

PRODUCT INFORMATION PACKET



Model No: ORM1058

Catalog No: ORM1058

OEM Replacement Motor, 1/2 HP, 1 Ph, 60 Hz, 208-230 V, 825 RPM, 1 Speed, 48 Frame, SEMI ENCLOSED



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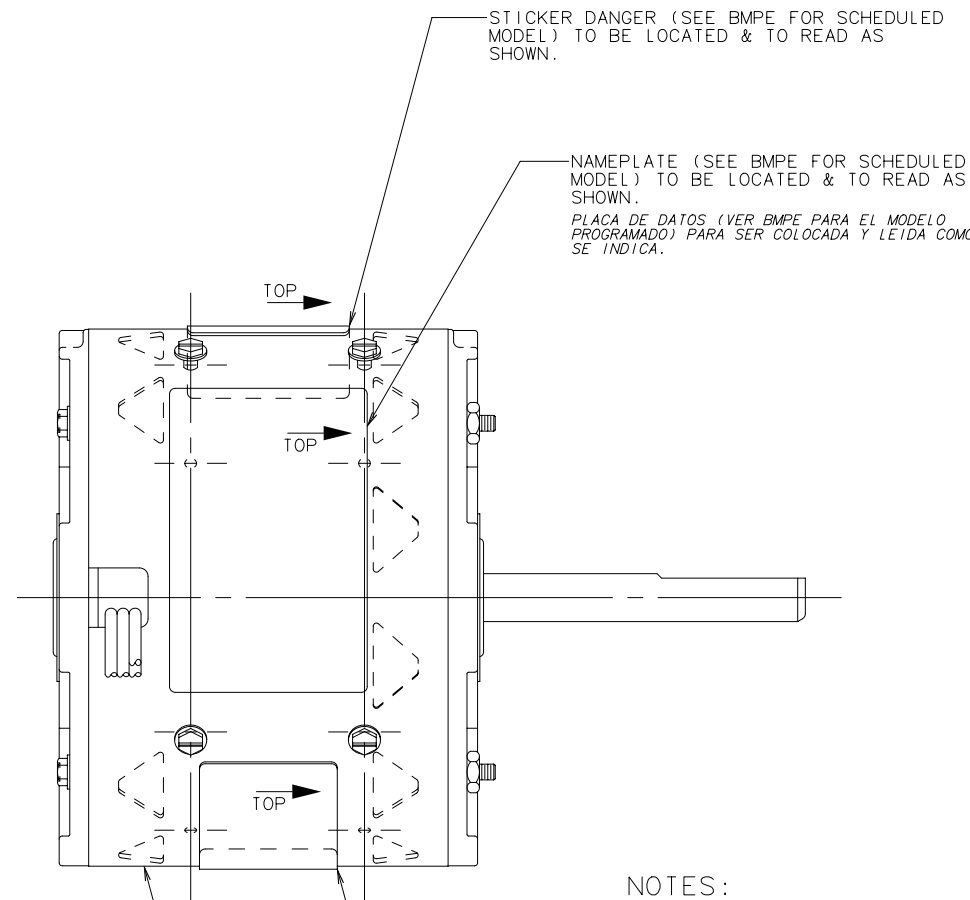
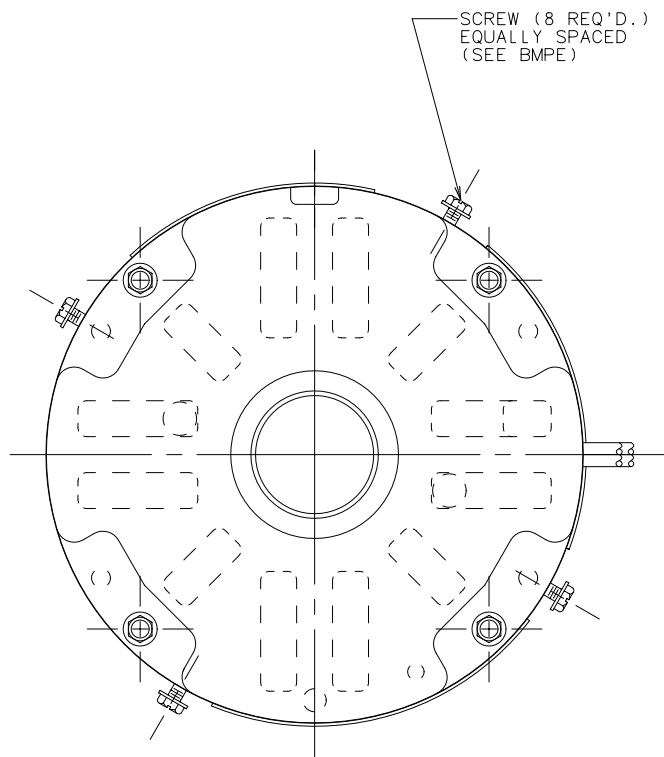
Nameplate Specifications

Output HP	1/2 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	208-230 V
Current	3.4 A	Speed	825 rpm
Service Factor	1	Phase	1
Duty	Air Over	Insulation Class	B
Frame	48Y	Enclosure	Semi Enclosed
Thermal Protection	Automatic	Ambient Temperature	40 °C
UL	Recognized	CSA	Y
CE	N	Number of Speeds	1

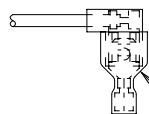
Technical Specifications

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	8	Rotation	Counterclockwise Lead End
Mounting	Round Belly Band	Motor Orientation	Any
Drive End Bearing	Sleeve	Opp Drive End Bearing	Sleeve
Frame Material	Rolled Steel	Shaft Type	Flat
Overall Length	8.15 in	Frame Length	4.25 in
Shaft Diameter	0.500 in	Shaft Extension	3.3 in
Connection Drawing	614131-205	Outline Drawing	622585-S01

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RED LEAD ONLY



DUMMY PREINSULATED MALE TERMINAL (WHEN REQ'D.) (SEE BMPE)

SUB-ASSEMBLY MOTOR (SEE BMPE)
SUB-ENSAMBLE DE MOTOR (VER BMPE)

STICKER WARNING (WHEN REQ'D.) (SEE BMPE FOR SCHEDULED MODEL) TO BE LOCATED & TO READ AS SHOWN.

ETIQUETA WARNING (CUANDO SE REQUIERA) (VER BMPE PARA EL MODELO PROGRAMADO) PARA SER COLOCADA Y LEIDA COMO SE INDICA.

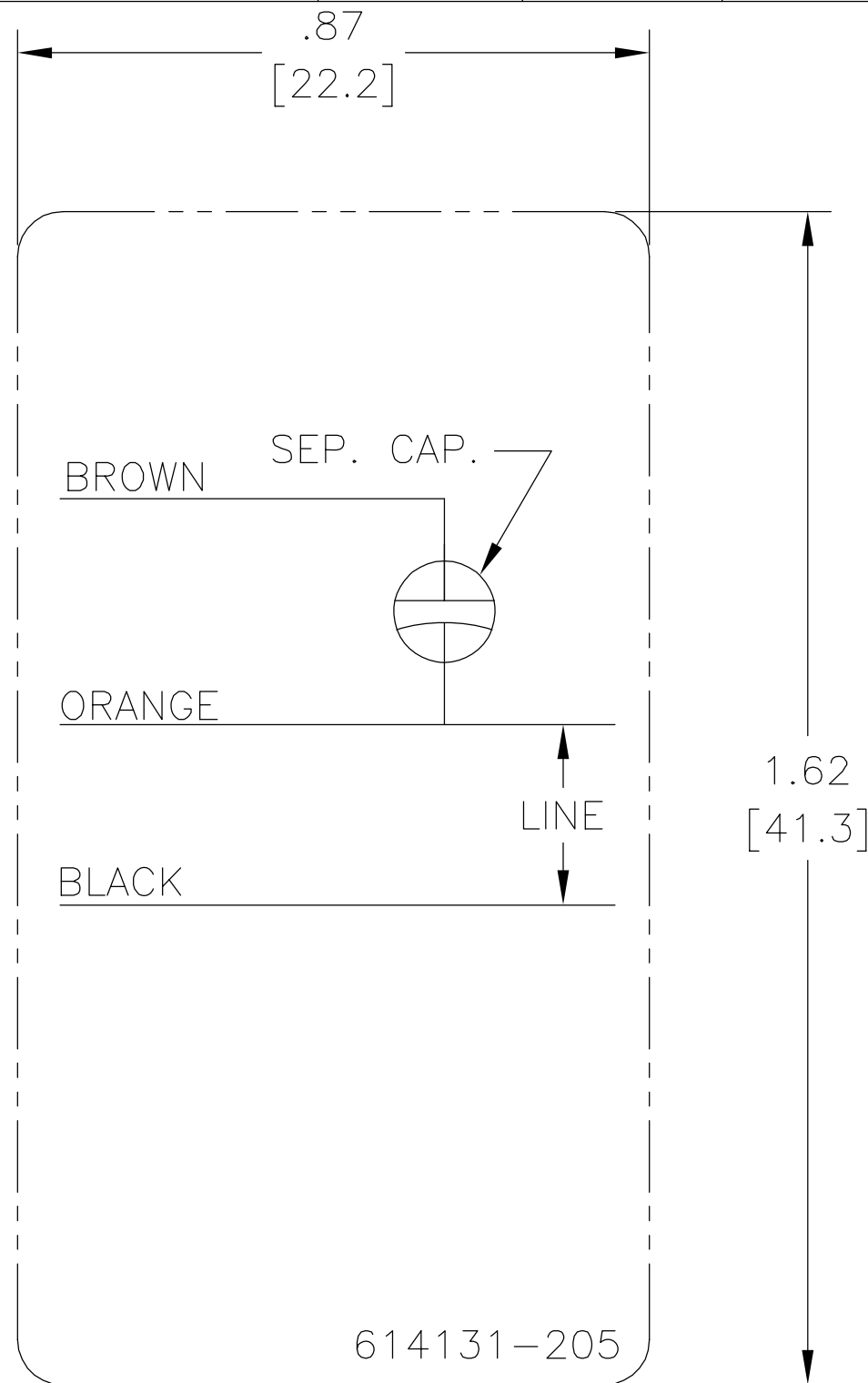
NOTES:

- (1) SHAFT END PLAY .010 TO .063.
JUEGO DE FLECHA .010 TO .063.
- (2) SHAFT RUNOUT .001 T.I.R. PER INCH LENGTH OF EXTENSION.
EXCENTRICIDAD DE LA FLECHA .001 L.T.E. POR PULG. DE LONG. DE EXTENSION.
- (3) RUST INHIBIT SHAFT EXTENSION (WHEN REQ'D.) PER PS-(SEE BMPE).
EXTENSION ANTICORROSIVA DE FLECHA (CUANDO SE REQUIERE) POR PS-(VER BMPE).
- (4) FOR FINISHED MOTOR TEST (SEE BME1) UNDER THIS MOTOR ASSEMBLY.
PARA PRUEBAS DE MOTOR TERMINADO (VER BME1) SOBRE ESTE ENSAMBLE.
- (5) FOR PARTS SHIPPED SEPARATELY (WHEN REQ'D.)-(SEE BMPE FOR SCHEDULED MODEL.)
PARA PARTES ENCHIADAS POR SEPARADO (CUANDO SE REQUIERE)-(VER BMPE PARA EL MODELO PROGRAMADO.)

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DATE	CHANGED FROM	NOTICE	DATE	CHANGED FROM	NOTICE	DATE	CHANGED FROM	NOTICE	DATE	CHANGED FROM	NOTICE	MATERIAL	PROCESS	A.O. SMITH ELECTRICAL PRODUCTS CORP. A DIVISION OF A.O. SMITH CORPORATION 1199 CITY, OHIO COPYRIGHT 1992		
Y			R			H			A				SEE NOTES	DRAWN BY	NPN NO.	DESCRIPTION
Z			S			J			B			FIRST MODEL	SHEET	HEATH	93AN0662	MOTOR ASSEMBLY
			T			K			C			F48E22A01	1 OF 1	APPROVED BY	REL. DATE	ENSAMBLE DE MOTOR
			U			L			D			NO. OF MODELS	REFERENCE	SCALE	10/19/93	PART NO.
			V			M			E			621562	NONE	GROUP CODE	FILE CODE	622585
			W			N			F			LIMITS UNLESS OTHERWISE SPECIFIED:		PSCS	MOTASS	
			X			P			G			FRACTIONS±NONE	ANGLES±NONE			
												DECIMALS±NONE				

REV	ECO	REV BY	DATE	APPD	DATE
B	ECO-0021846	jrupert	09-08-2011	jrupert	09-08-2011



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	±.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
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CORNER FILLETS TO:

INCH	.020	mm	0.5
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MACHINE SURFACES:

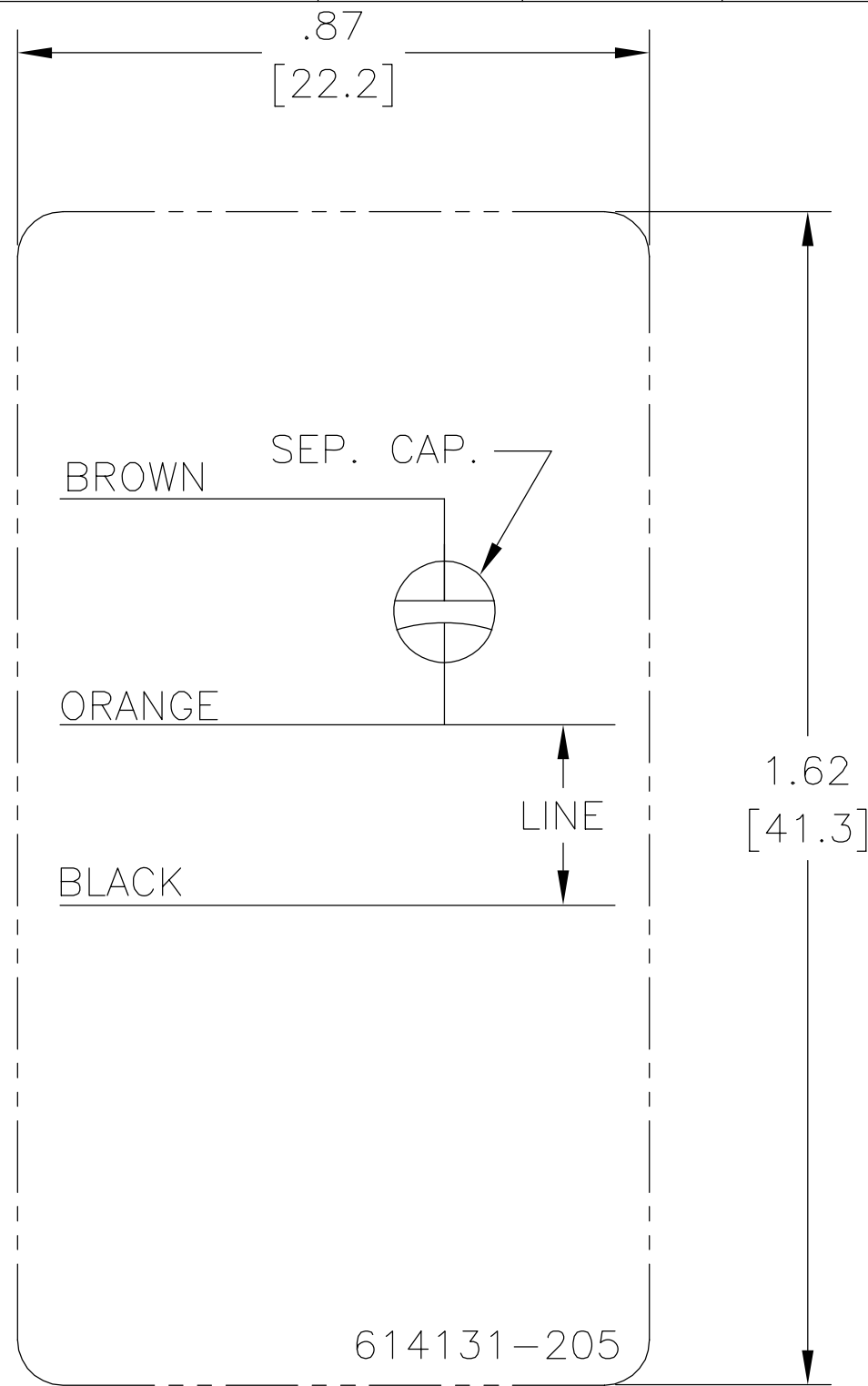
INCH	125	mm	3.2
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METRIC DIMS. SHOWN IN [BRACKETS]

DR BY:	jrupert	09-08-2011
APPD:	jrupert	09-08-2011
THIRD ANGLE PROJECTION		EDS DATE 02-22-2008 FORMAT REV F
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 AC Smith innovation has a name.		ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION	
DESCRIPTION CONN DIAGRAM-NAMEPLATE			
SIZE A	DWG NO 614131-205		
SCALE NONE			SHEET 1

REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
B	ECO-0021846	jrupert	09-08-2011	jrupert	09-08-2011



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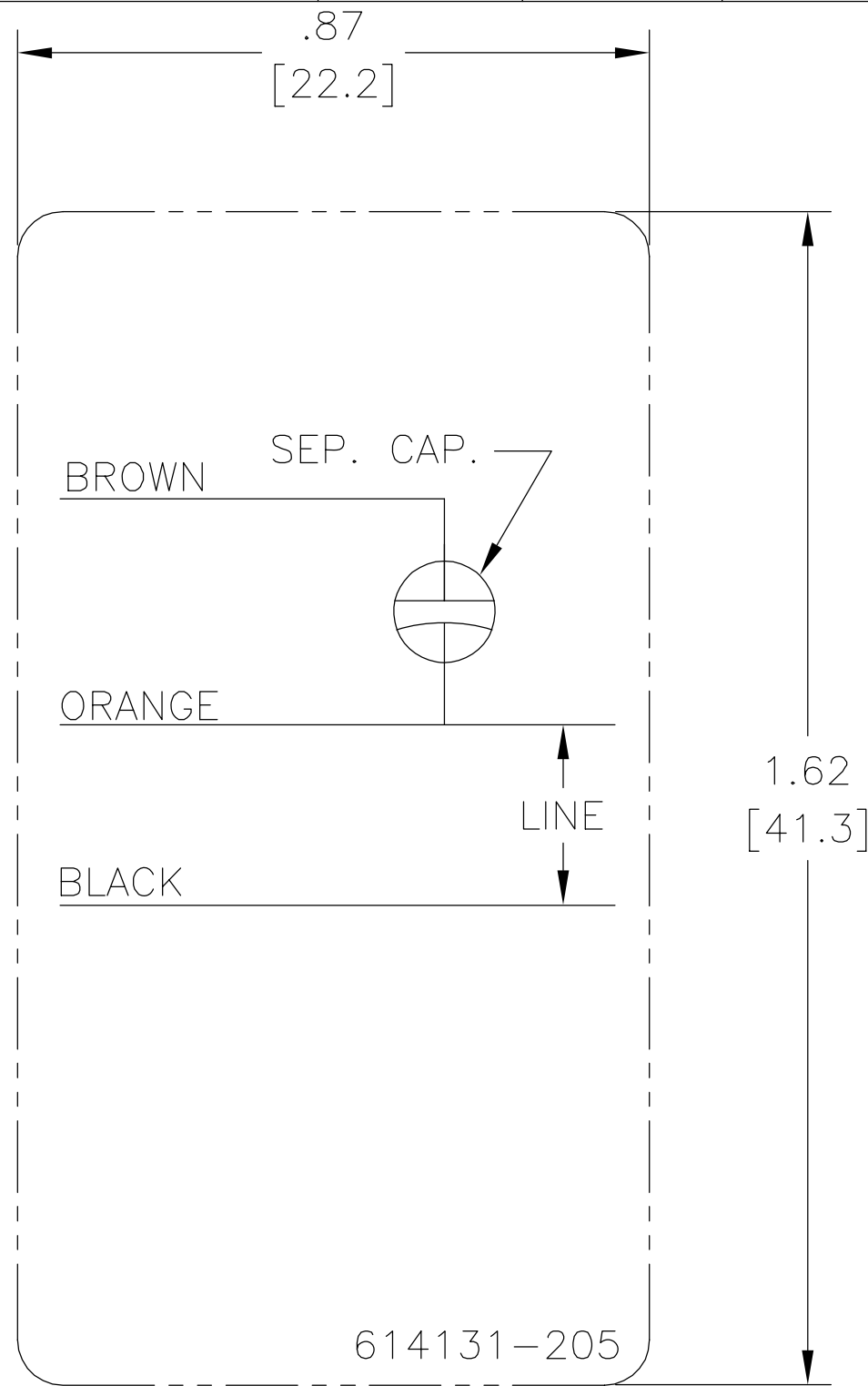
CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS ▽ PLANICIDAD — RECTITUD ∠ ANGULARIDAD ⊥ PERPENDICULARIDAD (A ESCUADRA) // PARALELISMO ○ REDONDEZ (CIRCULARIDAD) ∅ CILINDRICIDAD △ PERFIL DE CUALQUIER SUPERFICIE ∩ PERFIL DE CUALQUIER LINEA ↑ VARIACION ⊕ POSICION REAL ⊙ CONCENTRICIDAD ≡ SIMETRIA

A MENOS QUE SE ESPECIFIQUE DE OTRA MANERA, LAS TOLERANCIAS DE LAS DIMS; SON LAS SIGUIENTES: 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	09-08-2011
APROBADO POR:	jrupert	09-08-2011
TERCER ANGULO DE PROYECCION		FECHA EDS: 02-22-2008 REV. FORMATO: F
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TAMAÑO: A	NUMERO DE DIBUJO: 614131-205
ESCALA:NONE	HOJA: 1

版本	ECO	编制	日期	批准	日期
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形位公差	除另有注明
□ 平面度	尺寸公差如下:
— 直线度	英寸 X XX XXX XXXX
∠ 倾斜度	英寸 ±.1 ±.02 ±.005 ±.0005
⊥ 垂直度	毫米 ±0.5 ±0.13 ±0.013
// 平行度	角度 ±.50 度
○ 圆度	清理毛刺和尖棱
⊘ 圆柱度	英寸 .003-.015 毫米 0.1-0.4
△ 面轮廓度	内圆角
∩ 线轮廓度	英寸 .020 毫米 0.5
↑ 圆跳动	表面粗糙度
⊕ 位置度	英制 125 米制 3.2
◎ 同轴度	米制尺寸显示在 []
≡ 对称度	

绘图:	jrupert	09-08-2011
批准:	jrupert	09-08-2011
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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比例	NONE	页号	1

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