

PRODUCT INFORMATION PACKET



Model No: BDH1054

Catalog No: BDH1054

Fan and Blower Motor, 1/2 HP, 1 Ph, 60/50 Hz, 460 V, 1625 RPM, 2 Speed, 48 Frame, SEMI ENCL



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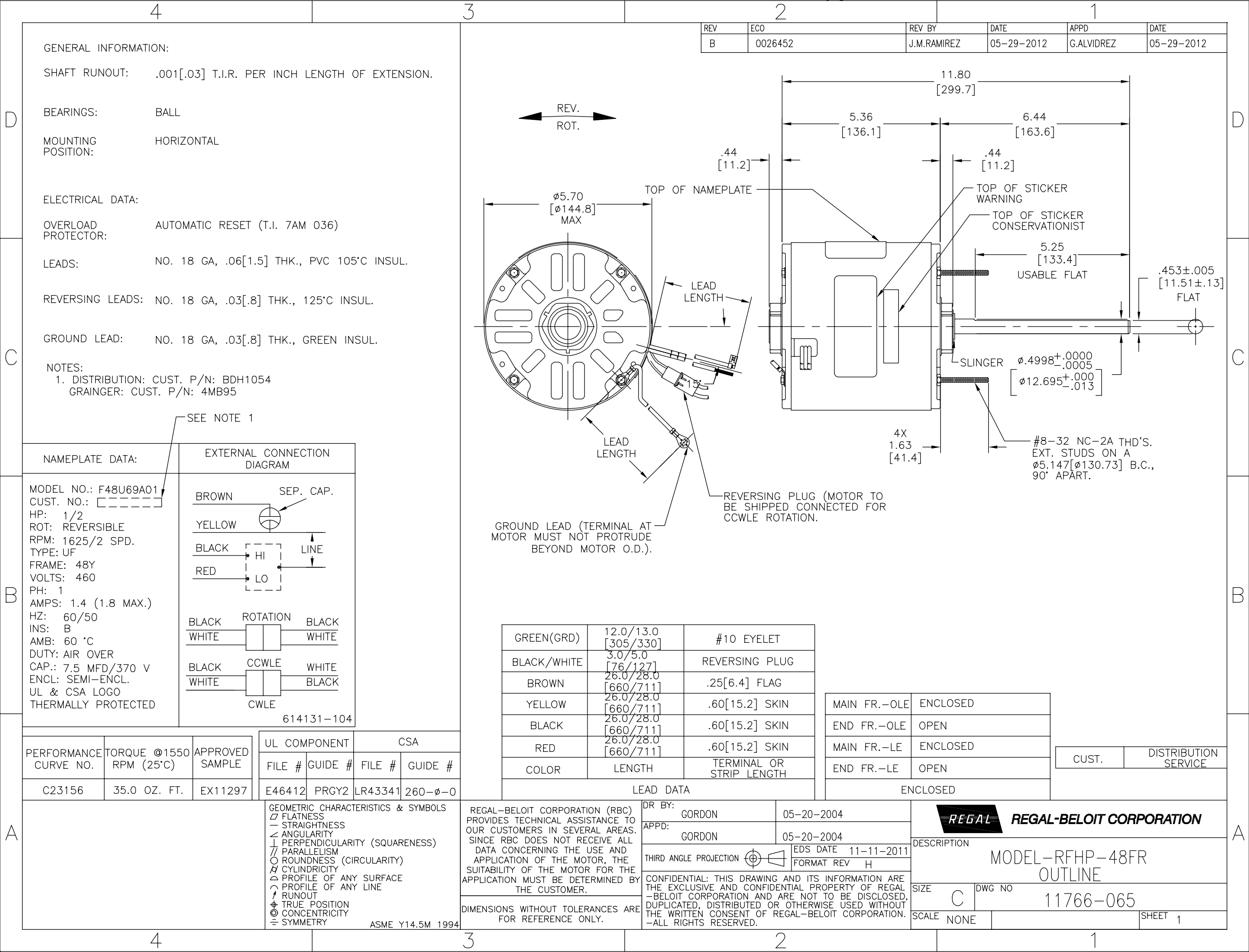
Nameplate Specifications

Phase	1	Output HP	1/2 Hp
Output KW	0.37 kW	Voltage	460 V
Speed	1625 rpm	Service Factor	1.0
Frame	48Y	Enclosure	Semi Enclosed
Thermal Protection	Automatic	Efficiency	65.7 %
Ambient Temperature	60 °C	Frequency	60/50 Hz
Current	1.4 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	4	Rotation	Reversible
Mounting	Extended Studs	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	Flat
Overall Length	12.24 in	Frame Length	4.75 in
Shaft Diameter	0.500 in	Shaft Extension	6.4 in
Outline Drawing	11766-065-S01	Connection Drawing	614131-104

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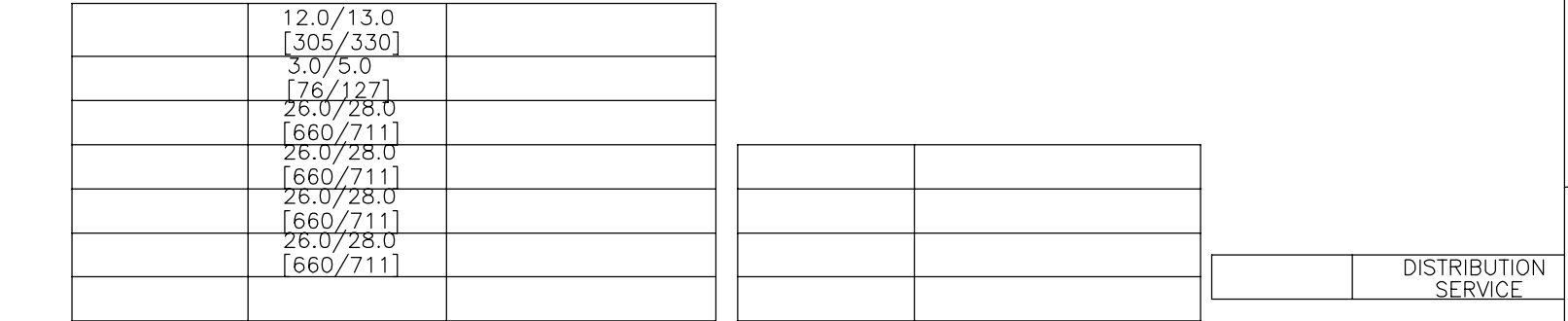


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1



The diagram illustrates the electrical connections and internal structure of the 614131-104 component. It features a central circular component with a cross-section showing four quadrants. The connections are as follows:

- BROWN** line connects to the top of the component.
- YELLOW** line connects to the bottom of the component.
- BLACK** line connects to the **HI** (High) input of the component.
- RED** line connects to the **LO** (Low) input of the component.
- A **SEP. CAP.** (Separation Capacitor) is connected between the **HI** and **LO** inputs.
- The component is connected to a **LINE** (output line) via a switch mechanism.

Below the main diagram, two internal switch configurations are shown:

- ROTATION** switch: When **BLACK** is on the left and **WHITE** is on the right, the output is **BLACK** on the left and **WHITE** on the right.
- CCWLE** (Counter-Clockwise) switch: When **BLACK** is on the left and **WHITE** is on the right, the output is **WHITE** on the left and **BLACK** on the right.
- CWLE** (Clockwise) switch: When **BLACK** is on the left and **WHITE** is on the right, the output is **WHITE** on the left and **BLACK** on the right.

614131-104

C23156	35.0 OZ. FT.	EX11297	E46412	PRGY2	LR43341	260-ø-0	

ASME Y14.5M 1994

未注公差尺寸仅供参考。

REGAL

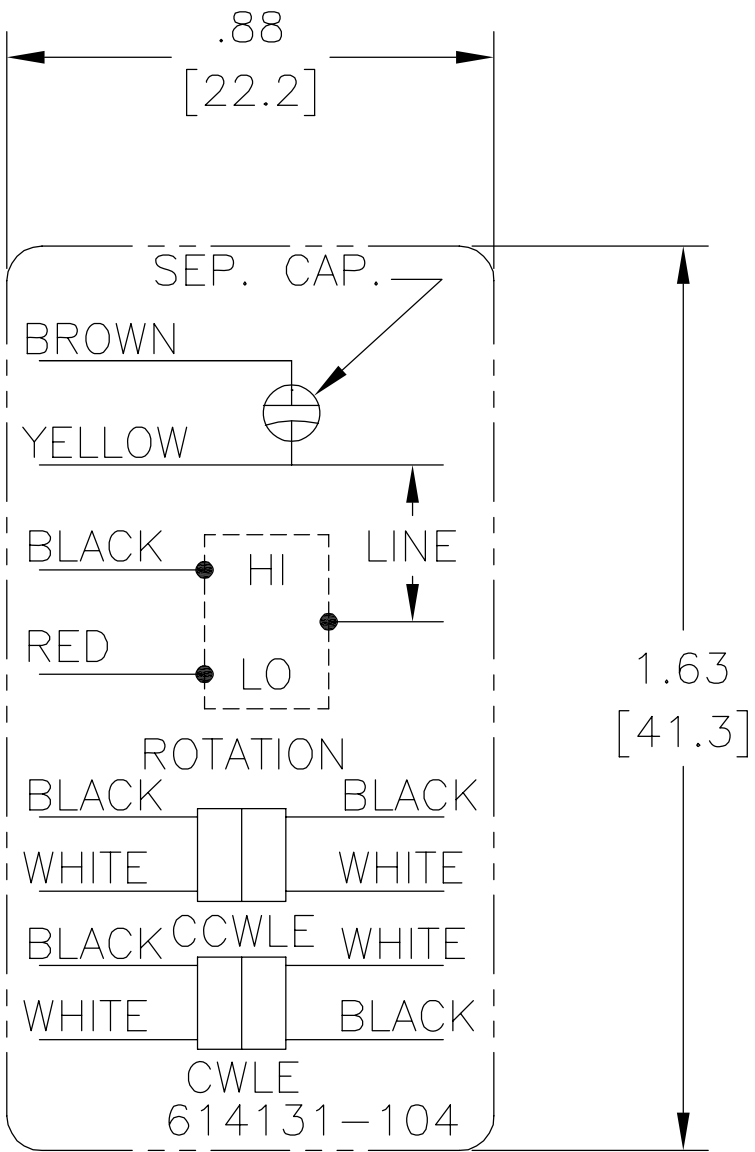
名称	规格	数量	单位	备注
...	...	...	...	...

图幅

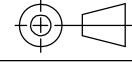
比例	
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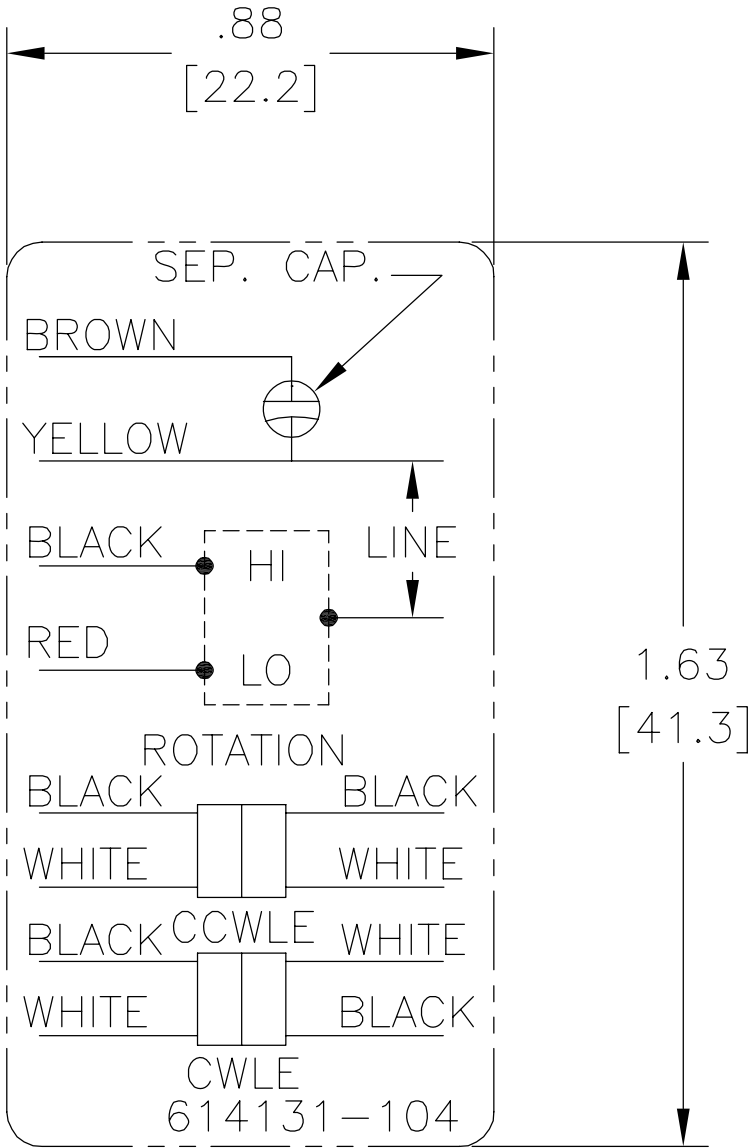
REV	ECO	REV BY	DATE	APPD	DATE
A	ECO-0018859	jrupert	02-21-011	triley	02-21-2011



- 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: jrupert	02-21-2011	 ELECTRICAL PRODUCTS COMPANY INNOVATION HAS A NAME. A DIVISION OF A. O. SMITH CORPORATION	
		APPD: triley	02-21-2011		
		THIRD ANGLE PROJECTION 	EDS DATE 02-22-2008	DESCRIPTION CONN DIAGRAM EXTERNAL	
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		CONFIDENTIAL: THIS DRAWING AND ITS INFORMATION ARE THE EXCLUSIVE AND CONFIDENTIAL PROPERTY OF A.O. SMITH CORP. AND ARE NOT TO BE DISCLOSED, DUPLICATED, DISTRIBUTED OR OTHERWISE USED WITHOUT THE WRITTEN CONSENT OF A.O. SMITH CORP. -ALL RIGHTS RESERVED. ASME Y14.5M 1994			
				SIZE A	DWG NO 614131-104
		SCALE NONE		SHEET 1	

REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
A	ECO-0018859	jrupert	02-21-011	triley	02-21-2011

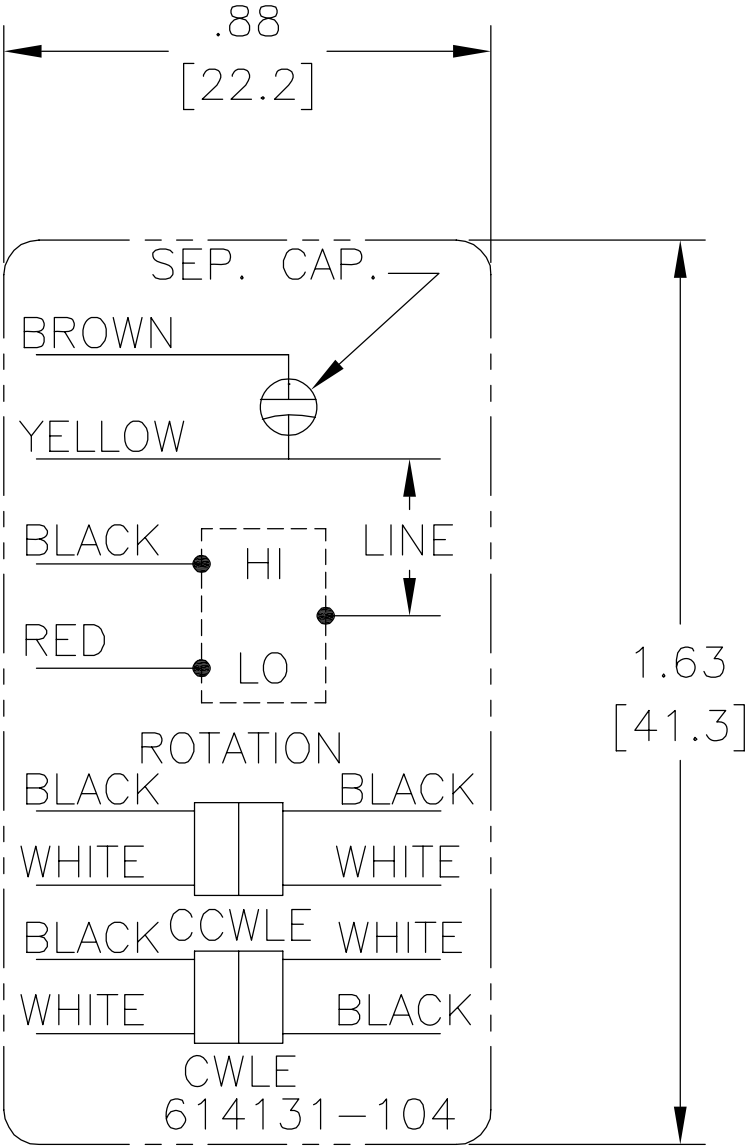


NOTES:

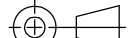
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CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS ∇ PLANICIDAD — RECTITUD ∠ ANGULARIDAD ⊥ PERPENDICULARIDAD (A ESCUADRA) // PARALELISMO ○ REDONDEZ (CIRCULARIDAD) ⌀ CILINDRICIDAD ⌒ PERFIL DE CUALQUIER SUPERFICIE ⌒ PERFIL DE CUALQUIER LINEA ↑ VARIACION ⊕ POSICION REAL ◎ CONCENTRICIDAD ≡ SIMETRIA	A MENOS QUE SE ESPECIFIQUE DE OTRA MANERA, LAS TOLERANCIAS DE LAS DIMS. SON LAS SIGUIENTES: PULG X XX XXX XXXX mm ±.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	02-21-2011	ACSmith Innovation has a name. ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION		
		APROBADO POR: triley	02-21-2011			
		TERCER ANGULO DE PROYECCION		FECHA EDS: 02-22-2008 REV. FORMATO: F	DESCRIPCION: CONN DIAGRAM EXTERNAL	
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					ESCALA:NONE	

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