

Transformer Nameplate Data

Qty - 1

Westinghouse Oil Filled Substation Transformer,

22.5 / 30 / 37.5 MVA - 65 C

HV: 115,000 Grd Wye/ 66,395 - BIL 450 kv

LV: 21,000 Grd Wye/ 12,125 - BIL 110 kv

3 Phase

60 Hertz

Class OA/FA/FA

Type SL

Insuldur Insulation System

Temperature Rise: 65 C

Impedance: 10.0% at 22,500 KVA, 115,000 volts to 21,000 volts

See Nameplate Drawing for further details.

HV Taps:

HV Volts	Amps @ 22,500 kva
112,875	115.9
115,000	113.0
117,875	110.2
120,750	107.6
123,625	105.1

L. Spec. RFS2544

Manufactured: 1984

Core & Coil Weight: 51,000 pounds

Oil (4,112 gallons): 30,840 pounds

Total Weight: 110,540 pounds (Including oil.)

Serial Number: RSF2544-1

Special Features

1. Standard gauge package included: Pressure, Temperature, Drain & Sample Valves.
2. In stock, can dismantle and ship ASAP if needed!

WINDING

115000 GRD.Y/66395 VOLTS
 21000 GRD.Y/12125 VOLTS
 13800 VOLTS

65 DEG. C. RISE

22500/30000/37500 KVA
 22500/30000/37500 KVA
 7875/10250/13125 KVA

THREE PHASE
 60 HERTZ L SPEC NF82544 TYPE SL
TRANSFORMER

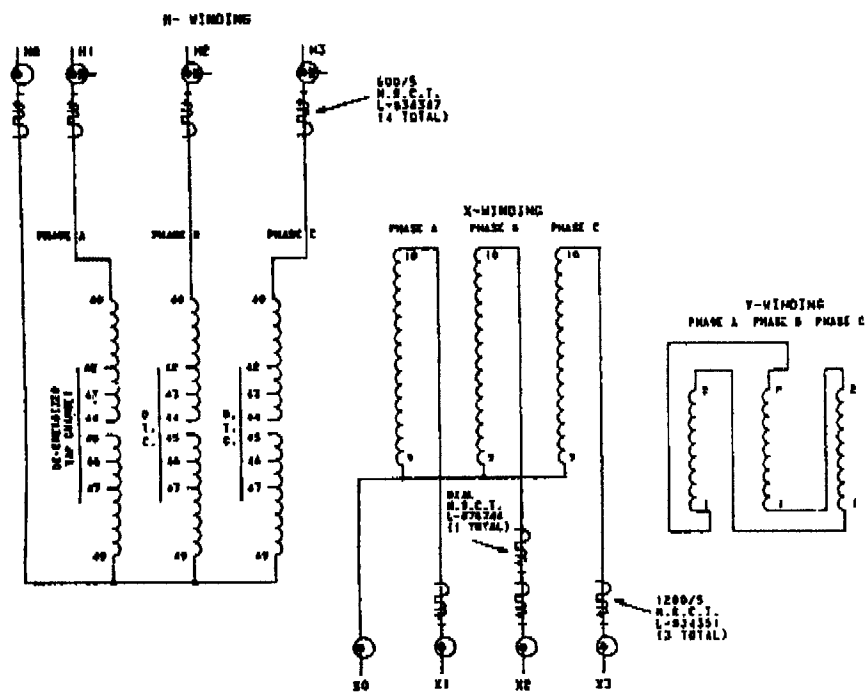
INSULDUR INSULATION CLASS DA/FA/FA SERIAL

INSTRUCTION BOOK GALS. OIL

BIL. H-WDG. 450 KV., H-WDG. NEUT. 150 KV., H-NEUT. BUSH. 150 KV., Y-WDG. 110 KV.,
 X-WDG. 150 KV., X-WDG. NEUT. 150 KV., X-NEUT. BUSH. 150 KV.
 IMPEDANCE XAT 22500 KVA 115000 TO 21000 VOLTS

APPROX. WEIGHT IN LBS. CASE OIL TOTAL

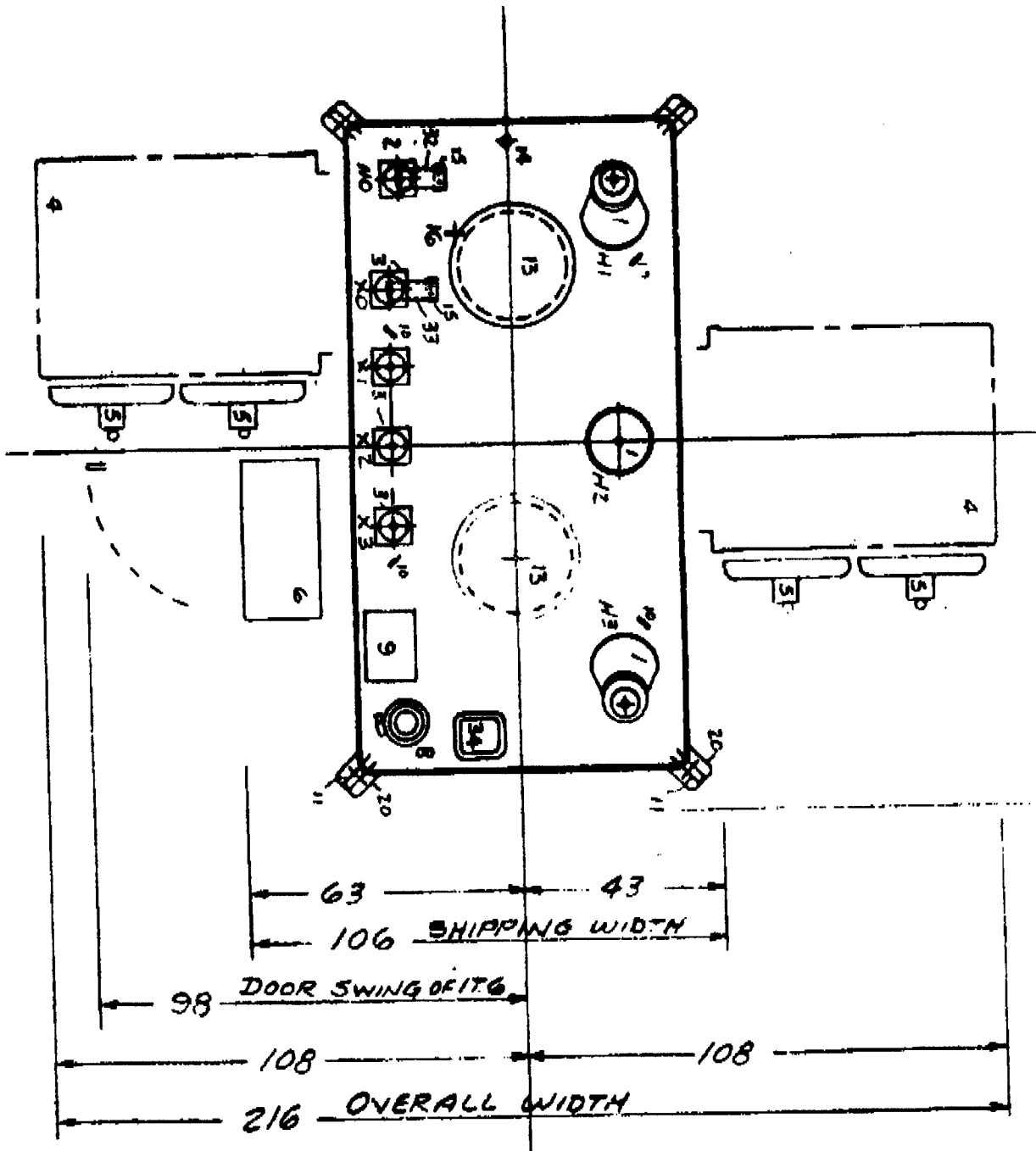
MADE IN U.S.A. 24623010010



WINDING	VOLTS	E2500			DE-ENERGIZED TAP CHANGER	
		KVA	AMPERES	AMPERES	POS.	CONNECTS
H- WINDING	123425	105.1	120.1	126.1	1	24 TO 25
	120750	107.6	123.4	129.3	2	23 TO 25
	117075	110.2	126.9	133.7	3	23 TO 24
	113400	112.8	130.6	138.3	4	22 TO 24
109725	115.5	134.5	143.1	5	22 TO 23	
X- WINDING	11000	610.0	624.0	1031.0		
Y- WINDING	12000	229.5	426.2	549.1		

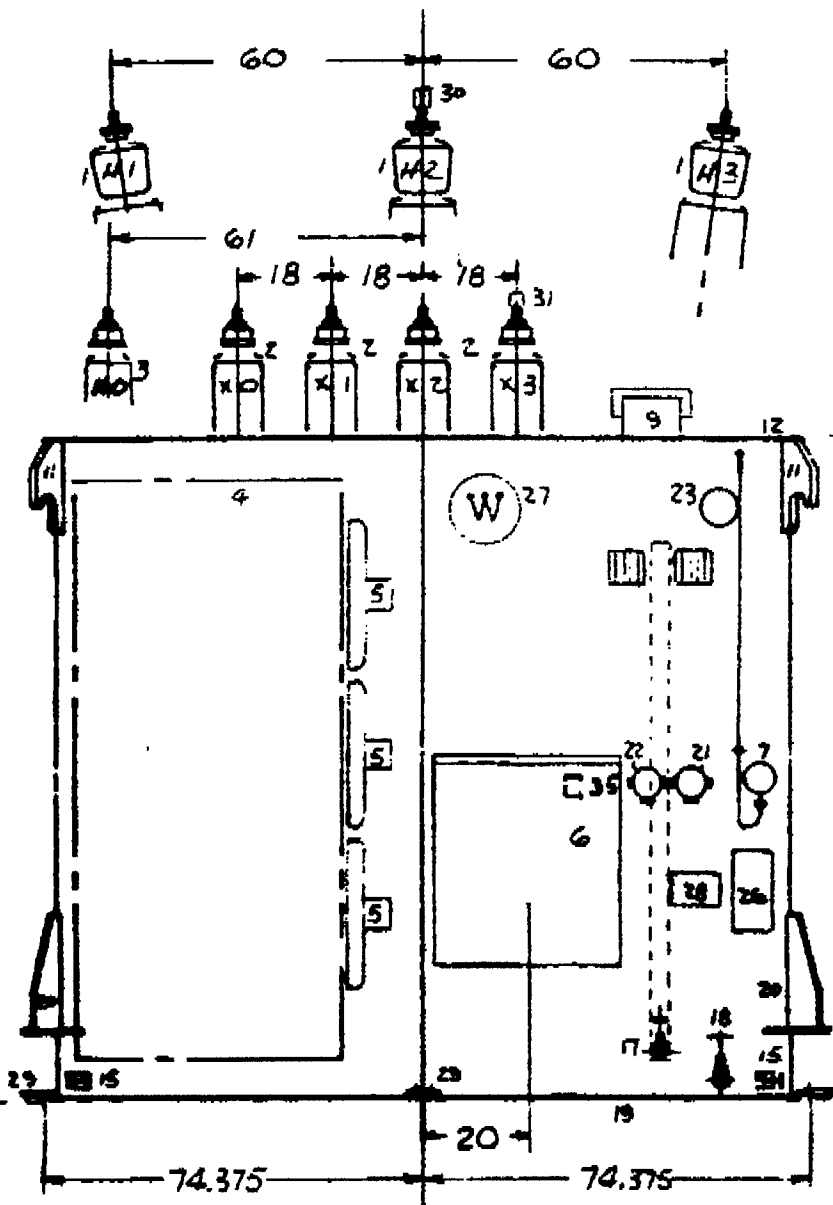
THE DELTA CONNECTION Y-WINDING IS PROVIDED FOR CIRCULATION OF THIRD HARMONIC CURRENTS AND STABILIZATION OF THE NEUTRAL. THIS CONNECTION MUST NEVER BE CHANGED.
 NO EXTERNAL LOAD TO BE TAKEN FROM THE Y-WINDING.
 THE LOW VOLTAGE WINDING NEUTRAL MUST BE PERMANENTLY GROUNDED EITHER DIRECTLY OR THROUGH A LOW IMPEDANCE.
 IF AN IMPEDANCE IS PLACED IN THE GROUND CIRCUIT, THE VOLTAGE FROM NEUTRAL TO GROUND DURING A FAULT MUST NOT EXCEED 2500 VOLTS.
 THE 60 DEG. C. LEAD LENGTH IS 18.00 INCHES BELOW TOP OF HIGHEST HANDLE FLANGE.
 LEADED LEVEL DIMENSION ±.75 INCHES FOR EACH 10 DEG. CHANGE IN AVERAGE LEADIN TEMPERATURE.
 THE TAPCHANGER MUST NOT BE OPERATED FROM ANY VOLTAGE SOURCE WHEN DE-ENERGIZED TAP CHANGERS ARE OPERATED.
 THE TRANSFORMER IS DESIGNED FOR OPERATION BETWEEN PHASE-TO-NEUTRAL VOLTAGES OF 4.5 PERCENT PER SQUARE INCH POSITIVE AND 4.5 PERCENT PER SQUARE INCH NEGATIVE.
 THE TRANSFORMER IS DESIGNED TO WITHSTAND COMPLETE VACUUM.
 THE LOW VOLTAGE WINDING NEUTRAL MUST BE PERMANENTLY GROUNDED EITHER DIRECTLY OR THROUGH A LOW IMPEDANCE.
 IF AN IMPEDANCE IS PLACED IN THE GROUND CIRCUIT THE VOLTAGE FROM NEUTRAL TO GROUND DURING A FAULT MUST NOT EXCEED 2500 VOLTS.





SHIPPING DIRECTION

237 UNTANKING HEIGHT
235 HEIGHT OVER REMOVE H.V. BUSHINGS



127.13 HEIGHT OVER COVER
136.5 SHIPPING HEIGHT
149.25 HEIGHT OVER L.V.-XO-NO BUSHINGS
190.5 HEIGHT OVER H.V. BUSHINGS