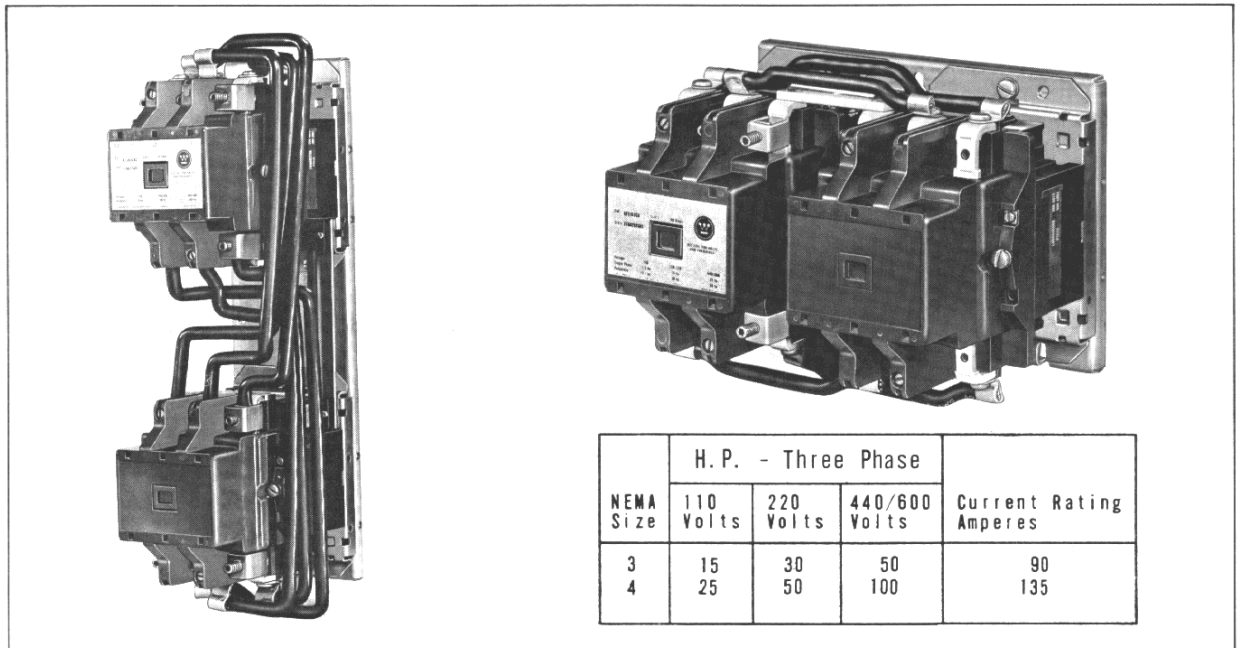


# Instructions for A/200 Series, Size 3 and 4 Reversing Contactor 3 Pole



I.L. 13241B  
File 8200



*Size 4, 3 Pole Vertical Reversing Contactor and Size 3, 3 Pole Horizontal Reversing Contactor*

The A/200 Series, Size 3 and 4 Reversing Contactor is designed for full voltage starting and reversing of A.C. motors and for motor plugging applications. It consists of two non-reversing contactors mechanically and electrically interlocked to prevent both contactors from being closed at the same time. This reversing contactor is complete with line, load and control terminals, main cross wiring, and one universal contact electrical interlock per contactor (a total of two on a complete unit).

For a typical application of a vertical and horizontal reversing contactor showing line, load and control connections, refer to the Wiring Diagrams. Customer connections are shown in dashed lines. The reversing pushbutton station shown is furnished separately.

This reversing contactor unit is intended to be applicable to numerous control schemes and also as a part of large control panels. Thus, to obtain maximum application flexibility for the unit, terminal marking and control wiring have been omitted but main cross wiring has been included.

## COILS

The A/200 Series Contactors are available with single or dual voltage coils. When equipped with single voltage coils the contactor is wired as shown in the Wiring Diagrams. A connection diagram for dual voltage coils is also shown. The contactor, when supplied with dual voltage coils, is normally wired for the high voltage connection. The wiring may be changed to the low voltage connection by removing and reconnecting the jumpers tagged C<sub>1</sub> - C<sub>4</sub> and C<sub>2</sub> - C<sub>3</sub>.

## CONTACTOR IDENTIFICATION

The A/200 Series reversing contactor is identified by CAT. NO. (shown on nameplate and carton).

The coil style number is marked on one end of the coil along with the voltage and frequency rating.

## L56 ELECTRICAL INTERLOCKS

Standard reversing assemblies are equipped with one universal contact interlock on each contactor. Two addi-

tional interlock units may be installed on each contactor (a total of four additional units on a complete reversing contactor assembly). All interlocks are mounted with no increase in panel area.

With the universal interlock, the control circuit is arranged to provide a holding circuit for the coil being energized and electrical interlocking for the opposing coil by means of one unit.

#### MAINTENANCE - NEMA SIZES 3 AND 4

Refer to Assembly Photo.

To remove contactor coil - loosen the two screws (8) located to the immediate left and right of the arc box and lift off the top section of the contactor assembly. The coil will normally be part of this section. Pull the coil (1) loose (disengage the coil stabs). If the assembly is part of an installation, it will be necessary to remove the cross-wiring connectors for greater freedom of movement. A new coil is installed by placing it in position on the magnet and then replacing the top half of the contactor. The coil is so

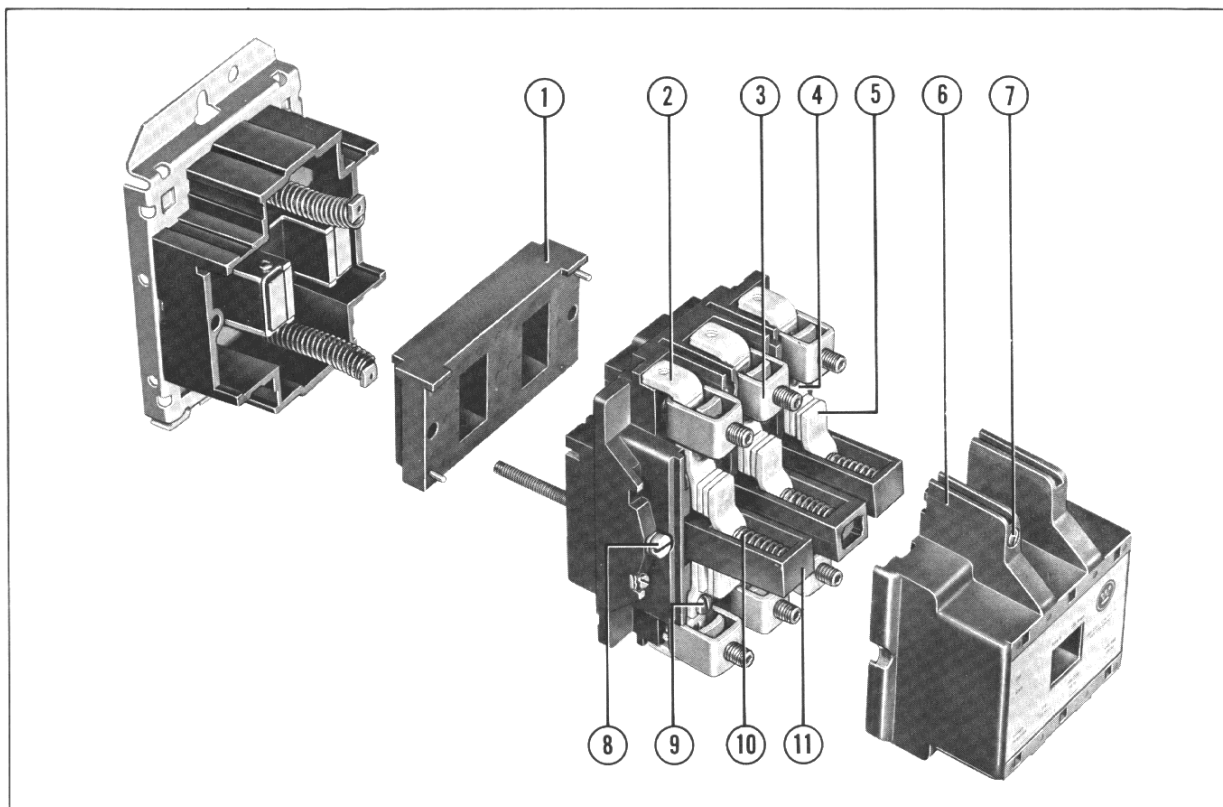
constructed that it is impossible to make an incorrect assembly. After the coil has been installed be sure the two assembly screws (8) are tight.

To replace contacts - loosen the two arc box assembly screws (7) located immediately above and below the nameplate and remove the arc box (6). Contacts are visible. Be sure to have a complete set of replacement contacts at hand. Then compress the overtravel spring (10) by displacing the moving contact carrier (5) from the crossbar (11). Stationary contact carriers (4) are removed by removing the retaining screw (9) and lifting out the carrier.

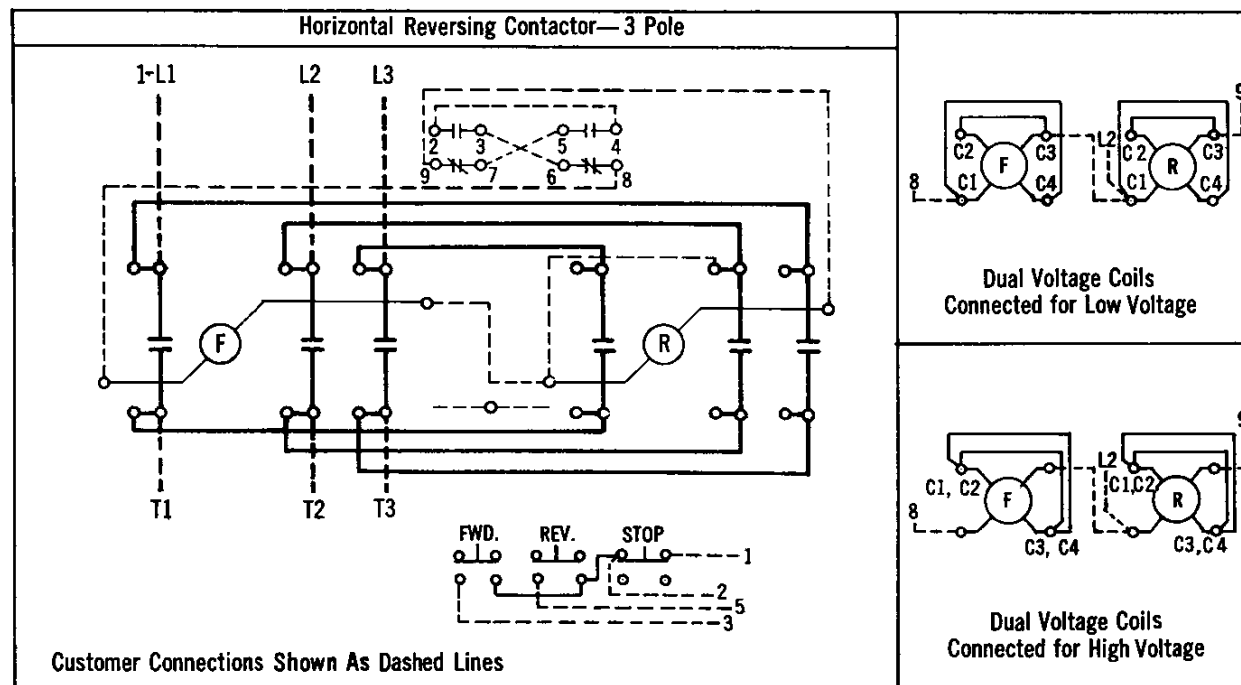
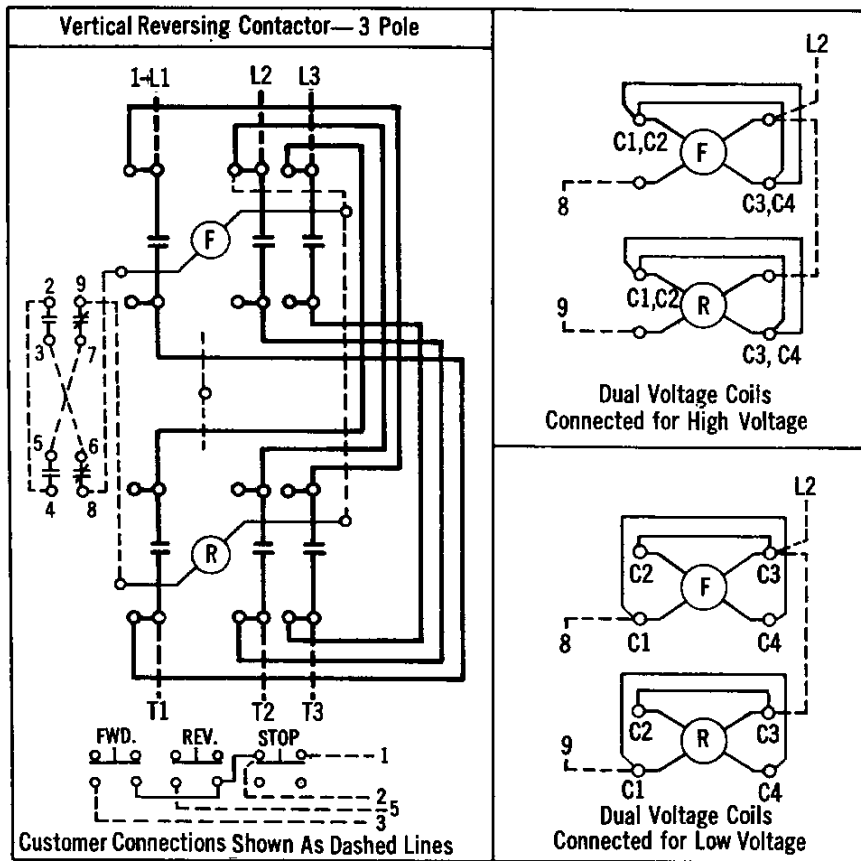
To replace the contact carriers, reverse the above procedure, making sure that stationary carriers are free to move, overtravel springs are seated and crossbar moves freely when arc box is in position.

The silver-cadmium oxide contact buttons need no dressing or lubricant throughout their life.

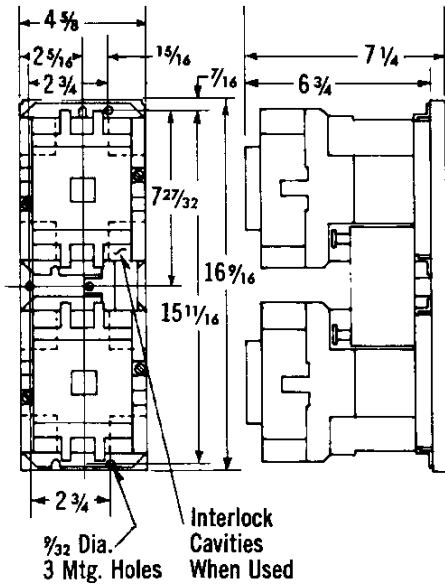
**CAUTION:** All contacts should be changed as a group to avoid mis-alignment of contacts.



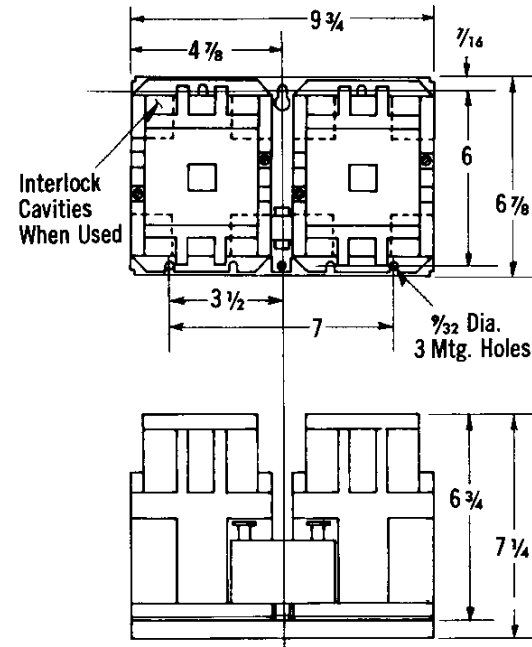
Contactor Assembly - Size 3 and 4



A/200 Series Reversing Contactor—Vertical 3 Pole



A/200 Series Reversing Contactor—Horizontal 3 Pole



Dimension Drawings, Size 3 or 4

Table I - Ratings

Volts	Size	Rating Amps	Max. HP Plugging or Inching Ser	Res. Heating Load in KW	Coil Volt Amp. Data 60 Cycle, 3 Pole	
		Tungsten Lamp Load	Poly- Phase	Poly- Phase	Open VA	Closed VA
110	3	60	10	17	625	50
	4	120	15	26	625	50
220	3	60	20	34	625	50
	4	120	30	52	625	50
440	3	60	30	68	625	50
	4	120	60	105	625	50
600	3	60	30	86	625	50
	4	120	60	130	625	50

Table II - Renewal Parts Kits

Size 3  
3 Pole Rev. Contactor Kit 626B187G13\*

Size 4  
3 Pole Rev. Contactor Kit 626B187G17\*

Kit includes moving and stationary contacts, contact springs, and screws.

\*This kit includes parts for one contactor - order two kits for complete replacement.

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