

PRODUCT INFORMATION PACKET



Model No: ORM1036V1
Catalog No: ORM1036V1

OEM Replacement Motor, 1/3 HP, 1 Ph, 60 Hz, 208-230 V, 1075 RPM, 1 Speed, 48 Frame, TEAO



Regal and Century are trademarks of Regal Rexnord Corporation or one of its affiliated companies.
©2025 Regal Rexnord Corporation, All Rights Reserved. MC017097E





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	Totally Enclosed Air Over
Thermal Protection	Automatic	Ambient Temperature	40 °C
Frequency	60 Hz	Current	1.5-1.8 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	Extended Studs	Motor Orientation	Vertical Shaft Down
Drive End Bearing	Sleeve	Opp Drive End Bearing	Sleeve
Frame Material	Rolled Steel	Shaft Type	Double Flat
Overall Length	7.61 in	Frame Length	3.38 in
Shaft Diameter	0.500 in	Shaft Extension	3.3 in
Outline Drawing	ORM1036V1-S01	Connection Drawing	614131-317

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:02/10/2025

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

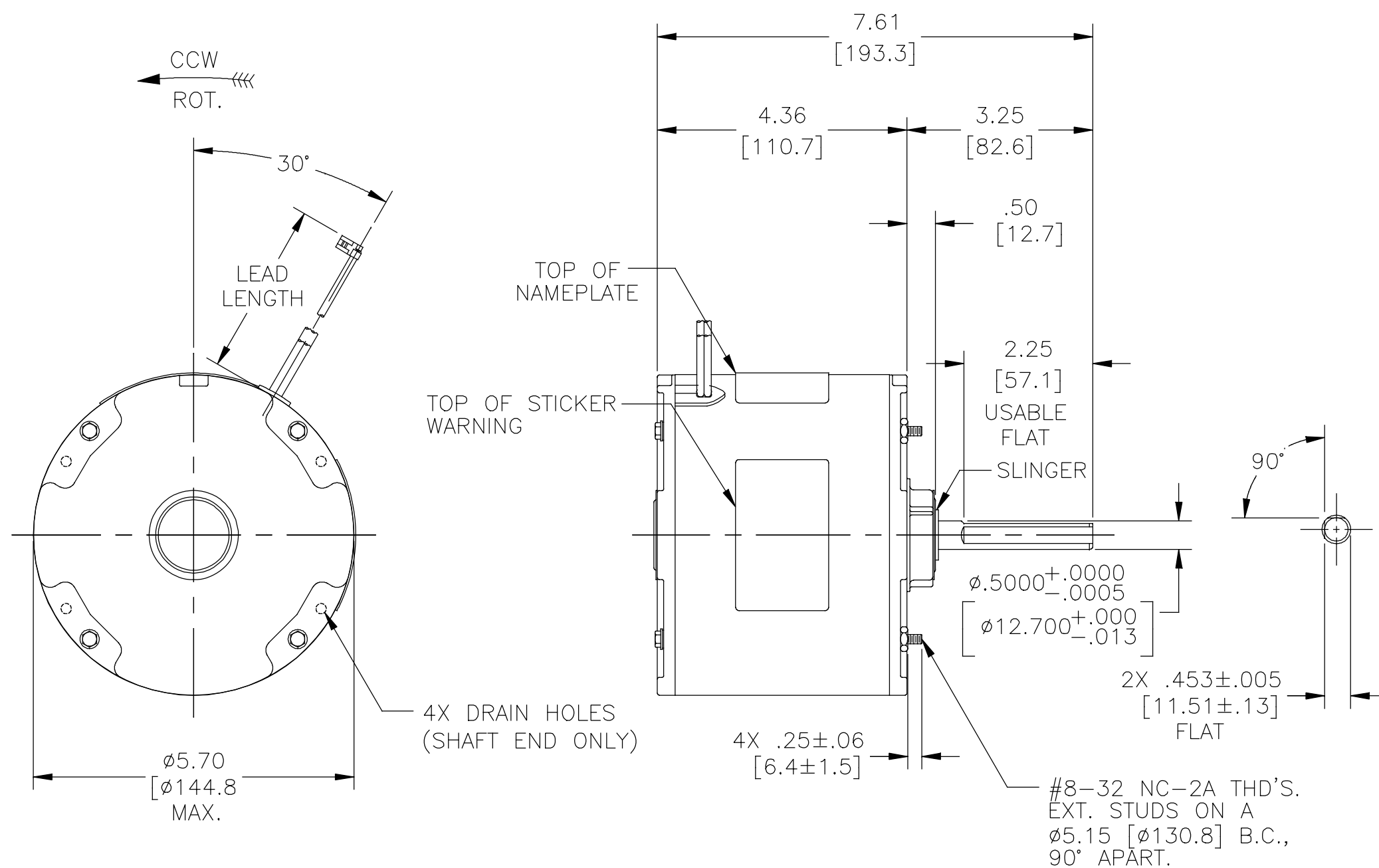
ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET (SENSATA 7AM 036)

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

NOTES:
1. DISTRIBUTION: CUST. P/N: ORM1036V1
GRAINGER: CUST. P/N: 4UY71

SEE NOTE 1



NAMEPLATE DATA:		EXTERNAL CONNECTION DIAGRAM	
MODEL NO.: F48V39A01 CUST. P/N: <input type="text"/> HP: 1/3 ROT.: CCWLE RPM: 1075 TYPE: UF FRAME: 48Y VOLTS: 208-230 PH: 1 AMPS: 1.5-1.8 HZ: 60 INS.: B AMB.: 40°C DUTY: AIR OVER CAP.: 5 MFD/370 V ENCL: ENCLOSED UL LOGO CSA LOGO THERMALLY PROTECTED			
614131-317			

BROWN	39.0/42.0 [991/1067]	.25 [6.4] FLAG
ORANGE	39.0/42.0 [991/1067]	.25 [6.4] FLAG
ORANGE	39.0/42.0 [991/1067]	.25 [6.4] FLAG
BLACK	39.0/42.0 [991/1067]	.25 [6.4] FLAG
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
----------	----------------------

PERFORMANCE CURVE NO.	TORQUE @ 1075 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT FILE #	CCN #	CSA FILE #	CLASS #
C32359	25.4 OZ. FT.	0442975B	E46412	PRGY2	LR43341	4211-01

DRAWING REVISION D	REVISION BY J. RUPERT	DATE 07-19-2018
ECO-0149233	APPROVED BY J. RUPERT	DATE 07-19-2018
ECO DESCRIPTION CHANGED FROM 12056-075		
COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. (OWNER) AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.		

DRAWN BY: J. RUPERT	DATE: 09-17-2004
APPROVED BY: T. RILEY	DATE: 09-21-2004
REFERENCE: 12056-075	THIRD ANGLE PROJECTION

REGAL Regal Beloit America, Inc.	
DESCRIPTION MODEL-RFHP-48FR OUTLINE	
MATERIAL	PROCESS/FINISH
SIZE DWG NO. C	ORM1036V1
SHEET	1

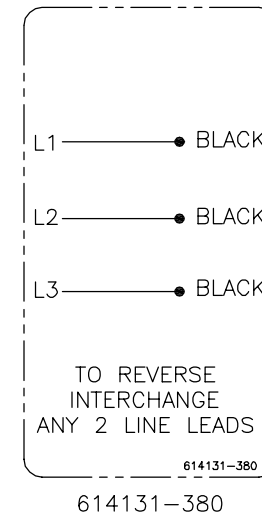
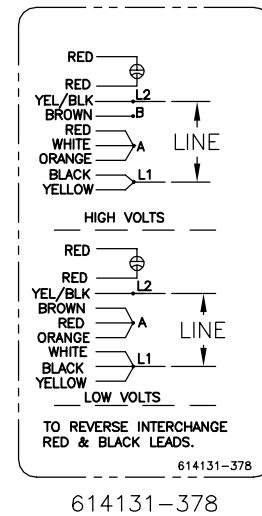
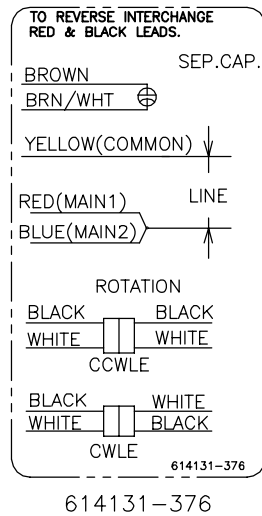
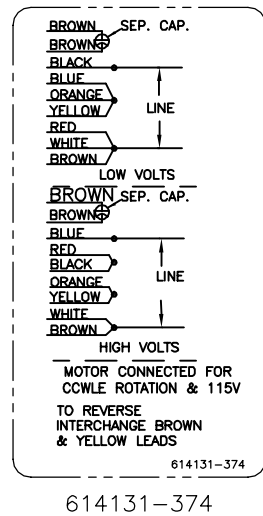
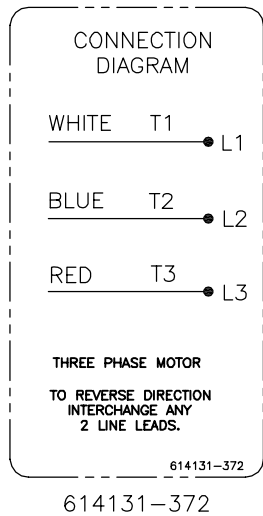
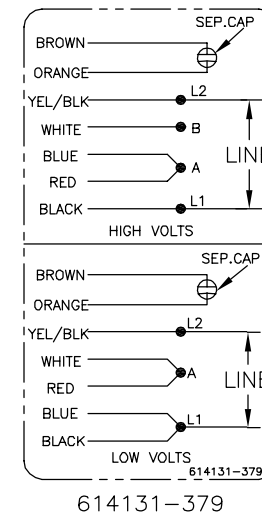
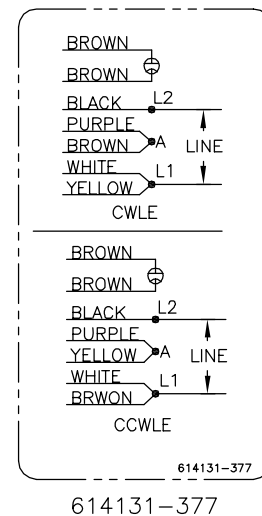
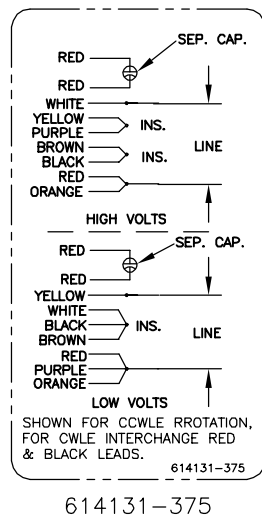
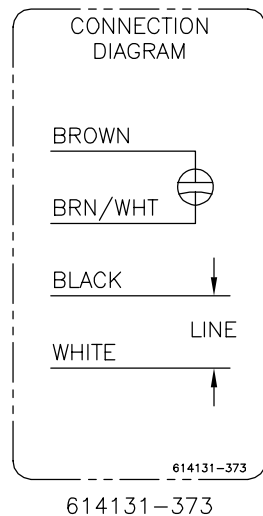
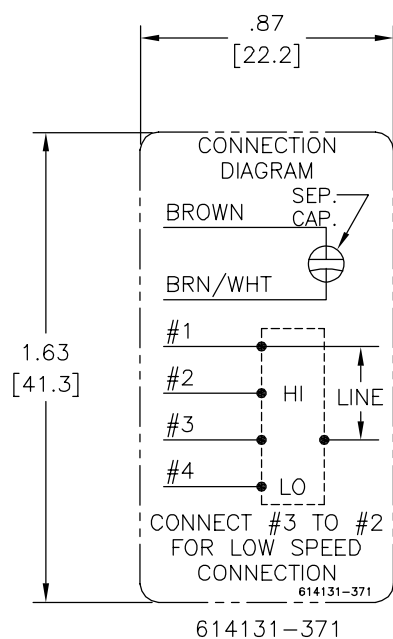
4

3

2

1

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



- 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: cbran 08/15/2007

THIRD ANGLE PROJECTION

EDS DATE 01-21-2007
 FORMAT REV E

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

A.O. SMITH
 ELECTRICAL PRODUCTS COMPANY
 TIPP CITY, OHIO

A DIVISION OF A. O. SMITH CORPORATION
 COPYRIGHT 1995

DESCRIPTION
 CONN DIAGRAM - EXTERNAL

SIZE C DWG NO 614131 -371 THRU -380

SCALE NONE SHEET 38

4

3

2

1

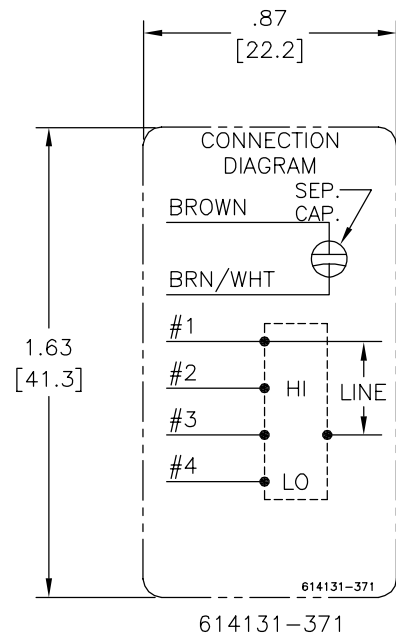
4

3

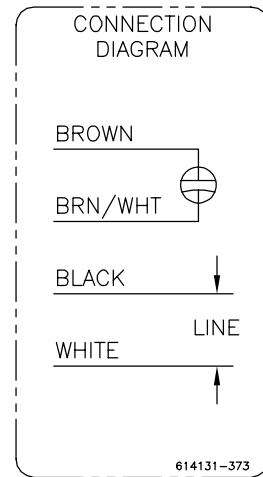
2

1

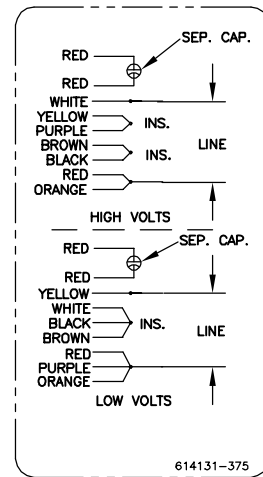
REVISION:	ECN REFERENCIA:	PROYECTO REFERENCIA:	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
D.04	00017504	0703436	Hong	04/09/2008		



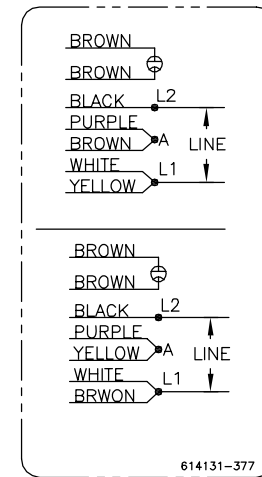
614131-371



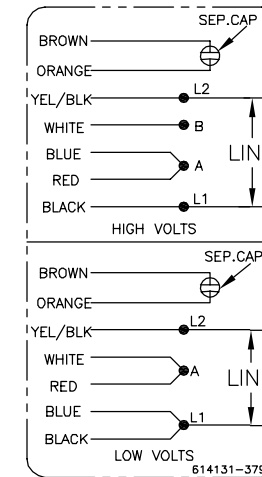
614131-373



614131-375

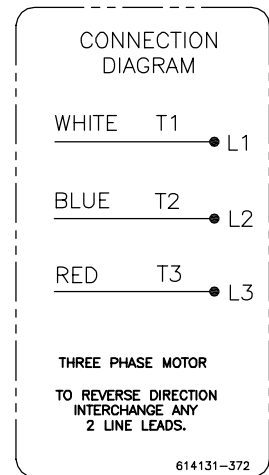


614131-377

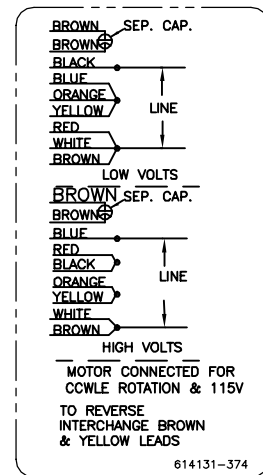


614131-379

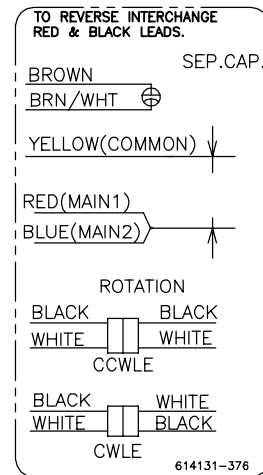
LOW VOLTS (CWLE)



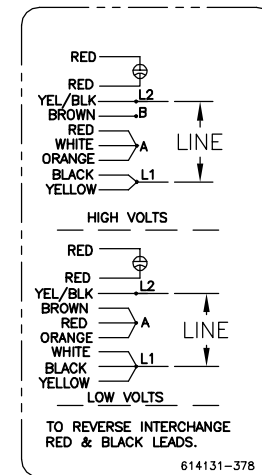
614131-372



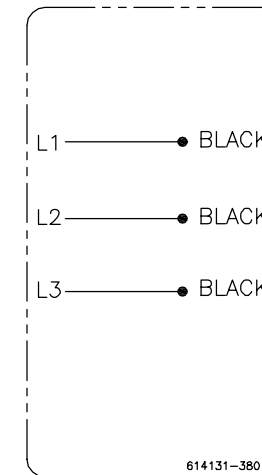
614131-374



614131-376



614131-378



614131-380

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.

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:

mm ±0.1 ±0.02 ±0.005 ±0.0005
 PULG ±.1 ±.02 ±.005 ±.0005

mm ±0.5 ±0.13 ±0.013
 PULG ±.5 ±.13 ±.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

APROBADO POR: cbranh

TERCER ANGULO DE PROYECCION

CONFIDENCIAL: ESTE DIBUJO Y SU INFORMACION SON PROPIEDAD DE USO EXCLUSIVO Y CONFIDENCIAL DE A.O.SMITH CORP. Y NO DEBERAN SER REVELADOS, DUPLICADOS, DISTRIBUIDOS O USARSE DE OTRA MANERA SIN EL CONSENTIMIENTO ESCRITO DE A.O. SMITH CORP. -TODOS LOS DERECHOS RESERVADOS.ASME Y14.5M 1994

DIBUJADO POR: jrupert

APROBADO POR: cbranh

TERCER ANGULO DE PROYECCION

CONFIDENCIAL: ESTE DIBUJO Y SU INFORMACION SON PROPIEDAD DE USO EXCLUSIVO Y CONFIDENCIAL DE A.O.SMITH CORP. Y NO DEBERAN SER REVELADOS, DUPLICADOS, DISTRIBUIDOS O USARSE DE OTRA MANERA SIN EL CONSENTIMIENTO ESCRITO DE A.O. SMITH CORP. -TODOS LOS DERECHOS RESERVADOS.ASME Y14.5M 1994

DESCRIPCION: CONN DIAGRAM - EXTERNAL

TAMAÑO: C

NUMERO DE DIBUJO: 614131 -371 THRU -380

ESCALA: NONE

HOJA: 38

4

3

2

1

