

PRODUCT INFORMATION PACKET



Model No: OKT1026

Catalog No: OKT1026

OEM Replacement Motor, 1/4 HP, 1 Ph, 60/50 Hz, 115/208-230 V, 1075/900 RPM, 1 Speed, 48 Frame,
SEMI ENCL



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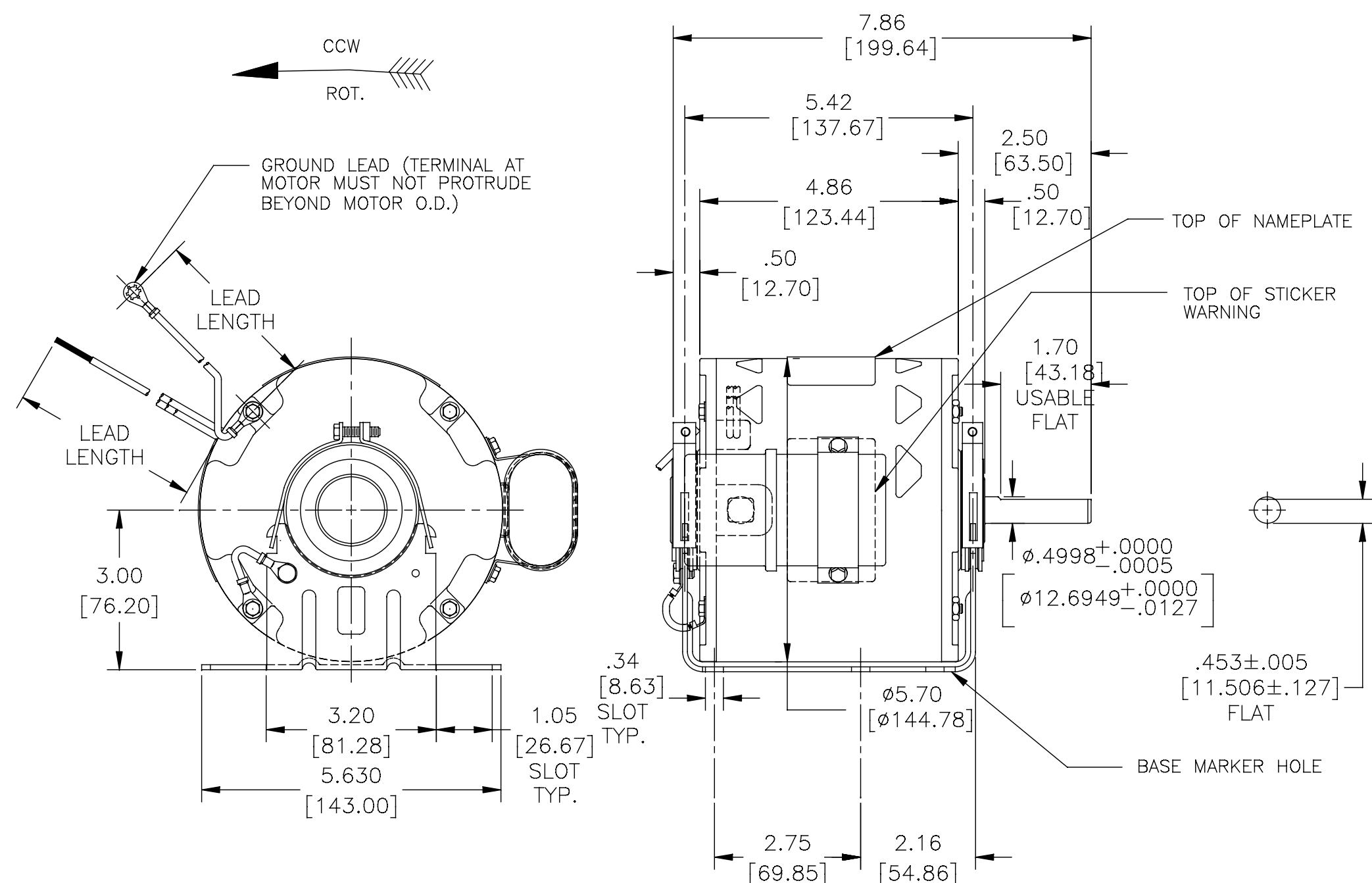
Nameplate Specifications

Phase	1	Output HP	1/4 Hp
Output KW	0.19 kW	Voltage	115/208-230 V
Speed	1075/900 rpm	Service Factor	1.0
Frame	48Y	Enclosure	Semi Enclosed
Thermal Protection	Automatic	Ambient Temperature	40 °C
Frequency	60/50 Hz	Current	3.0/1.5 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 Lead 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	7.66 in	Frame Length	4.38 in
Shaft Diameter	0.500 in	Shaft Extension	2.5 in
Connection Drawing	614131-319	Outline Drawing	OKT1026-S01

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GENERAL INFORMATION:

SHAFT RUNOUT: .001[.025] T.I.R. PER INCH[25.4mm]
LENGTH OF EXTENSION.

BEARINGS: BALL

MOUNTING POSITION: ☒ HORIZONTAL

ELECTRICAL DATA:

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

LEADS: NO. 18 GA., .06[1.52] THK. PVC 105°C INSUL.

GROUND LEAD: NO. 18 GA., .03[.76] THK. GREEN/YELLOW INSUL.

NAMEPLATE DATA:

EXTERNAL CONNECTION DIAGRAM

MODEL NO.: F48V45
CUST. P/N: [-----]
HP: 1/4
ROT: CCWLE
RPM: 1075/900
TYPE: UF
FRAME: 48Y
VOLTS: 115/208-230
PH: 1
AMPS: 3.0/1.5
HZ: 60/50
INS: B
AMB: 40°C
DUTY: AIR OVER
CAP.: 5 MFD/370 V
ENCL: SEMI-ENCL.
CSA LOGO
UL LOGO
THERMALLY PROTECTED

BROWN

BRN/WHT

BLACK

WHITE

YELLOW

PURPLE

RED

LINE

HIGH VOLTAGE

BROWN ————— ⊕

BRN/WHT —————

BLACK ————— ●

YELLOW ————— ●

PURPLE —————

RED —————

WHITE —————

LOW VOLTAGE

614131-319

GREEN/YELLOW (GRD)	12.0/13.0 [304.8/330.2]	#10 EYELET
GREEN/YELLOW (GRD)	CONNECTED TO BASE	#8 EYELET
BROWN/WHITE	CONNECTED TO CAPACITOR	.25[6.35] FLAG
BROWN	CONNECTED TO CAPACITOR	.25[6.35] FLAG
RED	14.0/16.0 [355.6/406.4]	.50[12.70] SKIN
YELLOW	14.0/16.0 [355.5/406.4]	.50[12.70] SKIN
PURPLE	14.0/16.0 [355.6/406.4]	.50[12.70] SKIN
BLACK	14.0/16.0 [355.6/406.4]	.50[12.70] SKIN
WHITE	14.0/16.0 [355.6/406.4]	.50[12.70] SKIN
COLOR	LENGTH	TERMINAL OR STRIP LENGTH

NOTE:

1. DISTRIBUTION PART NUMBER: OKT1026
GRAINGER PART NUMBER: 4UY81

MAIN FRAME — OLE	ENCLOSURE.
END FRAME — OLE	ENCLOSURE.
MAIN FRAME — LE	ENCLOSURE.
END FRAME — LE	ENCLOSURE.
ENCLOSURE	

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.

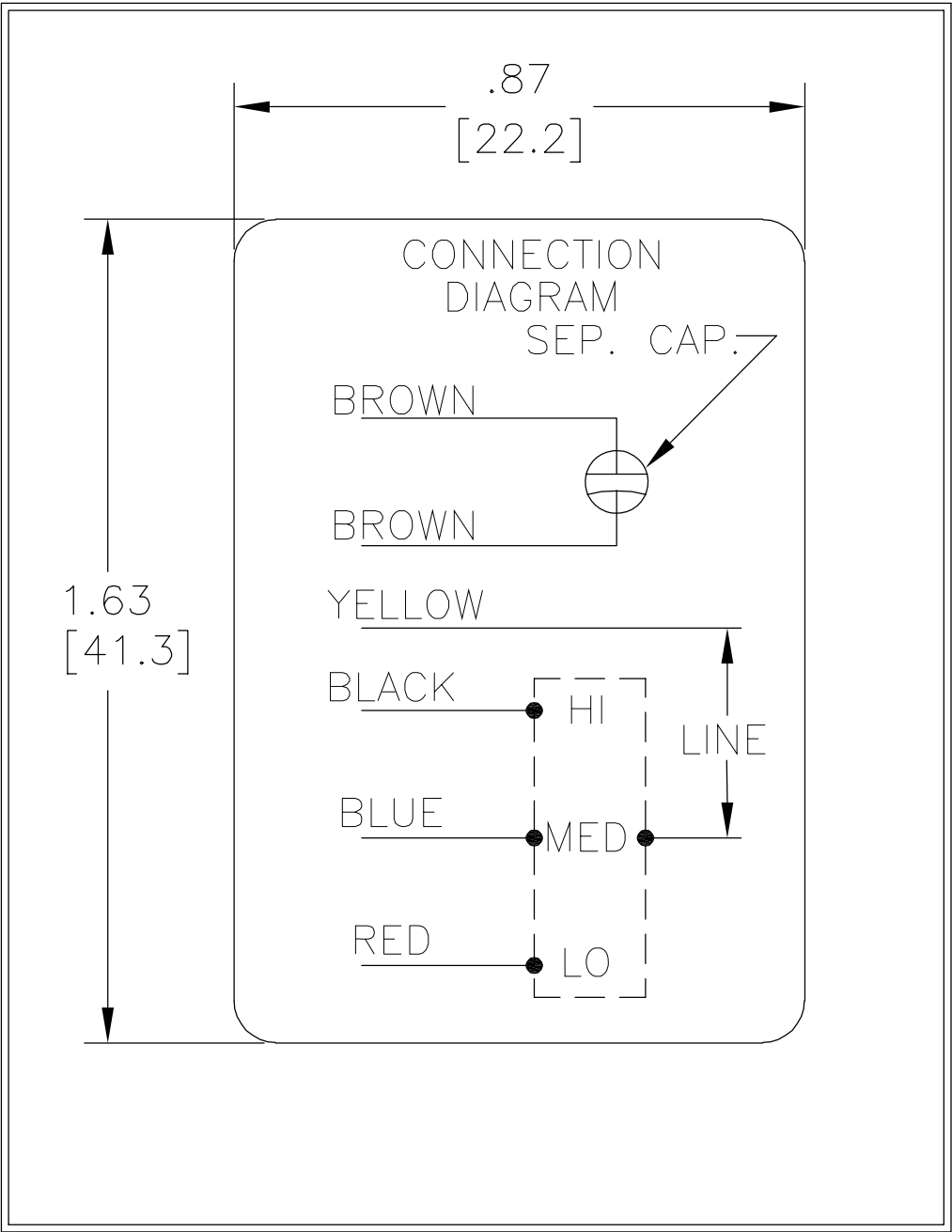
CUSTOMER	DISTRIBUTION SERVICES
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DRAWING REVISION A		REVISION BY J.CHAI	DATE 11-06-2015
ECO		APPROVED BY	DATE 11-06-2015
ECO-0088415			
ECO DESCRIPTION SEE ECO			

DRAWN BY: J.RUPERT DATE: 10-01-2004 APPROVED BY: T.RILEY DATE: 10-05-2004 PROCESS/FINISH .	
	THIRD ANGLE PROJECTION 

 Regal Beloit America, Inc.		SHEET	
DESCRIPTION		MODEL-RFHP-48FR OUTLINE	
MATERIAL		.	
SIZE	DWG NO	SHEET	
C	OKT1026	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
mm ±.1 ±.02 ±.005 ±.0005
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]

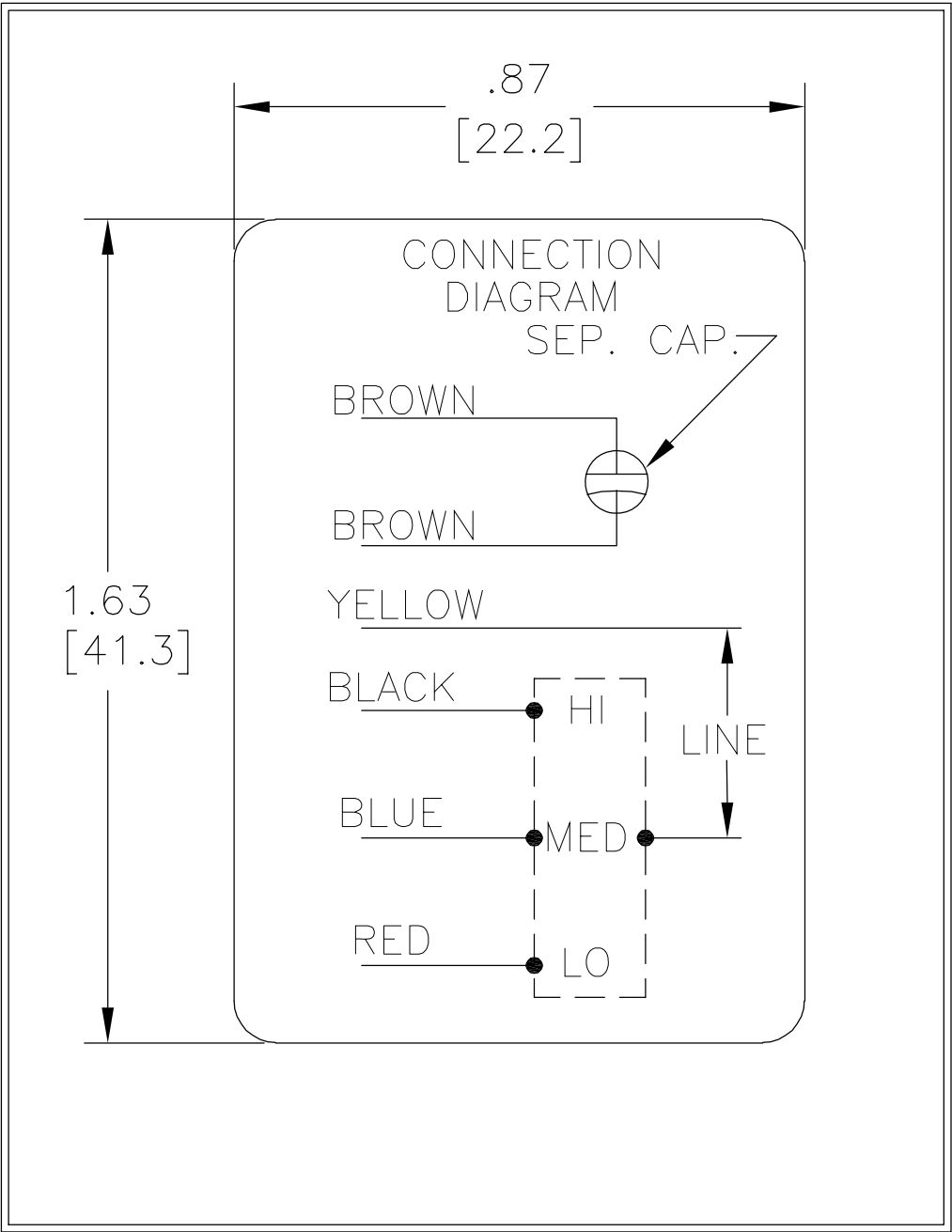
DR BY:	N.LONG	07/14/1986
APPD:		
THIRD ANGLE PROJECTION		EDS DATE 02-22-2008 FORMAT REV F
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ELECTRICAL PRODUCTS COMPANY
A DIVISION OF A. O. SMITH CORPORATION

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	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

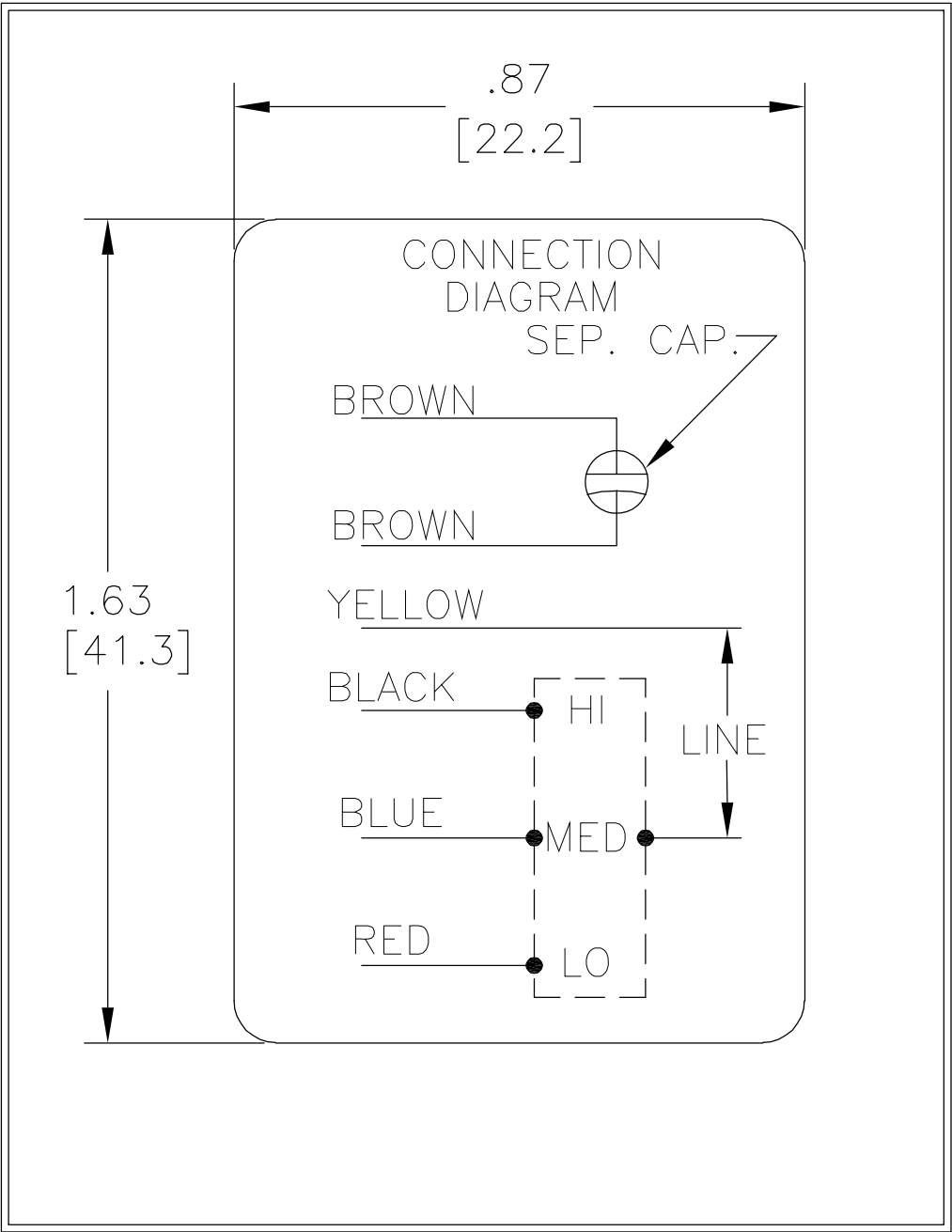
MAQUINAR SUPERFICIES
PULG 125 mm 3.2

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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TAMAÑO: A	NUMERO DE DIBUJO: 614131-001
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:
英寸 X XX XXX XXXX
毫米 ±.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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比例 NONE			页号 1