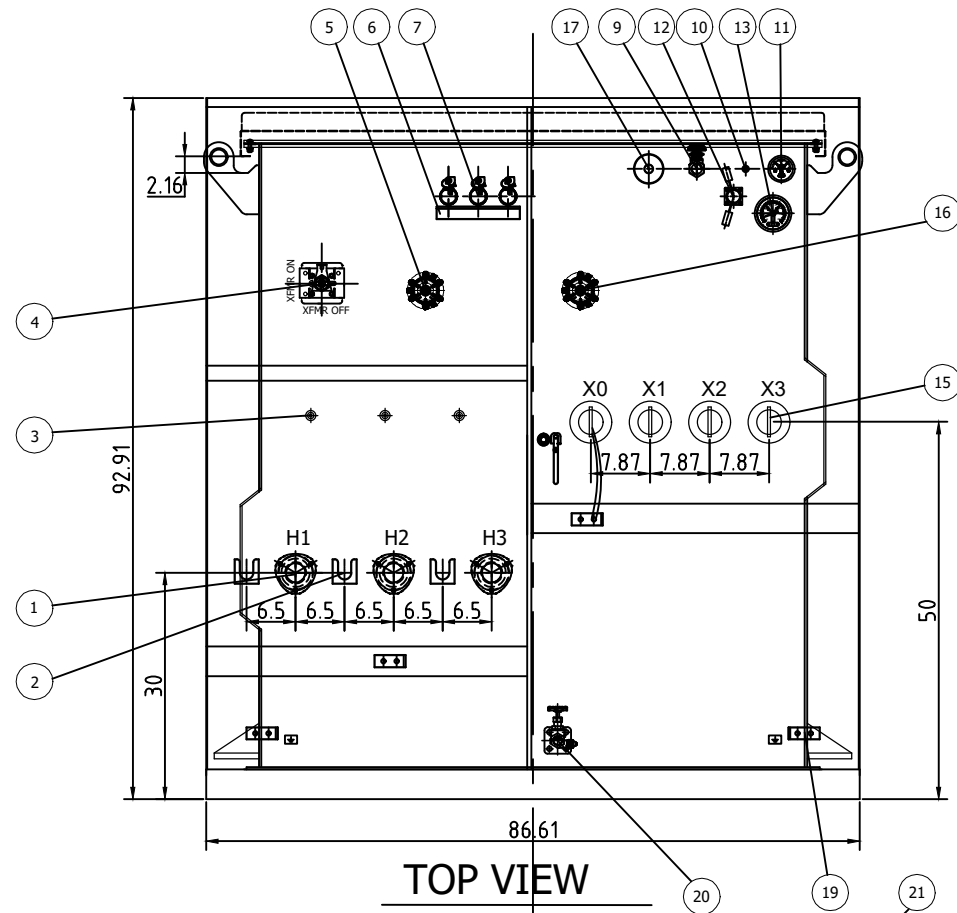
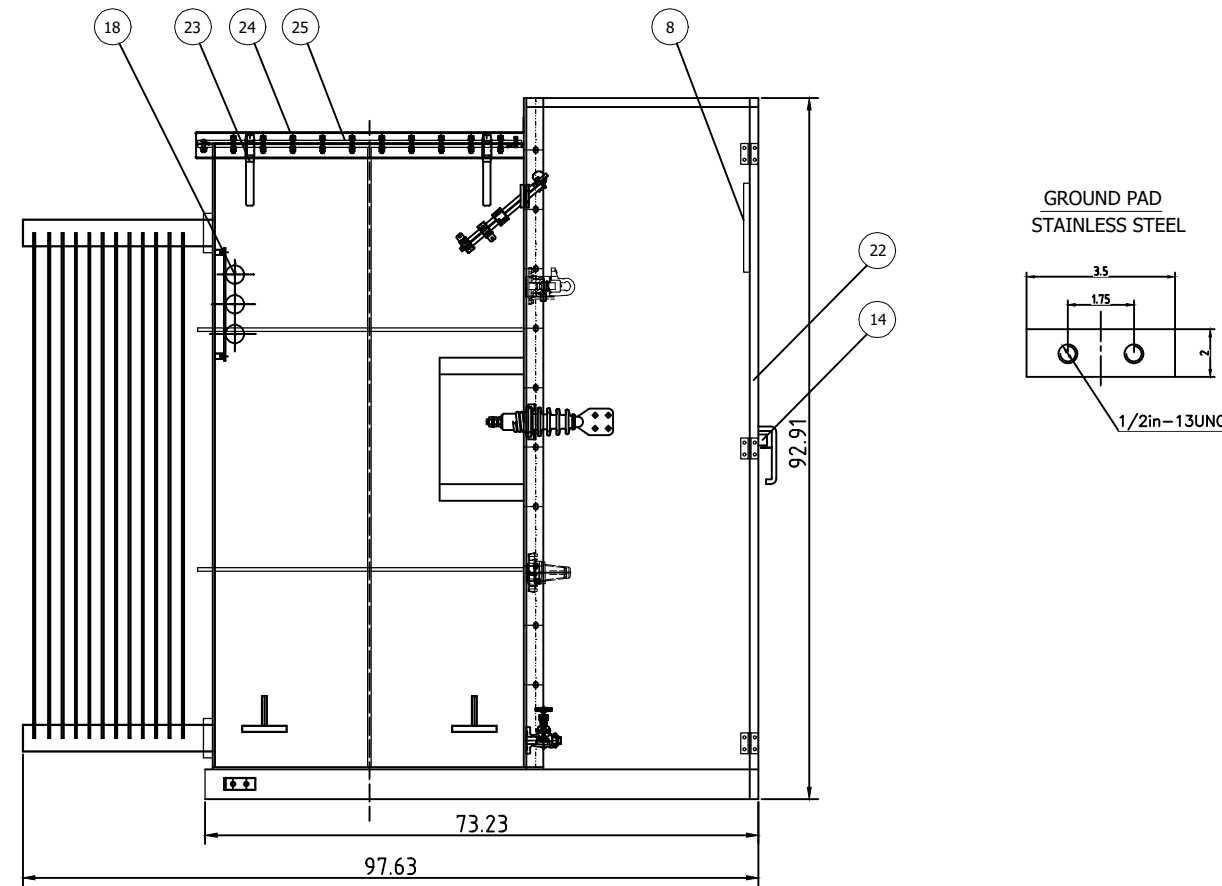


FRONT VIEW



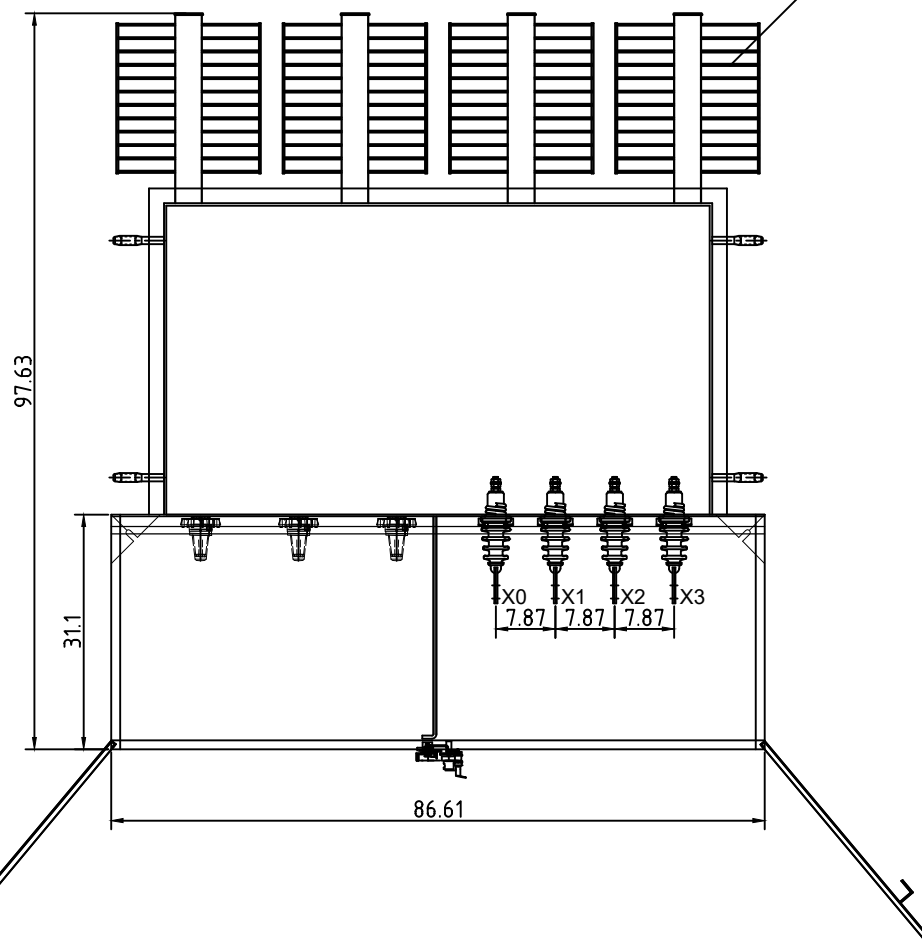
SIDE VIEW



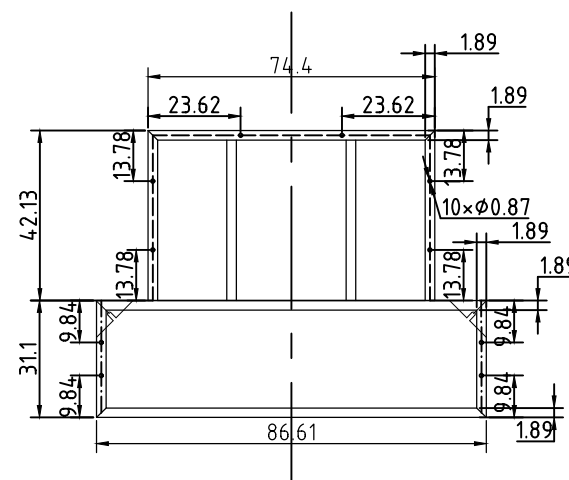
TECHNICAL DATA			
RATING		5000kVA	
PRIMARY VOLTAGE		34500V Delta	
SECONDARY VOLTAGE		13800VGrdy/7967V	
FREQUENCY		60Hz	
VECTOR GROUP		Dyn1	
WINDING MATERIAL		AL	
PRIMARY BIL VOLTAGE		150kV	
SECONDARY BIL VOLTAGE		30kV	
INSULATION OIL TYPE		MINERAL OIL	
COOLING CLASS		ONAN	
TEMPERATURE RISE		65℃	
EFFICIENCY(50%)		99.5%	
IMPEDANCE		5.7%-6.7%	
ALTLTUDE		≤1000M	
No.OF TAP POSITION		7	
COLOR		MUNSELL GREEN 7GY3.29/1.5	
CORE FORM		THREE-PHASE THREE COLUMN	
VOLTS(V)	TAP POSN	AMPS(A)	BETWEEN
36220	1	79.70	HV
35360	2	81.64	
34500	3	83.67	
33600	4	85.92	
33000	5	87.48	
32175	6	89.72	
31350	7	92.08	LV
13800	1	209.18	
13200	2	218.69	
12470	3	231.50	

ITEM	WEIGHT
COILS AND CORES WEIGHT	10384 lbs
TOTAL OIL WEIGHT	6314 lbs
TOTAL WEIGHT	22330 lbs

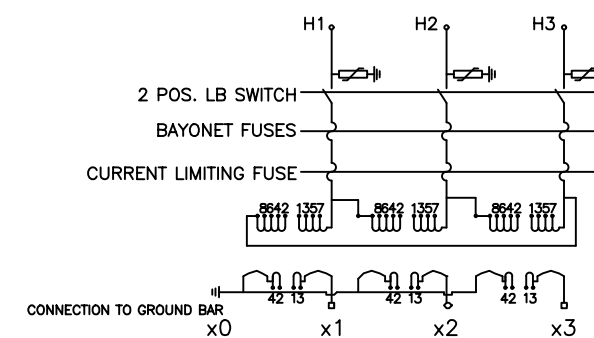
TOP VIEW



TANK BASE DIAGRAM



PHASOR DIAGRAM Dyn1



CONNECTION DIAGRAM

25	BOLTED REMOVABLE TANK LID	1
24	FLIP TOP COVER	1
23	LIFTING LUG	4
22	HINGED DOOR	1
21	RADIATOR	4
20	2" DRAIN VALVE WITH 3/8 SAMPLER	1
19	GROUND STEEL PADS	5
18	CURRENT LIMITING FUSES	3
17	PRESSURE RELIEF DEVICE	1
16	3 POSITION TAP CHANGER(LV SIDE)	1
15	LV BUSHING (15kV 250A)	4
14	DOOR HANDLE	1
13	OIL TEMPERATURE GAUGE	1
12	OIL LEVEL GAUGE	1
11	VACUUM PRESSURE GAUGE	1
10	PRESSURE RELIEF VALVE	1
9	1 INCH GLOBE VALVE WITH CLAMP-IN VALVES	1
8	NAMEPLATE	1
7	BAY-O-NET FUSES	3
6	DRIP TRAY	1
5	7 POSITION TAP CHANGER(HV SIDE)	1
4	TWO POSITION LOADBREAK SWITCH	1
3	UNDER-OIL ARRESTER ISO SWITCH	3
2	PARKING STAND BRACKET	3
1	HV BUSHING (35kV,600A)	3
ITEM	DESCRIPTION	QTY
	OPTIONAL TRANSFORMER PARTS LIST	

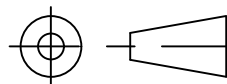
NOTES:

- 1.ALL DIMENSIONS&WEIGHTS ARE SUBJECTED TO $\pm 5\%$ TOLERANCE UNLESS OTHERWISE SPECIFIED
- 2.POSITION OF FITTINGS SHOWN ARE APPROXIMATE

01			
REV.NO.	DATE	DESCRIPTION	APPROVED



Jiangsu Yawei Transformer
265 Huanghai Avenue West,
Hai'an City, Nantong, Jiangsu



NOTES:

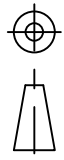
- 1.DO NOT SCALE THE DRAWING
- 2.ALL DIMENSIONS ARE IN INCH

	NAME	SIGN	DATE	TITLE: ZGS-Z-5000/34.5/13.8PAD MOUNTED TRANSFORMER GENERAL ASSEMBLY DRAWING						
DRAWN	FZP		2026/3/11							
CHECKED	YYJ		2026/3/11		SHEET: 1 OF 1	SIZE A3	QTY.	MATERIAL:	DWG.NO. PO44135	REV. 01
APPROVED	DWK		2026/3/11							

TITLE: ZGS-Z-5000/34.5/13.8PAD MOUNTED TRANSFORMER GENERAL ASSEMBLY DRAWING
--



Jiangsu Yawei Transformer
265 Huanghai Avenue West,
Haian City, Nantong, Jiangsu



NOTES:
1.DO NOT SCALE THE DRAWING
2.ALL DIMENSIONS ARE IN mm

DRAWN	NAME	SIGN
CHECKED	FZP	
APPROVED	YVJ	
	DWK	

REV. NO.	DATE	DESCRIPTION	TITLE: ZGS-Z-5000/34.5/13.8 PAD MOUNTED TRANSFORMER	APPROVED
01	2026/3/11		Name Plate	
		SHEET: 1 OF 1	SIZE: A4	QTY.
			MATERIAL:	DWG. NO.:
				REV. 01

NOTE:

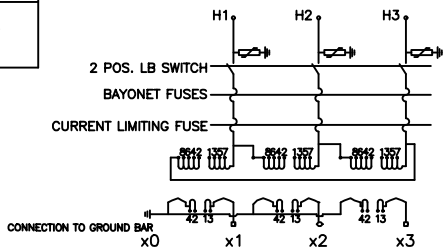
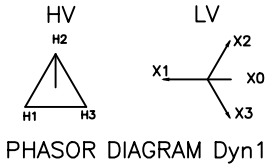
1. ALL DIMENSIONS ARE IN MILLIMETERS
2. MATERIAL: STAINLESS STEEL
3. THICKNESS : 1mm
4. LETTER COLOR: BLACK

THREE PHASE PAD MOUNTED TRANSFORMER

VOLTAGE RATING	kVA RATING	RATED FREQUENCY	60Hz
HV 34500V Delta	ONAN	IEEE COMPLIANT	
LV 13800Grdy/7967V	5000KVA		
INSULATION LEVEL(kV)	% IMPEDANCE@85°C	TEMPERATURE RISE	
HV BIL 150	% @5000 KVA	OIL	65°C
LV & LVN BIL 95	PHASE 3	WINDING	65°C

MATERIAL	
CONDUCTOR	ALUMINIUM
INSULATING OIL	MINERAL OIL
CONTAINS NO DETECTABLE LEVEL OF PCB (LESS THAN 2 PPM) AT THE TIME OF MANUFACTURE	

VOLTS(V)	TAP POSN	AMPS(A)	BETWEEN
36220	1	79.70	HV
35360	2	81.64	
34500	3	83.67	
33600	4	85.92	
33000	5	87.48	
32175	6	89.72	
31350	7	92.08	LV
13800	1	209.18	
13200	2	218.69	
12470	3	231.50	



WEIGHT	
CORE AND COILS	XXXXlbs
TANK AND FITTINGS	XXXXlbs
LIQUID	XXXXlbs
TOTAL WEIGHT	XXXXlbs

Maximum operating pressures of liquid preservation system 55 kPa (8 psi) positive and 21 kPa (-3 psi) negative.
Tank designed for full vacuum filling.
Liquid level below top surface of the highest point of the highest manhole flange at 25°C is 200 mm (7.9 in). Liquid level changes 5 mm (0.2 in) per 10°C change in liquid temperature.

APPLIED STANDARD. IEEE C57.12.34	SERIAL NO.
PRODUCTION PLACE.	DATE OF MFG.



JIANGSU Yawei TRANSFORMER CO., LTD.

Made for Philips Brothers Electrical Contractors per ANSI C57 stds and UL

180
200

PO44135