



DATA SHEET

# Residential enclosed circuit breakers



Outdoor NEMA 3R enclosed circuit breakers range from 100 to 200 amps (100A, 125A, 150A and 200A) and AIC rating of 10 or 22 kAIC. ABB's residential enclosed circuit breakers meet NEC® 2020+ outdoor disconnect requirements.

ABB's residential enclosed circuit breakers are a quick and efficient way to provide outdoor disconnecting means at a home or dwelling. These outdoor NEMA 3R rated enclosed circuit breakers meet the National Electrical Code® (NEC) 2020 and 2023 requirement for an emergency outdoor disconnect. Ranging from 100A to 200A (100A, 125A, 150A and 200A) and AIC rating of either 10 or 22 kAIC, these devices are a great option for many residential applications.

**Pro tip:** Install ahead of a main lug PowerMark® PRO load center for a flexible, efficient installation!

#### Product details

- Convenient factory-installed main circuit breaker
- Corrosion-resistant outdoor (NEMA 3R) enclosure
- Service entrance rated UL
- Neutral included
- Includes emergency disconnect label

#### Offering

- 100A: TQL100RE
- 125A: TQL125RE
- 150A: THQMV150NRE
- 200A: THQMV200NRE

#### Technical features

- Ampere ratings: 100, 125, 150 and 200
- Short circuit ratings: 10 kAIC for 100A and 125A, 22 kAIC for 150A and 200A
- NEMA 3R

#### Certifications and standards

- UL listed — Suitable for use as service equipment
- NEC 2020, NEC 2023

#### Applications

- New home construction
- Renovation projects

#### Industries

- Residential

#### Related products

- Circuit breakers
- Load centers
- Modular metering
- Surge protective devices

Residential enclosed circuit breakers  
Factory-installed main circuit breaker

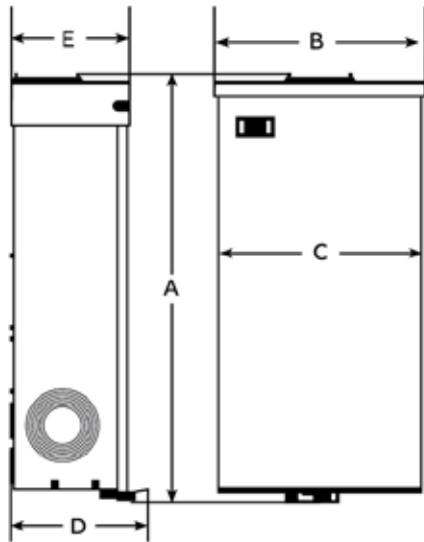
Outdoor (NEMA 3R) enclosure, 2-pole, service entrance rated, UL/cUL, neutral included

Main ampere rating	Short circuit rating (kAIC)	Main wire size (AWG/kcmil) Cu-Al	Equipment ground kit	Ordering code	Outline drawing	Dimension A (in.)	Dimension B (in.)	Dimension C (in.)	Dimension D (in.)	Dimension E (in.)
100	10	(1) #4-1/0	TGL1 (order separately)	TQL100RE <sup>1</sup>	139C5652SH1	17	7.25	6.875	6	5
125	10	(1) #2-2/0	TGL1 (order separately)	TQL125RE	139C5652SH1	18.313	7.688	7.5	6.313	5.188
150	22	(1) #6-350	TGL1 (order separately)	THQMV150NRE	208C3061SH2	18.813	9.5	9.313	5.5	4.875
200	22	(1) #6-350	TGL1 (order separately)	THQMV200NRE	208C3061SH2	18.813	9.5	9.313	5.5	4.875

<sup>1</sup> cUL listed — Suitable for use as service equipment.

01 NEMA type 3R outdoor enclosure

Drawings



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