.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

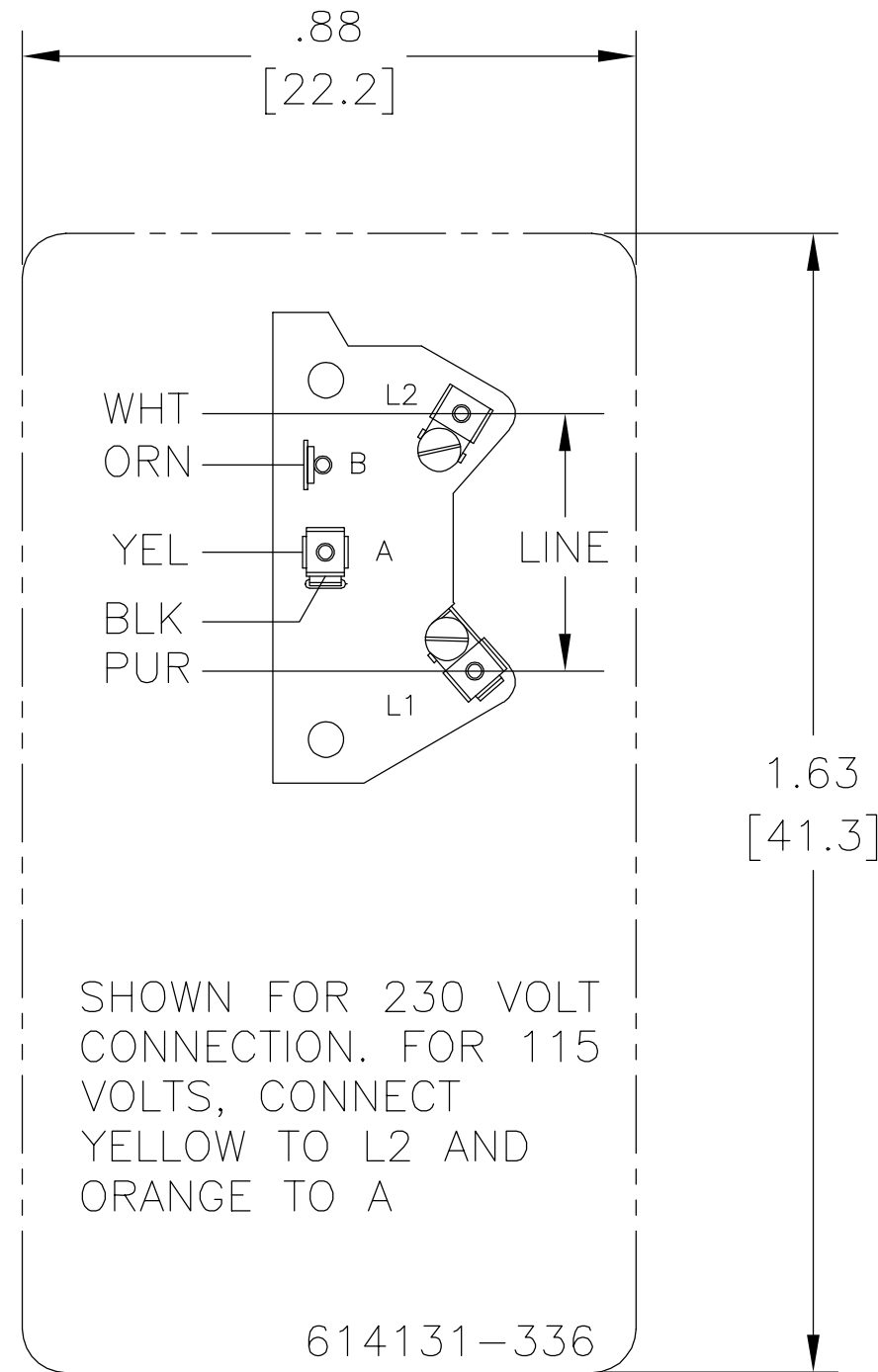
MACHINE SURFACES:
INCH 125 mm 3.2

METRIC DIMS. SHOWN IN [BRACKETS]

DR BY:	jrupert	08-17-2011
APPD:	jrupert	08-17-2011
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 614131-336		
SCALE NONE			SHEET 1

REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
B	ECO-0022186	jrupert	08-17-2011	jrupert	08-17-2011



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.

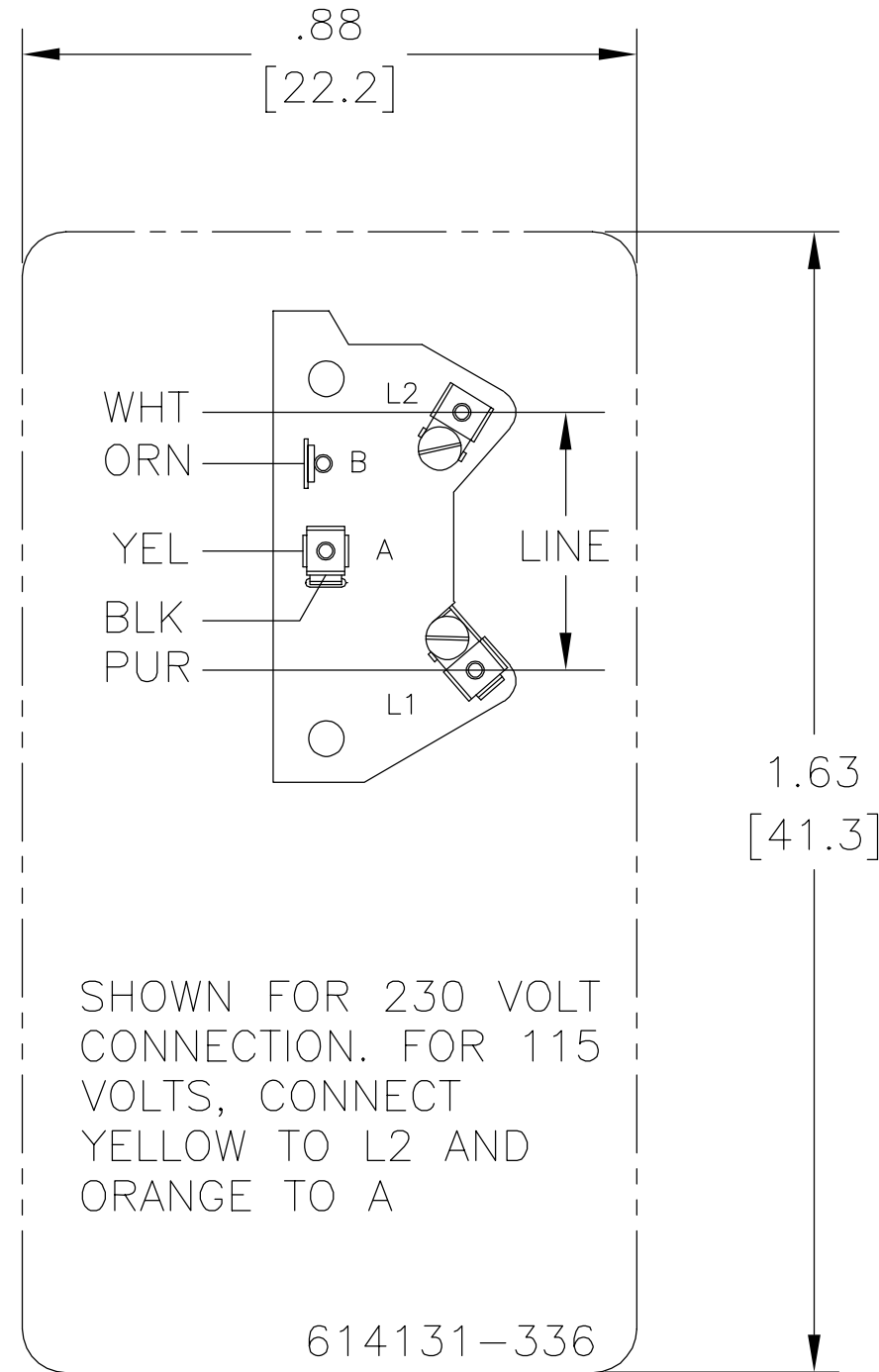
CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS ▽ PLANICIDAD — RECTITUD < ANGULARIDAD ⊥ PERPENDICULARIDAD (A ESCUADRA) // PARALELISMO ○ REDONDEZ (CIRCULARIDAD) ∅ CILINDRICIDAD △ PERFIL DE CUALQUIER SUPERFICIE ∩ PERFIL DE CUALQUIER LINEA ↑ VARIACION ⊕ POSICION REAL ⊙ CONCENTRICIDAD = SIMETRIA

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:	jrupert	08-17-2011
APROBADO POR:	jrupert	08-17-2011
TERCER ANGULO DE PROYECCION	⊕	FECHA EDS: 02-22-2008 REV. FORMATO: F
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		ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION	
DESCRIPCION:			
CONN DIAGRAM NAMEPLATE			
TAMAÑO:	A	NUMERO DE DIBUJO:	614131-336
ESCALA:	NONE	HOJA:	1

??	ECO	??	??	??
B	ECO-0022186	jrupert	08-17-2011	08-17-2011



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.

<p>□ ???</p> <p>— ???</p> <p>∠ ???</p> <p>⊥ ???</p> <p>// ???</p> <p>○ ???</p> <p>⊗ ???</p> <p>△ ???</p> <p>∩ ???</p> <p>↑ ???</p> <p>⊕ ???</p> <p>⊙ ???</p> <p>≡ ???</p>	<p>?????</p> <p>???????</p> <p>?? X XX XXX XXXX</p> <p>?? ±.1 ±.02 ±.005 ±.0005</p> <p>?? ±0.5 ±0.13 ±0.013</p> <p>?? ±.50 ?</p> <p>???????</p> <p>?? .003-.015 ?? 0.1-0.4</p> <p>???</p> <p>?? .020 ?? 0.5</p> <p>?????</p> <p>?? 125 ?? 3.2</p> <p>???????</p>	<p>??:</p> <p>jrupert 08-17-2011</p> <p>??:</p> <p>jrupert 08-17-2011</p> <p>?????</p> <p>⊕</p> <p>02-22-2008</p> <p>?????</p> <p>F</p> <p>??: ?????????????A.O.SMITH?????</p> <p>??A.O.SMITH????????????????????</p> <p>?????—?????</p> <p>ASME Y14.5M 1994</p>
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		<p>ELECTRICAL PRODUCTS COMPANY</p> <p>A DIVISION OF A. O. SMITH CORPORATION</p>	
<p>CONN DIAGRAM NAMEPLATE</p>			
??	A	??	614131-336
??	NONE	??	1