

PRODUCT INFORMATION PACKET



Model No: OAM10088

Catalog No: OAM10088

OEM Replacement Motor, 1/12 HP, 1 Ph, 60 Hz, 208-230 V, 825 RPM, 1 Speed, 48 Frame, TEAO



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Nameplate Specifications

Phase	1	Output HP	1/12 Hp
Output KW	0.06 kW	Voltage	208-230 V
Speed	825 rpm	Service Factor	1.0
Frame	48Y	Enclosure	Totally Enclosed Air Over
Thermal Protection	Automatic	Ambient Temperature	40 °C
Frequency	60 Hz	Current	0.5-0.6 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	8	Rotation	Clockwise Lead End
Mounting	Extended Studs	Motor Orientation	Horizontal
Drive End Bearing	Sleeve	Opp Drive End Bearing	Sleeve
Frame Material	Rolled Steel	Shaft Type	Flat
Overall Length	13.37 in	Frame Length	3.25 in
Shaft Diameter	0.500 in	Shaft Extension	2.3 in
Outline Drawing	OAM10088-S01	Connection Drawing	614131-318

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GENERAL INFORMATION:

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

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

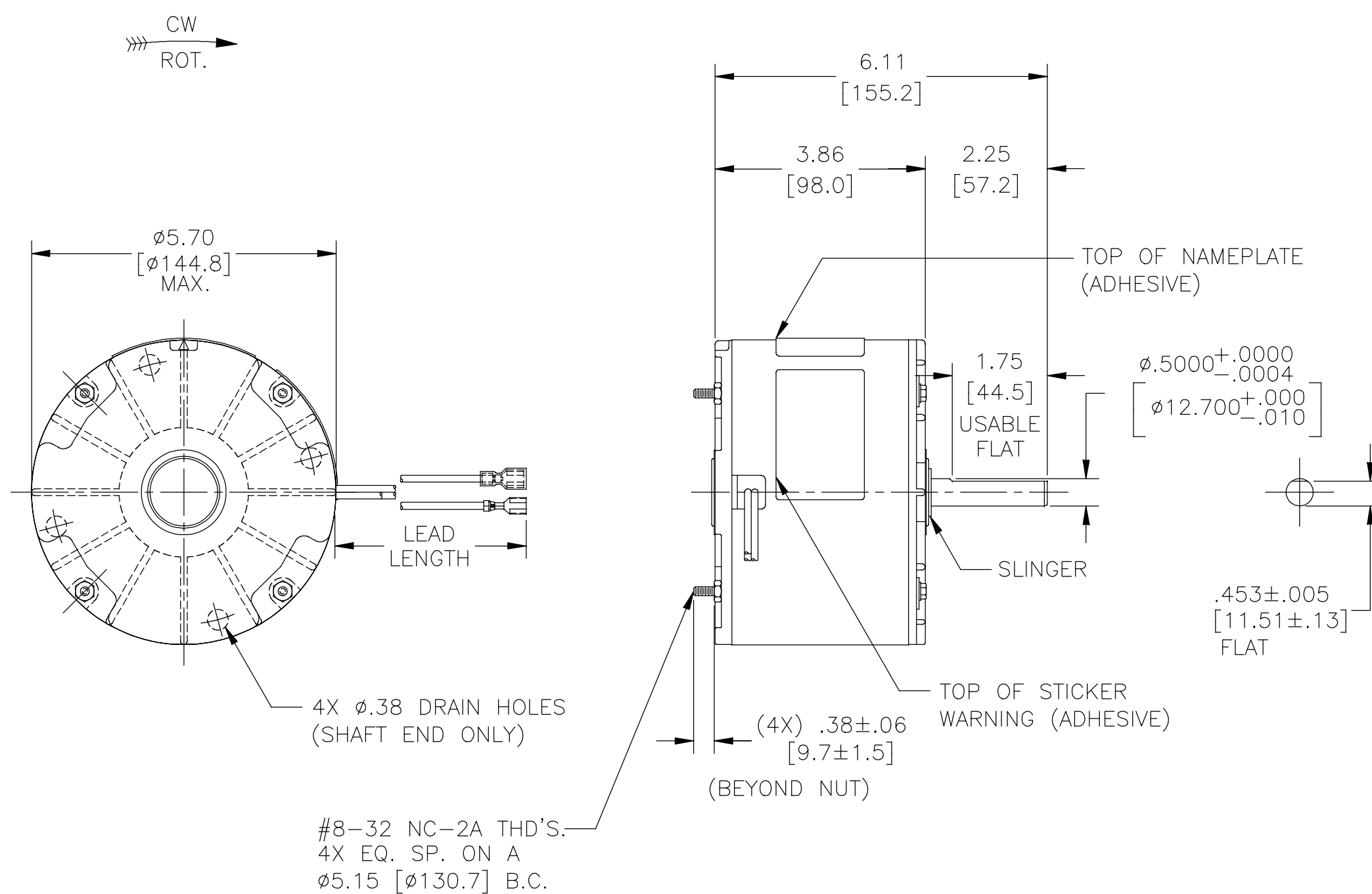
BEARINGS: SLEEVE

MOUNTING POSITION: VERTICAL - SHAFT DOWN

ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET (SENSATA 7AM 036)

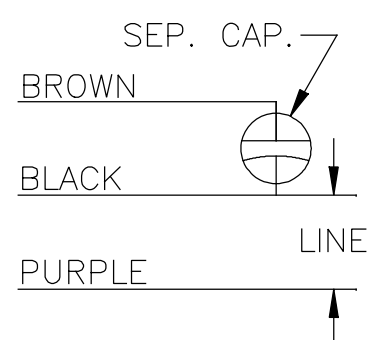
LEADS: NO. 18 GA., .06 [1.5] THK. PVC 105°C INSUL.



NAMEPLATE DATA:

MODEL NO.: F48V44A01
 CUST. P/N: OAM10088
 HP: 1/12
 ROT.: CWLE
 RPM: 825
 TYPE: UF
 FRAME: 48Y
 VOLTS: 208-230
 PH: 1
 AMPS: 0.5-0.6
 HZ: 60
 INS.: B
 AMB.: 40° C
 DUTY: AIR OVER
 CAP.: 5 MFD/370 V
 ENCL: ENCLOSED
 UL LOGO
 CSA LOGO
 THERMALLY PROTECTED

EXTERNAL CONNECTION DIAGRAM



614131-318

BROWN	47.0/50.0 [1194/1270]	.25 [6.4] FEMALE SPADE
PURPLE	47.0/50.0 [1194/1270]	.25 [6.4] PRE-INSUL. FEMALE SPADE
BLACK	47.0/50.0 [1194/1270]	.25 [6.4] FEMALE SPADE
COLOR	LENGTH	TERMINAL OR STRIP LENGTH

MAIN FRAME - OLE	ENCLOSED
END FRAME - OLE	ENCLOSED
MAIN FRAME - LE	ENCLOSED
END FRAME - LE	ENCLOSED

CUSTOMER	DISTRIBUTION SERVICE
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PERFORMANCE CURVE NO.	TORQUE @ 825 RPM (25° C)	APPROVED SAMPLE	UL COMPONENT FILE #	CCN #	CSA FILE #	CLASS #
C32375	9.95 OZ. FT.	0442980C	E46412	PRGY2	LR43341	4211-01

DRAWING REVISION D	REVISION BY J. RUPERT	DATE 08-08-2018
ECO-0150305	APPROVED BY J. RUPERT	DATE 08-08-2018
ECO DESCRIPTION CORRECTED OUTLINE FROM K3202-S01		

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DRAWN BY: J. RUPERT	DATE: 08-08-2018
APPROVED BY: J. RUPERT	DATE: 08-08-2018
REFERENCE: 11811-011	THIRD ANGLE PROJECTION

REGAL ™ Regal Beloit America, Inc.	
DESCRIPTION	MODEL-RFHP-48FR OUTLINE
MATERIAL	PROCESS/FINISH
SIZE DWG NO	OAM10088
SHEET	1

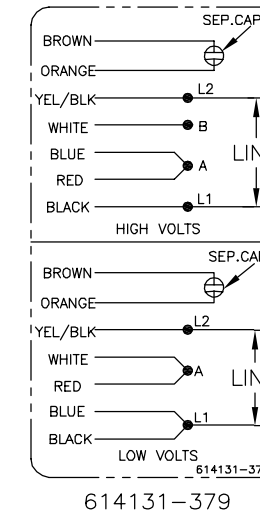
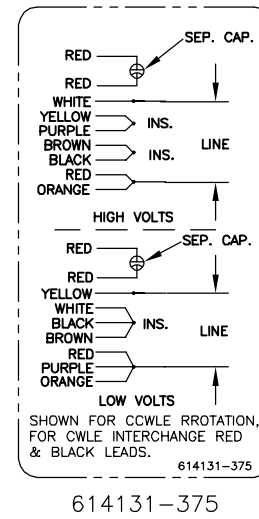
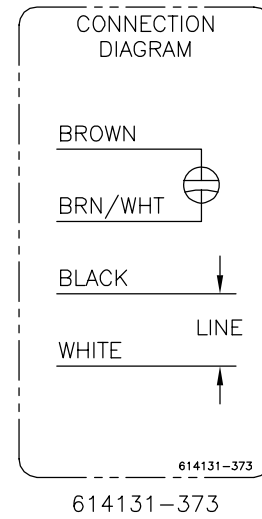
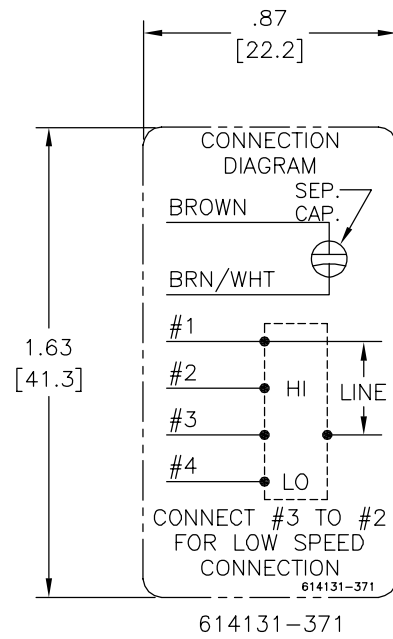
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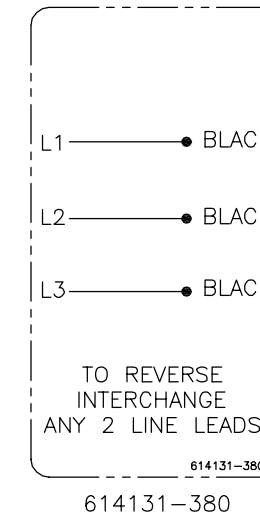
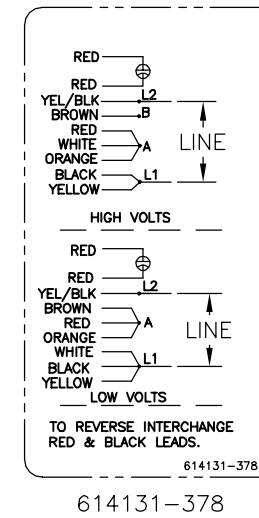
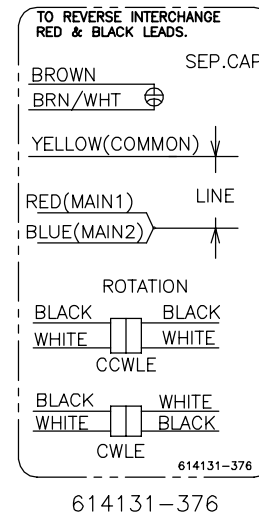
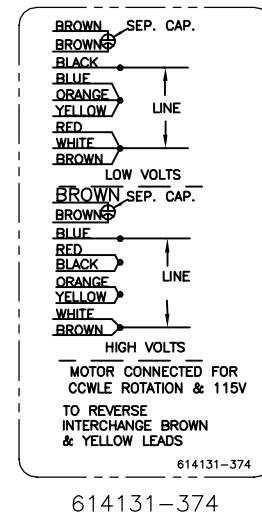
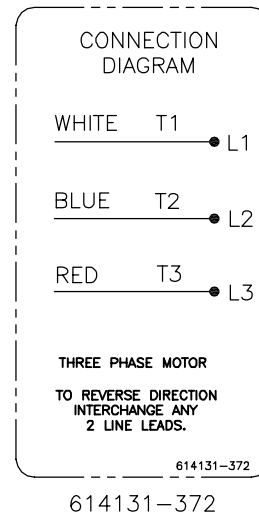
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REV	REFERENCE ECN	REFERENCE PROJECT	REV BY	DATE	APPD	DATE
D.04	00017504	0703436	Hong	04/09/2008		



LOW VOLTS (CWLE)



NOTES:

- FOR USE WITH 614129 NAMEPLATE BLANK
- INDICATES DIMENSION LIMITS
- DIE TO BE MADE FROM MASTER SUPPLIED BY A. O. SMITH CORPORATION
- 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 08-15-2007

APPD: cbranch 08/15/2007

THIRD ANGLE PROJECTION

EDS DATE 01-21-2007
FORMAT REV E

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DESCRIPTION
CONN DIAGRAM - EXTERNAL

SIZE C DWG NO 614131 -371 THRU -380

SCALE NONE SHEET 38

4

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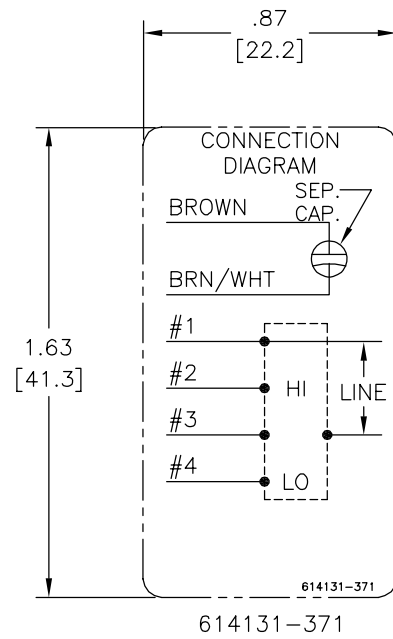
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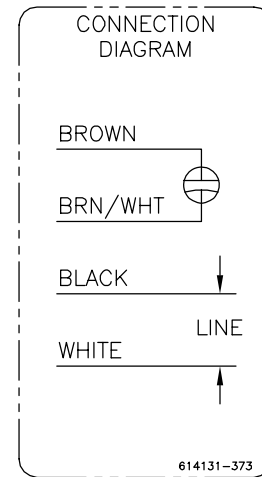
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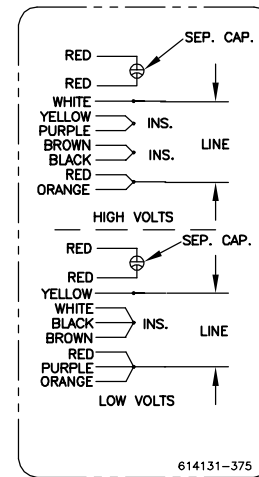
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D.04	00017504	0703436	Hong	04/09/2008		



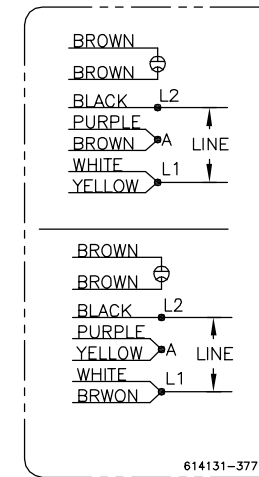
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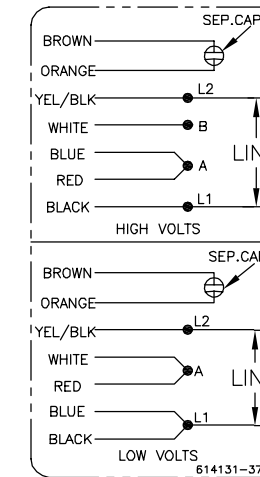
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614131-375

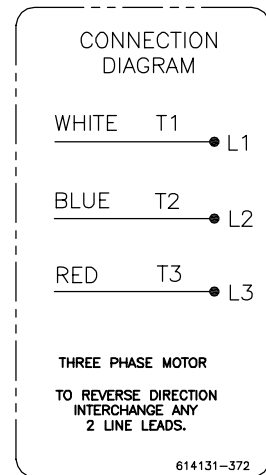


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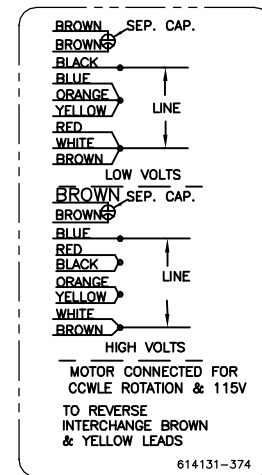


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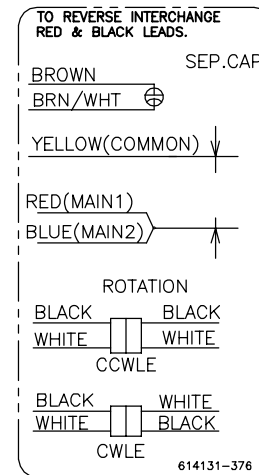
LOW VOLTS (CWLE)



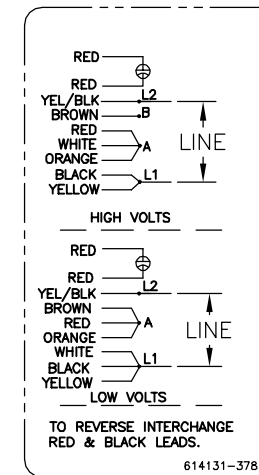
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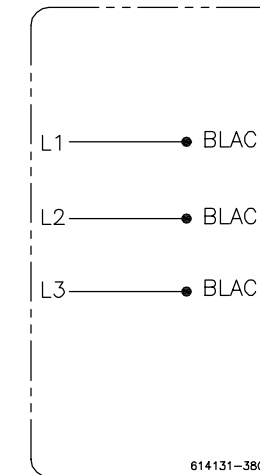
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614131-376



614131-378



614131-380

NOTES:

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4. DIE MUST PRODUCE A LEGIBLE IMPRESSION.

<p>CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS</p> <ul style="list-style-type: none"> □ PLANICIDAD — RECTITUD ∠ ANGULARIDAD ⊥ PERPENDICULARIDAD (A ESCUADRA) // PARALELISMO ○ REDONDEZ (CIRCULARIDAD) ∅ CILINDRICIDAD △ PERFIL DE CUALQUIER SUPERFICIE ∧ PERFIL DE CUALQUIER LINEA ∩ VARIACION ⊕ POSICION REAL ⊙ CONCENTRICIDAD = SIMETRIA

<p>A MENOS QUE SE ESPECIFIQUE DE OTRA MANERA, LAS TOLERANCIAS DE LAS DIMS; SON LAS SIGUIENTES:</p> <p>mm ±0.5 ±0.13 ±0.013</p> <p>PULG ±.1 ±.02 ±.005 ±.0005</p> <p>ANG. ±.50 GRADOS</p> <p>ELIMINAR REBABAS Y ORILLAS FILOSAS DEL BORDE.</p> <p>PULG .003-.015 mm 0.1-0.4</p> <p>FILETEAR ESQUINA: PULG .020 mm 0.5</p> <p>MAQUINAR SUPERFICIES</p> <p>PULG 125 mm 3.2</p> <p>DIMS METRICAS MOSTRADAS [PARENTESIS]</p>

DIBUJADO POR:	jrupert	08-15-2007
APROBADO POR:	cbranh	08/15/2007
TERCER ANGULO DE PROYECCION		FECHA EDS: 01-21-2007
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DESCRIPCION:	
CONN DIAGRAM - EXTERNAL	
TAMAÑO: C	NUMERO DE DIBUJO: 614131 -371 THRU -380
ESCALA: NONE	HOJA: 38

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