

Transformer Nameplate Data:

Westinghouse Oil Insulated Substation Transformer
5000 / 5600 KVA - OA
6250 / 7000 KVA - FA
HV: 13,200 Delta - BIL 110 kv
LV: 4800Y/2771 - BIL 75 kv
3 Phase
60 Hertz
Class OA/FA
Type RSL
LV Amps: 752 amps @ 4800 volts WYE
Impedance 5.50%
Rise 55 / 65 C
Hv Bushings: TOP
Lv Bushings: TOP
Date of Manufacture: 1986
Oil: 427 gallons
Instruction Book: PS-1002
Serial Numbers: SDT4408-01 & SDT4408-02

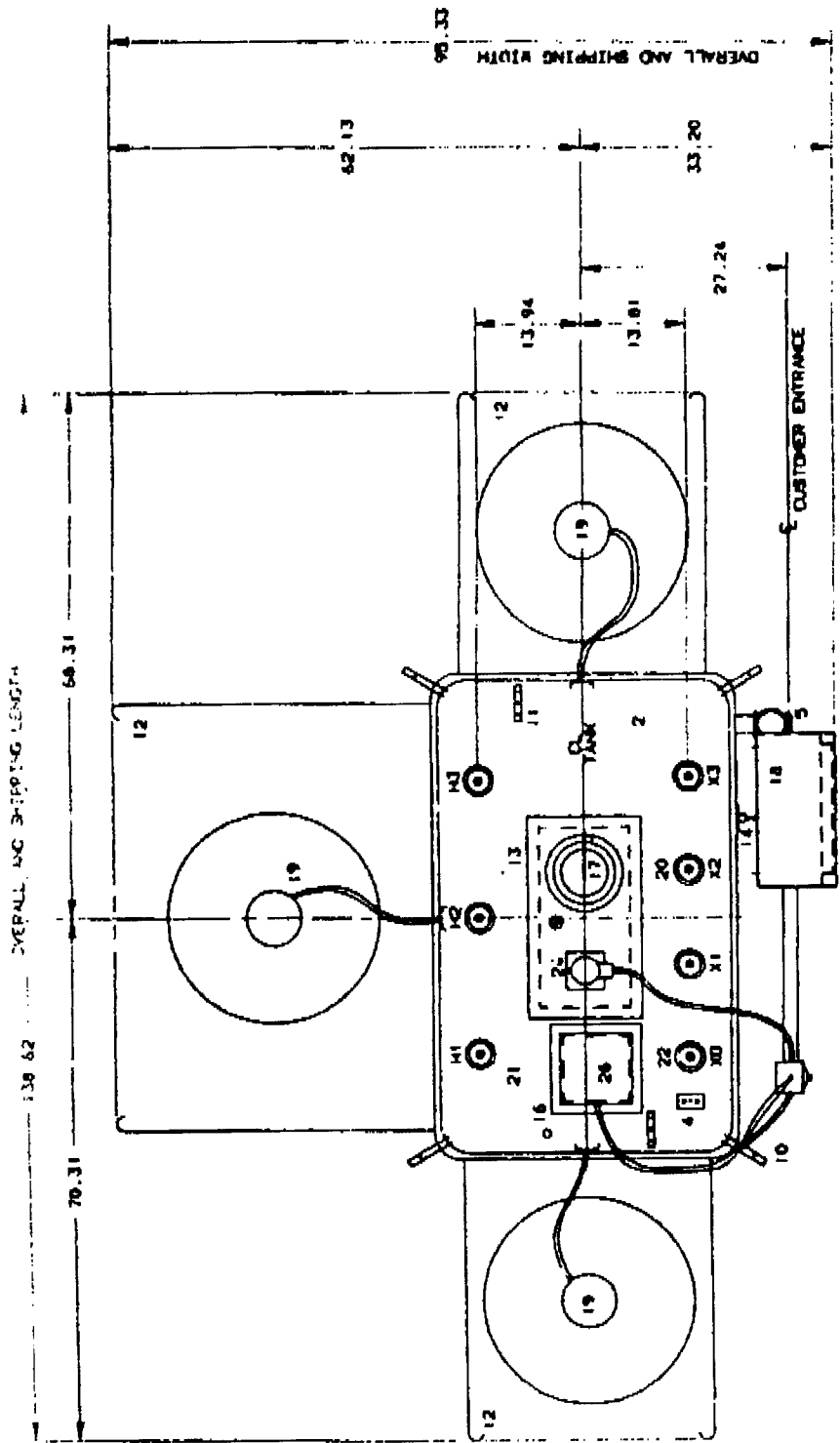
HV Taps:

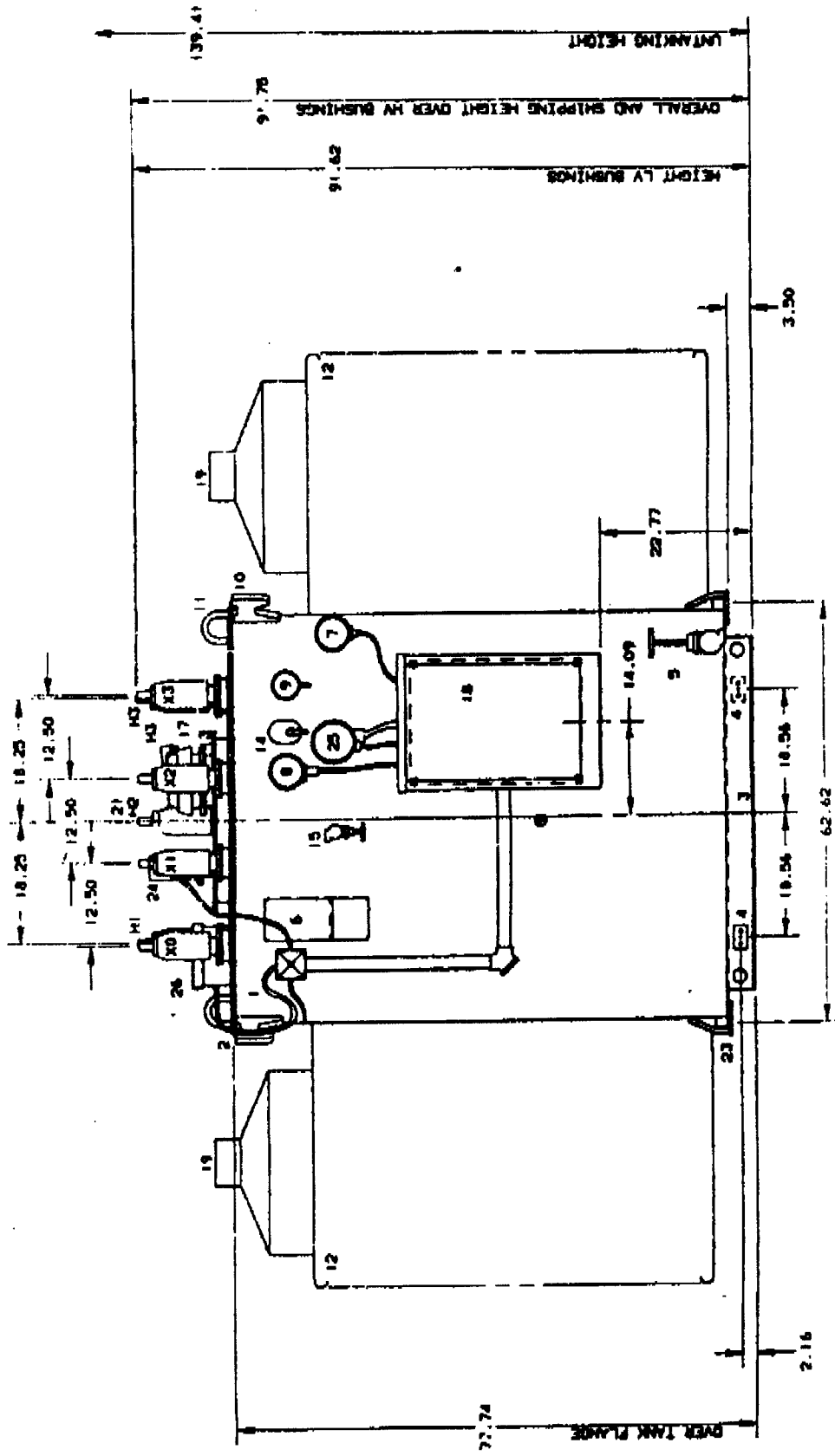
Hv Taps
13,860
13,530
13,200
12,870
12,540

Total Weight: 18,200 pounds

Dimensions: See Outline Drawings

Special Features





- NOTES -

- SEE INSTRUCTION BOOK FOR INSTALLATION AND MAINTENANCE.
 THIS OUTLINE CAN BE USED FOR ERECTION OR MOUNTING PURPOSES. IT IS NOT TO BE REGARDED AS INDICATING THE EXACT DETAILS OF CONSTRUCTION.
 THE TOTAL WEIGHT MUST NOT BE LIFTED UNLESS THE COVER IS WELDED IN PLACE.
 THE CORE AND COILS ARE BRACED INSIDE THE TANK FOR SHIPMENT. IT IS NOT NECESSARY TO REMOVE THESE BRACES BEFORE PLACING THE UNIT IN SERVICE.
 BEFORE BREAKING THE SEAL ON ANY OPENING, BE SURE THE LIQUID LEVEL IS LOWERED BELOW THE OPENING.
 THE TRANSFORMER IS OF SEALED-AIR CONSTRUCTION. THE GAS SPACE IS SEALED TO PREVENT BREATHING UNDER NORMAL OPERATING CONDITIONS.
 GASKETS UNDER THE FOLLOWING ITEMS ARE CEMENTED ON ONE SIDE AT THE FACTORY:
 13,17,20,21,22

• DETAIL DRAWING: 6764026

APPROXIMATE NET WEIGHTS

CORE AND COILS-----	10001	LBS.
TANK AND FITTINGS-----	4813	LBS.
LIQUID- OIL 427 GAL. -----	3202	LBS.
TOTAL-----	18016	LBS.
APPROXIMATE TRANSFORMER SHIPPING WEIGHT	18016	LBS.

- 1 TANK - BRACED FOR 15 P.S.I. VACUUM OR POSITIVE PRESSURE.
 - 2 COVER - WELDED TO TANK FLANGE SEE DETAIL FIG. 9.
 - 3 BASE - JACKING AREA AT ENDS - SEE DETAIL FIG. 9. THE BASE IS DESIGNED TO PERMIT ROLLING IN DIRECTION PARALLEL TO TANK CENTER LINES.
 A = 62.62 B = 43.25 C = 4.31 D = 21.62 E = 21.62 F = 3.50
 G = 16.95 H = 3.50 J = 5.00 K = 52.62 L = 16.95
 - 4 GROUND PAD - 3 TOTAL - SEE DETAIL FIG 1.
 - 5 DRAIN VALVE - 2 INCH FOR COMBINATION LOWER FILTER PRESS CONNECTION AND COMPLETE DRAIN WITH 3/8 INCH SAMPLER.
 - 6 DIAGRAM INSTRUCTION PLATE WITH WARNING PLATE.
 SEE DETAIL FIG. 35 FOR THE STANDARD WARNING PLATE.
 - 7 LIQUID TEMPERATURE INDICATOR WITH MAXIMUM INDICATING HAND AND ALARM CONTACTS, SEE WIRING DIAGRAM.
 - 8 MAGNETIC LIQUID LEVEL GAUGE WITH ALARM CONTACTS, SEE WIRING DIAGRAM.
 - 9 VACUUM PRESSURE GAUGE WITH AIR TEST VALVE AND SEALED-AIR VALVE.
 - 10 LIFTING HOOKS 4 TOTAL, FOR LIFTING COMPLETE UNIT, SEE DETAIL FIG. 3.
 - 11 LIFTING LOOPS 2 TOTAL, FOR LIFTING COVER ONLY.
 - 12 COOLING TUBES.
 - 13 BOLTED HANDHOLE ON COVER OVER A 12.00 X 24.00 OPENING.
 - 14 DE-ENERGIZED TAP CHANGER OPERATING MECHANISM - WITH PROVISIONS FOR PADLOCKING.
 - 15 1.50 INCH VALVE FOR UPPER FILTER PRESS CONNECTION.
 - 16 1 INCH PIPE CAP FOR UPPER FILTER PRESS CONNECTION.
 - 17 AUTOMATIC RESETTING MECHANICAL RELIEF DEVICE WITH SEMAPHORE.
- 18 CONTROL CABINET - WITH UNDRILLED ENTRANCE PLATE OVER 4.50 X 17.00 INCH OPENING IN BOTTOM, SEE WIRING DIAGRAM 8498022.
 - 19 AIR BLAST FAN 3 TOTAL, WITH FLEXIBLE CONDUIT AND BAYONET CONNECTORS.
 - 20 LV BUSHING, 3 TOTAL,
 SEE D.S. 48-061-64 LINE 4, STUD DIA. 1.12-12, THRD. LG. 2.12
 - 21 MV BUSHING, 3 TOTAL,
 SEE D.S. 48-061-63 LINE 4, STUD DIA. 1.12-12, THRD. LG. 2.12
 - 22 LV NEUTRAL BUSHING, 1 TOTAL,
 SEE D.S. 48-061-64 LINE 4, STUD DIA. 1.12-12, THRD. LG. 2.12
 - 23 JACKING PADS ON TANK BOTTOM FOR LIFTING COMPLETE UNIT.
 - 24 RAPID PRESSURE RISE RELAY - 250 VDC - SEE WIRING DIAGRAM.
 - 25 HOT SPOT WINDING TEMPERATURE INDICATOR WITH ALARM CONTACTS, SEE WIRING DIAGRAM.
 - 26 JUNCTION BOX FOR CURRENT TRANSFORMER LEADS.

- SEND PRINTS TO CUSTOMER
- ⊙ DESIGNATES CENTER OF GRAVITY COMPLETE
 - CENTER OF GRAVITY FROM GROUND IN FRONT VIEW = 32.15
 - CENTER OF GRAVITY LEFT OF CENTERLINE TOP VIEW = .63
 - CENTER OF GRAVITY ABOVE CENTERLINE TOP VIEW = 3.79

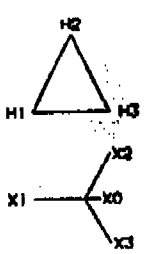
Westinghouse

VOLTS HV <input type="text" value="13200-"/> LV <input type="text" value="4800Y/2771"/> 60 HERTZ		THREE PHASE TYPE RSL OIL INSULATED SUBSTATION TRANSFORMER CLASS <input type="text" value="OA/FA"/> INSULOUR INSULATION		FULL LOAD KVA <input type="text" value="5000/5600"/> OA <input type="text" value="6250/7000"/> FA <input type="text" value="55/65"/> °C RISE GALLONS LIQUID <input type="text"/>	
INSTRUCTION BOOK <input type="text" value="PS-1002"/>		SERIAL <input type="text" value="SDT4408-"/>		MANUFACTURE DATE <input type="text"/>	
FULL WAVE IMPULSE TEST LEVEL: H.V. <input type="text" value="110"/> KV. L.V. <input type="text" value="75"/> KV.					
IMPEDANCE <input type="text"/> % AT <input type="text" value="5000"/> KVA <input type="text" value="13200"/> TO <input type="text" value="4800Y"/> VOLTS.					
APPROX. WEIGHT IN LBS. CORE AND COILS <input type="text"/>		CASE <input type="text"/>		LIQUID <input type="text"/> TOTAL <input type="text"/>	
MADE IN U.S.A. WESTINGHOUSE ELECTRIC CORPORATION					<input type="text" value="9750A711"/>

SUBS FOR CUSTOMER NAMEPLATE
 DATE
 REVISION
 ENG. *G. H. Kelly*
 SUB 01

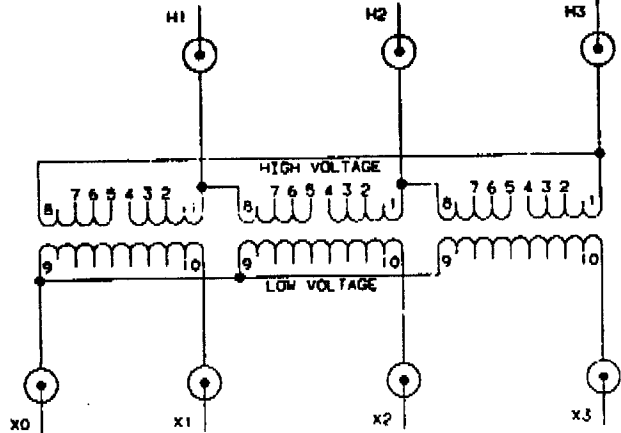
ENGINEERING REF.
 MIS. 23 & 24
 SHOP INFORMATION

CUSTOMER NOTE: I. N. P. DWG. IS FOR YOUR INFO & REVIEW. THE IMPEDANCE, WEIGHTS, AND GALLONS ARE LEFT BLANK SINCE DWG. IS SUBMITTED PRIOR TO MFG. THE ACTUAL TESTED VALUES ARE ENGRAVED ON THE METAL N.P. AT TIME OF SHIPMENT. THIS DWG. IS NOT SUBSEQUENTLY REVISED TO ADD TESTED VALUES.



CONNECTIONS			
WINDING	VOLTS	KVA AMPS	TAP CHANGER
			POS. CONNECTS
HIGH VOLTAGE DELTA	13860	260.4	1 4 TO 5
	13530	266.8	2 3 TO 6
	13200	273.4	3 3 TO 6
	12870	280.4	4 2 TO 6
	12540	287.8	5 2 TO 7
LOW VOLTAGE WYE	4800	751.8	

HV
 LV



THIS TRANSFORMER WILL CARRY KVA WITHOUT EXCEEDING 65°C AVERAGE TEMPERATURE RISE WHEN ADEQUATE COOLING EQUIPMENT IS ADDED.
 THE TRANSFORMER TANK IS DESIGNED TO WITHSTAND A POSITIVE OR NEGATIVE PRESSURE OF LBS. PER SQUARE INCH.
 THE OPERATING PRESSURE IS LIMITED BY THE SEALEDAIRE OIL PRESERVATION SYSTEM, WHEN PROVIDED, TO LBS. PER SQUARE INCH POSITIVE AND LBS. PER SQUARE INCH NEGATIVE.
 THE 25°C LIQUID LEVEL IS INCHES BELOW HIGHEST MANHOLE FLANGE.
 LIQUID LEVEL CHANGES INCH FOR EACH 10°C CHANGE IN AVERAGE LIQUID TEMPERATURE.
 THE TRANSFORMER MUST NOT BE ENERGIZED FROM ANY VOLTAGE SOURCE WHEN TAP CHANGER IS OPERATED.
 SUITABLE FOR OPERATION AT OR BELOW FEET ALTITUDE AT NAMEPLATE RATING.

SHOP ORDER
 SDT4408
 NAMEPLATE 5#
 7203A01H01
 9750A7

7203A01H01

PROVISION 2 1/2" x .032 STAINLESS STEEL #7904-19 -- SATIN FINISH - ETCHED.
 FILLED WITH BAKED BLACK ENAMEL. 5/16 IN. HOLES FOR 100-32 x 3/16 SCREW.
 SIZE 6 1/4 IN. x 10.0 IN. AREA 62.5 SQ. IN. RETURN TO SOUTH BOSTON
 DISTANCE BETWEEN CENTERS OF HOLES ON LONG EDGE 9 1/32 IN. 2 1/64 ON SHORT EDGE 5 27/32 IN. 1/64

S.O. SDT4408

NAMEPLATE
 P. 7203A01