

PRODUCT INFORMATION PACKET



Model No: D0004

Catalog No: D0004

Fan and Blower Motor, 1/3 HP, 1 Ph, 60 Hz, 208-230 V, 1075 RPM, 2 Speed, 48 Frame, OPEN



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Nameplate Specifications

Phase	1	Output HP	1/3 Hp
Output KW	0.25 kW	Voltage	208-230 V
Speed	1075 rpm	Service Factor	1.0
Frame	48Y	Enclosure	Open Enclosed
Thermal Protection	Automatic	Ambient Temperature	40 °C
Frequency	60 Hz	Current	2.6 A
Duty	Air Over	Insulation Class	B
UL	Recognized	CSA	Y
CE	N	Number of Speeds	2

Technical Specifications

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	6	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	9.36 in	Frame Length	3.75 in
Shaft Diameter	0.500 in	Shaft Extension	4.5 in
Outline Drawing	11760-085-S01	Connection Drawing	614131-171

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GENERAL INFORMATION:

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

END PLAY: .010 TO .063 [.25 TO 1.60]

BEARINGS: SLEEVE

MOUNTING POSITION: HORIZONTAL

ELECTRICAL DATA:

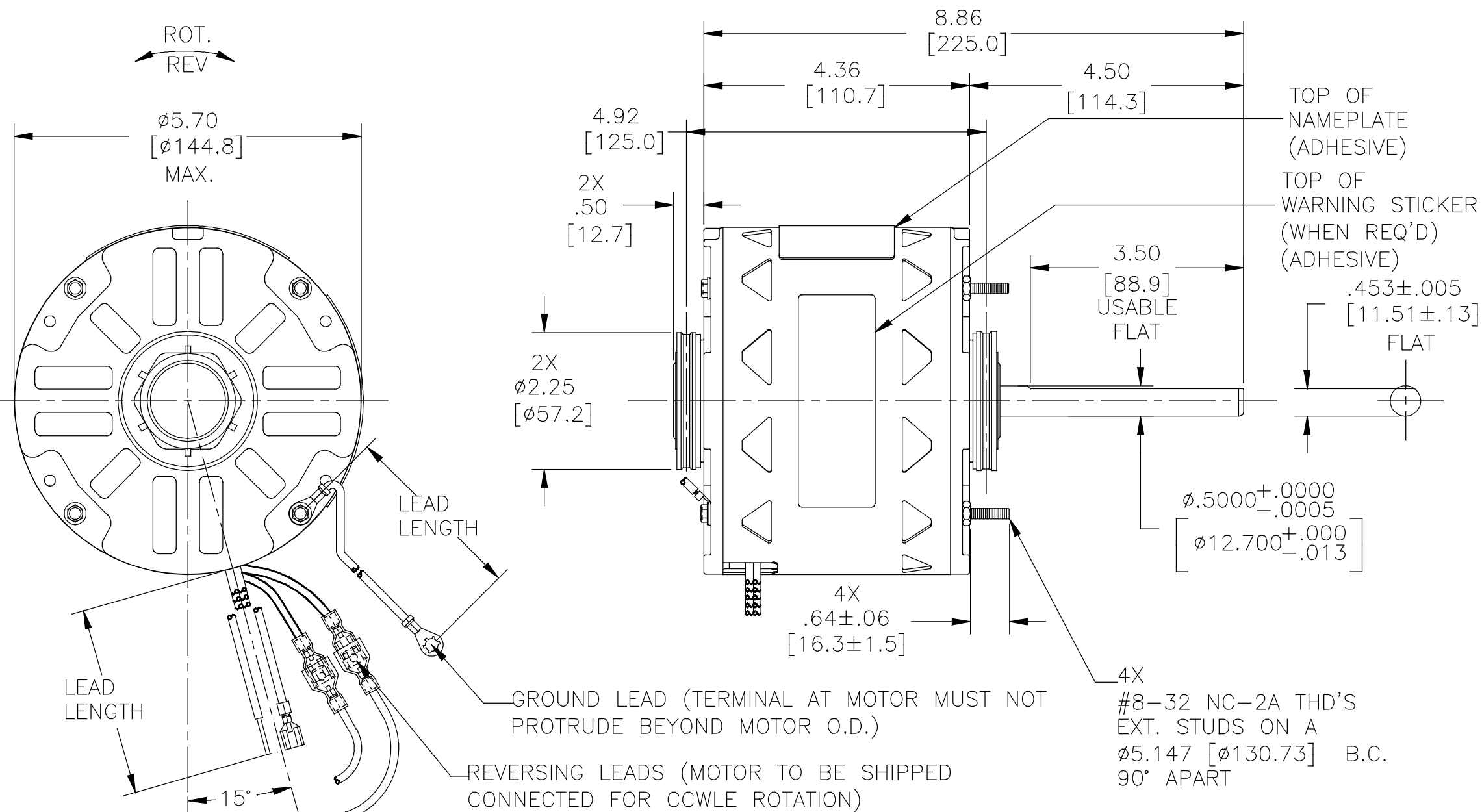
OVERLOAD PROTECTOR: AUTOMATIC RESET (T.I. 7AM 036)

LINE LEADS: NO. 18 GA., .06 [1.5] THK., PVC 125°C INSUL.

REVERSING LEADS: NO. 18 GA., .03 [.8] THK., 125°C INSUL.

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

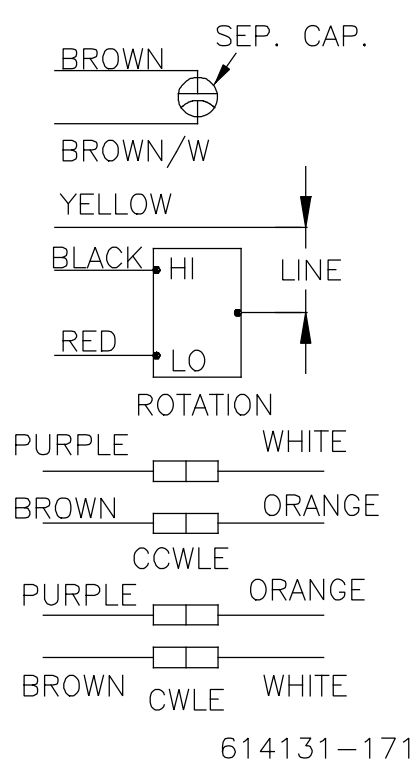
SEE NOTE 1



NAMEPLATE DATA:

MODEL: F48M98A01
 CUST. P/N: []
 HP: 1/3
 ROT: REVERSIBLE
 RPM: 1075/2 SPD
 TYPE: UF
 FRAME: 48Y
 VOLTS: 208-230
 PH: 1
 AMPS: 2.6 (3.1 MAX.)
 HZ: 60
 INS: B
 AMB: 40 °C
 DUTY: AIR OVER
 CAP.: 5 MFD/370V
 ENCL: OPEN
 UL LOGO
 CSA LOGO
 THERMALLY PROTECTED

EXTERNAL CONNECTION DIAGRAM



GREEN (GRD)	9.0/11.0 [229/279]	10# EYELET
WHITE (REV)	4.0/6.0 [102/152]	.25[6.4] PER-INSUL. FEMALE SPADE
PURPLE(REV)	4.0/6.0 [102/152]	.25[6.4] PER-INSUL. FEMALE SPADE
ORANGE(REV)	4.0/6.0 [102/152]	.25[6.4] PER-INSUL. FEMALE SPADE
BROWN (REV)	4.0/6.0 [102/152]	.25[6.4] PER-INSUL. FEMALE SPADE
BROWN	25.0/27.0 [635/686]	.25[6.4] FEMALE SPADE
BROWN/WHITE	25.0/27.0 [635/686]	.25[6.4] FEMALE SPADE
YELLOW	25.0/27.0 [635/686]	.60[15.2] SKIN
BLACK	25.0/27.0 [635/686]	.60[15.2] SKIN
RED	25.0/27.0 [635/686]	.60[15.2] SKIN
COLOR	LENGTH	TERMINAL OR STRIP LENGTH

NOTE:
 1. DISTRIBUTION PART NUMBER: D0004
 GRAINGER PART NUMBER: 4KA27
 2. SPLIT RING ADAPTOR 615035 (4 REQ'D) TO BE PACKED WITH EACH MOTOR.

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.

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

CUSTOMER DISTRIBUTION SERVICES

PERFORMANCE CURVE NO.	TORQUE @ 1075 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT		CSA	
			FILE #	CCN #	FILE #	CLASS #
C31358	39.5 OZ.FT.	96AC230A	E46412	PRGY2	LR43341	4211-01

DRAWING REVISION F	REVISION BY JERRY CHAI	DATE 12-04-2018
ECO-0157133	APPROVED BY SARA HELTON	DATE 12-04-2018
ECO DESCRIPTION SEE ECO		

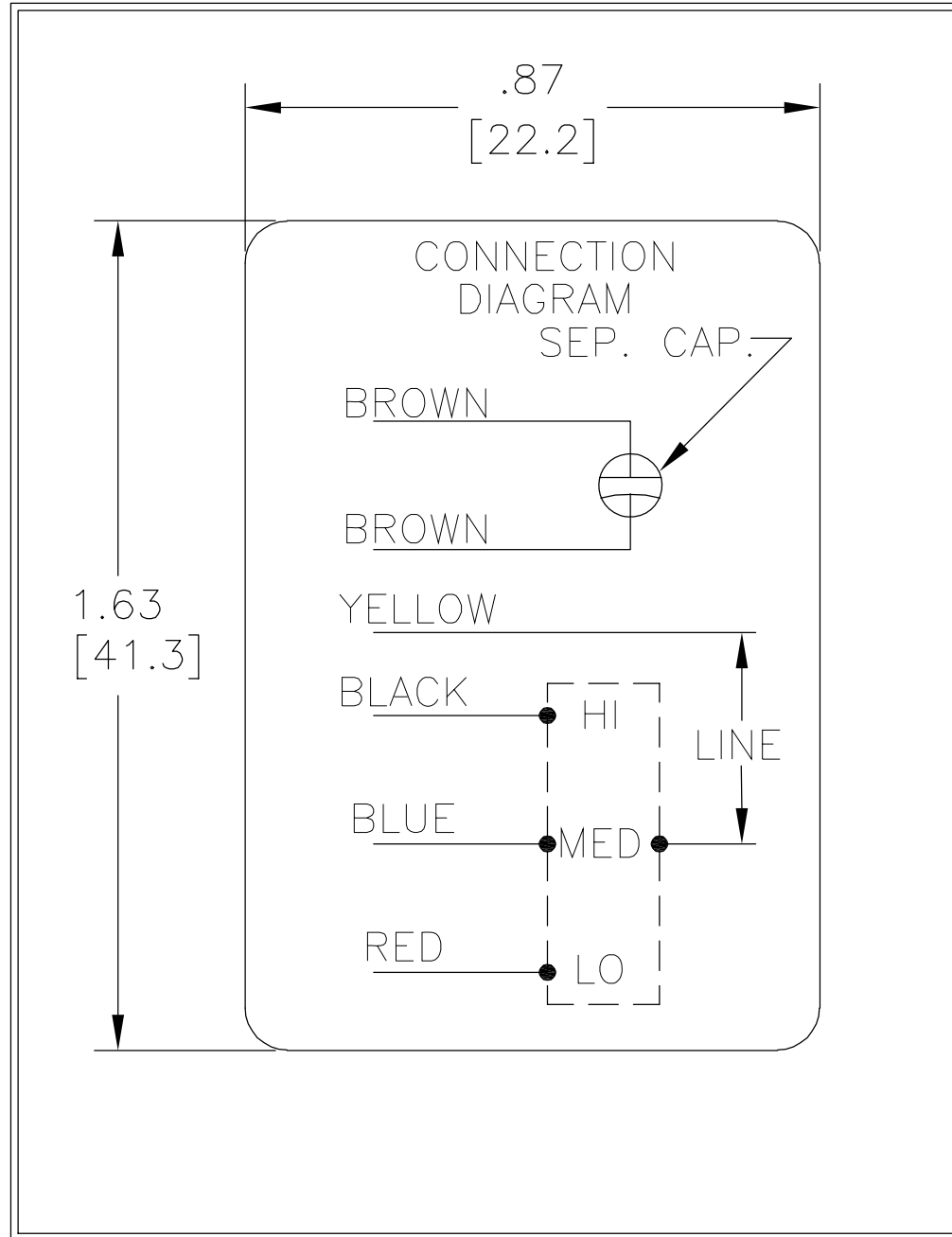
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ENCLOSURE

DRAWN BY: CADDIE.ZHOU
DATE: 06-07-2018
APPROVED BY: SARA HELTON
DATE: 06-07-2018
PROCESS/FINISH: -
THIRD ANGLE PROJECTION

REGAL ™ Regal Beloit America, Inc.
DESCRIPTION: MODEL-RFHP-48FR OUTLINE
MATERIAL: -
SIZE DWG NO: 11760-085
SHEET: 1

REV	ECO	REV BY	DATE	APPD	DATE
A	0017050	VICTOR MIJARES	03-01-2011	CCONTRERAS	03-01-2011



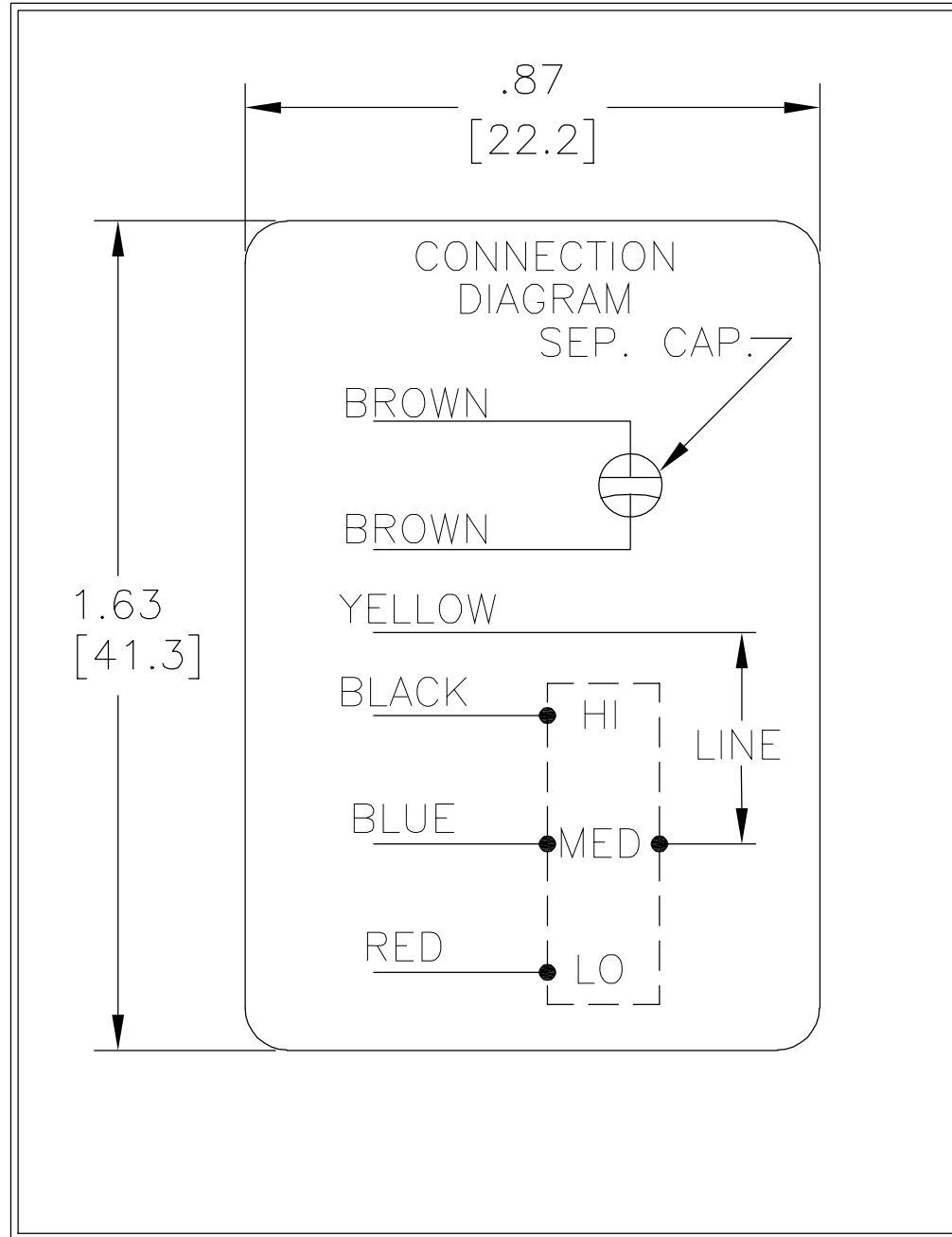
GEOMETRIC CHARACTERISTICS & SYMBOLS
 ▭ FLATNESS
 — STRAIGHTNESS
 ∠ ANGULARITY
 ⊥ PERPENDICULARITY (SQUARENESS)
 // PARALLELISM
 ○ ROUNDNESS (CIRCULARITY)
 ∅ CYLINDRICITY
 △ PROFILE OF ANY SURFACE
 ∩ PROFILE OF ANY LINE
 ↑ RUNOUT
 ⊕ TRUE POSITION
 ⊙ CONCENTRICITY
 ≡ SYMMETRY

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: 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 614131-001		
SCALE NONE			SHEET 1

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

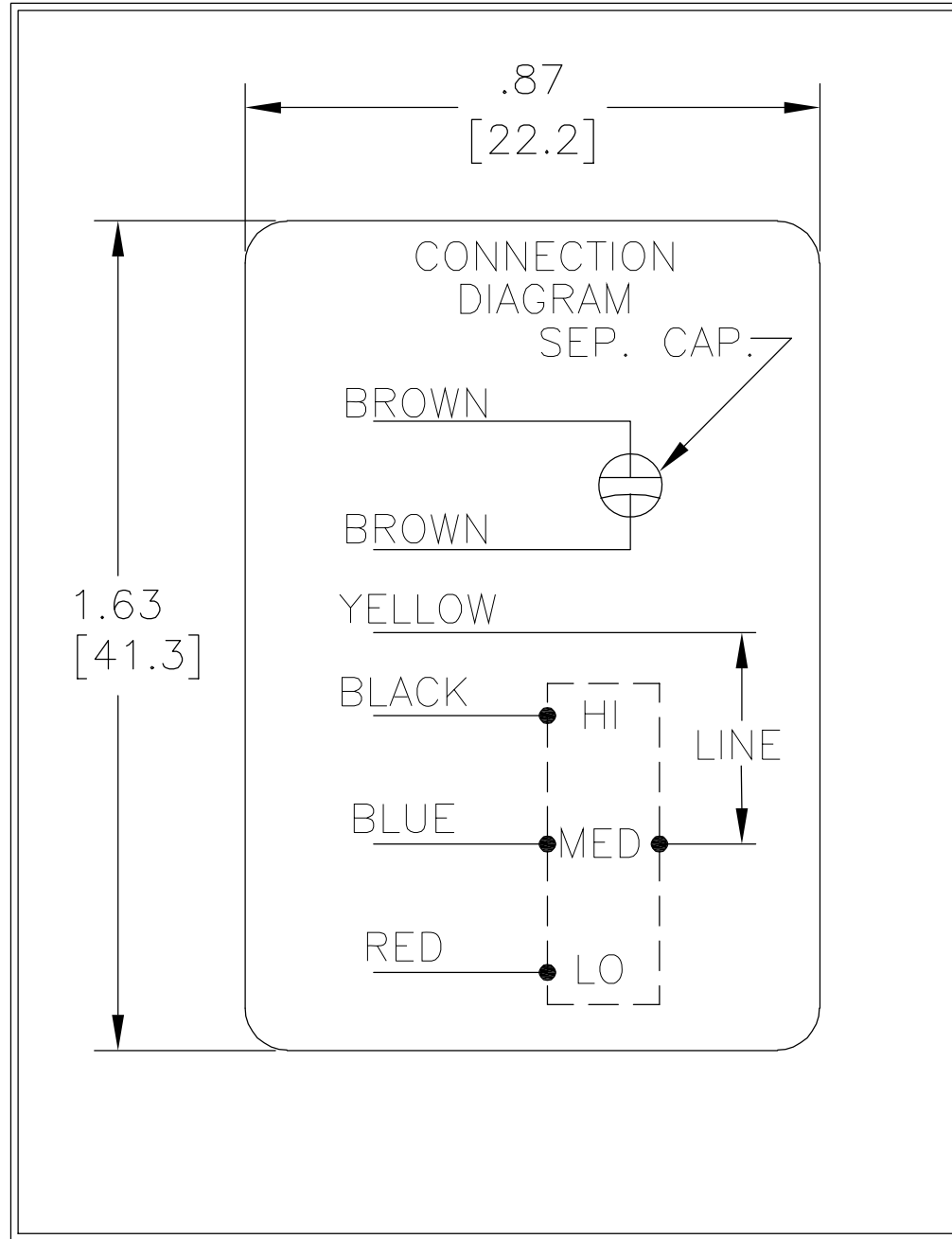
	X	XX	XXX	XXXX
PULG	±.1	±.02	±.005	±.0005
mm	±0.5	±0.13	±0.013	

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:	
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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:		
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图幅	A	图号	614131-001
比例	NONE	页号	1