

# Pump Controllers

Pump control panels for outdoor irrigation and oil well applications

C  
Simplex & Duplex Pump Panels

Sprecher + Schuh pump control panels are specifically designed to meet Combination starter requirements in demanding outdoor environmental conditions. Typical applications include irrigation and waste water treatment as well as oil well and agricultural applications.

Pump Controllers from Sprecher + Schuh offer through-the-door operators and rugged Type 3R rain-proof metal or Type 4X non-metallic enclosures. These enclosures in some cases are somewhat smaller than previous models but still with adequate room to mount a mechanical timer and other customer supplied controls.



## Three models of Pump Controllers

- **Thermal-magnetic circuit breakers (MCCB)** instead of a motor circuit protector (MCP) to comply with short-circuit requirements from UL and NEC.
- **Heavy duty fusible or non-fusible L11 disconnect switches** provide improved short-circuit protection when used with J fuses.
- **Self-protected Combination Controllers (Type E) KTA7** models which offer superior fuseless short-circuit protection in a smaller more economical package (See page F111).

Pump panels feature our CA7 and CA9 line of contactors which are UL Listed and sized to match all the available HP sizes of motors. Alternately, we can provide NEMA Sized (CAN7) contactors, which comply with all requirements by UL and are labeled with the applicable NEMA (00, 0, 1, 2, or 3) size in our pump panels. Our MCCB models and the L11 models utilize the CEP7 solid state overload relay providing state-of-the-art overload and single-phase protection. See Section B in this catalog for a full description of these excellent motor protection relays.



Our KTA7 model utilizes the high speed current limiting capabilities providing short-circuit protection, branch-circuit disconnect, and overload protection in one compact device. See Section F in this catalog for application details for these Type E Combos.

## Standard or Customized Features

Standard pump controllers are equipped with START pushbutton and H-O-A selector switch. The entire assembly is mounted in an outdoor enclosure with provision for mounting on a pole or a wall and top conduit provisions. Oversized enclosures can be provided for each of the pump controllers to accommodate extra equipment. Our factory modification section lists many of the options that are commonly requested. A customized pump controller quotation including door-in-door (dead-front) models, reduced voltage models and models with customized control diagrams can be provided on demand by contacting your Sprecher + Schuh representative.



### Series CAPT7 and CAPT9 with Thermal-Magnetic Circuit Breaker

| Maximum Horsepower Three Phase |      |      | MCCB Amps | Type 3R Rainproof Metal |          | D I M | Type 4X Watertight Corrosion Resistant Non-Metallic |       | D I M |
|--------------------------------|------|------|-----------|-------------------------|----------|-------|---|-------|-------|
| 230V                           | 460V | 575V |           | Catalog No.             | Price    |       | Catalog No.   | Price |       |
| 2                              | 5    | ~    | 15        | CAPT                    |          |       | CAPT  |       |       |
| 2                              | 5    | 5    | 15        | 7-9-*◆-TB15R0           | 1,657.68 | R2    | 7-9-*◆-TB15C0                                       | R/F   | R/F   |
| 2                              | 5    | 5    | 15        | 7-9-*◆-TBH15R0          | 1,805.87 | R2    | 7-9-*◆-TBH15C0                                      | R/F   | R/F   |
| ~                              | ~    | 7.5  | 20        | 7-9-*◆-TBH20R0          | 1,805.87 | R2    | 7-9-*◆-TBH20C0                                      | R/F   | R/F   |
| 3                              | 7.5  | ~    | 20        | 7-12-*◆-TB20R0          | 1,698.56 | R2    | 7-12-*◆-TB20C0                                      | R/F   | R/F   |
| 3                              | 7.5  | 10   | 20        | 7-12-*◆-TBH20R0         | 1,847.78 | R2    | 7-12-*◆-TBH20C0                                     | R/F   | R/F   |
| 5                              | 10   | ~    | 30        | 7-16-*◆-TB30R0          | 1,740.47 | R2    | 7-16-*◆-TB30C0                                      | R/F   | R/F   |
| ~                              | ~    | 15   | 35        | 7-23-*◆-TBH35R0         | 1,930.56 | R2    | 7-23-*◆-TBH35C0                                     | R/F   | R/F   |
| 7.5                            | 15   | ~    | 40        | 7-23-*◆-TB40R0          | 1,782.37 | R2    | 7-23-*◆-TB40C0                                      | R/F   | R/F   |
| 10                             | 20   | 25   | 50        | 7-30-*◆-TB50R0          | 1,906.03 | R2    | 7-30-*◆-TB50C0                                      | R/F   | R/F   |
| 10                             | 20   | 25   | 50        | 7-30-*◆-TBH50R0         | R/F      | R2    | 7-30-*◆-TBH50C0                                     | R/F   | R/F   |
| ~                              | 25   | 30   | 60        | 7-37-*◆-TB60R0          | 1,947.93 | R2    | 7-37-*◆-TB60C0                                      | R/F   | R/F   |
| ~                              | 25   | 30   | 60        | 7-37-*◆-TBH60R0         | R/F      | R2    | 7-37-*◆-TBH60C0                                     | R/F   | R/F   |
| ~                              | 30   | ~    | 70        | 7-43-*◆-TB70R0          | 2,196.28 | R2    | 7-43-*◆-TB70C0                                      | R/F   | R/F   |
| 15                             | ~    | ~    | 80        | 7-43-*◆-TB80R0          | 2,196.28 | R2    | 7-43-*◆-TB80C0                                      | R/F   | R/F   |
| 20                             | 40   | 40   | 80        | 7-55-*◆-TB80R0          | 2,267.82 | R2    | 7-55-*◆-TB80C0                                      | R/F   | R/F   |
| 20                             | 40   | 40   | 80        | 7-55-*◆-TBH80R0         | 2,437.47 | R2    | 7-55-*◆-TBH80C0                                     | R/F   | R/F   |
| ~                              | ~    | 40   | 80        | 7-60-*◆-TB80R0          | 2,320.96 | R2    | 7-60-*◆-TB80C0                                      | R/F   | R/F   |
| ~                              | ~    | 40   | 80        | 7-60-*◆-TBH80R0         | R/F      | R2    | 7-60-*◆-TBH80C0                                     | R/F   | R/F   |
| 20                             | 40   | 50   | 100       | 7-60-*◆-TB100R0         | 2,320.96 | R2    | 7-60-*◆-TB100C0                                     | R/F   | R/F   |
| 20                             | 40   | 50   | 100       | 7-60-*◆-TBH100R0        | R/F      | R2    | 7-60-*◆-TBH100C0                                    | R/F   | R/F   |
| 25                             | 50   | 60   | 125       | 7-72-*◆-TB125R0         | 2,858.53 | R2    | 7-72-*◆-TB125C0                                     | R/F   | R/F   |
| 25                             | 50   | 60   | 125       | 7-72-*◆-TBH125R0        | R/F      | R2    | 7-72-*◆-TBH125C0                                    | R/F   | R/F   |
| 30                             | 60   | ~    | 125       | 7-85-*◆-TB125R0         | 2,900.44 | R2    | 7-85-*◆-TB125C0                                     | R/F   | R/F   |
| ~                              | ~    | 75   | 150       | 7-97-*◆-TB150R0         | 3,018.99 | R2    | 7-97-*◆-TB150C0                                     | R/F   | R/F   |
| ~                              | ~    | 75   | 150       | 7-97-*◆-TBH150R0        | 3,167.18 | R2    | 7-97-*◆-TB150C0                                     | R/F   | R/F   |
| ~                              | 75   | ~    | 175       | 7-97-*◆-TB175R0         | 3,018.99 | R2    | 7-97-*◆-TB175C0                                     | R/F   | R/F   |
| ~                              | 75   | ~    | 175       | 9-116-*◆-TB175R0        | R/F      | T     | 9-116-*◆-TB175C0                                    | R/F   | R/F   |
| 40                             | ~    | 100  | 200       | 9-116-*◆-TB200R0        | R/F      | T     | 9-116-*◆-TB200C0                                    | R/F   | R/F   |
| ~                              | 100  | 125  | 225       | 9-146-*◆-TB225R0        | R/F      | T     | 9-146-*◆-TB225C0                                    | R/F   | R/F   |
| 50                             | ~    | ~    | 250       | 9-146-*◆-TB250R0        | R/F      | T     | 9-146-*◆-TB250C0                                    | R/F   | R/F   |
| 60                             | 125  | 150  | 300       | 9-190-*◆-TB300R0        | R/F      | T     | 9-190-*◆-TB300C0                                    | R/F   | R/F   |
| 75                             | 150  | 200  | 350       | 9-205-*◆-TB350R0        | R/F      | I     | 9-205-*◆-TB350C0                                    | R/F   | R/F   |
| ~                              | 175  | ~    | 400       | 9-265-*◆-TB400R0        | R/F      | I     | 9-265-*◆-TB400C0                                    | R/F   | R/F   |
| 100                            | 200  | 250  | 450       | 9-265-*◆-TB450R0        | R/F      | I     | 9-265-*◆-TB450C0                                    | R/F   | R/F   |
| ~                              | ~    | ~    | 500       | 9-305-*◆-TB500R0        | R/F      | I     | 9-305-*◆-TB500C0                                    | R/F   | R/F   |
| 125                            | 250  | 300  | 600       | 9-305-*◆-TB600R0        | R/F      | I     | 9-305-*◆-TB600C0                                    | R/F   | R/F   |
| ~                              | ~    | 350  | 600       | 9-370-*◆-TB600R0        | R/F      | I     | 9-370-*◆-TB600C0                                    | R/F   | R/F   |
| 150                            | 300  | ~    | 700       | 9-370-*◆-TB700R0        | R/F      | I     | 9-370-*◆-TB700C0                                    | R/F   | R/F   |
| 150                            | ~    | 400  | 700       | 9-400-EI-*◆-TB700R0     | R/F      | J     | 9-400-EI-*◆-TB700C0                                 | R/F   | R/F   |
| ~                              | 350  | ~    | 800       | 9-400-EI-*◆-TB800R0     | R/F      | J     | 9-400-EI-*◆-TB800C0                                 | R/F   | R/F   |
| ~                              | ~    | ~    | 800       | 9-460-EI-*◆-TB800R0     | R/F      | J     | 9-460-EI-*◆-TB800C0                                 | R/F   | R/F   |
| 200                            | 400  | 500  | 1000      | 9-460-EI-*◆-TB1000R0    | R/F      | J     | 9-460-EI-*◆-TB1000C0                                | R/F   | R/F   |
| ~                              | ~    | 600  | 1000      | 9-580-EI-*◆-TB1000R0    | R/F      | R/F   | 9-580-EI-*◆-TB1000C0                                | R/F   | R/F   |
| 250                            | 500  | ~    | 1200      | 9-580-EI-*◆-TB1200R0    | R/F      | R/F   | 9-580-EI-*◆-TB1200C0                                | R/F   | R/F   |

Larger sizes available. Contact your Sprecher + Schuh representative.

### Ordering Instructions

|                                 |                     |
|---------------------------------|---------------------|
| Specify Catalog Number          |                     |
| Replace (*) with Coil Code      | See page C104       |
| Replace (◆) with O/L Relay      | See pages C105-C106 |
| Factory Modifications available | See pages C107-C111 |

### Pump Panel with Circuit Breaker includes:

- Contactor (with AC coil)
- Overload relay protection
- Thermal magnetic circuit breaker
- "START" momentary pushbutton
- "H-O-A" selector switch
- At minimum, 6"x10" extra back pan space
- UL type rated enclosure



R/F - Experience has shown that applications using non-metallic enclosures often require customized pump panels (i.e. Door-in-Door or unique control circuits). Contact your Sprecher + Schuh representative for a customized price.

**NOTE:** Catalog Numbers, list Prices and enclosure dimensions reflect contactors with AC coils. For DC coils, select Coil Code from the DC Coil Code table on page C104 and follow the instructions for modifying Catalog Numbers.

- ① Dimensional information starts on page C122.
- ② Applicable to 600Y/347V only.
- ③ The short circuit and kAIC is relegated to the contactor's 10kA. Contact your Sprecher + Schuh representative for a higher kAIC.
- ④ CAT9-116...CAT9-370 starters are available with "EI" option for PLC interface. Change catalog number to include "-EI". Example: CAPT9-116-\*◆-TB175R0 becomes CAPT9-116-EI-\*◆-TB175R0. See page C104 for price adder.

#### Series CAPT7 and CAPT9 with Fusible Disconnect (J-Type) ②③

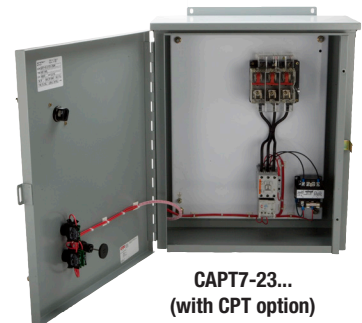
| Maximum Horsepower<br>Three Phase |      |      | Fuse<br>Clips | Type 3R<br>Rainproof Metal | D<br>I<br>M | Type 4X<br>Watertight<br>Corrosion Resistant<br>Non-metallic | D<br>I<br>M |
|-----------------------------------|------|------|---------------|----------------------------|-------------|--|-------------|
| 230V                              | 460V | 575V |               | Catalog No.                |             | Price ①  |             |
|                                   |      |      |               | <b>CAPT</b>                |             | <b>CAPT</b>  |             |
| 2                                 | 5    | 7.5  | 30            | 7-9-*◆-JF61R0              | 1,533.00 R2 | 7-9-*◆-JF61C0  | R/F R/F     |
| 3                                 | 7.5  | 10   | 30            | 7-12-*◆-JF61R0             | 1,573.88 R2 | 7-12-*◆-JF61C0   | R/F R/F     |
| 5                                 | 10   | 15   | 30            | 7-16-*◆-JF61R0             | 1,615.78 R2 | 7-16-*◆-JF61C0   | R/F R/F     |
| ~                                 | ~    | ~    | 30            | 7-23-*◆-JF61R0             | 1,657.68 R2 | 7-23-*◆-JF61C0   | R/F R/F     |
| 7.5                               | 15   | 15   | 60            | 7-23-*◆-JF62R0             | 1,740.47 R2 | 7-23-*◆-JF62C0   | R/F R/F     |
| 10                                | 20   | 25   | 60            | 7-30-*◆-JF62R0             | 1,864.13 R2 | 7-30-*◆-JF62C0   | R/F R/F     |
| 10                                | 25   | 30   | 60            | 7-37-*◆-JF62R0             | 1,906.03 R2 | 7-37-*◆-JF62C0   | R/F R/F     |
| ~                                 | 30   | 30   | 60            | 7-43-*◆-JF62R0             | 1,947.93 R2 | 7-43-*◆-JF62C0   | R/F R/F     |
| 15                                | ~    | ~    | 100           | 7-43-*◆-JF63R0             | 2,527.41 R2 | 7-43-*◆-JF63C0   | R/F R/F     |
| ~                                 | ~    | 40   | 60            | 7-55-*◆-JF62R0             | 2,212.63 R2 | 7-55-*◆-JF62C0   | R/F R/F     |
| 20                                | 40   | ~    | 100           | 7-55-*◆-JF63R0             | 2,626.54 R2 | 7-55-*◆-JF63C0   | R/F R/F     |
| ~                                 | ~    | 40   | 60            | 7-60-*◆-JF62R0             | 2,244.31 R2 | 7-60-*◆-JF62C0   | R/F R/F     |
| 20                                | 40   | 50   | 100           | 7-60-*◆-JF63R0             | 2,652.09 R2 | 7-60-*◆-JF63C0   | R/F R/F     |
| 25                                | 50   | 60   | 100           | 7-72-*◆-JF63R0             | 2,693.99 R2 | 7-72-*◆-JF63C0   | R/F R/F     |
| ~                                 | ~    | 60   | 100           | 7-85-*◆-JF63R0             | 2,734.87 R2 | 7-85-*◆-JF63C0   | R/F R/F     |
| 30                                | 60   | ~    | 200           | 7-85-*◆-JF64R0             | 3,646.5 H   | 7-85-*◆-JF64C0   | R/F R/F     |
| 30                                | 75   | 75   | 200           | 7-97-*◆-JF64R0             | 3,765.05 H  | 7-97-*◆-JF64C0   | R/F R/F     |
| 40                                | 75   | 100  | 200           | 9-116-*◆-JF64R0 ④          | R/F H       | 9-116-*◆-JF64C0 ④  | R/F R/F     |
| 50                                | 100  | 125  | 200           | 9-146-*◆-JF64R0 ④          | R/F H       | 9-146-*◆-JF64C0 ④  | R/F R/F     |
| 60                                | 125  | 150  | 400           | 9-190-*◆-JF65R0 ④          | R/F J       | 9-190-*◆-JF65C0 ④  | R/F R/F     |
| 75                                | 150  | 200  | 400           | 9-205-*◆-JF65R0 ④          | R/F J       | 9-205-*◆-JF65C0 ④  | R/F R/F     |
| 100                               | 200  | 250  | 400           | 9-265-*◆-JF65R0 ④          | R/F J       | 9-265-*◆-JF65C0 ④  | R/F R/F     |
| 125                               | 250  | 300  | 600           | 9-305-*◆-JF66R0 ④          | R/F R/F     | 9-305-*◆-JF66C0 ④  | R/F R/F     |
| 150                               | 300  | 350  | 600           | 9-370-*◆-JF66R0 ④          | R/F R/F     | 9-370-*◆-JF66C0 ④  | R/F R/F     |
| 150                               | ~    | 400  | 600           | 9-400-EI-*◆-JF66R0         | R/F R/F     | 9-400-EI-*◆-JF66C0   | R/F R/F     |
| ~                                 | 350  | ~    | 800           | 9-400-EI-*◆-JF67R0         | R/F R/F     | 9-400-EI-*◆-JF67C0   | R/F R/F     |
| 200                               | 400  | 500  | 800           | 9-460-EI-*◆-JF67R0         | R/F R/F     | 9-460-EI-*◆-JF67C0   | R/F R/F     |

Larger sizes available. Contact your Sprecher + Schuh representative.

**NOTE:** Catalog Numbers, list Prices and enclosure dimensions reflect contactors with AC coils. For DC coils, select Coil Code from the DC Coil Code table on page C104 and follow the instructions for modifying Catalog Numbers.

#### Pump Panel with Disconnect Switch includes:

- Contactor (with AC coil)
- Overload relay protection
- J-type fusible disconnect switch (excluding line fuses)
- "START" momentary pushbutton
- "H-O-A" selector switch
- At minimum, 6"x10" extra back pan space
- UL type rated enclosure



CAPT7-23...  
(with CPT option)

**R/F** - Experience has shown that applications using non-metallic enclosures often require customized pump panels (i.e. Door-in-Door or unique control circuit). Contact your Sprecher + Schuh representative for a customized price.

#### Ordering Instructions

|                                 |                     |
|---------------------------------|---------------------|
| Specify Catalog Number          |                     |
| Replace (*) with Coil Code      | See page C104       |
| Replace (◆) with O/L Relay      | See pages C105-C106 |
| Factory Modifications available | See pages C107-C111 |

- ① Dimensional information starts on page C122.
- ② Fusible combo starters use the L11 Disconnect. Fuse clips accept "J" type fuses. Power fuses not supplied.
- ③ A Red and Yellow Handle may be selected instead of the standard Gray and Black handle. Change "JF" to "LF" in catalog number.
- ④ CAT9-116...CAT9-370 starters are available with "EI" option for PLC interface. Change catalog number to include "-EI". Example: CAPT9-116-\*◆-JF64R0 becomes CAPT9-116-EI-\*◆-JF64R0. See page C104 for price adder.

**Series CAPTN7 with Thermal-Magnetic Circuit Breaker**

| NEMA Size | Maximum Horsepower Three Phase |      |      | MCCB Amps | Type 3R Rainproof Metal | Price    | D I M | Type 4X Watertight Corrosion Resistant Non-Metallic | Price | D I M |
|-----------|--------------------------------|------|------|-----------|-------------------------|----------|-------|---|-------|-------|
|           | 230V                           | 460V | 575V |           | Catalog No.             |          |       | ① Catalog No.                                       |       |       |
|           |                                |      |      |           | <b>CAPTN</b>            |          |       | <b>CAPTN</b>  |       |       |
| 00        | 1-1/2                          | 2    | 2 ④  | 15        | 7-12-*◆-TB15R0          | 2,548.87 | R2    | 7-12-*◆-TB15C0                                      | R/F   | R/F   |
|           | 1-1/2                          | 2    | 2    | 15        | 7-12-*◆-TBH15R0         | 2,771.66 | R2    | 7-12-*◆-TBH15C0                                     | R/F   | R/F   |
| 0         | 2                              | 5    | 5 ④  | 15        | 7-16-*◆-TB15R0          | 2,611.21 | R2    | 7-16-*◆-TB15C0                                      | R/F   | R/F   |
|           | 2                              | 5    | 5    | 15        | 7-16-*◆-TBH15R0         | 2,834.01 | R2    | 7-16-*◆-TBH15C0                                     | R/F   | R/F   |
|           | 3                              | ~    | ~    | 20        | 7-16-*◆-TB20R0          | ~        | R2    | 7-16-*◆-TB20C0                                      | R/F   | R/F   |
|           | 3                              | ~    | ~    | 20        | 7-16-*◆-TBH20R0         | ~        | R2    | 7-16-*◆-TBH20C0                                     | R/F   | R/F   |
| 1         | 7-1/2                          | ~    | ~    | 40        | 7-37-*◆-TB40R0          | 2,920.88 | R2    | 7-37-*◆-TB40C0                                      | R/F   | R/F   |
|           | ~                              | 10   | ~    | 30        | 7-37-*◆-TB30R0          | 2,920.88 | R2    | 7-37-*◆-TB30C0                                      | R/F   | R/F   |
|           | ~                              | ~    | 10 ④ | 20        | 7-37-*◆-TB20R0          | 2,920.88 | R2    | 7-37-*◆-TB20C0                                      | R/F   | R/F   |
|           | ~                              | ~    | 10   | 20        | 7-37-*◆-TBH20R0         | ~        | R2    | 7-37-*◆-TBH20C0                                     | R/F   | R/F   |
| 2         | ~                              | ~    | 25 ④ | 50        | 7-43-*◆-TB50R0          | 3,280.62 | R2    | 7-43-*◆-TB50C0                                      | R/F   | R/F   |
|           | ~                              | ~    | 25   | 50        | 7-43-*◆-TBH50R0         | 3,503.42 | R2    | 7-43-*◆-TBH50C0                                     | R/F   | R/F   |
|           | ~                              | 25   | ~    | 60        | 7-43-*◆-TB60R0          | 3,280.62 | R2    | 7-43-*◆-TB60C0                                      | R/F   | R/F   |
|           | 15                             | ~    | ~    | 80        | 7-43-*◆-TB80R0          | 3,503.42 | R2    | 7-43-*◆-TB80C0                                      | R/F   | R/F   |
| 3         | 20                             | 40   | 50 ④ | 100       | 7-85-*◆-TB100R0         | 4,350.65 | R2    | 7-85-*◆-TB100C0                                     | R/F   | R/F   |
|           | 20                             | 40   | 50   | 100       | 7-85-*◆-TBH100R0        | 4,573.45 | R2    | 7-85-*◆-TBH100C0                                    | R/F   | R/F   |
|           | 30                             | 50   | ~    | 125       | 7-85-*◆-TB125R0         | 4,350.65 | R2    | 7-85-*◆-TB125C0                                     | R/F   | R/F   |

**Pump Panel with NEMA label includes:**

- NEMA labeled contactor (with AC coil)
- Overload relay protection
- Appropriate disconnect means thermal magnetic circuit breaker) or J-type fusible disconnect switch (excluding line fuses)
- “START” momentary push-button
- “H-O-A” selector switch
- At minimum, 6”x10” extra back pan space
- UL type rated enclosure

R/F - Experience has shown that applications using non-metallic enclosures often require customized pump panels (i.e. Door-in-Door or unique control circuit). Contact your Sprecher + Schuh representative for a customized price.

**Series CAPTN7 with Fusible Disconnect (J-Type) ②③**

| NEMA Size | Maximum Horsepower Three Phase |      |      | Fuse Clips | Type 3R Industrial Dusttight | Price    | D I M | Type 4X Watertight Corrosion Resistant Non-Metallic | Price | D I M |
|-----------|--------------------------------|------|------|------------|------------------------------|----------|-------|---|-------|-------|
|           | 230V                           | 460V | 575V |            | Catalog No.                  |          |       | ① Catalog No.                                       |       |       |
|           |                                |      |      |            | <b>CAPTN</b>                 |          |       | <b>CAPTN</b>  |       |       |
| 00        | 1-1/2                          | 2    | 2    | 30         | 7-12-*◆-JF61R0               | 2,361.84 | R2    | 7-12-*◆-JF61C0                                      | R/F   | R/F   |
| 0         | 3                              | 5    | 5    | 30         | 7-16-*◆-JF61R0               | 2,424.18 | R2    | 7-16-*◆-JF61C0                                      | R/F   | R/F   |
| 1         | 7-1/2                          | ~    | ~    | 60         | 7-37-*◆-JF62R0               | 2,858.53 | R2    | 7-37-*◆-JF62C0                                      | R/F   | R/F   |
|           | ~                              | 10   | 10   | 30         | 7-37-*◆-JF61R0               | 2,735.89 | R2    | 7-37-*◆-JF61C0                                      | R/F   | R/F   |
| 2         | 15                             | ~    | ~    | 100        | 7-43-*◆-JF63R0               | 3,790.60 | R2    | 7-43-*◆-JF63C0                                      | R/F   | R/F   |
|           | ~                              | 25   | 25   | 60         | 7-43-*◆-JF62R0               | 2,920.88 | R2    | 7-43-*◆-JF62C0                                      | R/F   | R/F   |
| 3         | 30                             | ~    | ~    | 200        | 7-85-*◆-JF64R0               | 5,469.74 | H     | 7-85-*◆-JF64C0                                      | R/F   | R/F   |
|           | ~                              | 50   | 50   | 100        | 7-85-*◆-JF63R0               | 4,102.31 | H     | 7-85-*◆-JF63C0                                      | R/F   | R/F   |

**NOTE:** Catalog Numbers, list Prices and enclosure dimensions reflect contactors with AC coils. For DC coils, select Coil Code from the DC Coil Code table on page C104 and follow the instructions for modifying Catalog Numbers.

**Ordering Instructions**

|                                 |   |
|---------------------------------|---|
| Specify Catalog Number          |   |
| Replace (*) with Coil Code      | See page C104<br>Seepages C105-C106<br>Seepages C107-C111 |
| Replace (◆) with O/L Relay      |   |
| Factory Modifications available |   |

- ① Dimensional information starts on page C122.
- ② Fusible combo starters use the L11 Disconnect. Fuse clips accept “J” type fuses. Power fuses not supplied.
- ③ A Red and Yellow Handle may be selected instead of the standard Gray and Black handle. Change “JF” to “LF” in catalog number.
- ④ Applicable to 600Y/347V only.