



SMART BUILDINGS RELEASE NOTE, OCTOBER 2020

Guard II noise isolation transformers

Enclosure change



Guard II noise isolation transformers provide common mode noise attenuation plus an enhanced level of transverse mode noise attenuation for increased protection of sensitive equipment. These units include noise and surge suppressors.

Application

Hospitals, data centers, critical care facilities

Target market

These units are for sale in the United States and are UL Listed and meet DOE 2016 efficiency standard.

Product highlights

Safe, Smart and Sustainable

Safe

- Outward facing feet and easy off front and back for rapid access during installation and service

Smart

- Noise and surge suppressors for extra protection of sensitive equipment

Sustainable

- Outstanding efficiency with unique core and coil design using grain-oriented silicon steel help lower operating costs.

Product characteristics – Technical characteristics

Enclosure change: Orders placed as of January 1, 2021 will receive the new enclosure. The new enclosure will be slightly larger and have outward facing feet. Please see the tables in this data sheet for current weights and dimensions and new weights and dimensions.

Product documentation

| Name | Doc # | Internal | External |
|-------------------|-------|----------|----------|
| BuyLog Section 10 | - | Yes | Yes |

Production site

Nogales, Mexico

Sales configurator

Guard II transformers are part of the empower platform.

Availability and delivery time

Check empower for availability and lead times.

Contacts

- ABB sales representative or agent
- ABB regional sales managers
- Patti Hussey, Product Marketing Manager
- Frank Basciano, Global Product Manager

Link to the website

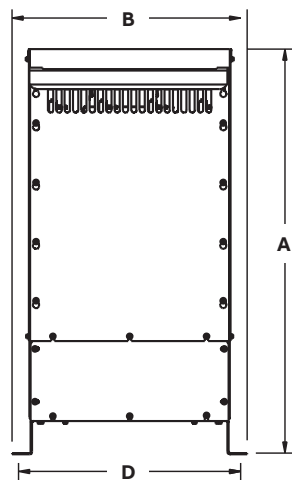
<https://electrification.us.abb.com/products/transformers/guard-ii-electrostatic-shielded-transformers>

Guard II transformers three phase DOE 2016 efficiency

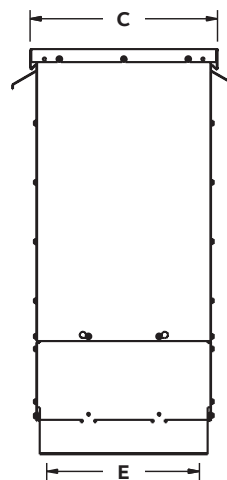
| Current Weight and Dimensions | | | | | Weight and Dimensions for orders as of January 1, 2021 | | | | | | | Outline Drawing No. | |
|-------------------------------|--------------------------------------------|------------------------------------------|----------------------|--------------|--------------------------------------------------------|--------------------------------------------|------------------------------------------|----------------------|--------------|--------------|--------------------------|---------------------|---------------|
| Frame Size | Aluminum Windings Approx. Net Weight (lbs) | Copper Windings Approx. Net Weight (lbs) | Enclosure Dimensions | | | Aluminum Windings Approx. Net Weight (lbs) | Copper Windings Approx. Net Weight (lbs) | Enclosure Dimensions | | | Mounting Feet Dimensions | | |
| | | | A Height (in) | B Width (in) | C Depth (in) | | | A Height (in) | B Width (in) | C Depth (in) | D Width (in) | | E Depth (in) |
| XV371 | 260 | 270 | 34.5 | 18.7 | 16.9 | 260 | 270 | 36.3 | 18.7 | 16.9 | 20.0 | 13.8 | 303B403AAP071 |
| XV372 | 370 | 420 | 41.3 | 23.8 | 18.4 | 370 | 420 | 43.8 | 26.2 | 18.4 | 25.1 | 15.3 | 303B403AAP072 |
| XV373 | 460 | 540 | 41.3 | 23.8 | 18.4 | 460 | 540 | 43.8 | 26.2 | 18.4 | 25.1 | 15.3 | 303B403AAP073 |
| XV374 | 680 | 770 | 44.8 | 31.8 | 24.0 | 680 | 770 | 44.8 | 34.3 | 24.0 | 33.1 | 21.0 | 303B403AAP074 |
| XV375 | 830 | 1010 | 49.1 | 31.8 | 24.0 | 830 | 1010 | 51.4 | 34.3 | 24.0 | 33.1 | 21.0 | 303B403AAP075 |

Product numbers

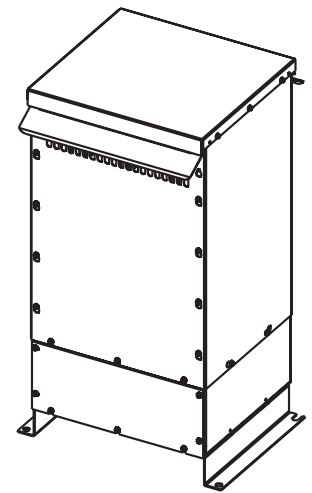
| Frame XV371 | Frame XV372 | Frame XV373 | Frame XV374 | Frame XV375 |
|--------------|--------------|--------------|--------------|--------------|
| 9T17A1001G03 | 9T17A1001G63 | 9T17A1002G63 | 9T17A1003G63 | 9T17A1004G63 |
| 9T17A1001G33 | 9T17A1002G03 | 9T17A1003G03 | 9T17A1004G03 | 9T17A1005G03 |
| 9T17A1451G03 | 9T17A1002G33 | 9T17A1003G33 | 9T17A1004G33 | 9T17A1454G63 |
| 9T17A1451G33 | 9T17A1451G63 | 9T17A1452G63 | 9T17A1453G63 | 9T17A1455G03 |
| 9T17C1001G03 | 9T17A1452G03 | 9T17A1453G03 | 9T17A1454G03 | 9T17C1004G63 |
| 9T17C1001G33 | 9T17A1452G33 | 9T17A1453G33 | 9T17A1454G33 | 9T17C1005G03 |
| 9T17C1451G03 | 9T17C1001G63 | 9T17C1002G63 | 9T17C1003G63 | 9T17C1005G33 |
| 9T17C1451G33 | 9T17C1002G03 | 9T17C1003G03 | 9T17C1004G03 | - |
| - | 9T17C1002G33 | 9T17C1003G33 | 9T17C1004G33 | - |
| - | 9T17C1452G03 | 9T17C1453G03 | 9T17C1454G03 | - |
| - | 9T17C1452G33 | 9T17C1453G33 | 9T17C1454G33 | - |



Front view



Side view



Isometric view

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