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MT-PDT-VPM-R7-1P-SNH-37.5KVA-SLZ-A6-DZ-CS-1Z-ZZ-Z-N3R-M3

37.5 KVA Vacuum Pressure Impregnated Transformer - 2400V 1PH Primary, 120/240V 1PH Secondary - ANN/Class H, 304 Stainless Steel

Product ID: 310201



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-PDT-VPM-R7-1P-SNH-37.5KVA-SLZ-A6-DZ-CS-1Z-ZZ-Z-N3R-M3 Vacuum Pressure Impregnated Transformer

Transformer Type: Vacuum Pressure Impregnated (VPI) Transformer
Transformer Configuration: Dry Type
Phase: Single Phase
Capacity: 37.5 KVA
Vector Group: Il6
Primary Voltage: 2400V
Primary Voltage Class: 2.5 kV Class
Primary Phasor: Single Phase
Primary BIL: 45 KV
Secondary Voltage: 120/240V (L-N-L)
Secondary Voltage Class: 1.2 kV Class
Secondary Phasor: Single Phase
Secondary BIL: 30 KV
Frequency: 60 Hz
Temperature Rise: 80°C
Cooling: ANN
Forced Air (Fans): N/A
Insulation Class: Class H
Tap Changer: Included, 5-Position Tap Changer
Tap Qty: (2) FCAN Above, (2) FCBN Below
Tap %: 2.5%
Tap Changer Switch Location: N/A
Impedance (at 120°C): TBD
Primary Connection Type: Terminal Lugs
Primary Termination: -
Primary Connection Qty: (2)

Ratings

Listed for United States and Canada
NEMA 3R Enclosure, Indoor/Outdoor
Rated for Marine Environments
Rated for Coastal Outdoor Installation Applications

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

Load Losses at 145°C Reference Temp.
Fixed Load Loss (in watts): TBD
Full Load Loss(in watts): TBD
Total Load Loss (in watts): TBD

Note: ***Losses offered are typical only, not guaranteed***

Primary Surge Arrestors: N/A
Primary Surge Arrestor Voltage Rating: N/A
Primary Surge Arrestor MCOV Rating: N/A
Primary Over Current Protection (OCP): N/A
Primary Over Current Protection Method: N/A
Primary Over Current Protection Holder: N/A
Primary Grounding Provisions: N/A
Secondary Connection Type: Terminal Lugs
Secondary Connections: -
Secondary Connection Qty: (3)
Secondary Over Current Protection (OCP): N/A
Secondary Grounding Provisions: N/A
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
Efficiency Standard(s): TBD
K-Factor Rating (Harmonic Mitigation): K-1 (Standard)
Temperature Sensors in Coil: Included
Temperature Gauge: Included
Seismic Bracing: N/A
Weather Shield: N/A
Cabinet Space Heaters: N/A
Winding Material: Copper
Ambient Temperature Rating: N/A
Sound Level: 45 dBA
Elevation Rating: 3300ft Above Sea Level
Core Material: Non Aging Silicon Steel
Enclosure Material: 304 Stainless Steel
Enclosure Rating: NEMA 3R Weatherproof
System Form Factor: N/A
Paint Type: N-
Finish: ANSI 61 Grey
Mount: Pad Mount
Dimensions: 37"-W x 28"-D x 44"-H
Weight: 485 lbs
*Please note that numbers are approximate and subject to change

Special Orders - Special Requirements
Contact us for special requirements

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The MT-PDT-VPM-R7-1P-SNH-37.5KVA-SLZ-A6-DZ-CS-1Z-ZZ-Z-N3R-M3 from Larson Electronics is a Vacuum Pressure Impregnated Transformer that converts single-phase 2400V to single-phase 120/240V L-N-L. This power distribution unit provides operators the ability to safely tap into and distribute 37.5 KVA AC power from a variety of sources, such as direct grid power. The entire system is secured to a skid mount platform Rated for marine environments and coastal outdoor installation applications, the NEMA 3R transformer is protected by a 304 stainless steel enclosure.

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

Transformer Features: With a transformer rating of 37.5 KVA, the industrial dry type transformer features a primary voltage of single-phase 2400V and a secondary voltage of single-phase 120/240V L-N-L. This transformer is equipped with a tap changer with five, +/- 2.5% taps (two FCAN above and two FCBN below) to allow small changes for voltage. 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-PDT-VPM-R7-1P-SNH-37.5KVA-SLZ-A6-DZ-CS-1Z-ZZ-Z-N3R-M3 does not have fans or mounting provision for fans.

Transformer Efficiency: The Class H 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-PDT-VPM-R7-1P-SNH-37.5KVA-SLZ-A6-DZ-CS-1Z-ZZ-Z-N3R-M3 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 is not equipped with a load break switch.
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 protected by a 304 stainless steel housing. The enclosure carries a NEMA 3R rating for protection from exposure to moisture, rain, dust, debris and corrosion. The transformer is rated for marine environments and coastal outdoor installation applications.
Mount: The power distribution 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-PDT-VPM-R7-1P-SNH-37.5KVA-SLZ-A6-DZ-CS-1Z-ZZ-Z-N3R-M3 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)