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MT-PML-R7-1P-DMT.NC-333KVA-SW-LT-DF-A6-BM-AZ-2ZZ-M1

333 KVA Pad Mount Transformer - 12000V x 7200V Delta Primary, 120V Secondary - Mineral Oil Fluid / ONAN - Aluminum Windings - Grey

Product ID: 309877

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



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-PML-R7-1P-DMT.NC-333KVA-SW-LT-DF-A6-BM-AZ-2ZZ-M1 Pad Mount Transformer

Phase: Single Phase
Capacity: 333 KVA
Primary Voltage: 12000V x 7200V
Primary Voltage Switch: Included
Primary Voltage Class: 15 kV
Primary BIL: 95 kV
Primary Phasor: Delta x Delta
Secondary Voltage: 120V (L-N) ± 8.5%
Frequency: 60 Hz
Temperature Rise: 65°C
Forced Air (Fans): None
Tap Changer: 33-Position Tap Changer
Tap Changer Qty: (16) Taps Above, (16) Taps Below
Tap Changer %: 5/8%
Primary Insulation: (3) Porcelain Bushings
Primary Termination: (3) NEMA 4-Hole Pad Terminals
Secondary Connections: 1"-14 x 1-3/4" Copper Stud
Well Bushings w/ Inserts: -
Efficiency: Meet DOE 2016 Standard
Insulation Fluid: Mineral Oil
Fluid Capacity: 124.67 Gallons

Ratings

Complies with ANSI / IEEE #C57.12.25
Penta-head Entry Assembly

Cooling Class: ONAN
Grounding Pads: Included, (2) Ground Pads, each with bronze surface for connection of tank to the substation ground
Control Panel: Included, Schweitzer model number 2431
Liquid Level Gauge: Analog
Temperature Gauge: Analog
Pressure/Vacuum Gauge: Analog
Pressure Relief Device: N/A
Fill Valve: Included
Drain Valve w/ Sampler: Included
Surge Arrestors: Included, (1) 15 kV High Elbow Surge Arrestor, Station Class
Protection Fuses: N/A
Load Break Switch: N/A
Communication Module: Included, Fiber Optic
Front: Dead Front Primary, Live Front Secondary
Feed: Loop
Winding Material: Aluminum
Ambient Temperature Rating: -
Sound Level: 56 dBA
Housing: Coated Steel, Tamper Resistant w/ Pad-lockable Lift-up Lid
Paint Type: Munsell™ 5BG 7.0/0.4 Light Grey (ANSI #70) Paint and Undercoating
Mounting: Pad Mount
Conduit Opening: Bottom Entry
Dimensions: 55.12"-W x 55.91"-D x 33.46"-H
Weight: 3637.57 lbs

Special Orders - Special Requirements
Contact us for special requirements
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The MT-PML-R7-1P-DMT.NC-333KVA-SW-LT-DF-A6-BM-AZ-2ZZ-M1 Industrial Pad Mount Transformer from Larson Electronics offers powerful, reliable and efficient power distribution in indoor, outdoor, and public locations. The low operating costs, low heat emissions and low cost of ownership makes this transformer ideal for a wide range of applications and businesses. An enclosed design caters to installations on concrete pads without protective fencing.
PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO POWER DISTRIBUTION PANELS, TRANSFORMERS, OR SUBSTATIONS*
Transformer Features: With a transformer rating of 333 kVA, the industrial transformer features a primary voltage of single-phase 12000V x 7200V Delta and a secondary voltage of single-phase 120V (L-N). The unit has a primary loop feed and dead-front primary connections. We also offer systems with radial feed and dead front primary/live front secondary connections. This transformer features a 33-position tap changer with (16) +/- 5/8% taps above and (16) +/- 5/8% taps below to allow small changes for voltage. This pad mount transformer features primary well bushings and standard spade connectors on the secondary side. Equipped with aluminum windings, this transformer consists of one coil and two core loops.
The MT-PML-R7-1P-DMT.NC-333KVA-SW-LT-DF-A6-BM-AZ-2ZZ-M1 is air cooled and does not have fans or mounting provision for fans. This unit features a 65°C temperature rise for reduced heat waste, increased reliability and longer life. The transformer meets DOE 2016 efficiency standards. The combination of low temperature rise and 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.
Insulation Fluid: The MT-PML-R7-1P-DMT.NC-333KVA-SW-LT-DF-A6-BM-AZ-2ZZ-M1 features mineral oil insulation fluid. We offer transformers with FR-3 oil fluid, if needed.
Gauges: The following gauges are included with the system: liquid level, temperature and pressure/vacuum gauges. Standard liquid level, temperature and pressure/vacuum gauges are analog, manual reading types. These gauges do not have auxiliary contacts.
Fault Pressure Devices: This transformer features an automatic action fault pressure device. Fault pressure devices are used to detect high rates of pressure rise within the tank.
Rapid Rise Relay: There are no rapid rise relays on the unit. This safety

component is designed for protection when a rapid increase in tank pressure occurs. The relay is suitable for detecting sudden pressure fluctuations above predetermined safe limits.
Surge arresters: This system comes with surge protection.
Load Breaker Switch: The MT-PML-R7-1P-DMT.NC-333KVA-SW-LT-DF-A6-BM-AZ-2ZZ-M1 is not equipped with a load break switch.
Valves: The MT-PML-R7-1P-DMT.NC-333KVA-SW-LT-DF-A6-BM-AZ-2ZZ-M1 is equipped with a fill valve and drain valve with sampler port.
Protection Fuses: This transformer doesn't contain bayonet protection fuses. For units without protection fuses, up stream protection is provided. We recommend provisions for protection fuses when possible, as blown fuses may require more frequent oil changes.
Mount: The heavy-duty enclosure makes the unit suitable for both indoor and outdoor applications. This power distribution system can be pad mounted on concrete pads.
Benefits: The MT-PML-R7-1P-DMT.NC-333KVA-SW-LT-DF-A6-BM-AZ-2ZZ-M1 pad mount 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)

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