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MT-PML-R7-3P-DMV-1MVA-YK-LT-DF-A6-BF-CZ-2B4-M1

1 MVA Pad Mount Transformer - 11000V Delta Primary, 400Y/231 Wye-N Secondary - KNAN/Bell Green

Product ID: 309264

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-R7-3P-DMV-1MVA-YK-LT-DF-A6-BF-CZ-2B4-M1 3PH Pad Mount Transformer	Ratings
Transformer Type: Pad Mounted, Compartmental-Type	Meets/Exceeds DOE 2016 Efficiency Ratings
Transformer Configuration: Liquid Filled Pad Mounted	Complies with ANSI / IEEE C57.12.00
Transformer Feed Type: Loop Feed	Complies with ANSI / IEEE C57 12.28
Phase: Three Phase	Complies with ANSI / IEEE C57 12.34
Capacity: 1000 KVA (1 MVA)	Complies with ANSI / IEEE C57.12.70
Vector Group: Dyn1	Complies with ASTM D3487
Primary Voltage: 11000V	Penta-head Entry Assembly
Primary Voltage Class: 15 kV Class	High-Fire Point Natural Ester Insulating Fluid
Primary Phasor: Delta	Non-PCB Insulating Fluid
Primary BIL: 95 kV	Tamper Proof Housing
Secondary Voltage: 400Y/231	Hinged Front Compartment Doors, Pad Lockable
Secondary Voltage Class: 1.2 kV Class	Hot Stick Included, HV Door Mount
Secondary Phasor: Wye-N	
Secondary BIL: 30 kV	**Efficiency %:** 99.20%
Frequency: 60 Hz	*Based on transformer operating at 50% of nameplate base kVA.*
Temperature Rise: 65°C	
Cooling Class: KNAN; Self-Cooled	**Load Losses Based on 85°C Reference Temp.**
Forced Air (Fans): None	**No Load Loss (in watts): +/- 1,300W**
Tap Changer: 5-Position Tap Changer	**Full Load Loss (in watts) at 100%: +/- 8,500W**
Tap Qty: (2) FCAN Above Taps, (2) FCBN Below Taps	**Total Load Loss (in watts) at 100%: +/- 9,800W**
Tap %: 2.5%	
Tap Changer Switch Location: High Voltage (HV) [Left Side] Front Compartment	**Total Losses at 55°C LL Temp.& 20°C NL Temp.**
Impedance: 5.0-7.5% Typical, Target 5.75%	**Total Load Loss (in watts) at 50%: +/- 3,221W**
Primary Connection Type: Dead Front w/ Ground Strap	***Note: Losses offered are typical only, not guaranteed***

Primary Termination: Well Bushings w/ Removable Studs, 600A Dead Break Elbows
Primary Connection Qty: (6) Secondary Connections w/ (6) Standoff Brackets for Parked Elbows

Primary Bushing Rating: 15 kV Class, 95 kV BIL

Primary Surge Arrestors: Included, (3) High Voltage Elbow Surge Arrestors
Primary Surge Arrestor Voltage Rating: N/A
Primary Surge Arrestor MCOV Rating: N/A
Primary Over Current Protection (OCP): Bayonet Fuses
Primary Over Current Protection Method: Fused
Primary Over Current Protection Holder: Bayonet Fuse Holder w/ Drip Shield

Secondary Connection Type: Live Front w/ End Supports for Spade Terminals

Secondary Connections: NEMA Spade Terminals, 6-Hole Spade, Externally Clamped, Accepts up to (6) Double Lug Connections with (3) Cables per side of Spade Connector

Secondary Connection Qty: (4), Staggered Terminal Arrangement

Secondary Bushing Rating: 1.2 kV Class, 30 kV BIL

Secondary Over Current Protection (OCP): N/A

Grounding Provisions: (1) Grounding Lug
Metering Current Transformer (CT): N/A
Metering Panel: N/A
Auxiliary Control Panel : N/A
Load Break Switch: 4-Position Load Break Switch
Load Break Switch Qty: (1)
Load Break Switch Location: High Voltage (HV) Front Compartment
Efficiency Standard(s): Meets DOE 2016 Standards, Meets ANSI/IEEE Standards
K-Factor Rating (Harmonic Mitigation): K-1 (Standard)
Pulse Drive Rating: N/A
Insulation Fluid: FR-3 Insulating Fluid - Non-PCB Fluid
Fluid Capacity: 212 Gallons
Fluid Weight: 1,631 Lbs
Liquid Level Indicator: Analog Dial Gauge
Temperature Indicator: Analog Dial Gauge
Pressure/Vacuum Indicator: Analog Dial Gauge
Pressure Relief Device: Included, Automatic Action
Fill Valve: Removable Bolt
Fill Valve Location: Front Compartment
Drain Valve: Included, Drain Valve w/ Sampler
Drain Valve Location: Front Compartment
Winding Material: Copper
Ambient Temperature Rating: 40°C
Sound Level: 58 dBA
Elevation Rating: 3300ft (1000 meters) Above Sea Level
Core Material: Grain Oriented Steel
Tank Material: Coated Steel
Cabinet Material: Coated Steel
Base Platform Material: Coated Steel
Enclosure Rating: NEMA 3R Weatherproof
Housing Type: Compartmental Air-Filled Cabinet w/ Locking Doors, HV Compartment Left, LV Compartment Right, Steel Barrier Separation
Paint Type: Weatherproof and UV Resistant Epoxy Coating and Undercoating
Finish Color: Munsell™ 7.0 GY 3.29/1.5 Bell Green
Mounting: Pad Mounted
Conduit Opening: Bottom Feed Underground Entry/Exit
Dimensions: 73"-W x 69"-D x 73"-H
Weight: 6,834 Lbs
*Please note that numbers are approximate and subject to change

Special Orders - Special Requirements
Contact us for special requirements
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Frequently Asked Questions (FAQ)

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- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- HigResPic9
- HigResPic10
- Video1
- Video2
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map