

MT-PCX-3PH-277.480V-173KVA-277.480V-N3R

173 kVA PWM Voltage Regulator - 277/480V Wye 3PH Input, 277/480V Output - IP44/N3R

Product ID: 306548

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



Image: MT-PCX-3PH-277.480V-173KVA-277.480V-N3R

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-PCX-3PH-277.480V-173KVA-277.480V-N3R PWM Voltage Regulator

Transformer Type: PWM Voltage Regulator

Phase: Three

kVA: 173

Input Voltage: 277/480V +/- 15% (3PH Wye)

Max Input Current: 57~63 hz

Input Frequency: 225A (customer must supply 250A branch circuit breaker protected AC input wires)

AC Input Surge Protection: Heavy-duty, 3-stage surge protection circuit consists of L-C filter and 40 mm MOV's

Input Surge Protection Rating: Protects itself and connected load equipment from 6 kV, 3 kA surges (per IEEE/ANSI standard) hz

Capacity: 173 kVA

Output Voltage: 277/480V +/-3%

Maximum Output Current: 208A per each phase

Voltage Correction Speed : 10 ms typical (20 ms maximum)

Efficiency: Approximately 97% (for load of 50~100%)

Automatic Bypass: Activated during AVR fault conditions (during bypass, output is not regulated)

Automatic Voltage Regulator Design Topology: Three independent VRP (PWM voltage regulator operating at 20 kHz) are used; each phase is independently protected & regulated

LED Indicators: Green- Continuous On, Yellow- Bypass and Red- Fault

Ratings/Features

IP44

Thermostat-controlled Fans

Output Wires Must Be Rated 250A or Higher

Operating Temperature: 20 to +45 deg. C

Primary Termination: 5-position Terminal Block (for L1, L2, L3, Neutral & Earth Ground input wires)

Secondary Termination: 5-position Terminal Block (L1, L2, L3, Neutral & Ground)

Enclosure Material: Metal, with Swing Out Doors

Finish: Light Grey NEMA 3R

Dimensions: 30"W x 68"-H x 32"D

Weight: 1,400 lbs

Mounting: Floor Mount

Special Orders - Special Requirements

Contact us for special requirements

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The MT-PCX-3PH-277.480V-173KVA-277.480V-N3R 3 Phase Energy Efficient PWM Voltage Regulator from Larson Electronics is powerful, reliable and designed with the environment in mind. Suitable for outdoor applications, the MT-PCX-3PH-277.480V-173KVA-277.480V-N3R provides increased reliability and protection against critical equipment failures. The lower operating costs, lower heat emissions and lower cost of ownership make this transformer ideal for a wide range of applications and businesses. This power conditioning transformer provides a constant output voltage which is ideal for use in buildings that were not designed for the electrical demands of modern day office equipment.

Transformer Features: With a transformer rating of 173 kVA, the MT-PCX-3PH-277.480V-173KVA-277.480V-N3R power conditioning transformer is a three phase unit. It has an input voltage of three phase 277/480V AC Wye and an output voltage of three phase 277/480V AC with a maximum output current of 208A per phase. This power conditioning unit boasts a low cost of ownership and is highly energy efficient. The system is designed for floor mounting installations.

stallations.

Benefits: This power conditioning transformer provides owners with significant energy savings as well as offering environmental benefits. Higher efficiency not only extends the life of the unit, but also turn into cost savings for owners in the form of lower energy bills and decreased cost of ownership. The MT-PCX-3PH-277.480V-173KVA-277.480V-N3R is capable of suppressing voltage spikes and surges, has a quick response time to line and load changes and features inherent protections against overloads and short circuits.

Safety: The MT-PCX-3PH-277.480V-173KVA-277.480V-N3R is a power conditioning transformer which means that it provides operators with an increased level of protection against electric shock. A power conditioning transformer can also suppress electrical noise in sensitive devices and transfer power between two circuits which must not be connected. The MT-PCX-3PH-277.480V-173KVA-277.480V-N3R achieves these safety features by separating or "isolating" the powered device from the power source and insulation between the primary and secondary power sources.

Applications: General purposes.

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 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



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