

## MT-CPT-4200V-500VA-120V

**500 VA Control Power Transformer - 4200V Input Voltage - 120V Output Voltage**

**Product ID: 335023**

**Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).**



Image: MT-CPT-4200V-500VA-120V

**Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.**

### MT-CPT-4200V-500VA-120V Control Power Transformer

**Transformer Type:** Control Power Transformer

**Transformer Configuration:** Dry Type

**Phase:** Single Phase

**Frequency:** 60 Hz

**Capacity:** 500 VA (500 VA)

**Primary Voltage:** 4200 V

**Primary Coil Configuration:** Vacuum Encapsulated In Epoxy To Seal Out Moisture And Contaminates, And To Provide A Higher Ability To Withstand Short-Circuit Forces Than Conventional Dry Type Transformers

**Secondary Voltage:** 120 V

**Material:** Copper

**Primary Termination:** 1/4"-20 brass screws

**Primary Tap Termination:** 1/4"-20 brass screws or #10 brass screws depending on the design selected, and are supplied with a copper link

**Tap Changer:** 3-Position Tap Changer

**Tap Qty:** (1) FCAN Above Taps, (1) FCBN Below Taps

**Tap %:** 7.50%

**Secondary Termination:** 1/2"-13 brass bolts supplied with series/parallel copper links

**Insulation:** 130°C

**Temperature Rise:** 80°C

**Lifting Provisions:** Included, (2) holes, Ø1.12

### Approvals/Ratings

Control Power Transformer

UL Listed

NRTL Listed for United States and Canada

NRTL Certified to CSA 22.2 NO 66.1

NRTL Certified to CSA 22.2 NO 66.2

NRTL Certified to UL 5085-1

NRTL Certified to 5085-2

### Tests

Meets all dielectric test requirements of IEEE 57.13

Includes full-wave and chopped-wave impulse tests

### Special Orders - Special Requirements



**Frame Material:** Zinc Plated Steel  
**Mounting:** Pole Top Mount  
**Dimensions:** 17"-L, 9.5"-H  
**Weight:** 130 Lbs

Contact us for special requirements  
**Toll Free:** 1-800-369-6671  
**Intl:** 1-903-270-1187  
**E-mail:** [sales@larsonelectronics.com](mailto:sales@larsonelectronics.com)

The MT-CPT-4200V-500VA-120V from Larson Electronics is a 500 VA Single Phase Control Power Transformer that is a completely dry-type transformer cast in epoxy, powerful and reliable. With high-quality silicon steel laminations providing optimal performance, the MT-CPT-4200V-500VA-120V provides increased reliability and protection against critical equipment failures. This control power transformer features a terminal block design that allows for hookup along with the ability to install fuse clips to the unit. The molded coil covers give this control transformer superior cooling abilities and a sleek appearance.

**Transformer Features:** With a transformer rating of 500 VA (500 VA), the MT-CPT-4200V-500VA-120V is a machine tool industrial single phase control power transformer with primary voltage of 4200V. It also provides a secondary voltage of 120V. Featuring compact construction, this unit's cores are manufactured with high-quality silicon steel laminations using state of the art technology.

Connecting this unit is simple thanks to the terminal connection numbers being molded into the terminal block which corresponds to the nameplate and wiring diagrams. A fin-shaped, injection molded coil cover gives this unit superior cooling abilities. The unit also features a 130°C insulation class with an 80°C temperature rise.

**Benefits:** The MT-CPT-4200V-500VA-120V control transformer offers many benefits to the consumer. Full encapsulation of the windings and internal terminations ensures that the unit is protected from moisture, dirt, dust and other contaminants. Removable finger safe terminal covers contribute towards the overall clean and sleek look of the unit. The design features make this a great choice for industrial tool applications.

This control transformer has heavy steel mounting feet that are either welded or bolted to the core. This transformer features terminal block terminations.

**Applications:** The CPT Transformer is an outdoor, self-cooled, single-phase, dry-type control power transformer designed to provide control power in medium voltage switchgear. Nominal primary voltages range from 0.48 kV to 14.4 kV at 60 Hertz. Secondary voltages are configured for series/parallel operation at 120 V or 240 V.

Larson Electronics is a manufacturer and as such can build stationary and portable transformer systems to your specifications. Although we carry several models of power distribution transformer systems, we can deliver custom ordered units almost as quickly as our prebuilt units. If this model does not meet your needs, please contact us at 1-800-369-6671 or [sales@larsonelectronics.com](mailto:sales@larsonelectronics.com) to discuss your specific requirements.



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## Frequently Asked Questions (FAQ)

There are no Faqs



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**Export Control Classification Number (ECCN):** EAR99



Links (Click on the below items to view):

- **HigResPic1**( <https://www.larsonelectronics.com/images/product/HigResPic1/335023.JPG> )
- **ISO 9001 Certification**( <http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF> )
- **Business Certificate**( <https://www.larsonelectronics.com/images/pdfdocs/w9.PDF> )
- **Shipping Time Map**( <https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf> )