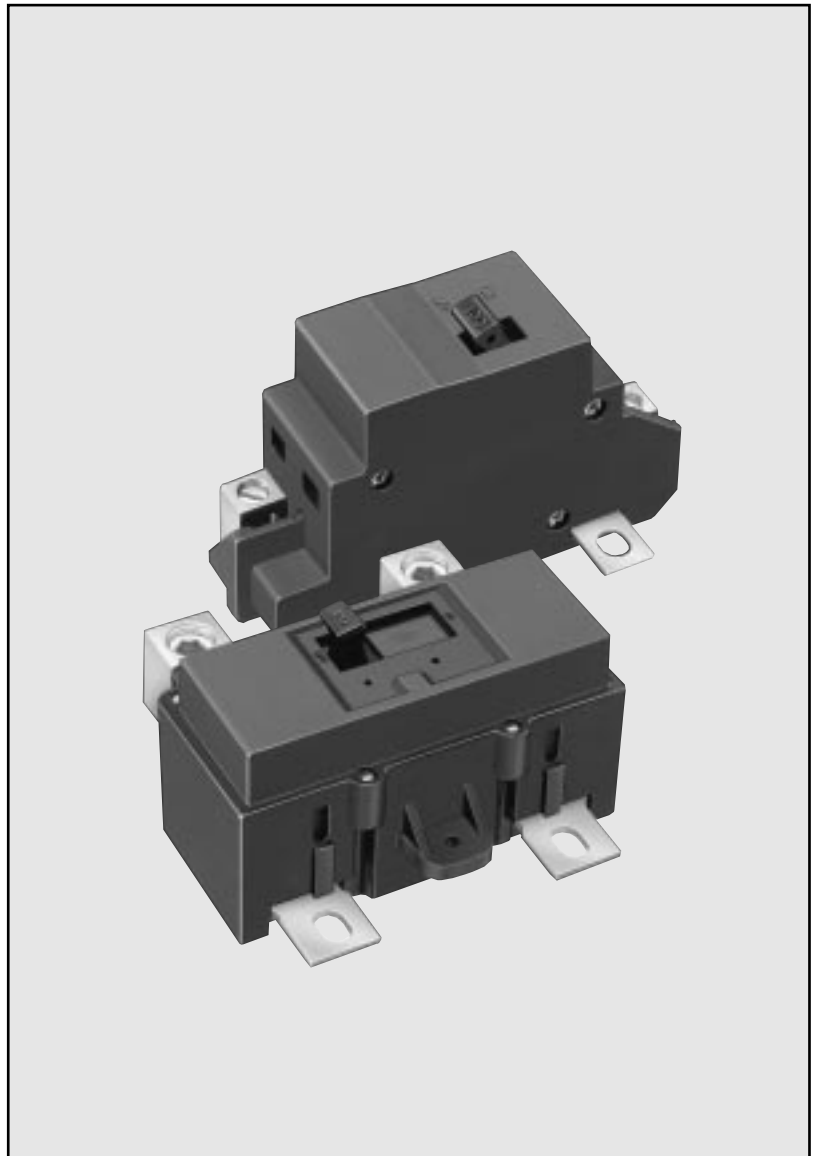


# Molded Case Circuit Breakers QOM1/QOM2

Class 736



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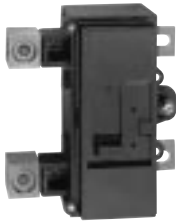


**SQUARE D**  
GROUPE SCHNEIDER

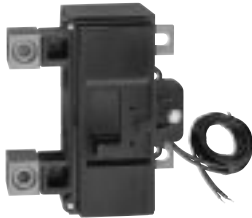
## Application Data



2-Pole QOM125



2-Pole QOM225



QOM225 with Shunt Trip

### Description

QOM1/QOM2 two pole thermal-magnetic circuit breakers are available from 70 through 225 amperes. Voltage rating – 120/240 Vac

### Application

QOM1/QOM2 circuit breakers may be field or factory installed as a main breaker in QO circuit breaker load centers with convertible mains. These circuit breakers have lug orientation to allow for straight-in wiring and have horizontal handle operation to allow for top or bottom feed applications.

### Ratings

QOM1/QOM2 circuit breaker catalog numbers and application information are shown in the table below:

Main Circuit Breaker Amp Rating <sup>▲</sup>	Use with Convertible Load Center Mains Rating	10,000 AIR	22,000 AIR	Lug Wire Size <sup>◇</sup> AWG/kcmil Al or Cu
		Main Circuit Breaker	Main Circuit Breaker	

#### QOM1 Frame Size

Main Amp Rating	Use with Convertible Load Center Mains Rating	10,000 AIR	22,000 AIR	Lug Wire Size <sup>◇</sup>
70	100–125	QOM70	QOM70VH	#4-#2/0
80	100–125	QOM80	QOM80VH	
90	100–125	QOM90	QOM90VH	
100	100–125	QOM100	QOM100VH	
110	125	QOM110	QOM110VH	
125	125	QOM125	QOM125VH	

#### QOM2 Frame Size

Main Amp Rating	Use with Convertible Load Center Mains Rating	10,000 AIR	22,000 AIR	Lug Wire Size <sup>◇</sup>
100	150–225	QOM2100	QOM2100VH	#4-300
125	150–225	QOM2125	QOM2125VH	
150	150–225	QOM2150	QOM2150VH	
175	200–225	QOM2175	QOM2175VH	
200	200–225	QOM2200	QOM2200VH	
225	225	QOM2225	QOM2225VH	

<sup>▲</sup> Do not exceed the load center mains rating.

### Series Connected Ratings

The use of series connected ratings allows load centers with a 22,000 ampere interrupting rating (AIR) main circuit breaker and standard 10,000 AIR branch breakers to carry UL Listed short-circuit current ratings of 22,000 rms symmetrical amperes. Combinations suitable for this purpose are Listed by Underwriters Laboratories and appear in File E6294.

Main Circuit Breaker		Branch Circuit Breaker			Series Connected Interrupting Ratings RMS Symmetrical Amperes
Type	Ampere Rating	Type	No. of Poles	Ampere Rating	
QOM1-VH and QOM2-VH	70-225	QO	1	15-70	22,000
		QO	2	15-100	22,000
		QO-GFI	1 & 2	15-30	22,000
		Q1	1	15-100	22,000
		Q1	2	15-150	22,000

### Construction Standards

QOM1/QOM2 circuit breakers are built in accordance with Underwriters Laboratories Standard UL 489 and NEMA Standard AB1-1975. QOM1/QOM2 circuit breakers are UL Listed under File #E84905 and CSA Certified under File LR40970-5. 70-100 ampere circuit breakers meet Federal Specification W-C-375B/GEN Class 12a.

### Operating Mechanism

QOM1/QOM2 circuit breakers have an over-center, trip-free toggle mechanism with quick-make, quick-break action and positive handle indication. An integral crossbar opens both poles simultaneously.

### Tripping Mechanism

QOM1/QOM2 circuit breakers have individual thermal-magnetic trip elements in each pole. The trip element is calibrated for 40°C ambient temperature.

### Trip Indication

When the circuit breaker is tripped, the handle assumes a center position between ON and OFF. The circuit breaker can be reset by pushing the handle to the extreme OFF position and then to the ON position.

### Terminations

QOM1/QOM2 circuit breakers have captive plated box-type lugs. The lugs are suitable for use with 75°C wire.

### Accessories

QOM2 circuit breakers can be supplied with factory shunt trip. For complete information on accessories, refer to Catalog Class 690 “Accessories for Molded Case Circuit Breakers” or the latest version of the Square D Digest.

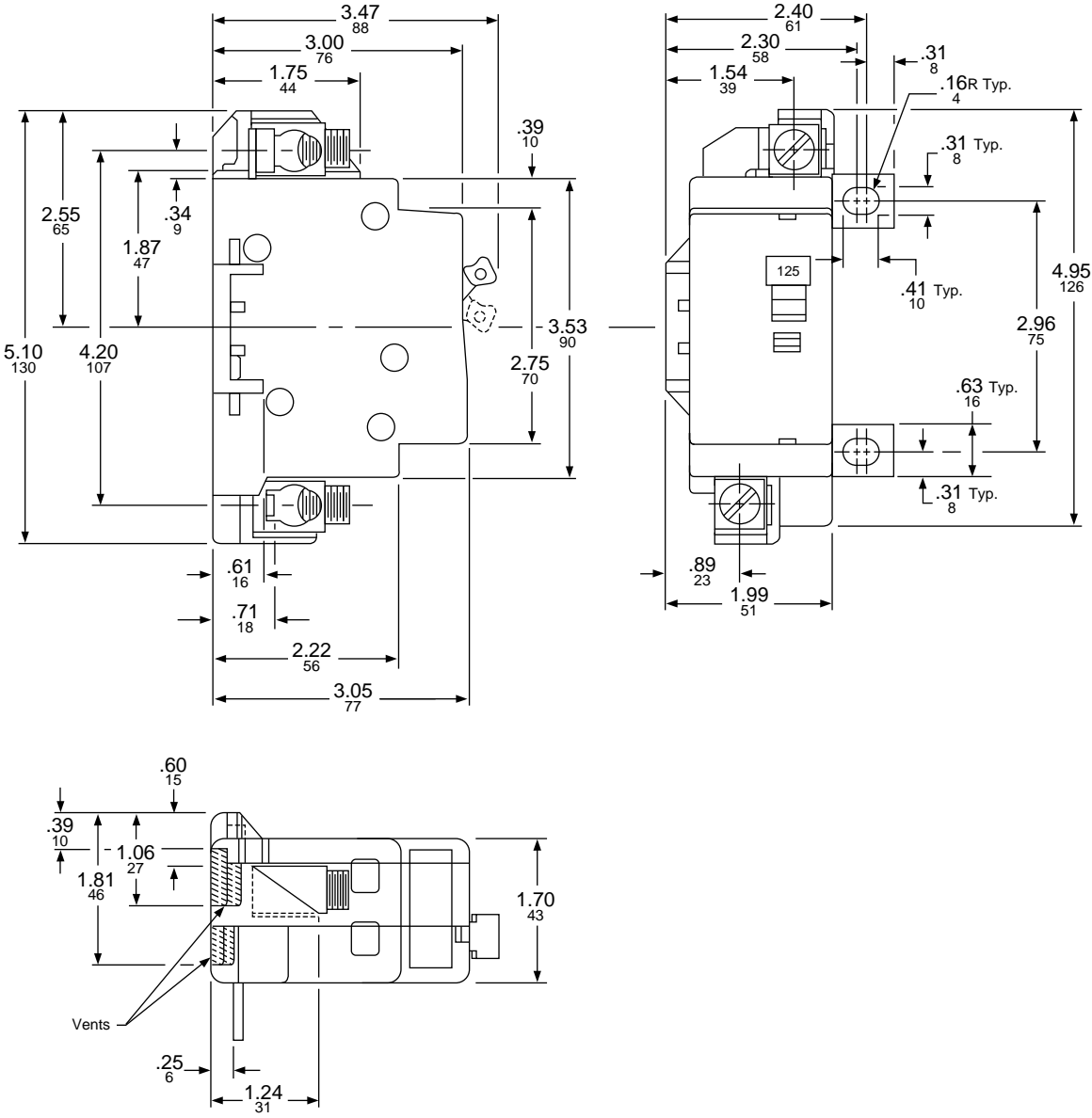
### Handle Padlock Attachment

Handle padlock attachments are available to padlock QOM1/QOM2 circuit breakers in the OFF position.

Frame Size	Ampere Rating	Attachment Catalog Number
QOM1	70–125	QOM1PA
QOM2	100–225	QOM2PA



70-125 Ampere Breakers — QOM1

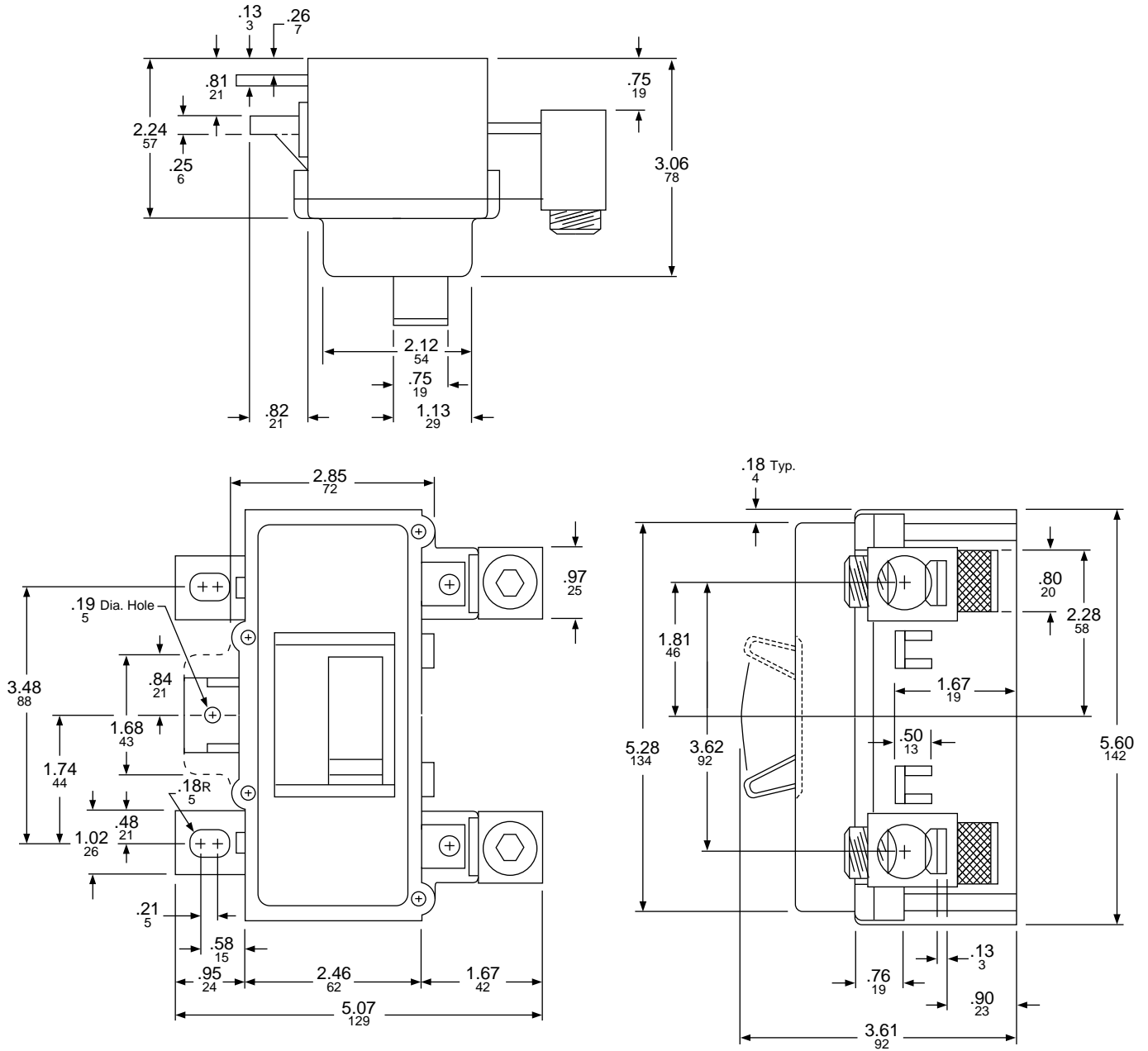


Dual Dimensions: INCHES  
Millimeters



# Dimensions

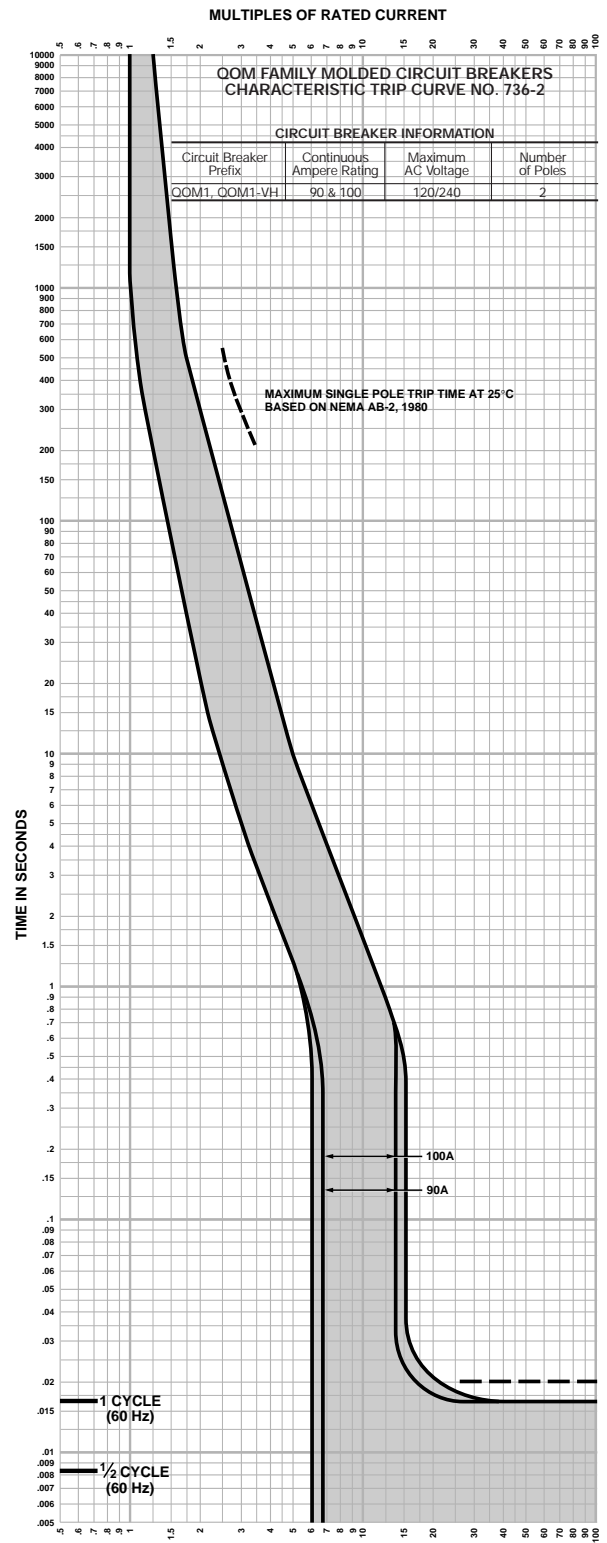
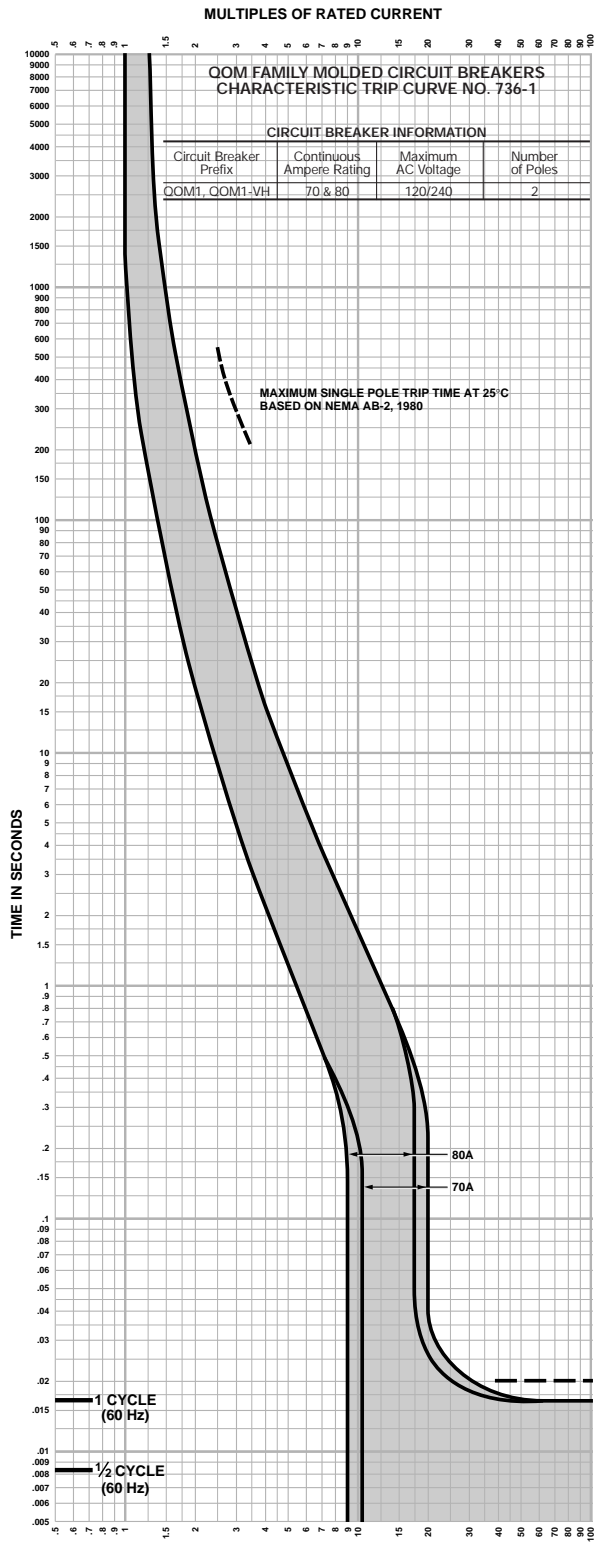
## 100-225 Ampere Breakers — QOM2



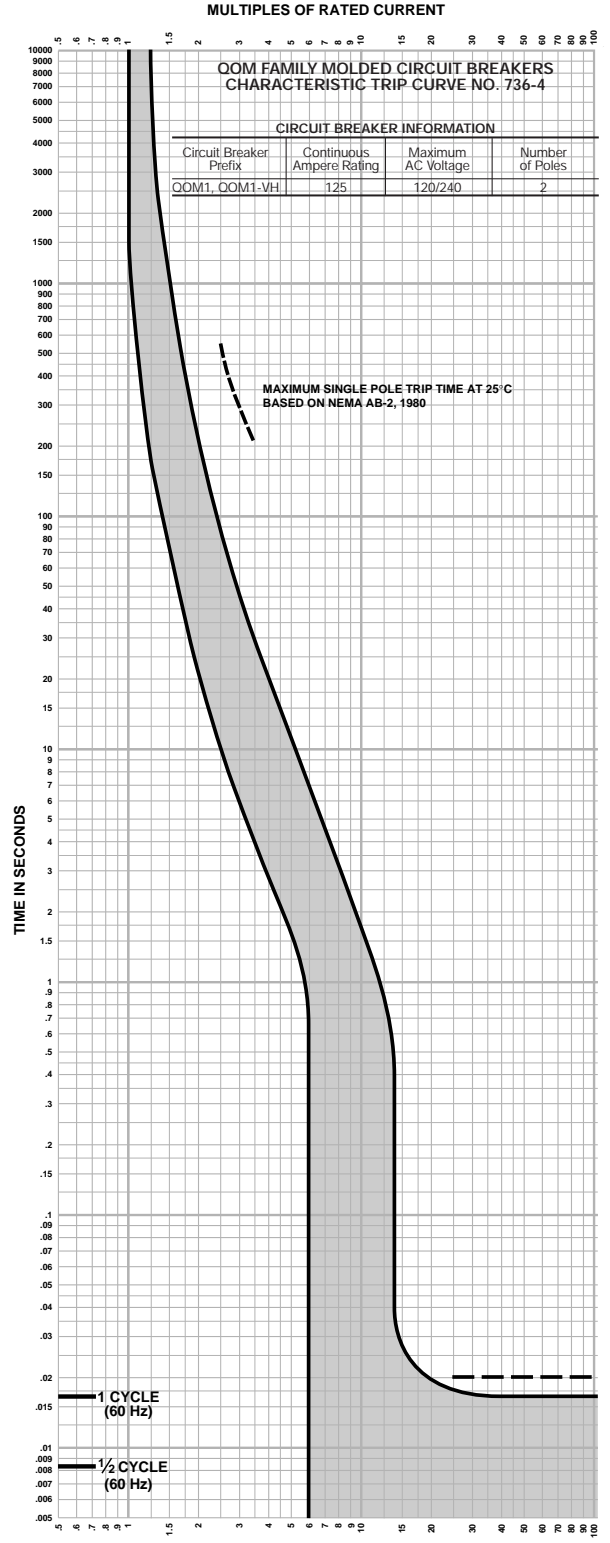
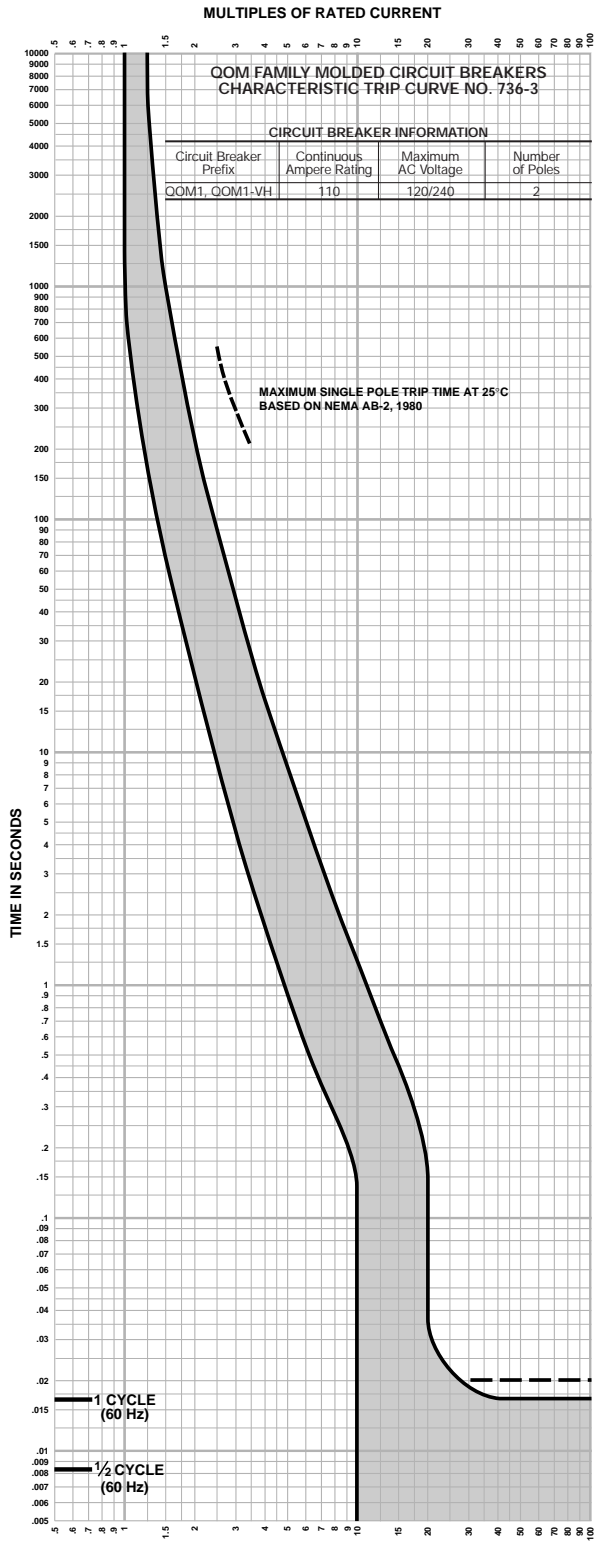
Dual Dimensions: INCHES  
Millimeters



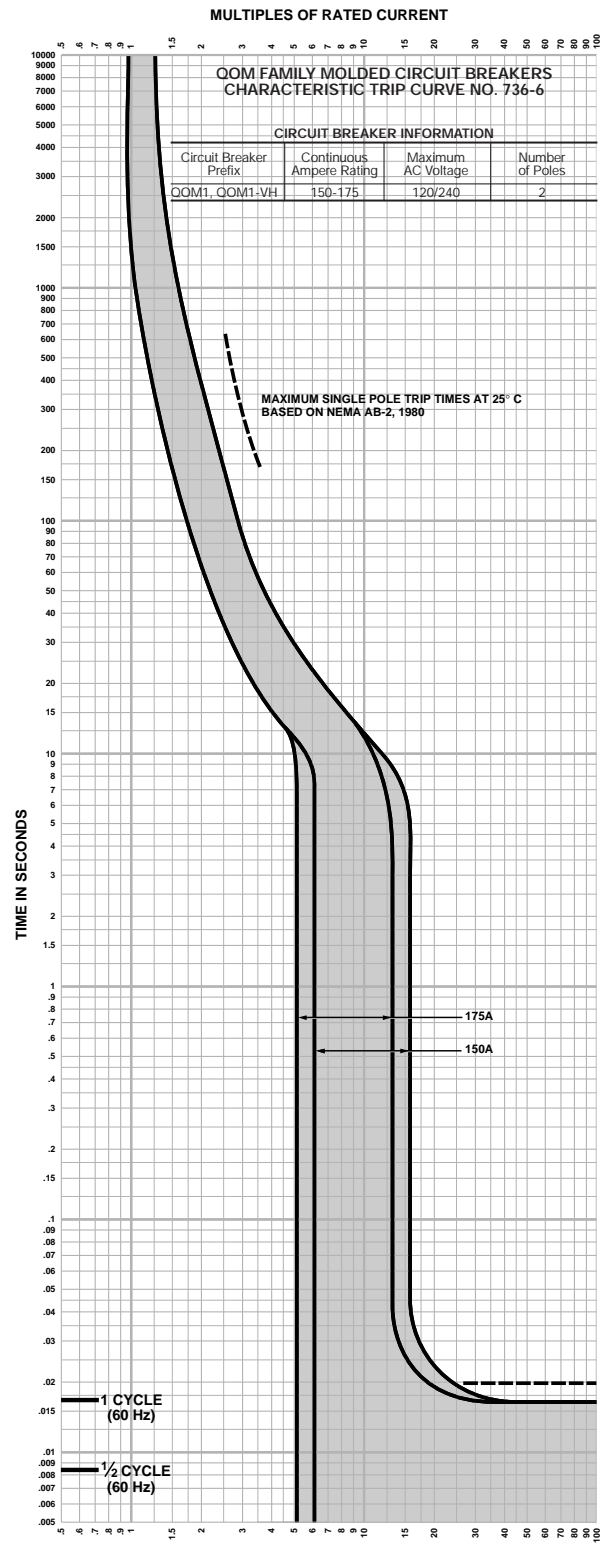
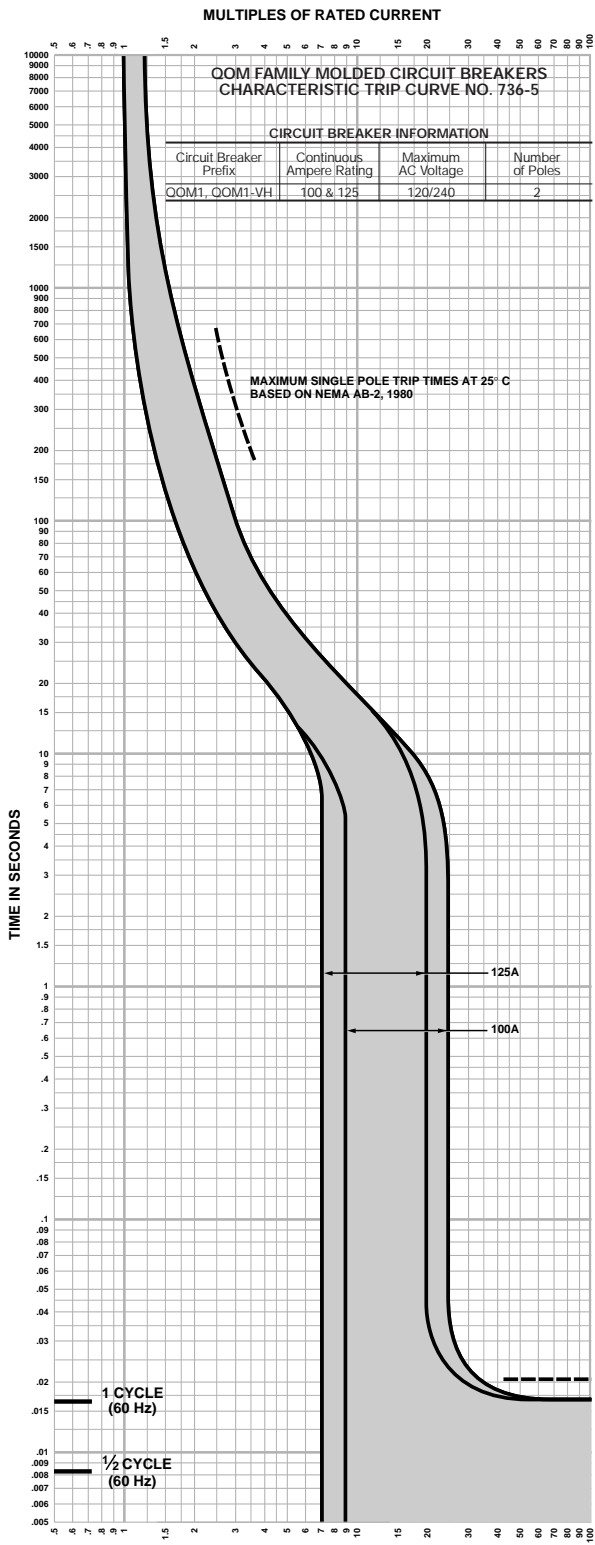
# Characteristic Tripping Curves



# Characteristic Tripping Curves



# Characteristic Tripping Curves



# Characteristic Tripping Curves

