

# NEMA Full Voltage Power Devices

## NEMA Rated Full Voltage Starters - Magnetic

### CR307, CR407, CR308, CR408 Magnetic Starters

Nonreversing, Combination, NEMA Type 1, 3R, 12, 4/4X  
 400 Horsepower Maximum  
 NEMA Sizes 0-6  
 600 Volts Maximum  
 50/60 Hertz

#### Application

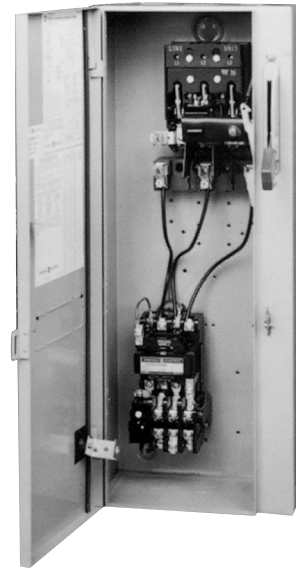
These combination starters are used for full voltage starting of single-speed squirrel-cage induction motors up to 400 horsepower maximum, 600 Volts maximum. Each starter provides short-circuit protection by means of a fusible disconnect, a thermal magnetic trip circuit breaker, or circuit interrupter function with a nonfusible disconnect switch.

#### Features

- Branch circuit protection**—is provided by means of a Type QMR disconnect switch or molded case circuit breaker.
  - Mechanism**—always controls interrupting switch.
  - Easy inspection, maintenance**—performed from starter front.
  - Optional factory-installed control transformer**.
- Refer to page 1-7 for features of basic starter.

#### Product Number Selection Instructions

1. Specify starter by complete Product Number. Example: CR308CT03HB1AAAAA is a Size 1 starter, combination disconnect form with 230-240 Volt, 60-Hertz coil and 60-Ampere class H fuse clips in Type 1 general-purpose enclosure
2. Order special features or forms not listed by complete description using a listed Product Number as reference. Example: Similar to CR308CT03HB1AAAAA except with red indicating light in cover.
3. **50-Hertz Starters**  
Pricing of starters for use on 50 Hertz (at standard voltages) is the same as shown in tables for 60 Hertz. Order by description, using a listed form as reference. Refer to page 1-4 for three-phase horsepower rating at 380-415 Volts, 50 Hertz.
4. **Control Transformer**  
All catalog listed CR307 and CR308 combination starters have provision for field mounting a standard control circuit transformer. Refer to page 1-137 for transformer kit Product Numbers and pricing. Also, see page 1-126 for information on factory-installed standard and extra-capacity transformers. Specify transformer rating on order.
5. **Product Notes**  
Motor full-load current should not exceed continuous ampere rating of starter.  
Order heaters by complete Product Number from appropriate heater tables on pages 1-153 to 1-159.



Typical Combination Starter in General Purpose Type 1 Enclosure

#### Reference Publications

Instructions	
NEMA Size	Publication Number
0, 1	GEH-5190
2	GEH-4774
3	GEH-4806
4	GEH-4807
5	GEH-4838
6	GEH-5198

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