

MT-TPT-VPM-IPT-R7-1P-SLG-4MVA-ZX-HZ-CZ-1Z-ZZ-Z-NC-M1

4 MVA Vacuum Pressure Impregnated Traction Power Interphase Transformer, 1500V DC, AAN, Class R, W/O Fans, VPI

Product ID: 342273



Image: MT-TPT-VPM-IPT-R7-1P-SLG-4MVA-ZX-HZ-CZ-1Z-ZZ-Z-NC-M1

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-TPT-VPM-IPT-R7-1P-SLG-4MVA-ZX-HZ-CZ-1Z-ZZ-Z-NC-M1 Vacuum Pressure Impregnated Traction Power Interphase Transformer

Transformer Type: Vacuum Pressure Impregnated (VPI), Traction Power Interphase Transformer, Extra Heavy Duty

Transformer Configuration: Dry Type, Ventilated

Phase: Single Phase

Capacity: 4 MVA

Vector Group: -

Primary Voltage: 1500V DC

Primary Voltage Class: 1.2 kV Class

Primary Phasor: Single Phase

Primary BIL: 45 KV

Secondary Voltage: N/A

Secondary Voltage Class: N/A

Secondary Phasor: N/A

Secondary Phasor Switch: N/A

Secondary BIL: N/A

Frequency: 360 Hz

Temperature Rise: 150°C

Cooling Class: AAN

Forced Air (Fans): None

Insulation Class: Class R (220°C)

Tap Changer: N/A

Tap Qty: N/A

Ratings

NRTL Listed for United States and Canada

Complies with ANSI / IEEE C57.12.00

Complies with ANSI / IEEE C57.12.01

Complies with ANSI / IEEE C57.12.35

Complies with ANSI / IEEE C57.12.59

Complies with ANSI / IEEE C57.12.70

Complies with IEEE Std 1653.1-2016

Meets/Exceeds DOE 2016 Efficiency Ratings

Meets/Exceeds CSA Efficiency Ratings

Meets or Exceeds NEMA ST-20 Standards

Seismic Qualified for Earthquake Loads

RoHS Certified

CE Certified

Efficiency %: 99.30%

Based on transformer operating at 50% of nameplate base kVA.

Load Losses at 145°C Reference Temp.

No Load Loss (in watts): -

Full Load Loss (in watts): -

Tap %: N/A

Tap Changer Switch Location: N/A

Impedance (at 120°C): 5.0-7.5% Typical

Max. Unbalance: 10%

Connections: N0, N1, N2

Connection Material: Silver Plated Copper

Metering Current Transformer (CT): N/A

Metering Panel: N/A

Auxiliary Control Panel: N/A

Load Break Switch: N/A

Load Break Switch Qty: N/A

Load Break Switch Location: N/A

Rectifier Pulses: 12-Pulses

Efficiency Standard(s): DOE 2016, IEEE, ANSI

K-Factor Rating (Harmonic Mitigation): K-1 (Standard)

Pulse Drive Rating: 12-Pulse Rectifier

Temperature Sensors in Coil: Included

Temperature Measuring Device: Included, 126DT

Monitoring Device: Included, 180DM

Seismic Bracing: Included

Weather Shield: N/A

Space Heaters: N/A

Vibration Dampening Pads: Included

Winding Material: Copper

Ambient Temperature Rating: 40°C

Sound Level: 63 dBA

Elevation (Altitude) Rating: 3300ft (1000 meters) Above Sea Level

Enclosure Material: Coated Steel

Enclosure Rating: N/A

System Form Factor: N/A

Paint Type: Epoxy Paint

Finish: ANSI 61 Grey

Mount: Pad Mount / Floor Mount

Dimensions: -

Weight: -

*Please note that numbers are approximate and subject to change

Total Load Loss (in watts): -

Note: Losses offered are typical only, not guaranteed

Special Orders - Special Requirements

Contact us for special requirements

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The MT-TPT-VPM-IPT-R7-1P-SLG-4MVA-ZX-HZ-CZ-1Z-ZZ-Z-NC-M1 Vacuum Pressure Impregnated Traction Power Interphase Transformer from Larson Electronics rated at 1500V DC. This power traction unit provides operators the ability to safely tap into and generate 4 MVA AC power from a variety of sources, such as direct grid power. The entire system is secured to a skid mount platform.

****PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO POWER DISTRIBUTION PANELS, TRANSFORMERS, OR SUBSTATIONS****

Transformer Features: With a transformer rating of 4 MVA, the industrial dry type transformer features a single phase 1500V DC. This transformer isn't equipped with a tap changer. The system has copper windings for high strength and electrical conductivity. This VPI transformer features minimized air gaps and voids in the insulation, leading to increased durability and thermal stability.

The MT-TPT-VPM-IPT-R7-1P-SLG-4MVA-ZX-HZ-CZ-1Z-ZZ-Z-NC-M1 does not have fans or mounting provisions for fans.

Transformer Efficiency: The Class R transformer meets standard efficiency requirements. High efficiency makes this unit suitable for use in electrical rooms, air conditioned spaces in buildings, underground vaults and similar locations, in addition to outdoor areas.

Temperature Sensor: The MT-TPT-VPM-IPT-R7-1P-SLG-4MVA-ZX-HZ-CZ-1Z-ZZ-Z-NC-M1 is equipped with temperature sensors inside the system for controls and monitoring. A monitoring service is not included with the transformer.

Temperature Gauge: This transformer comes with a temperature gauge.

Load Break Switch: This VPI transformer does not include a load break switch. We can add a load break switch at an additional cost.

Surge Arresters: This transformer does not include surge arresters. Designed for over-voltage and transient voltage protection, the components prevent damage caused by lightning, internal switching or voltage surges. We can offer models without surge arresters that have mounting provisions for customer-provided surge arresters.

Control Transformer: This VPI transformer does not include a control transformer. We can add a control transformer for operating equipment at an additional cost.

Seismic Bracing: This system does not include seismic bracing. We can add seismic bracing for added protection in areas prone to earthquakes at an additional cost.

Weather Shield: This transformer does not include a weather shield. We can add a weather shield for protection in outdoor areas, humid environments and rodents at an additional cost.

Space Heaters: This system does not include a space heater. We can add a space heater for preventing condensation during extended shutdown at an additional cost.

Enclosure Design: This VPI transformer is not protected by an enclosure.

Mount: The power traction unit is mounted atop a skid plate base that allows this transformer to easily be moved from one location to another using a forklift. The skid platform is designed for serious use and is ruggedly constructed to withstand demanding conditions and heavy duty industrial applications. The industrial grade skid platform can be modified to meet the needs of job-site requirements.

Benefits: The MT-TPT-VPM-IPT-R7-1P-SLG-4MVA-ZX-HZ-CZ-1Z-ZZ-Z-NC-M1 transformer offers many benefits to consumers. This transformer provides owners with significant energy savings, as well as offering environmental benefits. Higher efficiency not only extends the life of the transformer, but also turns into cost savings for owners in the form of lower energy bills and decreased cost of ownership.

Applications: General purposes, industrial sites, electrical rooms, underground vaults, manufacturing facilities, steel plants, offshore, commercial, military, processing plants, electric power distribution, utilities, public locations and more.

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