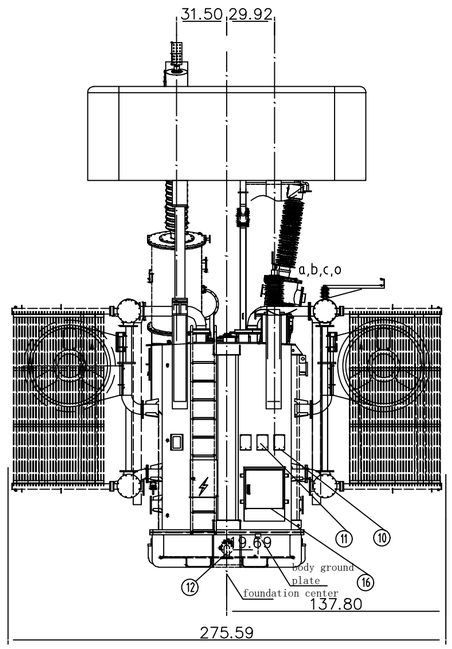
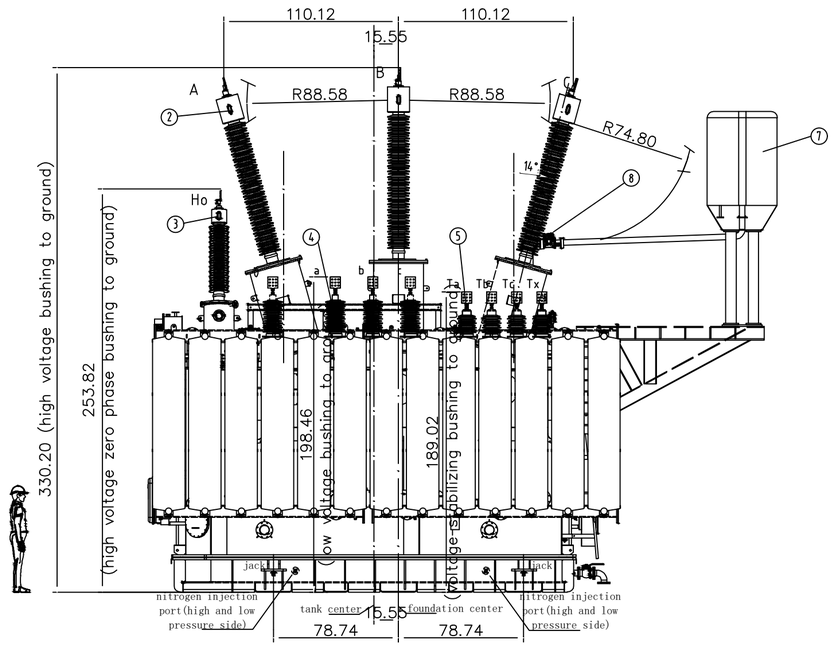
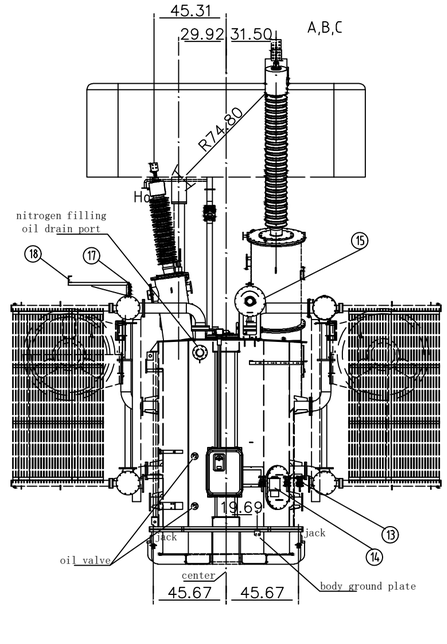
REV	DESCRIPTION	DATE
A	PRODUCT DESCRIPTION	06/10/2026

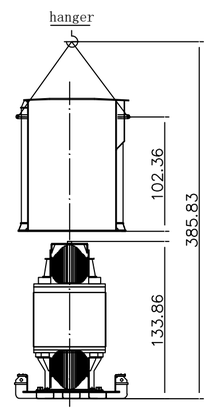
MT-PSTC-R7-3P-DXN-90MVA-GMA-HT-LT-X6-BMFF-CZ-2ZZ-M1

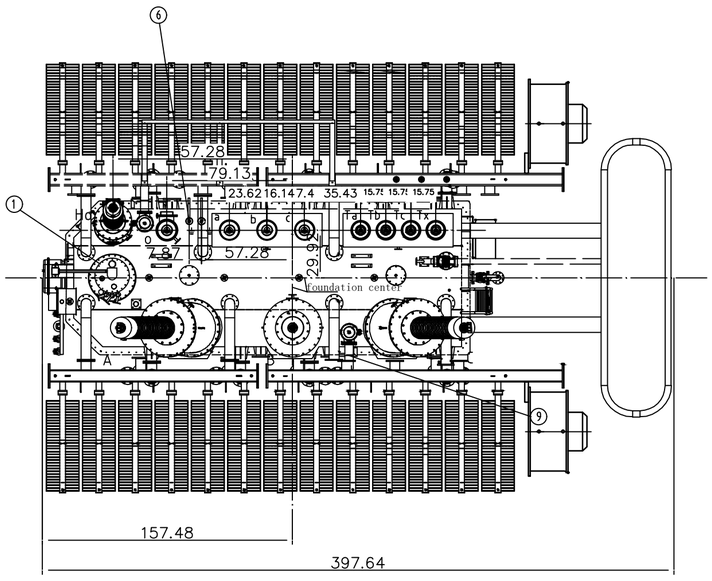
LARSON ELECTRONICS®

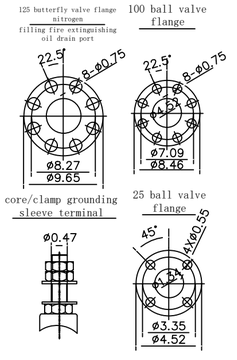












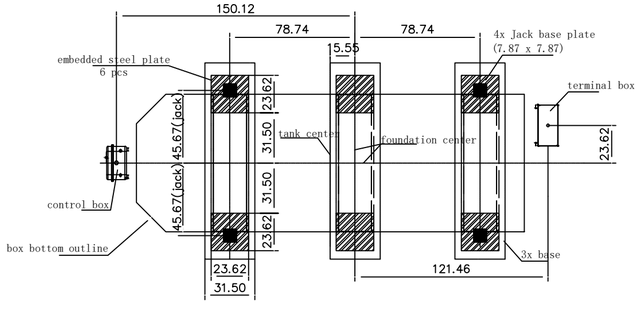
Technical Requirements:

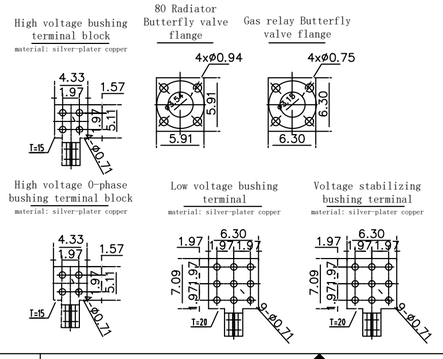
1. All parts must be pre-installed and marked before leaving the factor;
2. After the transformer test is completed, the heads of the high voltage A, B, and C phase bushings are painted yellow, green, and red;
3. All inlet and outlet oil pipes are marked with small red arrows to indicate the direction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

Weight: (lbs)

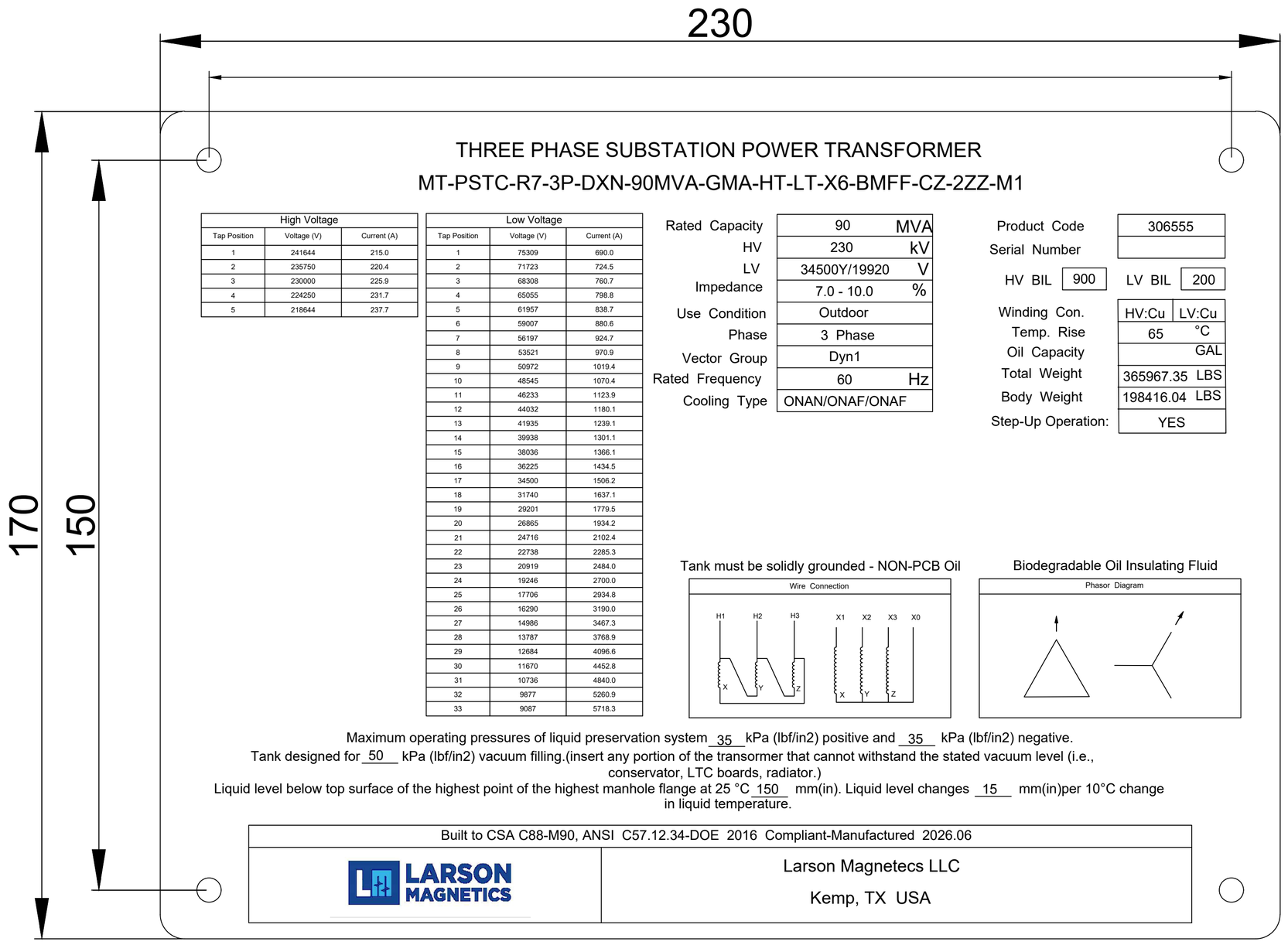
name	weight
oil weight	80468.73
total weight	365967.35
transportation (nitrogen filling)	198416.04

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		
DRAWN BY	DATE	REV
CHECKED BY	SHEET #	DRAWING #
	2 OF 2	