

## Definite Purpose Starters

### Heater Selection

#### For CR354 Definite Purpose Starters, 50A-60A

Standard or ambient compensated overload relays, open or Type 1 enclosed

To prevent overloading the starter, do not select heater(s) for a motor with a rating larger than the maximum shown on the starter nameplate. If a motor's full-load amps fall between two ratings, select heaters with the higher of the two ratings.

For continuous rated motors with a service factor of 1.15 to 1.25, select the heater with maximum motors amps equal to or immediately greater than the motor full-load current. This will provide a maximum of 125% protection. For continuous rated motors with no service factor, multiply the full-load current of the motor by 0.9 and use the resulting value to select the heater.

To protect the heater and starter during a short circuit, provide motor branch circuit protection in accordance with Table 420-152 in Article 430 of the National Electrical Code. In no case should the fuse rating exceed 4 times the motor full-load current for single-element fuses or 2.25 times the motor full-load current for dual-element fuses.

Do not use these tables to select heaters for hermetic motor applications. Contact your GE Industrial Systems sales office for information.

Heater amps are based on 75°C wire. All heaters are packaged 3 per carton and carry a **List Price of \$9.00, GO-10H.**

#### Single-phase (1 heater required)

Max. Motor FLA		Catalog Number
50A Starter	60A Starter	
6.15	6.15	CR123C592A
6.47	6.47	CR123C630A
6.84	6.84	CR123C695A
7.72	7.72	CR123C778A
8.99	8.99	CR123C867A
9.87	9.87	CR123C955A
10.6	10.6	CR123C104B
12.0	12.0	CR123C113B
12.3	12.3	CR123C125B
14.0	14.0	CR123C137B
15.7	15.7	CR123C151B
17.6	17.6	CR123C163B
20.1	20.1	CR123C180B
23.3	23.3	CR123C198B
27.0	27.0	CR123C214B
29.8	29.8	CR123C228B
32.2	32.2	CR123C250B
33.9	33.9	CR123C273B
36.7	36.7	CR123C303B
42.5	42.5	CR123C330B
46.2	46.2	CR123C366B
50.0	50.3	CR123C400B
—	52.4	CR123C440B
—	58.2	CR123C460B
—	60.0	CR123C500B

#### Three-phase (3 heaters required)

Max. Motor FLA		Catalog Number
50A Starter	60A Starter	
6.07	5.14	CR123C630A
6.63	5.63	CR123C695A
7.35	6.26	CR123C778A
8.09	7.15	CR123C867A
8.89	7.58	CR123C955A
9.78	8.39	CR123C104B
10.8	9.11	CR123C113B
11.8	9.67	CR123C125B
13.0	11.0	CR123C137B
14.5	12.0	CR123C151B
16.1	14.4	CR123C163B
17.9	16.3	CR123C180B
19.8	17.3	CR123C198B
22.0	19.3	CR123C214B
24.4	20.9	CR123C228B
27.1	22.9	CR123C250B
29.9	24.7	CR123C273B
34.1	28.0	CR123C303B
38.8	32.1	CR123C330B
44.3	35.9	CR123C366B
50.0	41.5	CR123C400B
—	43.4	CR123C440B
—	46.4	CR123C460B
—	50.9	CR123C500B
—	56.9	CR123C550B
—	60.0	CR123C600B