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MT-PSTC-R7-3P-DXN-90MVA-GMA-HT-LT-X6-BMFF-CZ-2ZZ-M1

90/120/150 MVA Substation Power Transformer, Conservator Type - 230000V Delta Primary, 34500Y/19920 Grounded Wye Secondary - ONAN/ONAF/ONAF, Mineral Oil - Dark Grey

Product ID: 306555



Image: MT-PSTC-R7-3P-DXN-90MVA-GMA-HT-LT-X6-BMFF-CZ-2ZZ-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-PSTC-R7-3P-DXN-90MVA-GMA-HT-LT-X6-BMFF-CZ-2ZZ-M1 Conservator Transformer

Transformer Type: Substation Power Transformer, Conservator Type
Transformer Configuration: Liquid Filled
Transformer Feed Type: N/A
Operation: Step-Down Operation (Approved for Step-Up)
Phase: Three Phase
Capacity (w/o Fans): 90 MVA (90,000 KVA)
Capacity (w/ Fans, Stage 1): 120 MVA (120,000 KVA)
Capacity (w/ Fans, Stage 2): 150 MVA (150,000 KVA)
Vector Group: DYN1
Primary Voltage: 230000V
Primary Voltage Switch: N/A
Primary Voltage Class: 230 kV Class
Primary Phasor: Delta
Primary BIL: 900 KV
Secondary Voltage: 34500Y/19920
Secondary Voltage Class: 35 kV Class
Secondary Phasor: Grounded Wye
Secondary BIL: 200 KV
Tertiary winding: N/A
Frequency: 60 Hz
Temperature Rise: 65°C, 80°C Hot Spot
Insulation Rating: Class A Insulation
Cooling Class: ONAN/ONAF/ONAF
Forced Air (Fans): Included, Two-Stages, Totally Enclosed, Individually Protected Type,

Ratings

Meets/Exceeds DOE 2016 Efficiency Ratings
Meets/Exceeds CSA Efficiency Ratings
Complies with ANSI / IEEE C57.12.00
Complies with ANSI / IEEE C57 12.28
Complies with ANSI / IEEE C57 12.29
Complies with ANSI / IEEE C57 12.34
Complies with CSA C802-3
Complies with CSA C227.5
Complies with ANSI / IEEE C57 12.35
Complies with ANSI / IEEE C57.12.70
Complies with ANSI / IEEE C57.12.110
Complies with ANSI / IEEE C57.12.131
Complies with ANSI / IEEE C62.11
Complies with ANSI / IEEE C62.22
Complies with ANSI / IEEE 386
Complies with ANSI / IEEE C2
Complies with ANSI / IEEE C37.47
Complies with ANSI Z535.4
Complies with CSA C227.4
Complies with ASTM D3487
Complies with ASTM D6871
Complies with NEMA 260-1996
Complies with 10 CFR Part 431
Complies with CSA C2.1-06

Fan Blades Of One-Piece Cast aluminum, Galvanized Fan Guards. w/ Automatic - Off - Manual operation for cooling control
Cooling Radiator: Included, Interchangeable, Has Upper And Lower Drain Plugs, ANSI #70 Sky Grey
L.V Tap Changer: 5-Position De-energized Tap Changer (DETC)
L.V Tap Qty: (2) FCAN Above Taps, (2) FCBN Below Taps
L.V Tap %: 2.5%
L.V Tap Changer Switch Rating: 35 KV
L.V Tap Changer Switch Location: L.V Side, Side Mounted
H.V Tap Changer: 33-Position ON-Load Tap Changer (OLTC), Mfr: Reinhausen, Type: RMV-II, Capable Of Interface With SCADA For Position And Control
LHV Tap Qty: (16) FCAN Above Taps, (16) FCBN Below Taps
LHV Tap %: 5/8%
HV Tap Changer Switch Rating: 230 KV
H.V Tap Changer Switch Location: LHV Side, Top Mounted In a Separate Oil Compartment Equipped With: Magnetic level indicator with form "C" alarm contacts, Breather, Drain, filter and sampling valves, Hinged maintenance door with oil-resistant gasket, Manhole for inspection of contacts without lowering oil level, Liquid temperature indicator with form "C" alarm contacts. These indicators have minimum 6" diameter dials, Cover-mounted mechanical pressure relief device with (automatic resealing operation, form "C" alarm contacts & Mechanical signal for indication of device operation), Pressure control switch with trip contacts, Filling plug located at the top of the compartment, a lip to prevent oil spills after draining compartment and open the door, motor drive which is easily accessible and not immersed in oil, Local position indicator, Operation counter. Includes Automatic, Digital Control, high limit/low blocking, line drop compensation, SCADA ready, with COM1 port, RS232 w/ RS-485 and fiber optic interfaces; DNP3.0 protocol, COM2 port, RS232, preferred manufacturer, Beckwith M-2001D or equal
Impedance (Typical): 10.5% @ 90 MVA
Primary Connection Type: Live Front, Porcelain Insulator w/ threaded stud type silver plated, Sky Gray (ANSI 70) w/ provision for power factor testing, Oil-filled condenser type
Primary Termination Arrangement: Inline, Top Mounted, in ANSI Segment 3
Primary Termination: NEMA 4-Hole Pad connectors
Primary Bushing Qty: (3)
Primary Bushing Rating: 230 KV Class, 900 kV BIL, Porcelain, ANSI #70 Sky Grey, with threaded stud type silver plated, oil-filled condenser type
Primary Neutral Connection: N/A
Primary Surge Arrestors: Included, (3) metal-oxide station type, ANSI #70 Sky Grey
Primary Surge Arrestor Voltage Rating: 192 KV
Primary Surge Arrestor MCOV Rating: 152 KV
Primary Over Current Protection (OCP): N/A
Primary Bushing CT: Included, (2) Per Each Phase, 800:5 Ratio MR, C800 Accuracy Class, 5-Lead, 2.0 Thermal Rating Factor
Primary Over Current Protection Holder: N/A
Primary Grounding Provisions: Two copper faced ground pad located at diagonal corners near base, w/ two-bolt terminal connectors
Secondary Connection Type: Live Front
Secondary Termination Arrangement: Inline, Top Mounted in ANSI Segment 1
Secondary Termination: NEMA 4-Hole Pad connectors
Secondary Bushing Qty: (4)
Secondary Bushing Rating: 34.5 KV Class, 200 kV BIL, Porcelain, ANSI #70 Sky Grey, with threaded stud type silver plated, oil-filled condenser type
Secondary Neutral Connection: Included, 20 KV Class, 200 kV BIL, 1200 A, Porcelain, ANSI #70 Sky Grey, with threaded stud type silver plated, oil-filled condenser type
Secondary Over Current Protection (OCP): Included
Secondary Bushing CT: Included, (2) Per Each Phase, 3000:5 Ratio MR, C800 Accuracy Class, 5-Lead, 2.0 Thermal Rating Factor
Secondary Surge Arrestors: Included, (3) metal-oxide station type, ANSI #70 Sky Grey
Secondary Surge Arrestor Voltage Rating: 30 KV
Secondary Surge Arrestor MCOV Rating: 24.4 KV
Secondary Grounding Provisions: Included, (2) Grounding Pads Located On Diagonally Opposite Corners Of The Tank Base For Grounding Of The Transformer With Bolt Type Connectors For Connection To 2/0 to 500 KCMIL Stranded Copper conductor
Secondary Neutral Bushing CT: Included, (1) 1200:5 Ratio MR, C800 Accuracy Class, 5-

Complies with CSA C802.1
Complies with CSA C50
Complies with CSA C88
Complies with CSA C88.1
Complies with CSA C88-16

Features
Hot Stick Included, HV Door Mount
Penta-head Bolt Entry Assembly
High-Fire Point Insulating Fluid
Non-PCB Insulating Fluid
Tamper Proof Housing
Hinged Front Compartment Doors, Pad Lockable
NEMA 3R Wiring Compartment

Efficiency %: N/A
Based on transformer operating at 50% of nameplate base kVA.

Load Losses Based on 75°C Reference Temp.
Off-Load Loss (in watts): TBD
On-Load Loss (in watts): TBD
Total Load Loss (in watts) at 100%: TBD

Total Losses at 55°C LL Temp.& 20°C NL Temp.
Total Load Loss (in watts) at 50%: TBD
Note: *Losses offered are typical only, not guaranteed*

Lead, 2.0 Thermal Rating Factor
Metering Current Transformer (CT): Included
Metering Panel: Included, SEL-2533 annunciator with DC power supply w/ support for DNP 3.0 comm protocol w/ 14 digital inputs and 7 digital outputs
Auxiliary Control Panel : Included, 120/240 Vac single-phase for fans, space heaters and other accessories, 125 volts dc for control functions, w/ 120V 100W light fixture w/ SPST switch and 120V, 20A 1P duplex grounding type receptacle w/ protective fuses
Load Break Switch: N/A
Load Break Switch Qty: N/A
Load Break Switch Rating: N/A
Load Break Switch Location: N/A
Efficiency Standard(s): Meets ANSI/IEEE Standards
K-Factor Rating (Harmonic Mitigation): K-1 (Standard)
Pulse Drive Rating: N/A
Insulation Fluid: 10 C Mineral Oil Fluid - Non-PCB Fluid
Fluid (Oil) Capacity*: TBD
Fluid (Oil) Weight*: 80,468.73 Lbs

Transformer Monitoring: Included Monitor SEL 2414 P/N: 241421ACA913A851130 with Annunciator 2533 P/N: 2533012130XA2X0

Liquid Level Indicator: Included, with low level alarm and critical low level trip contacts, 125 vdc alarm contacts
Winding Temperature Indicator: Included Thermometer, Messko, Type: MT-ST/60 VMR/4C/4M
RTD: Included, for Ambient Air, Top Oil and Bottom Oil, Qualitrol Model 103-047 or equivalent
Liquid Temperature Indicator: Included Thermometer, Messko, Type: MT-ST/60 RM/2C/2M
Pressure/Vacuum Indicator: Included, With Scale Range Of Plus Or Minus 10 PSI
Rapid Rise Relay: Included, 125 vdc, with alarm and trip contacts
Pressure Relief Valve: Included, visual signal flag and 125 vdc alarm contacts
Nitrogen Oil Preservation System: Included Inert Gas Pressure (N_2) System, With A Nitrogen Tank And All Necessary Accessories, Positive Pressure ≤ 8 psig
Pressure Reducer: Included, Three-Stage
Gas Relay: Included

Fault Indicator: Included, Buchholz Relay

Gas Sampler Valve: N/A
Fill Valve: Included, with vacuum filling
Fill Valve Location: Top Mounted
Drain Valve: Included W/ Sampling Port, with vacuum drying
Drain Valve Location: Side of transformer tank
Winding Material: Copper
Ambient Temperature Rating: 40°C

Ambient Operating Temperature Range: -30°C to +40°C

Isokeraunic Level : 50 thunderstorm - days/year
Wind Velocity: 120 MPH
Sound Level: Complies with C57.12.90
Elevation (Altitude): 3300ft (1000 meters) Above Sea Level
Core Material: Silicon Steel Laminations, Grain Oriented, cold-rolled, non-aging, Round Core/Coil Design
Tank Material: Coated Steel
Cabinet Material: Coated Steel
Base Platform Material: Coated Steel
Hardware Material: Stainless Steel
Portability: Lifting lugs, provisions for jacking under base, w/ base construction suitable for using rollers or skidding
Housing Type: Metal Casing Liquid Filled Transformer
Enclosure Rating: NEMA 3R Weatherproof
Seismic Rating: High seismic, According to IEEE-693 & IEEE C57.114
Paint Type: Applied corrosion-resisting primer to all surfaces, Applied top coat baked enamel to provide a minimum of 3 mils (.75 mm) thick, The top of the main tank and LTC

Labeling:

Externally Stenciled (Painted) KVA Rating
Externally Stenciled (Painted) Voltage Rating
External Non-PCB Label
External Warning & Danger Label
External Barcode Label
Internal Busing & Accessory Labeling
Stainless Steel Riveted Nameplate

Factory Tests:
Winding Resistance Test
Short-circuit Impedance Test (will not result in an impedance change exceeding 2% of the impedance value measured prior to short circuit testing)
Insulation Resistance Test

Voltage Ratio Error Test

Load Loss (Wattage) Test

Separate Source Voltage Withstand Test

Induced Voltage Withstand Test
No-load Loss (Wattage) Test
Pressure Integrity Test

Special Tests:
Temperature Rise Test
Insulation Power Factor Test - winding to winding & winding to ground
Lightning Impulse Test

Shipping:
Shipped on pallet on open flatbed
Palletized on Wooden Pallet w/ Skid Pockets
Pallet Skid Facing Outward Sides of Truck
Note: *Crated shipping in lieu of palletizing can be done upon request for an additional fee*

compartment is a non-skid coating, Radiator is electrostatic coated
Finish Color: Dark Grey
Mounting: Supporting Structures
Conduit Opening: Bottom
Tank Cover Access Handhole: Included, with bolted and gasketed manhole on top of tank
Dimensions*: 397.64" x 275.59" x 330.20"
Weight*: 365,967.35 Lbs
*Please note that numbers are approximate and subject to change

Special Orders - Special Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
Fax: 1-903-765-7664
E-mail: sales@larsonelectronics.com

The MT-PSTC-R7-3P-DXN-90MVA-GMA-HT-LT-X6-BMFF-CZ-2ZZ-M1 Conservator Substation from Larson Electronics offers powerful, reliable, and efficient power distribution in outdoor 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. This transformer ensures extra space for storing oil and is equipped with breathers to facilitate air flow. The conservator transformer should be installed on supporting structures.

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

Transformer Features: The industrial transformer features a primary voltage of three-phase 230000V Delta and a secondary voltage of three-phase 34500Y/19920V Wye-N. This system is rated for 90 MVA (90,000 KVA) natural cooled, 120 MVA (120,000 KVA) first stage fan cooled and 150 MVA (150,000 KVA) second stage fan cooled. We offer systems with loop or radial feed, as well as dead front or live front primary connections. The transformer features a 5-position off-load tap changer with two, +/- 2.5% taps above and two, +/- 2.5% taps below to allow small changes for voltage. There is a rapid rise relay present on the system.

The system features copper windings for high strength and thermal/electrical conductivity. This transformer consists of rectangular coil and five-legged wound core design with three coils and four core loops (this is for three-phase transformers only; single-phase units have one coil and two core loops).

The MT-PSTC-R7-3P-DXN-90MVA-GMA-HT-LT-X6-BMFF-CZ-2ZZ-M1 has fans for forced air cooling. This non-sealed system features breathers for cooling when operating temperatures increase.

Temperature Rise: This unit features 65°C temperature rise for reduced heat waste, increased reliability and longer life. At 65°C temperature rise, the transformer offers 90 MVA (90,000 KVA) natural cooled, 120 MVA (120,000 KVA) first stage fan cooled and 150 MVA (150,000 KVA) second stage fan cooled. The transformer meets standard efficiency requirements. The combination of low temperature rise and high efficiency makes this unit suitable for use in outdoor areas.

Insulation Fluid: The MT-PSTC-R7-3P-DXN-90MVA-GMA-HT-LT-X6-BMFF-CZ-2ZZ-M1 features mineral oil fluid (ONAN/ONAF/ONAF). We offer transformers with biodegradable or FR-3 fluids, if needed.

Biodegradable Fluid: Biodegradable cooling fluid (vegetable oil) has a higher heat capacity compared to mineral oil, making the liquid safer to use and more reliable during operations. Vegetable oil has a higher flash point and fire point than mineral oil, hydrocarbon oil, silicone

oil and synthetic ester. This cooling fluid is also non-toxic and can tolerate higher breakdown voltages than mineral oil. When operating at high temperatures, biodegradable cooling liquid sustains up to 120% load conditions, which helps preserve the transformer's lifespan and performance.

Gauges: The following gauges are included with the system: liquid level indicator, Fluid temperature indicator, Winding Temperature Indicator, pressure/vacuum indicator. Standard liquid level, temperature and pressure/vacuum gauges are analog dial types.

Fault Pressure Devices: There is a Buchholz relay fault indicator on this unit.

Gas Relay: A gas relay with indicators for light gas and heavy gas is included with the transformer. The relay includes two Dry Type Form C auxiliary contacts (1NO + 1NC) for remote alarm when pressure rises above in-field set pressure located in auxiliary control cabinet.

Surge arresters: This system comes with surge arresters on both the primary and secondary sides.

Load Break Switch: The transformer is not equipped with a load break switch.

Valves: The MT-PSTC-R7-3P-DXN-90MVA-GMA-HT-LT-X6-BMFF-CZ-2ZZ-M1 is equipped with a pressure relief valve.

Protection Fuses: This transformer does not have 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: This conservator substation installed on supporting structures, such as the roof of the transformer main tank.

Benefits: The MT-PSTC-R7-3P-DXN-90MVA-GMA-HT-LT-X6-BMFF-CZ-2ZZ-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.

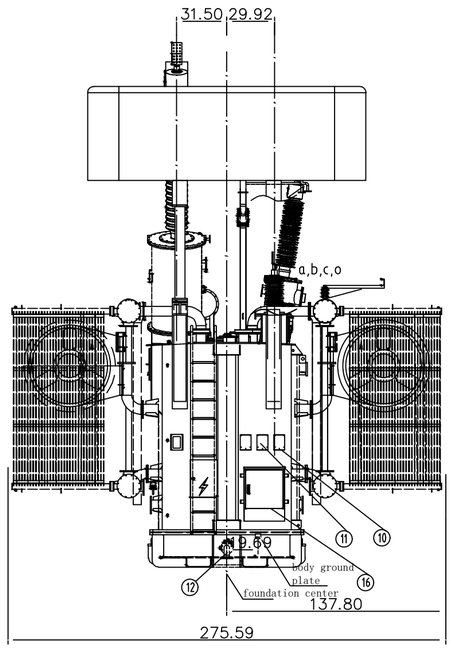
Applications: General purposes, industrial sites, electrical rooms, underground vaults, manufacturing facilities, steel plants, offshore, commercial, military, processing plants, electric power distribution, utilities and more.

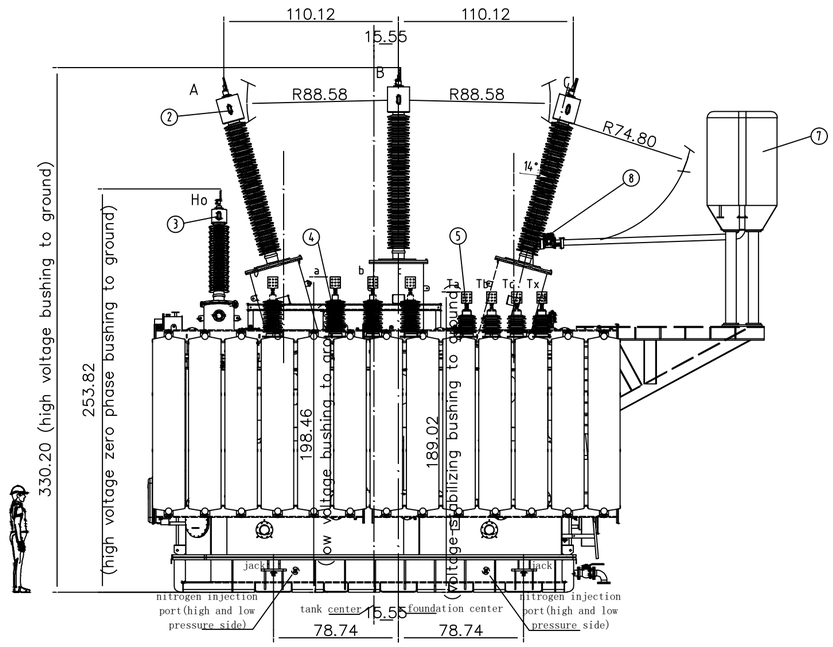
Larson Electronics is a manufacturer and as such can build stationary and portable transformer systems to your specifications. Although we carry several models of power distribution transformer systems, we can deliver custom ordered units almost as quickly as our prebuilt units. If this model does not meet your needs, please contact us at 1-800-369-6671 or sales@larsonelectronics.com to discuss your specific requirements.

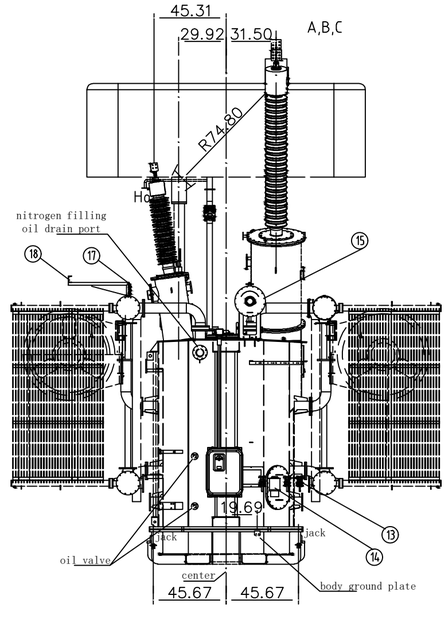
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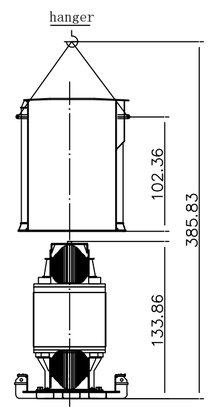
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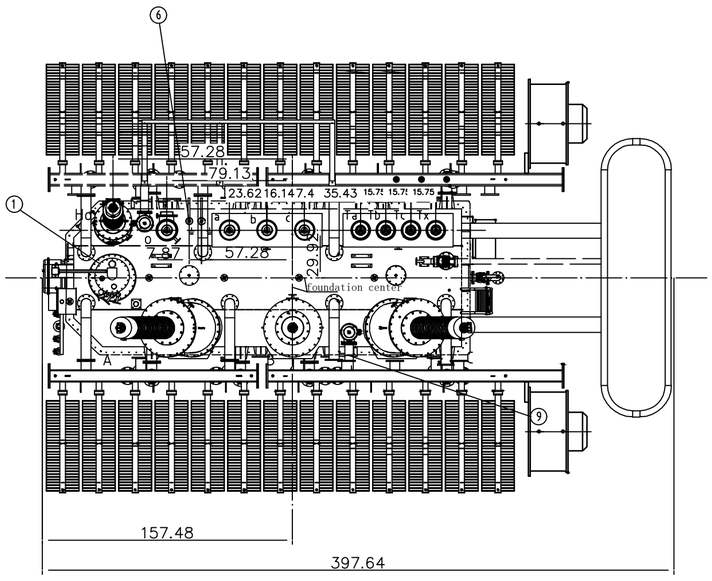
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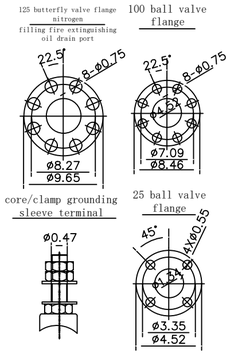












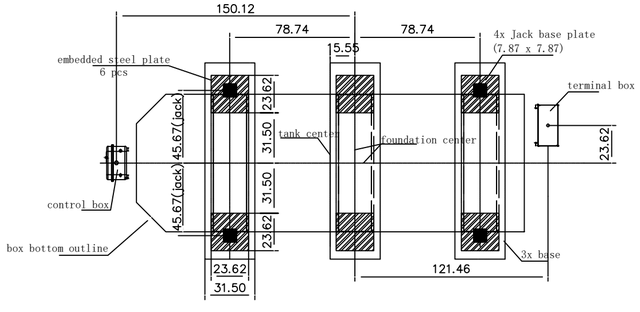
Technical Requirements:

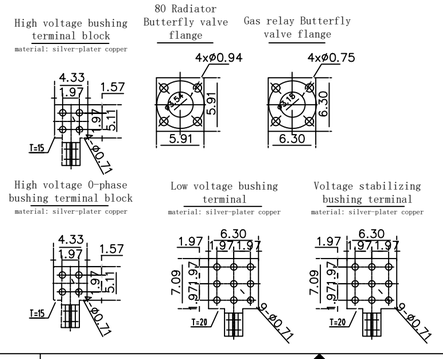
1. All parts must be pre-installed and marked before leaving the factor;
2. After the transformer test is completed, the heads of the high voltage A, B, and C phase bushings are painted yellow, green, and red;
3. All inlet and outlet oil pipes are marked with small red arrows to indicate the direction of the oil flow.

Weight: (lbs)

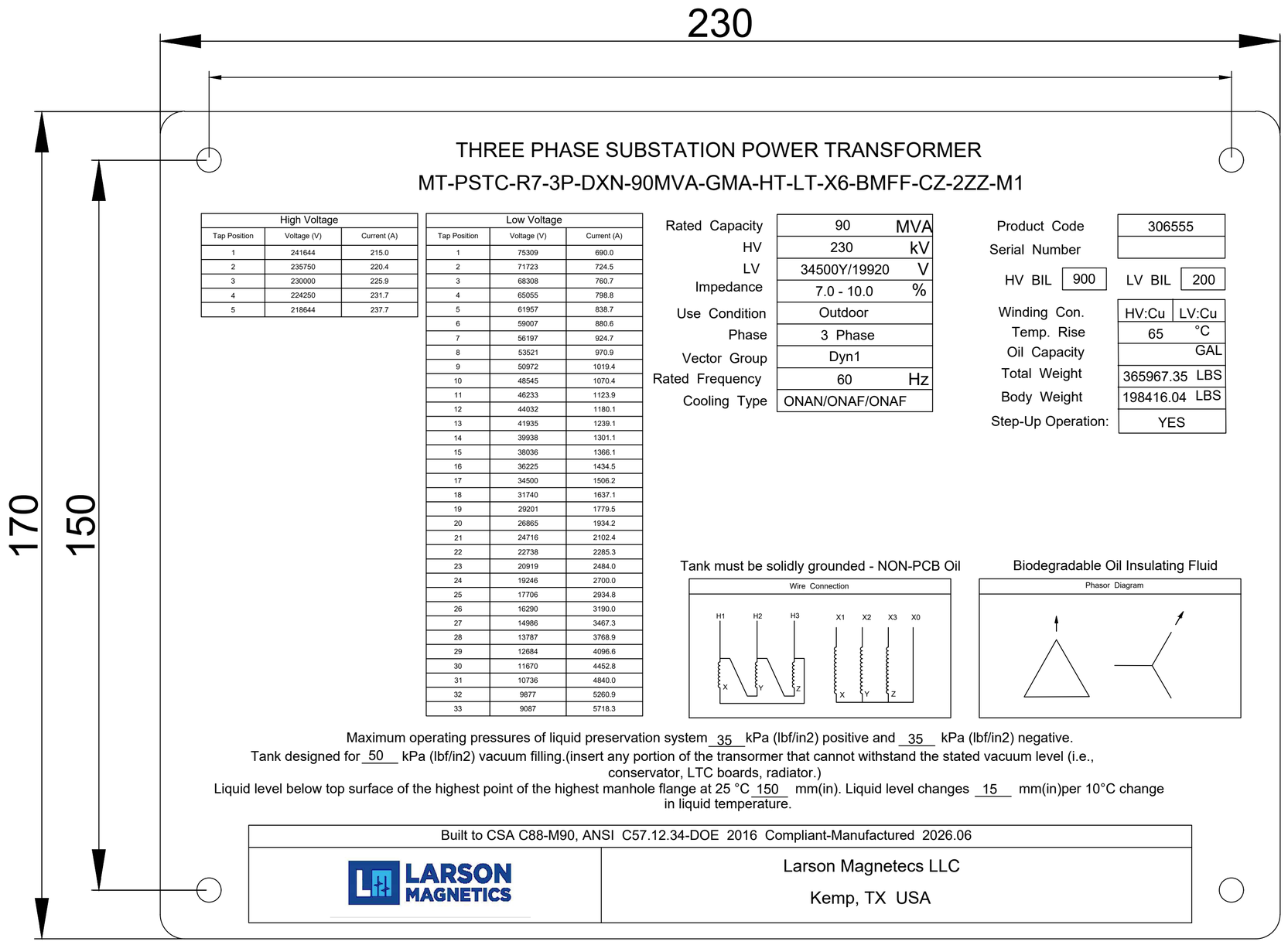
name	weight
oil weight	80468.73
total weight	365967.35
transportation (nitrogen filling)	198416.04

Base installation diagram





LARSON MAGNETICS	TITLE: MT-PSTC-R7-3P-DXN-90MVA-GMA-HT-LT-X6-BMFF-CZ-2ZZ-M1	
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THREE PHASE SUBSTATION POWER TRANSFORMER

MT-PSTC-R7-3P-DXN-90MVA-GMA-HT-LT-X6-BMFF-CZ-2ZZ-M1

High Voltage		
Tap Position	Voltage (V)	Current (A)
1	241644	215.0
2	235750	220.4
3	230000	225.9
4	224250	231.7
5	218644	237.7

Low Voltage		
Tap Position	Voltage (V)	Current (A)
1	75309	690.0
2	71723	724.5
3	68308	760.7
4	65055	798.8
5	61957	838.7
6	59007	880.6
7	56197	924.7
8	53521	970.9
9	50972	1019.4
10	48545	1070.4
11	46233	1123.9
12	44032	1180.1
13	41935	1239.1
14	39938	1301.1
15	38036	1366.1
16	36225	1434.5
17	34500	1506.2
18	31740	1637.1
19	29201	1779.5
20	26865	1934.2
21	24716	2102.4
22	22738	2285.3
23	20919	2484.0
24	19246	2700.0
25	17706	2934.8
26	16290	3190.0
27	14986	3467.3
28	13787	3768.9
29	12684	4096.6
30	11670	4452.8
31	10736	4840.0
32	9877	5260.9
33	9087	5718.3

Rated Capacity	90	MVA
HV	230	kV
LV	34500Y/19920	V
Impedance	7.0 - 10.0	%
Use Condition	Outdoor	
Phase	3 Phase	
Vector Group	Dyn1	
Rated Frequency	60	Hz
Cooling Type	ONAN/ONAF/ONAF	

Product Code	306555		
Serial Number			
HV BIL	900	LV BIL	200
Winding Con.	HV:Cu	LV:Cu	
Temp. Rise	65	°C	
Oil Capacity		GAL	
Total Weight	365967.35	LBS	
Body Weight	198416.04	LBS	
Step-Up Operation:	YES		

Tank must be solidly grounded - NON-PCB Oil

Wire Connection

Biodegradable Oil Insulating Fluid

Phasor Diagram

Maximum operating pressures of liquid preservation system 35 kPa (lbf/in2) positive and 35 kPa (lbf/in2) negative.
Tank designed for 50 kPa (lbf/in2) vacuum filling.(insert any portion of the transormer that cannot withstand the stated vacuum level (i.e., conservator, LTC boards, radiator.)
Liquid level below top surface of the highest point of the highest manhole flange at 25 °C 150 mm(in). Liquid level changes 15 mm(in)per 10°C change in liquid temperature.

Built to CSA C88-M90, ANSI C57.12.34-DOE 2016 Compliant-Manufactured 2026.06

LARSON MAGNETICS

Larson Magnetecs LLC

Kemp, TX USA

LARSON MAGNETICS

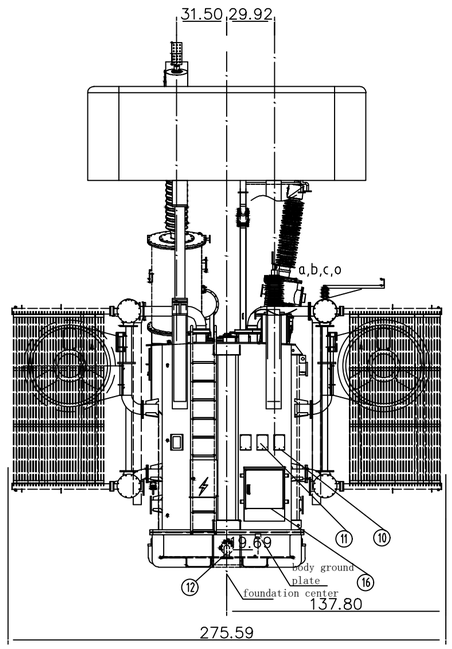
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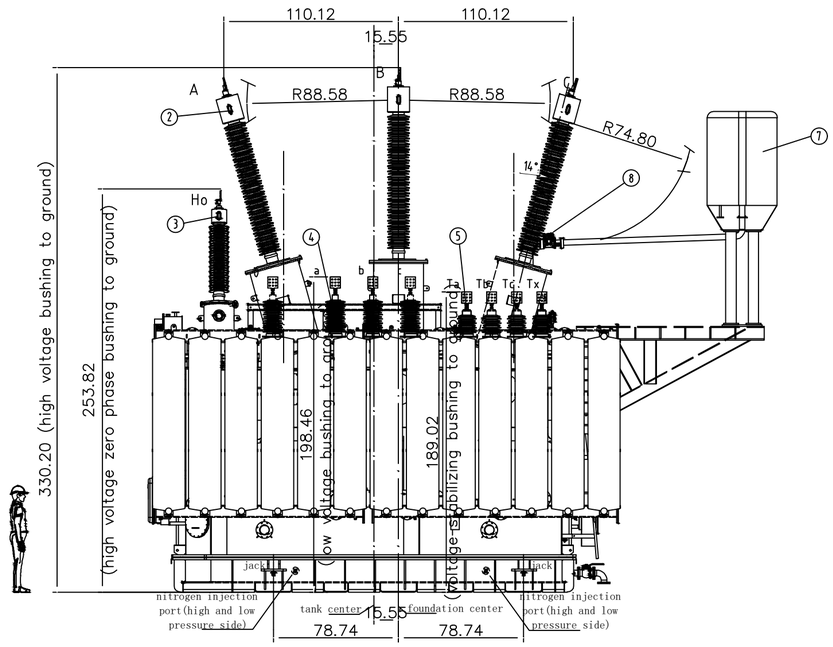
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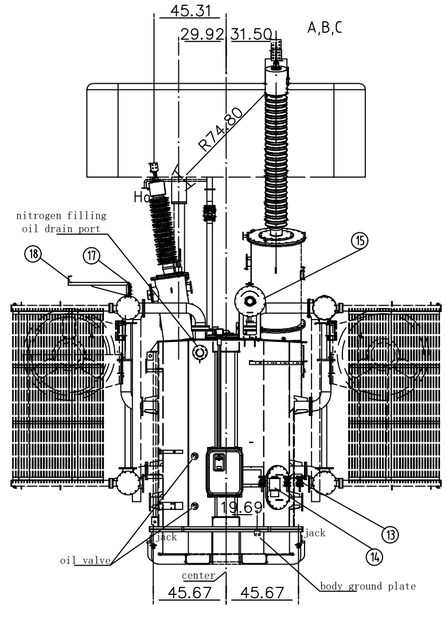
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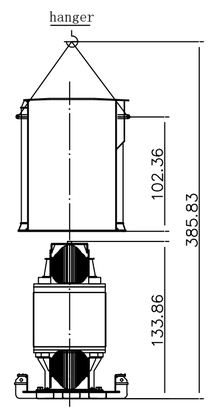
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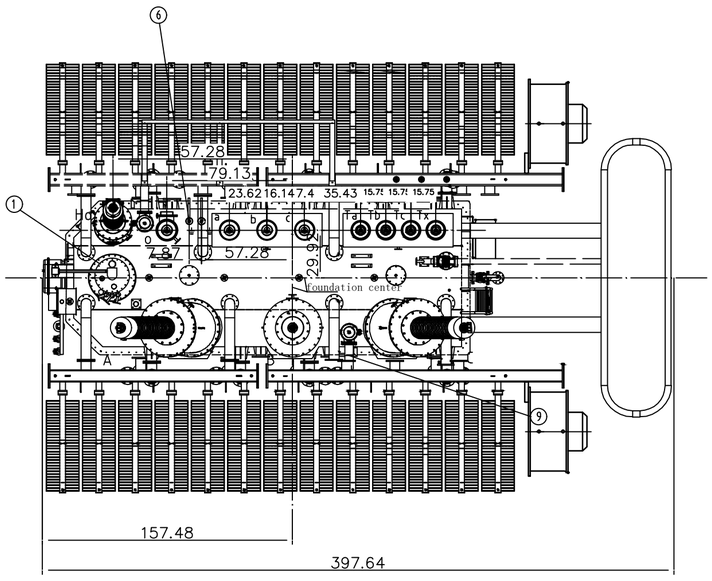
LARSON ELECTRONICS®

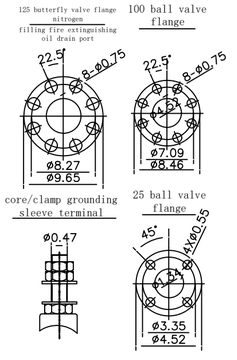












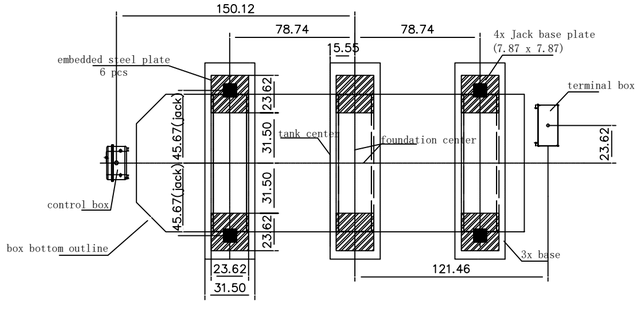
Technical Requirements:

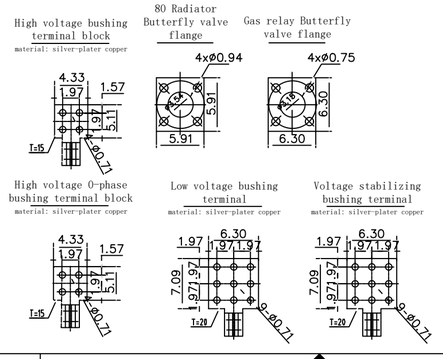
1. All parts must be pre-installed and marked before leaving the factor;
2. After the transformer test is completed, the heads of the high voltage A, B, and C phase bushings are painted yellow, green, and red;
3. All inlet and outlet oil pipes are marked with small red arrows to indicate the direction of the oil flow.

Weight: (lbs)

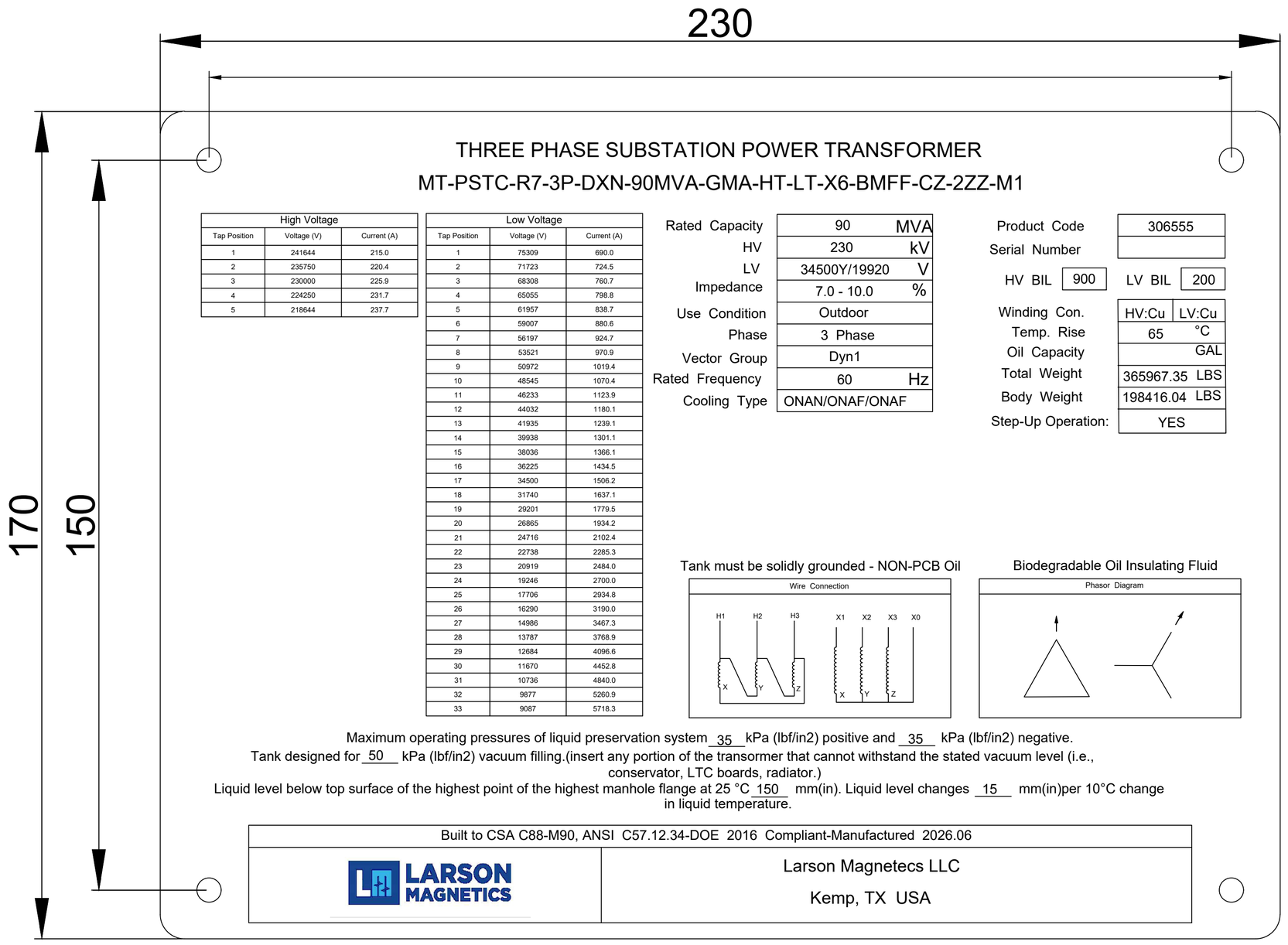
name	weight
oil weight	80468.73
total weight	365967.35
transportation (nitrogen filling)	198416.04

Base installation diagram





LARSON MAGNETICS	TITLE: MT-PSTC-R7-3P-DXN-90MVA-GMA-HT-LT-X6-BMFF-CZ-2ZZ-M1	
	DRAWN BY	DATE / REV
9419 E US HWY 175, KEMP, TX 75143	CHECKED BY	SHEET # 1 OF 2 / DRAWING #



THREE PHASE SUBSTATION POWER TRANSFORMER

MT-PSTC-R7-3P-DXN-90MVA-GMA-HT-LT-X6-BMFF-CZ-2ZZ-M1

High Voltage		
Tap Position	Voltage (V)	Current (A)
1	241644	215.0
2	235750	220.4
3	230000	225.9
4	224250	231.7
5	218644	237.7

Low Voltage		
Tap Position	Voltage (V)	Current (A)
1	75309	690.0
2	71723	724.5
3	68308	760.7
4	65055	798.8
5	61957	838.7
6	59007	880.6
7	56197	924.7
8	53521	970.9
9	50972	1019.4
10	48545	1070.4
11	46233	1123.9
12	44032	1180.1
13	41935	1239.1
14	39938	1301.1
15	38036	1366.1
16	36225	1434.5
17	34500	1506.2
18	31740	1637.1
19	29201	1779.5
20	26865	1934.2
21	24716	2102.4
22	22738	2285.3
23	20919	2484.0
24	19246	2700.0
25	17706	2934.8
26	16290	3190.0
27	14986	3467.3
28	13787	3768.9
29	12684	4096.6
30	11670	4452.8
31	10736	4840.0
32	9877	5260.9
33	9087	5718.3

Rated Capacity	90	MVA
HV	230	kV
LV	34500Y/19920	V
Impedance	7.0 - 10.0	%
Use Condition	Outdoor	
Phase	3 Phase	
Vector Group	Dyn1	
Rated Frequency	60	Hz
Cooling Type	ONAN/ONAF/ONAF	

Product Code	306555		
Serial Number			
HV BIL	900	LV BIL	200
Winding Con.	HV:Cu	LV:Cu	
Temp. Rise	65	°C	
Oil Capacity		GAL	
Total Weight	365967.35	LBS	
Body Weight	198416.04	LBS	
Step-Up Operation:	YES		

Tank must be solidly grounded - NON-PCB Oil

Wire Connection

Biodegradable Oil Insulating Fluid

Phasor Diagram

Maximum operating pressures of liquid preservation system 35 kPa (lbf/in2) positive and 35 kPa (lbf/in2) negative.
Tank designed for 50 kPa (lbf/in2) vacuum filling.(insert any portion of the transormer that cannot withstand the stated vacuum level (i.e., conservator, LTC boards, radiator.)
Liquid level below top surface of the highest point of the highest manhole flange at 25 °C 150 mm(in). Liquid level changes 15 mm(in)per 10°C change in liquid temperature.

Built to CSA C88-M90, ANSI C57.12.34-DOE 2016 Compliant-Manufactured 2026.06

LARSON MAGNETICS

Larson Magnetecs LLC

Kemp, TX USA

LARSON MAGNETICS

9419 E US HWY 175,
KEMP, TX 75143

TITLE		
NAMEPLATE		
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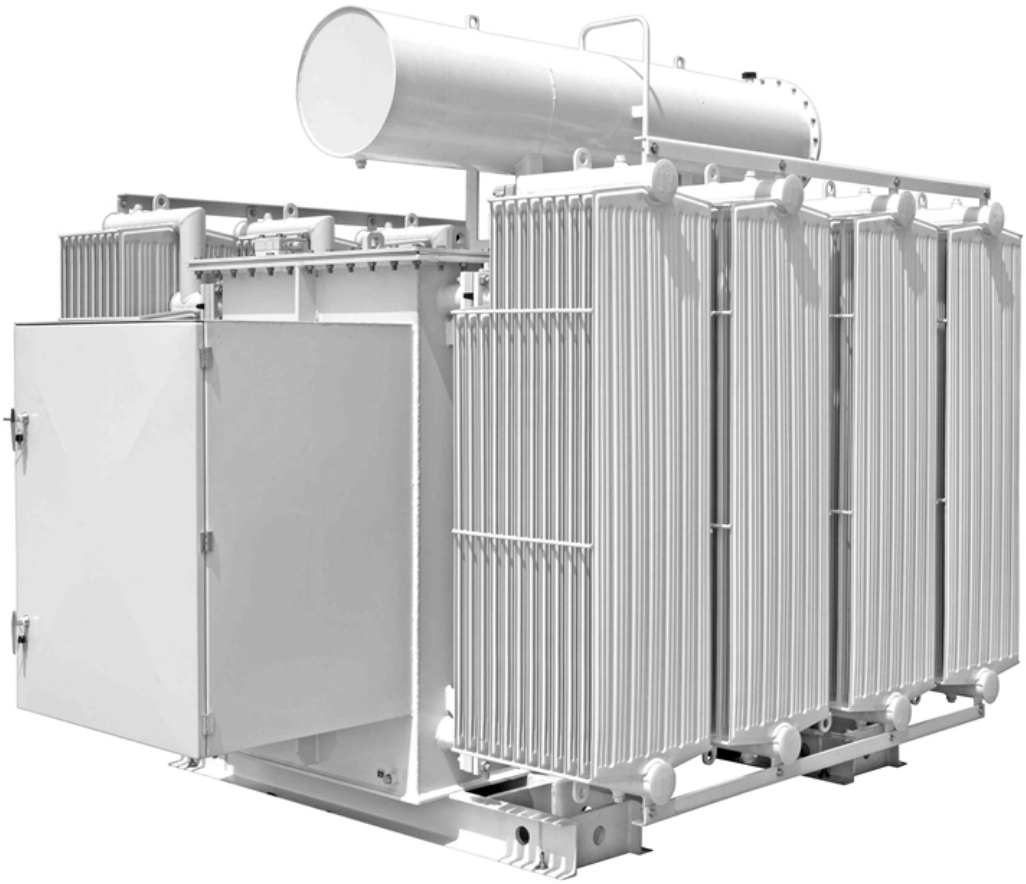
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Frequently Asked Questions (FAQ)

There are no Faqs