# Industry-leading arc-resistant switchgear engineered for safety

Applying more than 60 years of switchgear innovation, Eaton delivers arc flash protection engineered to enhance operator safety and protect equipment. Eaton arc-resistant metal-clad switchgear, manufactured at the Omaha Power Center, is engineered and tested to ANSI Standard IEEE® C37.20.7 Type 2C Metal Clad Classification standards and provides arc flash and protection in indoor and outdoor power center configurations.

## Enhancing safety, advancing reliability

Eaton® arc-resistant switchgear is engineered to protect operations and maintenance personnel from dangerous arcing faults by redirecting or channeling arc energy out the top of the switchgear and away from personnel. With IEEE C37.20.7 Type 2C classification, this arc-resistant switchgear is designed to be safe on all four sides as well as between any adjacent compartment in any cubicle. It minimizes any damage to equipment. The arc is channeled to the arc venting plenum without passing through any other compartment, which both enhances safety and minimizes downtime.

With a range of innovative features, Eaton advances personnel safety beyond the standard specifications. The Eaton racking extender mechanism enables personnel to maintain the integrity of the safety barrier while manually racking equipment. Additionally, Eaton advanced arc-resistant switchgear incorporates:

- Sealed joints
- Top-mounted pressure relief vents
- Reinforced hinges and latches
- Optional internal motorized remote racking (MR2)

## Expertise and support—rugged construction, indoors and out

Engineered to withstand harsh environments, this high-performing and flexible switchgear is intended for both indoor and outdoor applications. Custom engineering is also available to accommodate climate control in various environments.

Eaton outdoor power center designs provide room to work, feature welded cubicle construction, and can be customized with additional workspace. Enclosure options include stainless steel and aluminum construction for corrosive environments.

## Innovation reduces equipment downtime

Eaton's offering of Type 2C–rated arc-resistant switchgear meets the most stringent interpretation of the standard for accessibility—it goes beyond the standard. Specifically, it is engineered to minimize damage in the case of a fault in the main bus compartment so that equipment can return to service quickly. The main horizontal bus support has been developed and tested to prevent the propagation of a fault between adjacent main bus compartments, limiting damage to the single compartment. This design exceeds the requirements of IEEE C37.20.7.

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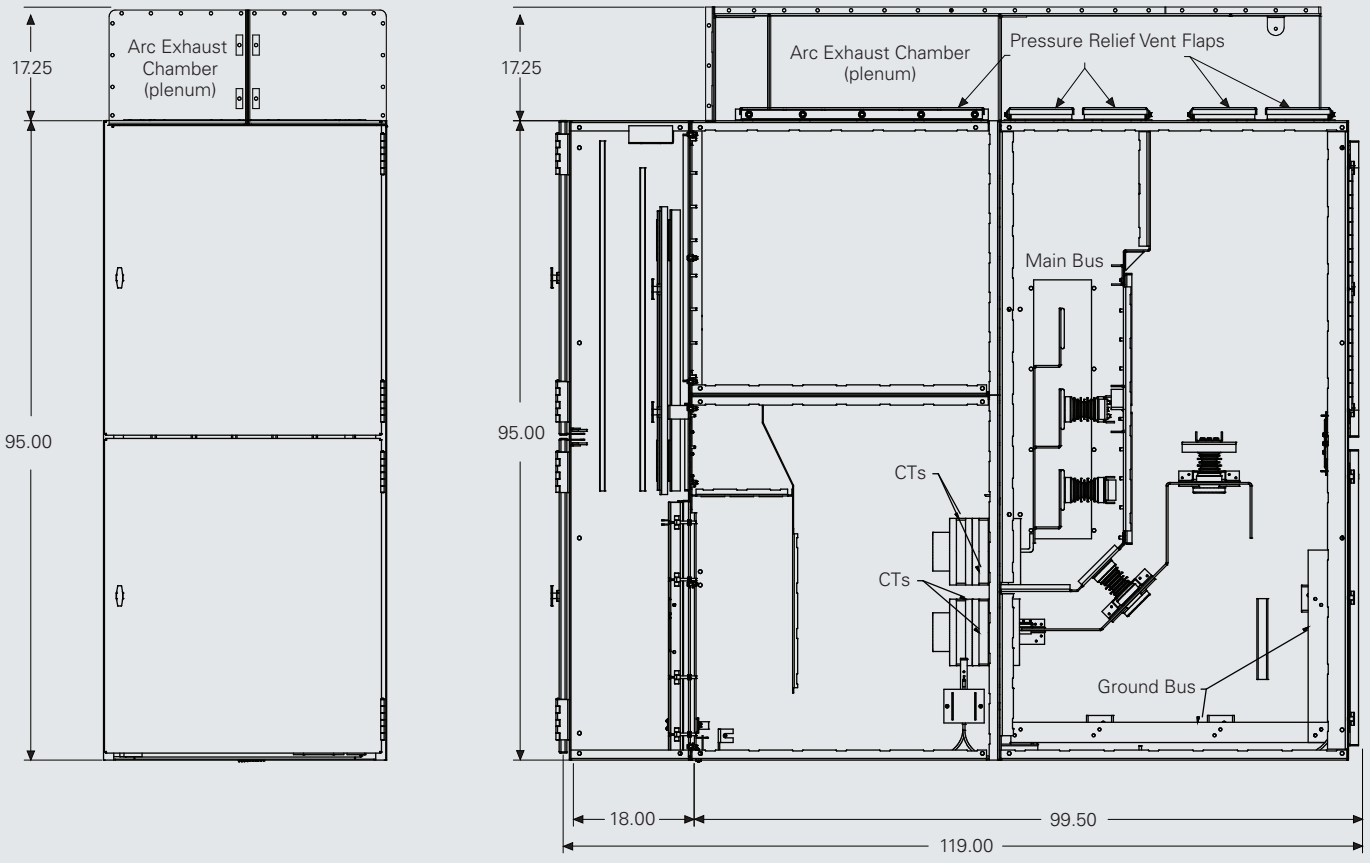
## Available ratings

5/15 kV, 40 kA, 2000A continuous current.

## Ratings

| Voltage Class (kV) | Maximum Voltage (kV) | MVA Rated | kA Rated K=1 | Short Circuit (kA) | Arc Duration (ms) |
|---|---|---|---|---|---|
| 5 | 4.76 | 250 | — | 25–36 | 500 |
| 5 | 4.76 | — | 25 | 25 | 500 |
| 5 | 4.76 | — | 40 | 40 | 500 |
| 7.2 | 8.25 | 500 | — | 33–40 | 500 |
| 7.2 | 8.25 | — | 40 | 40 | 500 |
| 13.8 | 15 | 500 | — | 18–23 | 500 |
| 13.8 | 15 | — | 25 | 25 | 500 |
| 13.8 | 15 | 750 | — | 28–36 | 500 |
| 13.8 | 15 | — | 40 | 40 | 500 |


Dimensions are in Inches

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