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**MT-PML-R7-1P-GMQ.NF-167KVA-SZ-LT-DF-A6-BM-CZ-2B4-M1**

# 167 KVA Pad Mount Transformer - 13200Y/7620 & 4160Y/2400 Grounded Wye Primary, 240/120V Secondary - Mineral Oil Fluid /ONAN

**Product ID: 297872**



**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-GMQ.NF-167KVA-SZ-LT-DF-A6-BM-CZ-2B4-M1 Pad Mount Transformer**

**Phase: Single Phase**
**kVA: 167**
**Primary Voltage: 13200GrdY/7620 & 4160GrdY/2400**
**Primary Voltage Switch:** Dual Voltage Selector Switch
**Secondary Voltage: 240/120V (L-N-L)**
**Frequency: 60 Hz**
**Temperature Rise: 60°C**
**Forced Air (Fans): None**
**Tap Changer: 5-position Tap Changer, (2) +/- 2.5% Taps Above, (2) +/- 2.5% Taps Below**
**Primary Insulation: Well Bushings**
**Secondary Connections: Standard Spade Connectors**
**Well Bushings w/ Inserts: -**
**Efficiency: Meet DOE 2016 Standard**
**Insulation Fluid: Mineral Oil**
**Fluid Capacity: -**
**Cooling Class: ONAN**
**Liquid Level Gauge: Analog**
**Temperature Gauge: Analog**
**Pressure/Vacuum Gauge: Analog**
**Pressure Relief Device: -**
**Fill Valve: Included**
**Drain Valve w/ Sampler: Included**
**Surge Arrestors: High Elbow Surge Arrestors on Primary**
**Protection Fuses: Bayonet Fusing**
**Load Break Switch: 4-postion Load Break Switch**
**Front: Dead Front Primary, Live Front Secondary**

**Ratings**

Complies with ANSI / IEEE #C57.12.25
Pentahead Entry Assembly

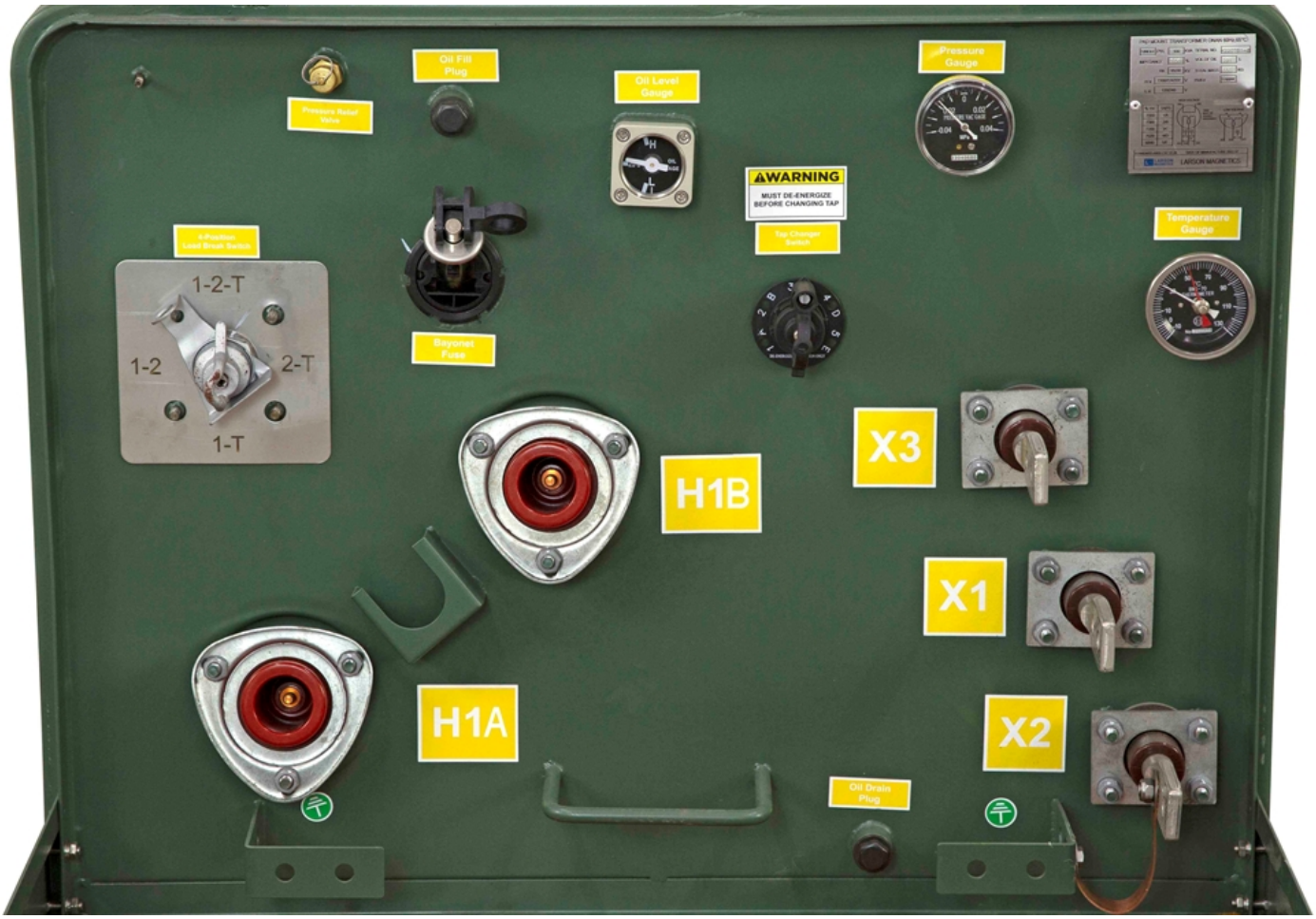
**Feed: Loop**
**Winding Material: Copper**
**Ambient Temperature Rating: -**
**Sound Level: -**
**Housing: Coated Steel, Tamper Resistant w/ Padlockable Lift-up Lid**
**Paint Type: Munsell Green Paint and Undercoating**
**Mounting: Pad Mount**
**Conduit Opening: -**
**Dimensions: 30" x 47" x 36"**
**Weight: +/- 1650 lb**

**Special Orders- Requirements**
Contact us for special requirements
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**The MT-PML-R7-1P-GMQ.NF-167KVA-SZ-LT-DF-A6-BM-CZ-2B4-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 167 kVA, the industrial transformer features a primary voltage of single-phase 13200Y/7620 & 4160Y/2400 Grounded Wye and a secondary voltage of single-phase 240/120V (L-N-L). 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 5-position tap changer with (2) +/- 2.5% taps above and (2) +/- 2.5% 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 copper windings, this transformer consists of one coil and two core loops.
The MT-PML-R7-1P-GMQ.NF-167KVA-SZ-LT-DF-A6-BM-CZ-2B4-M1 is air cooled and does not have fans or mounting provision for fans. This unit features a 60°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-GMQ.NF-167KVA-SZ-LT-DF-A6-BM-CZ-2B4-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 Arrestors:** This system comes with high elbow surge arrestors on the primary side. 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 high elbow surge arrestors that have mounting provisions for customer-provided surge arrestors.
**Load Breaker Switch:** The MT-PML-R7-1P-GMQ.NF-167KVA-SZ-LT-DF-A6-BM-CZ-2B4-M1 is equipped with a load break switch. This switch has four positions: A side on + transformer on, B side on + transformer on, A and B sides + transformer on, and A and B sides + transformer off.
**Valves:** The MT-PML-R7-1P-GMQ.NF-167KVA-SZ-LT-DF-A6-BM-CZ-2B4-M1 is

equipped with a fill valve and drain valve with sampler port.
**Protection Fuses:** This transformer contains bayonet protection fuses on the primary side. 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-GMQ.NF-167KVA-SZ-LT-DF-A6-BM-CZ-2B4-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.


NO PCBs
LARSONELECTRONICS.COM
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WARNING
HAZARDOUS VOLTAGE INSIDE.
KEEP OUT!
Can shock, burn or cause death.
If found damaged or unlocked call your local utility company.
WARNING
Underground power cables are located in this area.
Before digging call 811.
Can shock, burn or cause death.
NOTICE


Pressure Relief Valve
Oil Fill Plug
Oil Level Gauge
Pressure Gauge
WARNING
MUST DE-ENERGIZE BEFORE CHANGING TAP
Tap Changer Switch
Temperature Gauge
4-Position Load Break Switch
1-2-T
1-2
2-T
1-T
Bayonet Fuse
H1B
X3
X1
H1A
X2
Oil Drain Plug





# Frequently Asked Questions (FAQ)