

# Heavy Duty Contactors

## 3-Phase, Class 40

Selection



### Ordering Information

- ▶ Replace the (\*) with a letter from the coil table. Dual voltage coils are wired on high voltage unless specified on order.
- ▶ Field Modification Kits see page 17-93.
- ▶ Factory Modifications see page 17-108.
- ▶ Dimensions see pages 17-120 open and 17-129 enclosed.
- ▶ Wiring Diagrams see page 17-155.
- ▶ Replacement Parts see page 17-170.

### Coil Table

60Hz Voltage	Letter
24 Separate Control	J
120 Separate Control	F
110-120/220-240 <sup>①</sup>	A
200-208	D
220-240	G
277	L
220-240/440-480 <sup>①</sup>	C
440-480	H
575-600	E

For other voltages and frequencies, see Factory Modifications page 17-108.

### Open Type & Standard Width Enclosure, 3-Phase, 3-Pole

Max Hp				Contactor Amp Rating	NEMA Size	Half Size	Enclosure											
200 Volts	230 Volts	460 Volts	575 Volts				Open Type <sup>④</sup>		NEMA 1 General Purpose		NEMA 4/4X Stainless <sup>②</sup> Watertight, Dust-tight Corrosion Resistant 304 Stainless Steel		NEMA 4X Fiberglass Watertight, Dust-tight Corrosion Resistant		NEMA 7 & 9 NEMA 3 & 4 Div 1 and Div 2 Class I Groups C & D Class II Groups E, F & G Class III Bolted Enclosures Indoor/Outdoor Use		NEMA 12 <sup>②</sup> NEMA 3/3R Industrial Use Weatherproof	
200 Volts	230 Volts	460 Volts	575 Volts	Amp Rating	NEMA Size	Half Size	Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$
1½	1½	2	2	9	00	—	40BP32A*		40BP32B*		Use Size 0	—	Use Size 0	—	Use Size 0	—	Use Size 0	—
3	3	5	5	18	0	—	40CP32A*		40CP32B*		40CP32W*		40CP32F*		40CP32H*		40CP32O*	
7½	7½	10	10	27	1	—	40DP32A*		40DP32B*		40DP32W*		40DP32F*		40DP32H*		40DP32O*	
10	10	15	15	40	—	1¼	40EP32A*		40EP32B*		40EP32W*		40EP32F*		40EP32H*		40EP32O*	
10	15	25	25	45	2	—	40FP32A*		40FP32B*		40FP32W*		40FP32F*		40FP32H*		40FP32O*	
15	20	30	30	60	—	2½	40GP32A*		40GP32B*		40GP32W*		40GP32F*		40GP32H*		40GP32O*	
25	30	50	50	90	3	—	40HP32A*		40HP32B*		40HP32W*		40HP32F*		40HP32H*		40HP32O*	
30	40	75	75	115	—	3½	40IP32A*		40IP32B*		40IP32W*		40IP32F*		40IP32H*		40IP32O*	
40	50	100	100	135	4	—	40JG32A*		40JG32B*		40JG32W*		40JG32F*		40JG32H*		40JG32O*	
75	100	200	200	270	5	—	40LP32A*		40LP32B*		40LP32W* <sup>③</sup>		—	—	40LP32H*		40LP32O*	
150	200	400	400	540	6	—	40MP32A*		40MP32B*		40MP32E* <sup>③</sup>		—	—	—	—	40MP32O*	
—	300	600	600	810	7 <sup>④</sup>	—	40NH32A*		40NH32B*		40NH32E* <sup>③</sup>		—	—	—	—	40NH32O*	
—	450	900	900	1215	8 <sup>⑤</sup>	—	40PH32A*		40PH32B*		40PH32E* <sup>③</sup>		—	—	—	—	40PH32O*	

### Extra Wide Enclosure, 3-Phase, 3-Pole

Max Hp				Contactor Amp Range	NEMA Size	Half Size	Enclosure							
200 Volts	230 Volts	460 Volts	575 Volts				NEMA 1 <sup>④</sup> General Purpose		NEMA 4/4X Stainless <sup>②</sup> Watertight, Dust-tight Corrosion Resistant 304 Stainless Steel		NEMA 7 & 9 NEMA 3 & 4 Div 1 and Div 2 Class I Groups C & D Class II Groups E, F & G Class III Bolted Enclosures Indoor/Outdoor Use		NEMA 12 <sup>②</sup> NEMA 3/3R Industrial Use Weatherproof	
200 Volts	230 Volts	460 Volts	575 Volts	Amp Range	NEMA Size	Half Size	Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$
1½	1½	2	2	9	00	—	40BP82B*		Use Size 0	—	Use Size 0	—	Use Size 0	—
3	3	5	5	18	0	—	40CP82B*		40CP82W*		40CP82H*		40CP82O*	
7½	7½	10	10	27	1	—	40DP82B*		40DP82W*		40DP82H*		40DP82O*	
10	10	15	15	40	—	1¼	40EP82B*		40EP82W*		40EP82H*		40EP82O*	
10	15	25	25	45	2	—	40FP82B*		40FP82W*		40FP82H*		40FP82O*	
15	20	30	30	60	—	2½	40GP82B*		40GP82W*		40GP82H*		40GP82O*	
25	30	50	50	90	3	—	40HP82B*		40HP82W*		40HP82H*		40HP82O*	
30	40	75	75	115	—	3½	40IP82B*		40IP82W*		40IP82H*		40IP82O*	
40	50	100	100	135	4	—	40JG82B*		40JG82W*		40JG82H*		40JG82O*	

Note: Hp's shown above are based on the overload amp range for the FLA's (per the National Electric Code) of typical industrial motors. All starter sizes carry one maximum Hp rating.

- ① Dual voltage coils not available in size 5-8 starters.
- ② For conduit hubs and conversion instructions, see page 17-99.

③ Enclosure is NEMA Type 4 (painted steel).

- ④ Only available  
F coil 100-250V AC 50/60Hz, or DC  
H coil 150-500V AC 50/60Hz, or DC

- ⑤ Only available  
F coil 100-250V AC 50/60Hz, or DC


Standard Auxiliary Contacts			
Type	Size (3rd Character)	Configuration	Internal / External
All FVNR Starters & Contactors	B Thru E	1N.O.	Internal
	F Thru J	1N.O.	External
	L Thru M	2N.O., 2N.C.	External
	N Thru P	1N.O., 1N.C.	External

⑦ Lugs are not included, refer to page 17-97.

# Heavy Duty Contactors

## Single Phase, 4-Pole & Vacuum, Class 40

Selection

	<b>Ordering Information</b>	<b>Coil Table</b>																			
	<ul style="list-style-type: none"> <li>▶ Replace the (*) with a letter from the coil table. Dual voltage coils are wired on high voltage unless specified on order.</li> <li>▶ Field Modification Kits see page 17-93.</li> <li>▶ Factory Modifications see page 17-108.</li> <li>▶ Dimensions see pages 17-120 open and 17-129 enclosed.</li> <li>▶ Wiring Diagrams see page 17-155.</li> <li>▶ Replacement Parts see page 17-170.</li> </ul>	<table border="1"> <thead> <tr> <th>60Hz Voltage</th> <th>Letter</th> </tr> </thead> <tbody> <tr> <td>24 Separate Control</td> <td>J</td> </tr> <tr> <td>120 Separate Control</td> <td>F</td> </tr> <tr> <td>110-120/220-240<sup>①</sup></td> <td>A</td> </tr> <tr> <td>200-208</td> <td>D</td> </tr> <tr> <td>220-240</td> <td>G</td> </tr> <tr> <td>277</td> <td>L</td> </tr> <tr> <td>220-240/440-480<sup>①</sup></td> <td>C</td> </tr> <tr> <td>440-480</td> <td>H</td> </tr> <tr> <td>575-600</td> <td>E</td> </tr> </tbody> </table> <p>For other voltages and frequencies, see Factory Modifications page 17-108.</p>	60Hz Voltage	Letter	24 Separate Control	J	120 Separate Control	F	110-120/220-240 <sup>①</sup>	A	200-208	D	220-240	G	277	L	220-240/440-480 <sup>①</sup>	C	440-480	H	575-600
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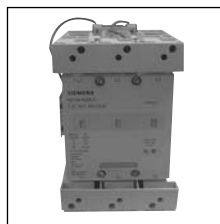
### Open Type & Standard Width Enclosure, Single Phase, 2-Pole<sup>③④</sup>

Max Hp					Enclosure											
115 Volts	208/230 Volts	Contactor Amp Rating	NEMA Size	Half Size	Open Type <sup>⑤</sup>		NEMA 1 General Purposes		NEMA 4/4X Stainless <sup>②</sup> Watertight, Dust-tight Corrosion Resistant		NEMA 4X Fiberglass Watertight, Dust-tight Corrosion Resistant 304 Stainless Steel		NEMA 7 & 9 NEMA 3 & 4 Div 1 and Div 2 Class I Groups C & D Class II Groups E, F & G Class III Bolted Enclosure Indoor/Outdoor Use		NEMA 12 NEMA 3/3R <sup>⑥</sup> Industrial Use Weatherproof	
					Catalog No	List Price \$	Catalog No	List Price \$	Catalog No	List Price \$	Catalog No	List Price \$	Catalog No	List Price \$	Catalog No	List Price \$
1/2	1	9	00	—	40BP12A*	40BP12B*	Use Size 0	—	Use Size 0	—	Use Size 0	—	Use Size 0	—	Use Size 0	—
1	2	18	0	—	40CP12A*	40CP12B*	40CP12W*	—	40CP12F*	—	40CP12H*	—	40CP12J*	—	40CP12K*	—
2	3	27	1	—	40DP12A*	40DP12B*	40DP12W*	—	40DP12F*	—	40DP12H*	—	40DP12J*	—	40DP12K*	—
3	5	35	1P	—	40EP12A*	40EP12B*	40EP12W*	—	40EP12F*	—	40EP12H*	—	40EP12J*	—	40EP12K*	—
3	7 1/2	45	2	—	40FP12A*	40FP12B*	40FP12W*	—	40FP12F*	—	40FP12H*	—	40FP12J*	—	40FP12K*	—
5	10	60	—	2 1/2	40GP12A*	40GP12B*	40GP12W*	—	40GP12F*	—	40GP12H*	—	40GP12J*	—	40GP12K*	—
7 1/2	15	90	3	—	40HP12A*	40HP12B*	40HP12W*	—	40HP12F*	—	40HP12H*	—	40HP12J*	—	40HP12K*	—
—	—	115	—	3 1/2	40IP12A*	40IP12B*	40IP12W*	—	40IP12F*	—	40IP12H*	—	40IP12J*	—	40IP12K*	—
—	—	135	4	—	40JG12A*	40JG12B*	40JG12W*	—	40JG12F*	—	40JG12H*	—	40JG12J*	—	40JG12K*	—

### Open Type & Standard Width Enclosure, 4-Pole

Max Hp					Enclosure													
200 Volts	230 Volts	460 Volts	575 Volts	Contactor Amp Rating	NEMA Size	Half Size	Open Type		NEMA 1 General Purpose		NEMA 4/4X Stainless <sup>②</sup> Watertight, Dust-tight Corrosion Resistant 304 Stainless Steel		NEMA 4X Fiberglass Watertight, Dust-tight Corrosion Resistant		NEMA 7 & 9 NEMA 3 & 4 Div 1 and Div 2 Class I Groups C & D Class II Groups E, F & G Class III Bolted Enclosure Indoor/Outdoor Use		NEMA 12 NEMA 3/3R <sup>⑥</sup> Industrial Use Weatherproof	
							Catalog No	List Price \$	Catalog No	List Price \$	Catalog No	List Price \$	Catalog No	List Price \$	Catalog No	List Price \$	Catalog No	List Price \$
1/2	1 1/2	2	2	9	00	—	40BP22A*	40BP22B*	Use Size 0	—	Use Size 0	—	Use Size 0	—	Use Size 0	—	Use Size 0	—
2	3	5	5	18	0	—	40CP22A*	40CP22B*	40CP22W*	—	40CP22F*	—	40CP22H*	—	40CP22J*	—	40CP22K*	—
3	7 1/2	10	10	27	1	—	40DP22A*	40DP22B*	40DP22W*	—	40DP22F*	—	40DP22H*	—	40DP22J*	—	40DP22K*	—
5	10	15	15	40	—	1 1/4	40EP22A*	40EP22B*	40EP22W*	—	40EP22F*	—	40EP22H*	—	40EP22J*	—	40EP22K*	—

### Vacuum Contactors, 3-Phase, 3-Pole<sup>①</sup>



Max Hp	200V				Contactor Amp Rating	NEMA Size	Open Type	
	230V	460V	575V	Catalog Number			List Price \$	
40	50	100	100	135	4	40JV32A*		
75	100	200	200	270	5	40LV32A*		
150	200	400	400	540	6	40MV32A*		

Note: Hp's shown above are based on the overload amp range for the FLA's (per the National Electric Code) of typical industrial motors. All starter sizes carry one maximum Hp rating.

① Dual voltage coils not available for vacuum contactors. Refer to Page 17-108 for a complete list of available coil voltages.

② For conduit hubs and conversion instructions, see page 17-99.

③ To order single phase contactor in an extra wide enclosure, order the enclosure kit from Page 17-102 and the open style contactor as separate items.

④ Coils D, F, or G will be wired for incoming voltage. J coil will be wired for separate source. Coils E, H, and L do not apply to single phase starters.

⑤ 1 NO Auxiliary.