

# PRODUCT INFORMATION PACKET



Model No: FDL1076V1

Catalog No: FDL1076V1

Fan and Blower Motor, 3/4 HP, 1 Ph, 60 Hz, 115 V, 1075 RPM, 5 Speed, 48 Frame, OPEN



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	3/4 Hp
Output KW	0.56 kW	Voltage	115 V
Speed	1075 rpm	Service Factor	1.0
Frame	48Y	Enclosure	Open Enclosed
Thermal Protection	Automatic	Ambient Temperature	40 °C
Frequency	60 Hz	Current	8.0 A
Duty	Air Over	Insulation Class	B
UL	Recognized	CSA	N
CE	N	Number of Speeds	5

**Technical Specifications**

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Mounting	Extended Studs	Motor Orientation	Any
Drive End Bearing	Sleeve	Opp Drive End Bearing	Sleeve
Frame Material	Rolled Steel	Shaft Type	Flat
Overall Length	12.55 in	Frame Length	5.00 in
Shaft Diameter	0.500 in	Shaft Extension	6.5 in
Outline Drawing	FDL1076V1-S01	Connection Drawing	614131-320

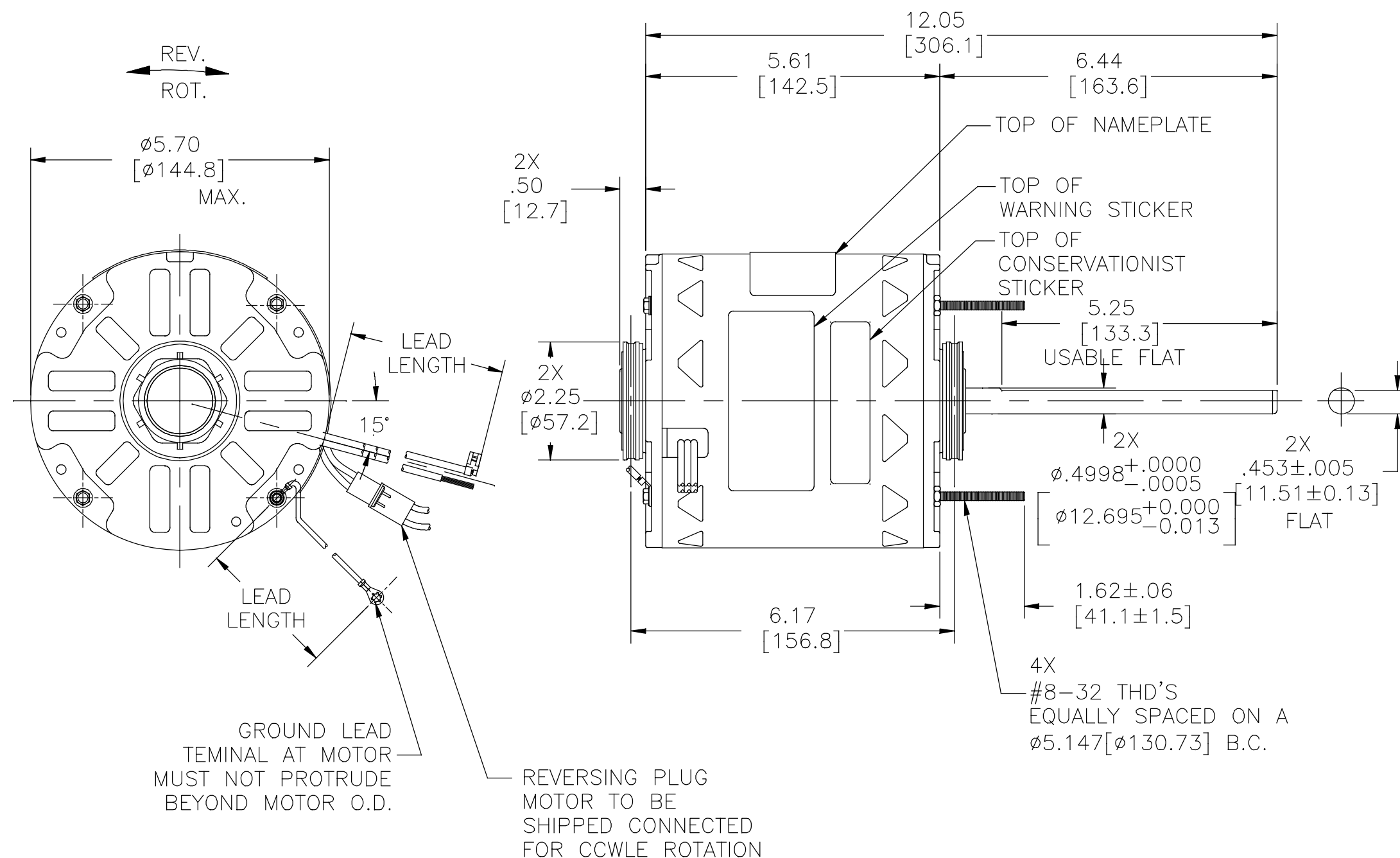
This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:02/10/2025

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: ALL ANGLE

ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET (SENSATA 7AM 036)  
 LEADS: NO. 18 GA., .06 [1.5] THK. PVC 105°C INSUL.  
 REVERSING LEADS: NO. 18 GA., .03 [.8] THK. PVC 125°C INSUL.  
 GROUND LEAD: NO. 16 GA., .03 [.8] THK. (GREEN/YELLOW) INSUL.

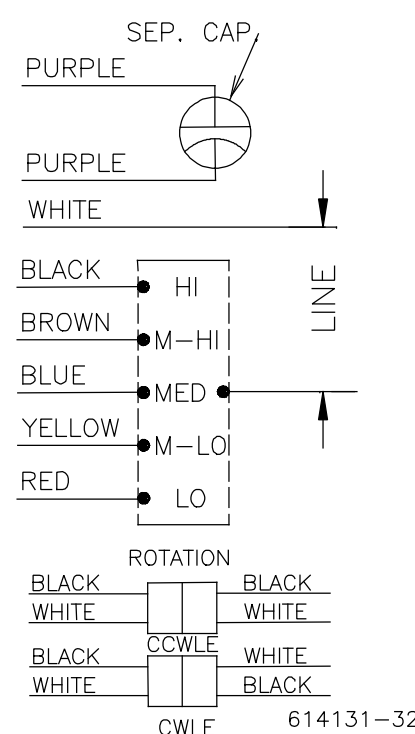


- NOTES:  
 1. SNAP RINGS 615035 4 REQUIRED TO BE PACKED WITH EACH MOTOR  
 2. DISTRIBUTION PART NUMBER: FDL1076V1  
 GRAINGER PART NUMBER: 4MA78

NAMEPLATE DATA:

MODEL: F48V40A01  
 CUST. P/N:   
 HP: 3/4  
 ROT: REVERSIBLE  
 RPM: 1075/ 5 SPD.  
 TYPE: UF  
 FRAME: 48Y  
 VOLTS: 115  
 PH: 1  
 AMPS: 8.0  
 HZ: 60  
 INS: B  
 AMB: 40 °C  
 DUTY: AIR OVER  
 CAP.: 40 MFD/370V  
 ENCL: OPEN  
 UL LOGO  
 CSA LOGO  
 THERMALLY PROTECTED

EXTERNAL CONNECTION DIAGRAM



GREEN (GRD)	12.0/13.0 [305/330]	#10 EYELET
BROWN/WHITE	3.0/5.0 [76/127]	REVERSING PLUG
PURPLE	20.0/22.0 [508/559]	.25 [6.4] FLAG
PURPLE	20.0/22.0 [508/559]	.25 [6.4] FLAG
WHITE	28.0/30.0 [711/762]	.50 [12.7] SKIN
BLACK	28.0/30.0 [711/762]	.50 [12.7] SKIN
BROWN	28.0/30.0 [711/762]	.50 [12.7] SKIN
BLUE	28.0/30.0 [711/762]	.50 [12.7] SKIN
YELLOW	28.0/30.0 [711/762]	.50 [12.7] SKIN
RED	28.0/30.0 [711/762]	.50 [12.7] SKIN
COLOR	LENGTH	TERMINAL OR STRIP LENGTH

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.

MAIN FRAME - OLE	OPEN
END FRAME - OLE	OPEN
MAIN FRAME - LE	OPEN
END FRAME - LE	OPEN

PERFORMANCE CURVE NO.	TORQUE @1075 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT FILE	CSA FILE
C32360	60 OZ. FT.	0442698C	E46412 PRGY2	LR43341 4211-01

DRAWING REVISION E	REVISION BY J. RUPERT	DATE 09-14-2020
ECO-0192198	APPROVED BY J. RUPERT	DATE 09-14-2020
ECO DESCRIPTION CHANGED FROM 11760-117		
<small>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.</small>		

DRAWN BY: GOROON	DATE: 09-20-2004	Regal Beloit America, Inc.
APPROVED BY: SFW	DATE: 01-16-2006	
REFERENCE	MATERIAL	DESCRIPTION: MODEL-RFHP-48FR OUTLINE
THIRD ANGLE PROJECTION	SIZE DWG NO: C	PROCESS/FINISH
		SHEET 1

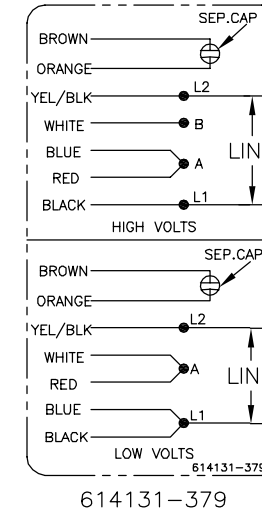
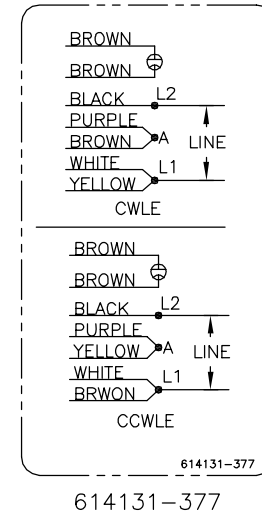
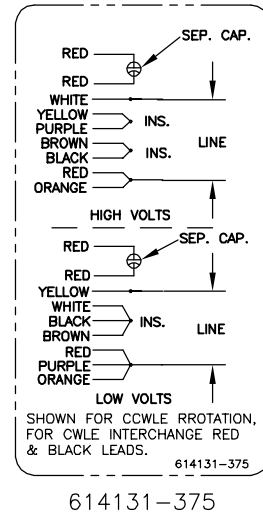
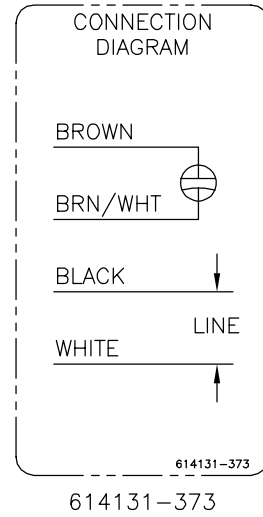
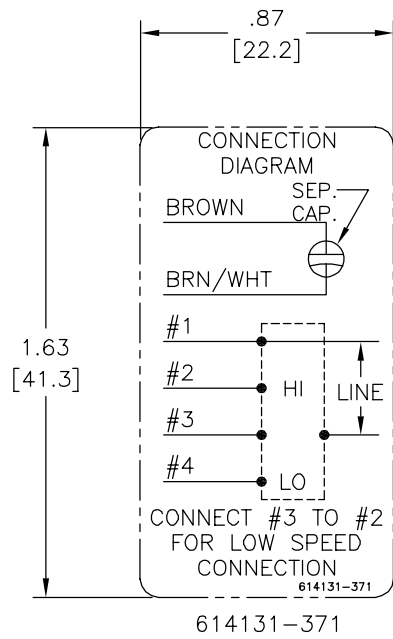
4

3

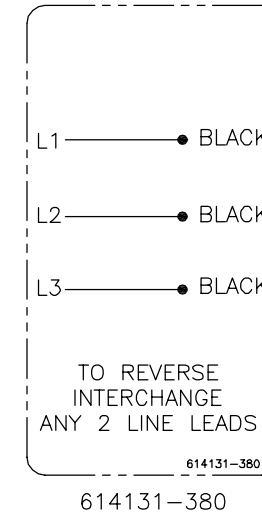
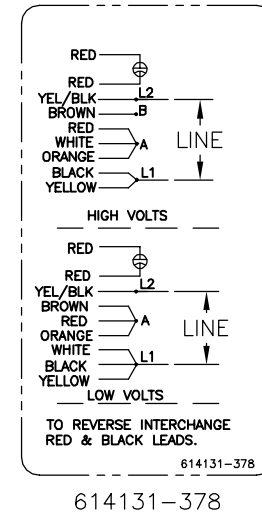
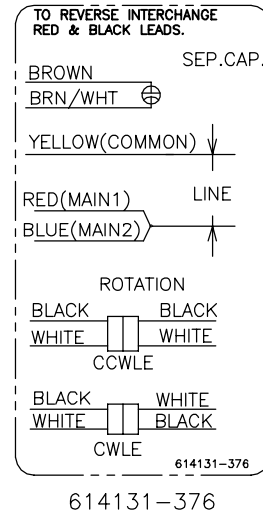
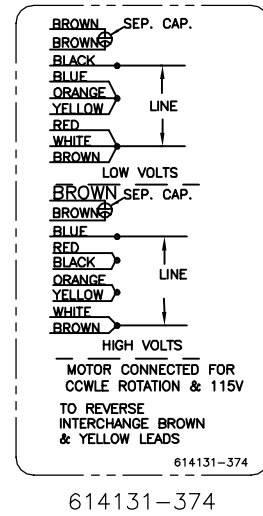
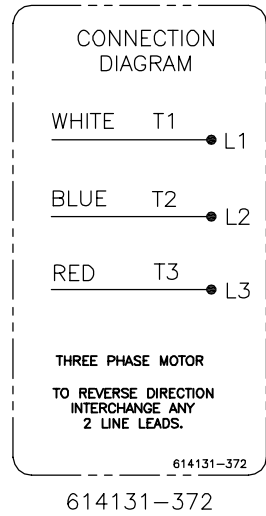
2

1

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
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		

<b>A.O. SMITH</b> 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

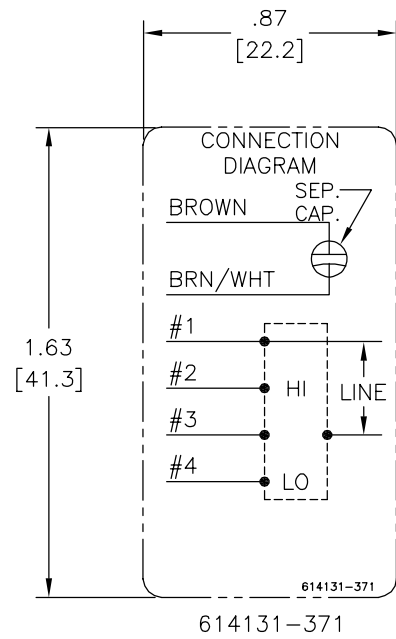
4

3

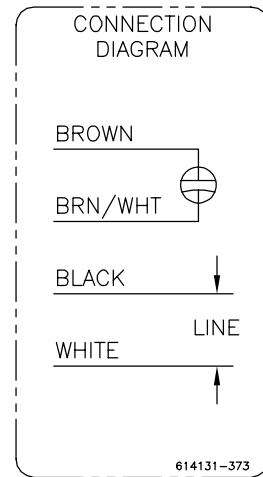
2

1

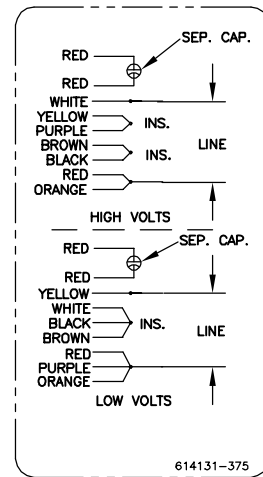
REVISION:	ECN REFERENCIA:	PROYECTO REFERENCIA:	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
D.04	00017504	0703436	Hong	04/09/2008		



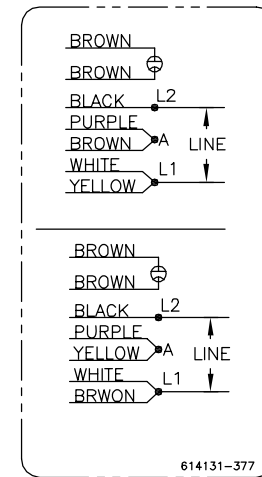
614131-371



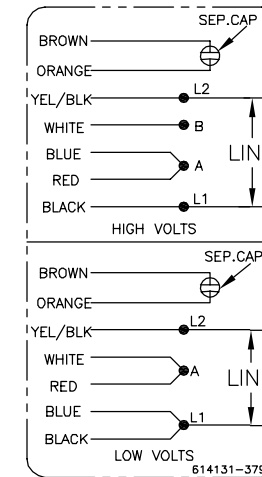
614131-373



614131-375

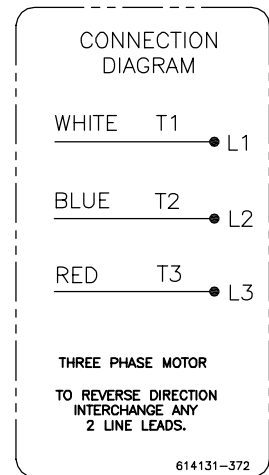


614131-377

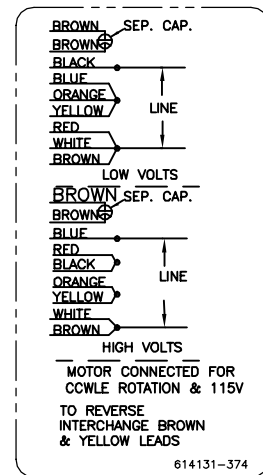


614131-379

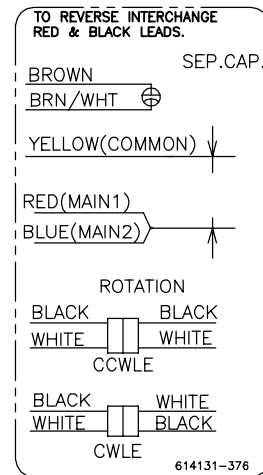
LOW VOLTS (CWLE)



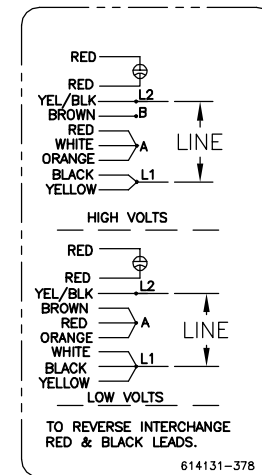
614131-372



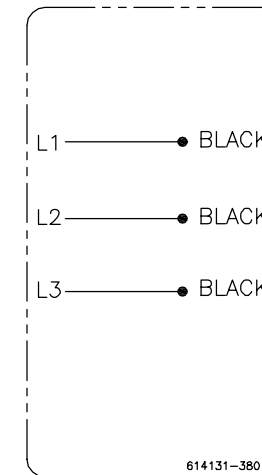
614131-374



614131-376



614131-378



614131-380

NOTES:

- 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.

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 ±.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  
 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 08-15-2007  
 APROBADO POR: cbranh 08/15/2007  
 FECHA EDS: 01-21-2007  
 REV. FORMATO: E  
**A.O. SMITH** A DIVISION OF A. O. SMITH CORPORATION  
 ELECTRICAL PRODUCTS COMPANY TIPP CITY, OHIO COPYRIGHT 1995  
 DESCRIPCION: CONN DIAGRAM - EXTERNAL  
 TAMAÑO: C NUMERO DE DIBUJO: 614131 -371 THRU -380  
 ESCALA: NONE HOJA: 38

4

3

2

1

