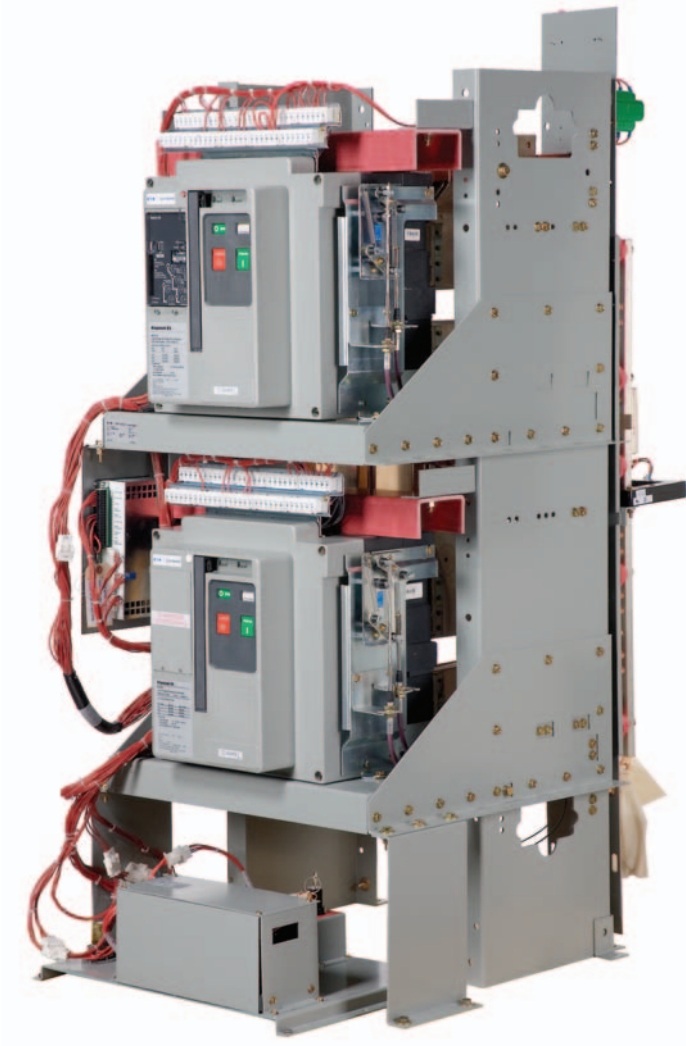


# Open Magnum ATS



## Product description

Magnum™ automatic transfer switches (ATS) can be applied for those applications requiring high interrupting ratings for critical standby power applications. For applications requiring an integrated solution with the ATS mounted in a larger distribution lineup, the Magnum ATS can be supplied in an open enclosure.

All of the key electrical components that comprise a Magnum transfer switch are mounted on a vertical chassis. This chassis can easily be mounted inside the larger distribution lineup. The ATC controller and its associated device panel are shipped loose for mounting on the distribution lineup structure door. Optional wire harness extenders are available. The Magnum ATS option/transformer panel is shipped loose for mounting beneath the vertical chassis.

The Source-1 and Source-2 power connections are accessible from the front. The load connections are accessible from the rear and are typically bussed to the distribution lineup.

## Electrical ratings

- Ratings 200, 300, 400, 600, 800, 1000, 1200, 2000, 2500, 3000 and 3200 amperes
- Three- or four-pole
- Up to 600 Vac, 50/60 Hz
- UL® 1008
- CSA® C22.2
- 100% rated
- 85 kA withstand
- Open or closed transition
- 30-cycle withstand rating

## Commercial design highlights

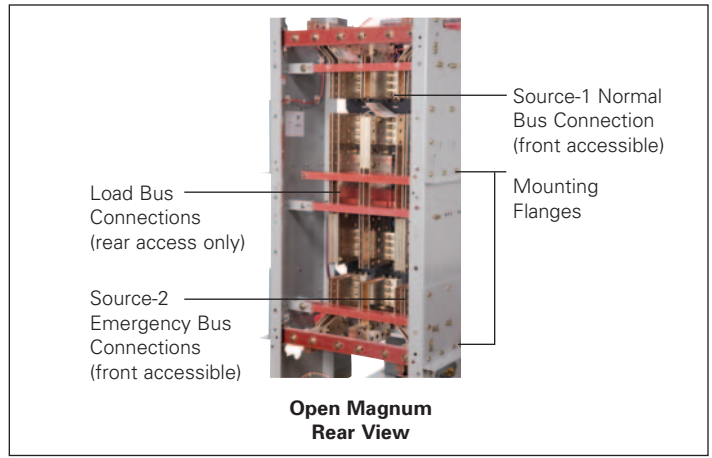
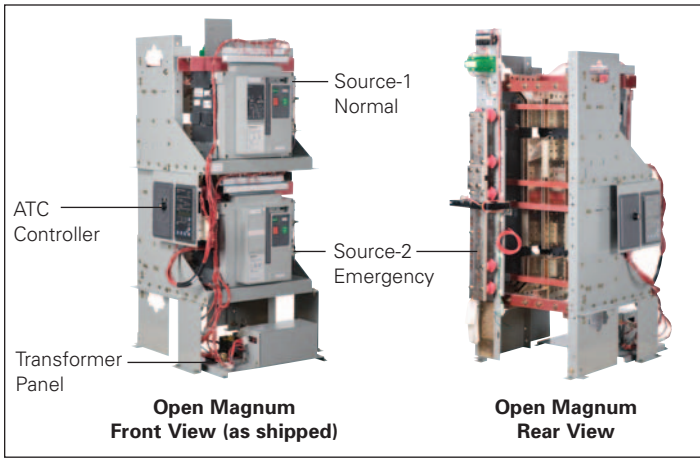
- Open enclosure
- Fixed mount only
- Magnum power case switches or power case breakers
  - Fastest switching times available (<3 cycles)
- Source-1 and Source-2 connections front accessible
- Load connections—bus connection in rear

## Features

- High withstand capability
- Stored energy switching device
- Ability to test power switching devices in TEST position
- Safe to transfer manually under full load
- Compact design
- Multi-tap voltage selection transformer
- Features the ATC-600 or ATC-800 controller
- Optional service entrance rated

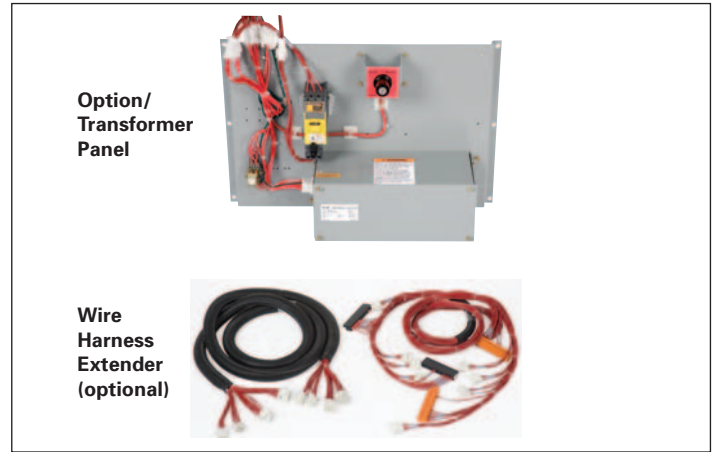
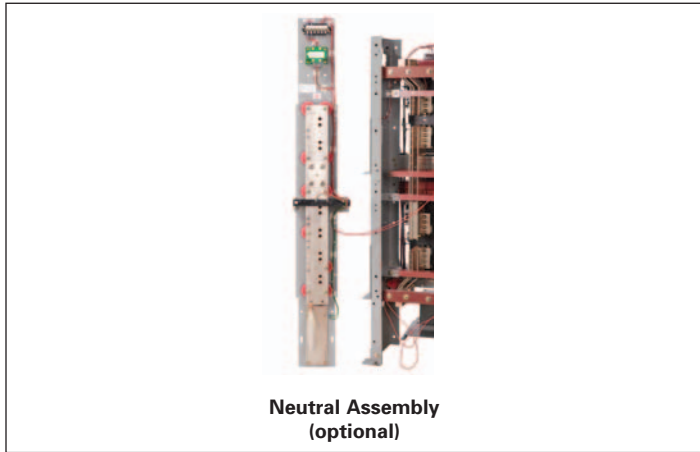


Powering Business Worldwide



The open Magnum is shipped on a single pallet with the ATC controller/device panel, option/transformer panel and neutral (if ordered), all side attached to the open Magnum chassis. The ATC controller and the device panel are mounted on a bracket for shipping purposes only. The open Magnum chassis has two side mounting flanges on each side used to support the chassis in the distribution gear.

The connections to the Source-1, Source-2 and load bus are made in the back of the structure. Terminals are not supplied unless ordered separately. When mounting the open Magnum chassis in a larger distribution structure, the load connections are typically bussed. When the load connections are bussed, then the Source-1 and Source-2 connections are front accessible.

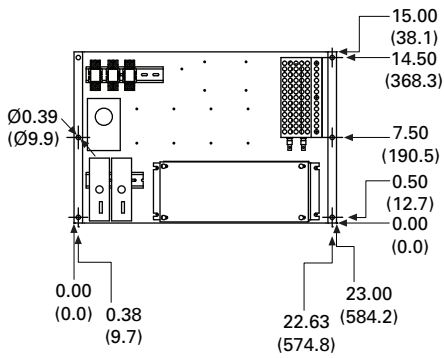


A neutral assembly—if ordered—is mounted on the back on the Magnum chassis only for shipping purposes. Once installed into the larger distribution equipment, the neutral can be mounted as required inside the larger assembly. Typically the larger distribution equipment has its own neutral assembly, and the Magnum neutral assembly is not required.

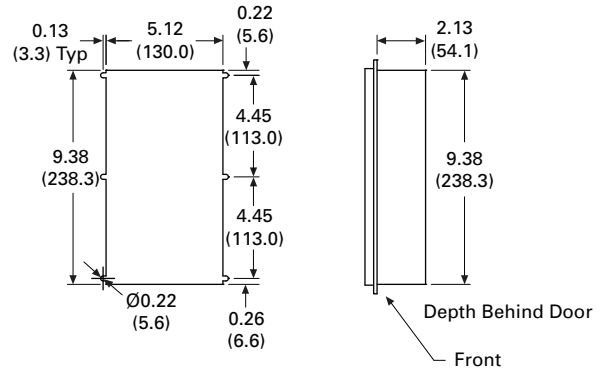
Optional 96-inch wire harness extenders are available for those applications where additional wire harness length is required between the ATC controller and the main Magnum mounting chassis. The option/transformer panel is typically mounted beneath the Magnum chassis. In addition to the multi-tap transformer, it will also contain additional relays, optional service entrance fused disconnect and keyed switch.



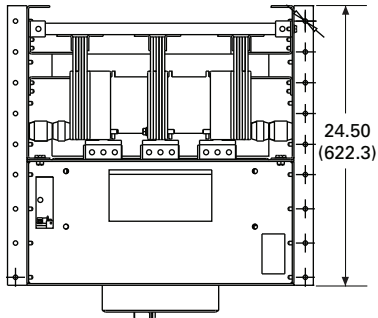
The ATC controller and associated device panel are side mounted for shipping purposes only. Once the open Magnum is integrated into the distribution equipment, then both the device panel and the controller will need to be door mounted onto the gear.



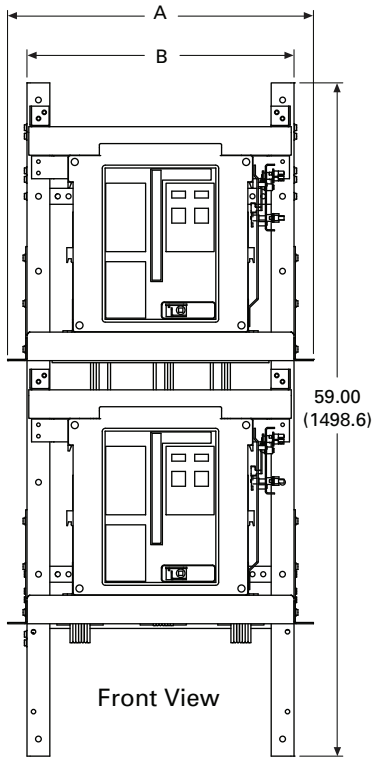
Option/Transformer Panel



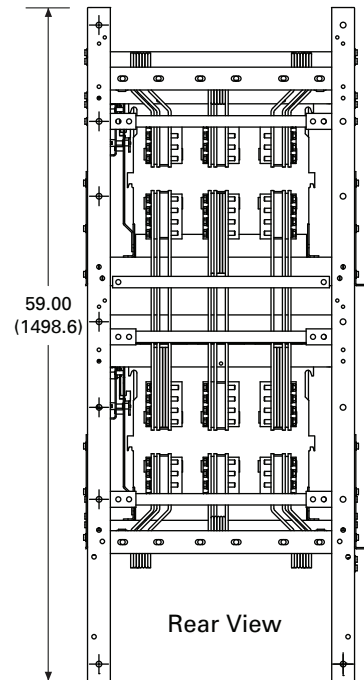
Device Cutout  
ATC-600/800  
(Scale: 1 = 0.5)



Top View



Front View



Rear View

	Three-Pole	Four-Pole
A inches (mm)	26.80 (680.7)	31.64 (803.7)
B inches (mm)	23.40 (594.4)	28.24 (717.3)
Weight lbs (kg)	1900 (861.8)	2000 (907.2)

**Notes:**

Dimensions shown in inches (mm).

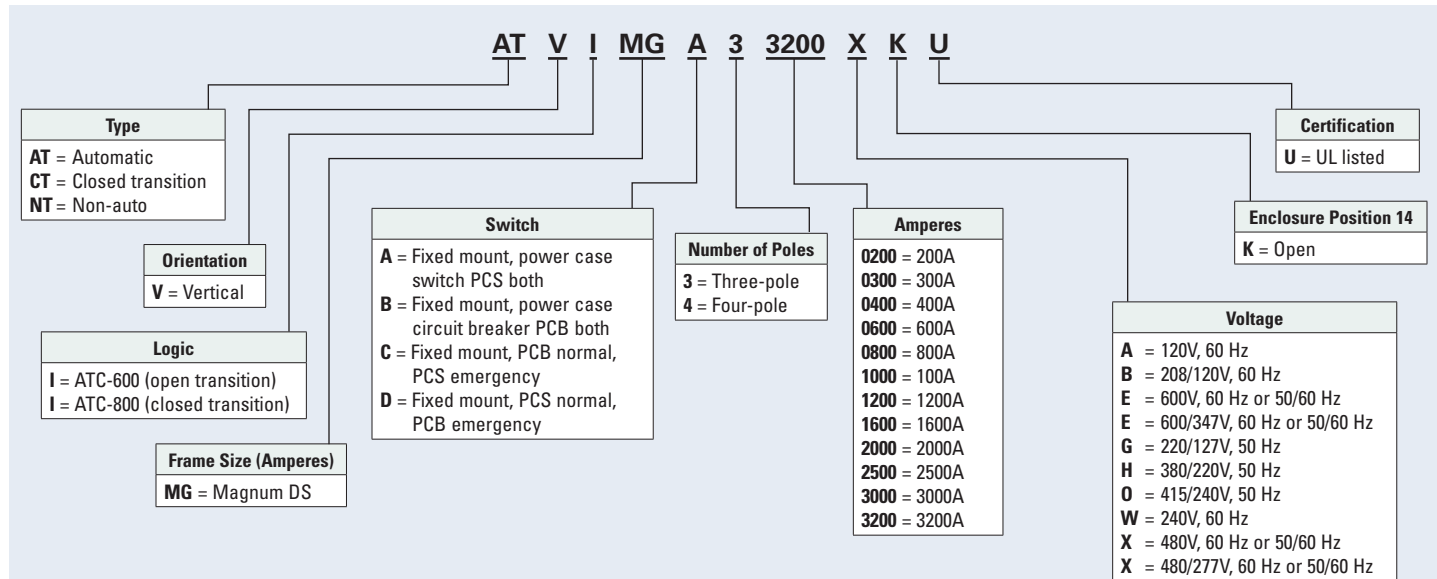
☉ Center of gravity.

Automatic, non-automatic, manual and service entrance controls provided based on customer order information.

## Withstand Table

Transfer Switch Ampere Rating	Rating When Used with Upstream Circuit Breaker 3-Cycle 600V (kA)	Rating When Used with Upstream Fuse 30-Cycle 600V (kA)
200	85	85
300	85	85
400	85	85
600	85	85
800	85	85
1000	85	85
1200	85	85
2000	85	85
2500	85	85
3000	85	85
3200	85	85

## Catalog Numbering System—Magnum, Automatic and Non-Automatic Transfer Switches, 200–3200 Amperes



The catalog number **ATVIMGA33200XKU** describes an ATS with the switching devices mounted vertically on a chassis in an open enclosure. The intelligence, represented by the ATC-600 is a microprocessor-based logic package. The Magnum breaker is used as the switching device and is a three-pole power case switch for each source.

The continuous current rating of this equipment is 3200A and is applicable at 480/277 Vac, 60 Hz. The transfer switch equipment is an open enclosure and is listed for Underwriters Laboratories UL 1008 and Canadian Standards Association (CSA) applications.

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