

# NEMA Full Voltage Power Devices

## NEMA Rated Full Voltage Starters - Magnetic

### CR306, CR386 Magnetic Starters

# Section 1

Nonreversing, Non-combination, Open, NEMA Type 1, 3R, 12, 4/4X  
 NEMA Sizes 00-9 with Thermal Overload Relay  
 600 Volts Maximum 50/60 Hertz

#### Three-Phase

List Price includes a holding interlock, pressure terminals for the line and load connections, plus a 3-leg block type overload relay (manual reset). All enclosures include external reset. One NO isolated contact on the overload relay is available as an option at **GO-10G**. To order add suffix LAA to Product Numbers (Size 00-5) listed in table.

Three heaters should be ordered as separate items. See pages 1-153 to 1-159 for selection.

#### CR306, Three-Phase Magnetic Starters

| NEMA Size | Continuous Ampere Rating <sup>1</sup> | Voltage                    | Horsepower | Open Type            |                   | NEMA Type 1          |                   | NEMA Type 3R         |                   | NEMA Type 12         |                   | NEMA Type 4/4X       |                   |
|-----------|---------------------------------------|----------------------------|------------|----------------------|-------------------|----------------------|-------------------|----------------------|-------------------|----------------------|-------------------|----------------------|-------------------|
|           |                                       |                            |            | Product Number CR306 | List Price GO-10G | Product Number CR306 | List Price GO-10G | Product Number CR306 | List Price GO-10G | Product Number CR306 | List Price GO-10G | Product Number CR306 | List Price GO-10G |
| 00        | 9                                     | Separate Control—115-120 V |            | A002                 |                   | A102                 |                   | Use NEMA Size 0      |                   | Use NEMA Size 0      |                   | Use NEMA Size 0      |                   |
| 00        | 9                                     | 200-208                    | 1 1/2      | A023                 |                   | A123                 |                   | Use NEMA Size 0      |                   | Use NEMA Size 0      |                   | Use NEMA Size 0      |                   |
| 00        | 9                                     | 230-240                    | 1 1/2      | A003                 |                   | A103                 |                   | Use NEMA Size 0      |                   | Use NEMA Size 0      |                   | Use NEMA Size 0      |                   |
| 00        | 9                                     | 460-480                    | 2          | A004                 |                   | A104                 |                   | Use NEMA Size 0      |                   | Use NEMA Size 0      |                   | Use NEMA Size 0      |                   |
| 00        | 9                                     | 575-600                    | 2          | A005                 |                   | A105                 |                   | Use NEMA Size 0      |                   | Use NEMA Size 0      |                   | Use NEMA Size 0      |                   |
| 0         | 18                                    | Separate Control—115-120 V |            | B002                 |                   | B102                 |                   | B602                 |                   | B202                 |                   | B402                 |                   |
| 0         | 18                                    | 200-208                    | 3          | B023                 |                   | B123                 |                   | B623                 |                   | B223                 |                   | B423                 |                   |
| 0         | 18                                    | 230-240                    | 3          | B003                 |                   | B103                 |                   | B603                 |                   | B203                 |                   | B403                 |                   |
| 0         | 18                                    | 460-480                    | 5          | B004                 |                   | B104                 |                   | B604                 |                   | B204                 |                   | B404                 |                   |
| 0         | 18                                    | 575-600                    | 5          | B005                 |                   | B105                 |                   | B605                 |                   | B205                 |                   | B405                 |                   |
| 1         | 27                                    | Separate Control—115-120 V |            | C002                 |                   | C102                 |                   | C602                 |                   | C202                 |                   | C402                 |                   |
| 1         | 27                                    | 200-208                    | 7 1/2      | C023                 |                   | C123                 |                   | C623                 |                   | C223                 |                   | C423                 |                   |
| 1         | 27                                    | 230-240                    | 7 1/2      | C003                 |                   | C103 <sup>2</sup>    |                   | C603                 |                   | C203                 |                   | C403                 |                   |
| 1         | 27                                    | 460-480                    | 10         | C004                 |                   | C104                 |                   | C604                 |                   | C204                 |                   | C404                 |                   |
| 1         | 27                                    | 575-600                    | 10         | C005                 |                   | C105                 |                   | C605                 |                   | C205                 |                   | C405                 |                   |
| 2         | 45                                    | Separate Control—115-120 V |            | D002                 |                   | D102                 |                   | D602                 |                   | D202                 |                   | D402                 |                   |
| 2         | 45                                    | 200-208                    | 10         | D023                 |                   | D123                 |                   | D623                 |                   | D223                 |                   | D423                 |                   |
| 2         | 45                                    | 230-240                    | 15         | D003                 |                   | D103                 |                   | D603                 |                   | D203                 |                   | D403                 |                   |
| 2         | 45                                    | 460-480                    | 25         | D004                 |                   | D104                 |                   | D604                 |                   | D204                 |                   | D404                 |                   |
| 2         | 45                                    | 575-600                    | 25         | D005                 |                   | D105                 |                   | D605                 |                   | D205                 |                   | D405                 |                   |
| 3         | 90                                    | Separate Control—115-120 V |            | E002                 |                   | E102                 |                   | E602                 |                   | E202                 |                   | E402                 |                   |
| 3         | 90                                    | 200-208                    | 25         | E023                 |                   | E123                 |                   | E623                 |                   | E223                 |                   | E423                 |                   |
| 3         | 90                                    | 230-240                    | 30         | E003                 |                   | E103                 |                   | E603                 |                   | E203                 |                   | E403                 |                   |
| 3         | 90                                    | 460-480                    | 50         | E004                 |                   | E104                 |                   | E604                 |                   | E204                 |                   | E404                 |                   |
| 3         | 90                                    | 575-600                    | 50         | E005                 |                   | E105                 |                   | E605                 |                   | E205                 |                   | E405                 |                   |
| 4         | 135                                   | Separate Control—115-120 V |            | F002                 |                   | F102                 |                   | F602                 |                   | F202                 |                   | F402                 |                   |
| 4         | 135                                   | 200-208                    | 40         | F023                 |                   | F123                 |                   | F623                 |                   | F223                 |                   | F423                 |                   |
| 4         | 135                                   | 230-240                    | 50         | F003                 |                   | F103                 |                   | F603                 |                   | F203                 |                   | F403                 |                   |
| 4         | 135                                   | 460-480                    | 100        | F004                 |                   | F104                 |                   | F604                 |                   | F204                 |                   | F404                 |                   |
| 4         | 135                                   | 575-600                    | 100        | F005                 |                   | F105                 |                   | F605                 |                   | F205                 |                   | F405                 |                   |
| 5         | 270                                   | Separate Control—115-120 V |            | G002                 |                   | G102                 |                   | G602                 |                   | G202                 |                   | G402                 |                   |
| 5         | 270                                   | 200-208                    | 75         | G023                 |                   | G123                 |                   | G623                 |                   | G223                 |                   | G423                 |                   |
| 5         | 270                                   | 230-240                    | 100        | G003                 |                   | G103                 |                   | G603                 |                   | G203                 |                   | G403                 |                   |
| 5         | 270                                   | 460-480                    | 200        | G004                 |                   | G104                 |                   | G604                 |                   | G204                 |                   | G404                 |                   |
| 5         | 270                                   | 575-600                    | 200        | G005                 |                   | G105                 |                   | G605                 |                   | G205                 |                   | G405                 |                   |
| 6         | 540                                   | Separate Control—115-120 V |            | HH002                |                   | HH102                |                   | HH602                |                   | HH202                |                   | HH402                |                   |
| 6         | 540                                   | 200-208                    | 150        | HH023                |                   | HH123                |                   | HH623                |                   | HH223                |                   | HH423                |                   |
| 6         | 540                                   | 230-240                    | 200        | HH003                |                   | HH103                |                   | HH603                |                   | HH203                |                   | HH403                |                   |
| 6         | 540                                   | 460-480                    | 400        | HH004                |                   | HH104                |                   | HH604                |                   | HH204                |                   | HH404                |                   |
| 6         | 540                                   | 575-600                    | 400        | HH005                |                   | HH105                |                   | HH605                |                   | HH205                |                   | HH405                |                   |

#### CR386 Three-Phase Magnetic Starters

| NEMA Size | Continuous Ampere Rating <sup>1</sup> | Voltage                    | Horsepower | Control Circuit Voltage | Open Type            |                   |
|-----------|---------------------------------------|----------------------------|------------|-------------------------|----------------------|-------------------|
|           |                                       |                            |            |                         | Product Number CR386 | List Price GO-10G |
| 7         | 810                                   | Separate Control—115-120 V |            |                         | J002AA1A             |                   |
| 7         | 810                                   | 220-240                    | 300        | 230                     | J003AA1A             |                   |
| 7         | 810                                   | 440-480                    | 600        | 460                     | J004AA1A             |                   |
| 7         | 810                                   | 550-600                    | 600        | 575                     | J005AA1A             |                   |
| 8         | 1215                                  | Separate Control—115-120 V |            |                         | K002AA1A             |                   |
| 8         | 1215                                  | 220-240                    | 450        | 230                     | K003AA1A             |                   |
| 8         | 1215                                  | 440-480                    | 900        | 460                     | K004AA1A             |                   |
| 8         | 1215                                  | 550-600                    | 900        | 575                     | K005AA1A             |                   |
| 9         | 2250                                  | Separate Control—115-120 V |            |                         | L002AA1A             |                   |
| 9         | 2250                                  | 220-240                    | 800        | 230                     | L003AA1A             |                   |
| 9         | 2250                                  | 440-480                    | 1600       | 460                     | L004AA1A             |                   |
| 9         | 2250                                  | 550-600                    | 1600       | 575                     | L005AA1A             |                   |

Motor full load current should not exceed continuous ampere rating of the starter. Units are individually boxed and "Poly-Packed" six per carton as standard.



Enclosure Descriptions: See Section 12

# NEMA Full Voltage Power Devices

## NEMA Rated Full Voltage Starters - Magnetic

### CR306, CR386 Magnetic Starters

## Section 1

Nonreversing, Non-combination, Open, NEMA Type 1, 3R, 12, 4/4X  
 NEMA Sizes 00-9 with Thermal Overload Relay  
 600 Volts Maximum 50/60 Hertz

#### Single-Phase

List price includes a holding interlock. One heater (per starter) for sizes 00-2 and two heaters (per starter) for size 3 should be ordered as separate items. See pages 1-153 to 1-159 for selection. **List price \$9.00 each, GO-10H.**

#### CR306, Single-Phase Magnetic Starters

| NEMA Size | Continuous Ampere Rating <sup>1</sup> | Voltage | Horsepower | Open Type            |                   | NEMA Type 1          |                   | NEMA Type 3R         |                   | NEMA Type 12         |                   | NEMA Type 4/4X       |                   |
|-----------|---------------------------------------|---------|------------|----------------------|-------------------|----------------------|-------------------|----------------------|-------------------|----------------------|-------------------|----------------------|-------------------|
|           |                                       |         |            | Product Number CR306 | List Price GO-10G | Product Number CR306 | List Price GO-10G | Product Number CR306 | List Price GO-10G | Product Number CR306 | List Price GO-10G | Product Number CR306 | List Price GO-10G |
| 00        | 9                                     | 115-120 | 1/3        | H002                 |                   | H102                 |                   | Use NEMA Size 0      |                   | Use NEMA Size 0      |                   | Use NEMA Size 0      |                   |
| 00        | 9                                     | 230-240 | 1          | H003                 |                   | H103                 |                   | Use NEMA Size 0      |                   | Use NEMA Size 0      |                   | Use NEMA Size 0      |                   |
| 0         | 18                                    | 115-120 | 1          | J002                 |                   | J102                 |                   | J602                 |                   | J202                 |                   | J402                 |                   |
| 0         | 18                                    | 230-240 | 2          | J003                 |                   | J103                 |                   | J603                 |                   | J203                 |                   | J403                 |                   |
| 1         | 27                                    | 115-120 | 2          | K002                 |                   | K102                 |                   | K602                 |                   | K202                 |                   | K402                 |                   |
| 1         | 27                                    | 230-240 | 3          | K003                 |                   | K103                 |                   | K603                 |                   | K203                 |                   | K403                 |                   |
| 1P        | 36                                    | 115-120 | 3          | K002BMA              |                   | K102BKA              |                   | K602BKA              |                   | K202BKA              |                   | K402BKA              |                   |
| 1P        | 36                                    | 230-240 | 5          | K003BMA              |                   | K103BKA              |                   | K603BKA              |                   | K203BKA              |                   | K403BKA              |                   |
| 2         | 45                                    | 115-120 | 3          | L002                 |                   | L102                 |                   | L602                 |                   | L202                 |                   | L402                 |                   |
| 2         | 45                                    | 230-240 | 7 1/2      | L003                 |                   | L103                 |                   | L603                 |                   | L203                 |                   | L403                 |                   |
| 3         | 90                                    | 115-120 | 7 1/2      | M002                 |                   | M102                 |                   | M602                 |                   | M202                 |                   | M402                 |                   |
| 3         | 90                                    | 230-240 | 15         | M003                 |                   | M103                 |                   | M603                 |                   | M203                 |                   | M403                 |                   |
| 3         | 90                                    | 460-480 | 25         | M004                 |                   | M104                 |                   | M604                 |                   | M204                 |                   | M404                 |                   |
| 3         | 90                                    | 575-600 | 25         | M005                 |                   | M105                 |                   | M605                 |                   | M205                 |                   | M405                 |                   |

<sup>1</sup>Motor full load current should not exceed continuous ampere rating of the starter.

