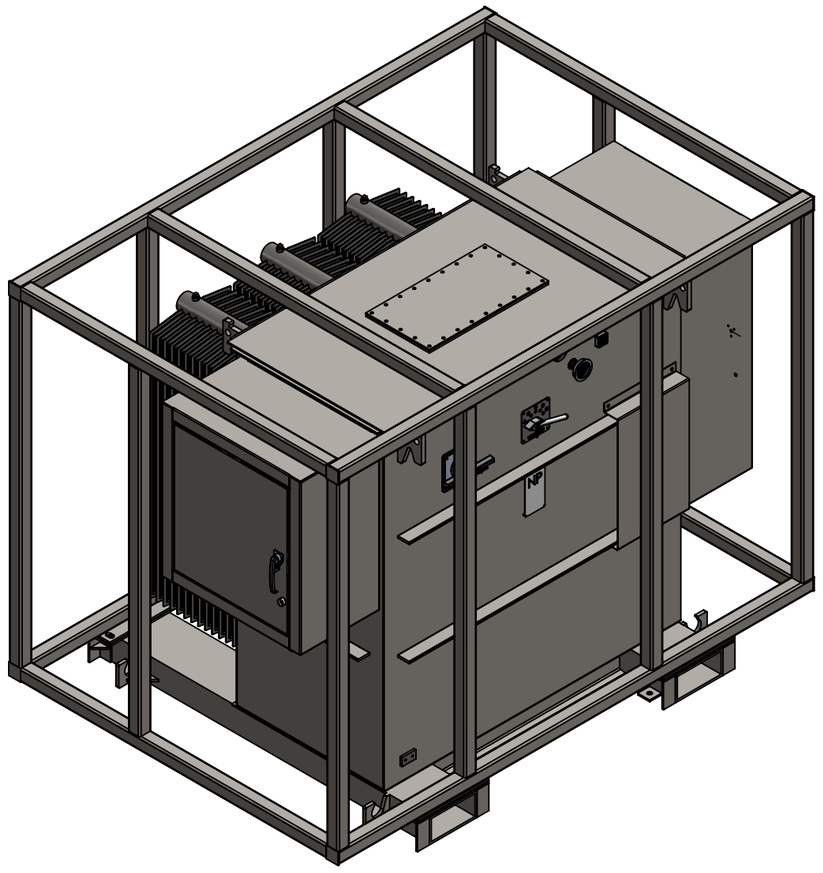
Vantran TRANSFORMERS



TRANSFORMER SPECIFICATIONS			
kVA	2500/2800	**PRIMARY VOLTAGE**	4160Y X 12470Y X 2400 DELTA X 7200 DELTA
PHASE	3		
FREQUENCY	60 HZ	**PRIMARY BIL**	95 kV
DESIGN IMPEDANCE	5.75%	**PRIMARY CONNECTION**	DELTA X WYE
INSULATING FLUID	MINERAL OIL	**PRIMARY CONDUCTOR**	ALUMINUM
COOLING CLASS	ONAN	**SECONDARY VOLTAGE**	480Y/277 X 600Y/346
TEMPERATURE RISE	55/65C°		
PAINT COLOR	RENTAL WHITE	**SECONDARY BIL**	30 kV
PAINT SYSTEM	STANDARD URETHANE	**SECONDARY CONNECTION**	WYE
		SECONDARY CONDUCTOR	ALUMINUM

ORDER INFORMATION		
PO#		
CUSTOMER		
TRANSFORMER QTY		
DRAWINGS STATUS		PRELIMINARY
		APPROVAL
	X	**CONSTRUCTION**
		AS BUILT

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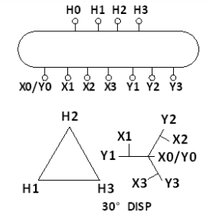
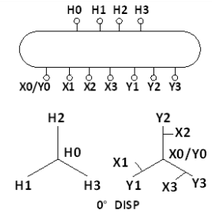
Vantran TRANSFORMERS

S/N: AS ASSIGNED	**TYPE : CZ**	**MFG DATE :**	
kVA : 2500/2800	**55/65°C RISE**	**% IMP AT 75°C**	
INSULATING LIQUID	**MINERAL OIL**	**NON-PCB.7**	**780 GAL**
THREE PHASE	**CLASS-ONAN**	**60 HZ**	**INST BOOK STA-OM200**
VOLTAGE RATING	**2400 DELTA X 7200 DELTA - 480Y/277 X 600Y/346** **4160Y/2400 X 12470Y/7200- 480Y/277 X 600Y/346**		
BIL - H.V/L.V 95/30 kV		**CONDUCTOR MAT: H.V/L.V - AL/AL**	





VOLTS	AMP.	CONNECTION
600Y	2697	Y1-Y2-Y3

VOLTS	AMP.	CONNECTION
480Y	3369	X1-X2-X3

DELTA HIGH VOLTAGE CONNECTIONS				
VOLTS	AMP.	TAP-CHANGER	Δ-Y SWITCH	D-V SWITCH
2400	638	D	1/Δ	1
8320	194	A	1/Δ	2
7970	203	B	1/Δ	2
7620	212	C	1/Δ	2
7200	225	D	1/Δ	2
6928	233	E	1/Δ	2

WYE HIGH VOLTAGE CONNECTIONS				
VOLTS	AMP.	TAP-CHANGER	Δ-Y SWITCH	D-V SWITCH
4160Y	389	D	2/Y	1
14400Y	112	A	2/Y	2
13800Y	117	B	2/Y	2
13200Y	122	C	2/Y	2
12470Y	130	D	2/Y	2
12000Y	135	E	2/Y	2

CAUTION: TAP CHANGER MUST BE ON D POSITION FOR 2400 VOLTS OR 4160Y

NOTES:

1. WHEN THE DELTA-WYE SWITCH IS IN POSITION 2 WYE POSITION:
   - IF HV IS REQUIRED TO OPERATE AT A WYE VOLTAGE, IT'S RECOMMENDED H0 & X0 BE GROUNDED.
   - IF HV IS REQUIRED TO OPERATE AT A DELTA VOLTAGE, THE H0 GROUND BOND SHOULD BE REMOVED.
2. MAX OPERATING PRESSURE OF LIQUID PRESERVATION SYSTEM 7.5 LBF/IN² POSITIVE AND 5 LBF/IN² NEGATIVE.
3. TANK DESIGNED FOR 12 LBF/IN² VACUUM FILLING.
4. FILLING LIQUID LEVEL BELOW TOP SURFACE OF THE HIGHEST POINT OF THE HIGHEST MANHOLE FLANGE AT 25°C 6.56 INCHES.
5. LIQUID LEVEL CHANGES 0.48 INCHES/10 °C CHANGE IN LIQUID LEVEL TEMPERATURE.
6. RATED CURRENTS OF ALL TAPS ARE AT THE HIGHEST KVA RATING
7. CONTAINS NO DETECTABLE LEVEL OF PCB (LESS THAN 1 PPM) AT THE TIME OF MANUFACTURE

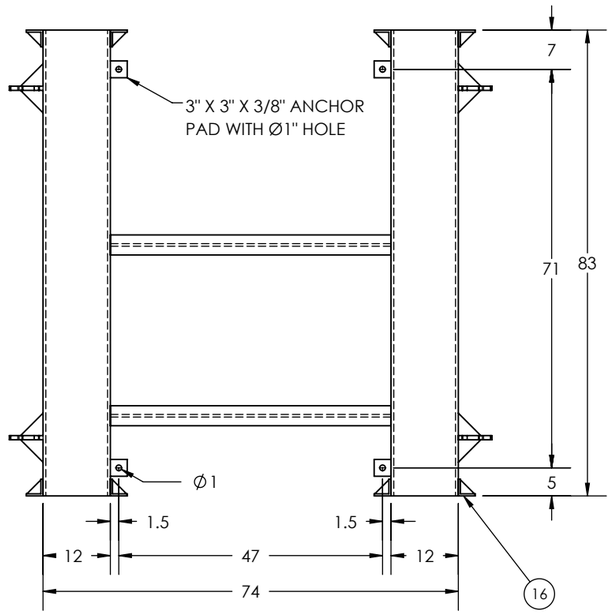
CORE AND COILS (UNTANKING MASS)	6,200 LBS
TANK & FITTINGS	6,950 LBS
LIQUID	5,850 LBS
TOTAL MASS	19,000 LBS

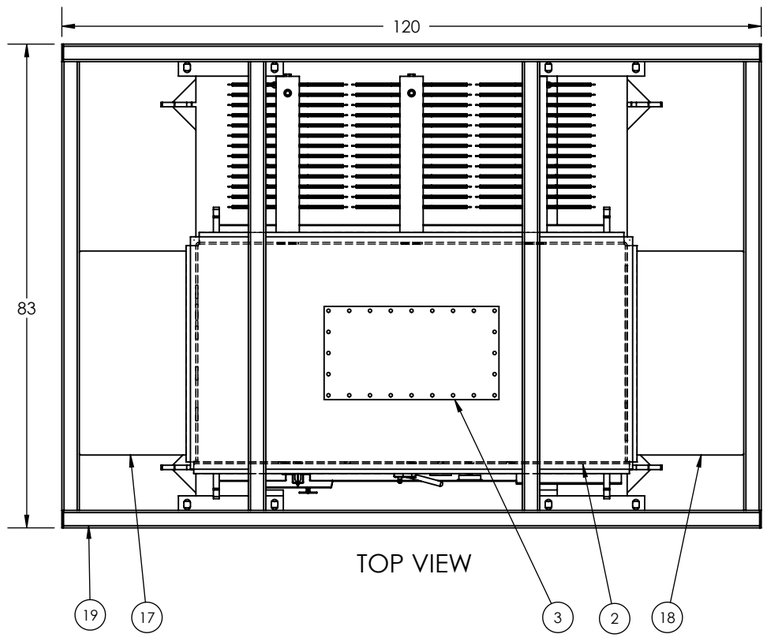
c UL US LISTED
Liquid-Filled Distribution Transformer. E349116

TRANSFORMER MANUFACTURED BY:
VANTRAN - WACO, TEXAS USA

			SO#:	Vantran TRANSFORMERS
			TITLE: **3D MODEL & NAMEPLATE**	
			DWG#: **2.5MTN-6800-1**	
DRAWN	JS	4/2/20		
	NAME	DATE	SCALE: NTS	ALL DIMENSIONS ARE IN INCHES REV 0

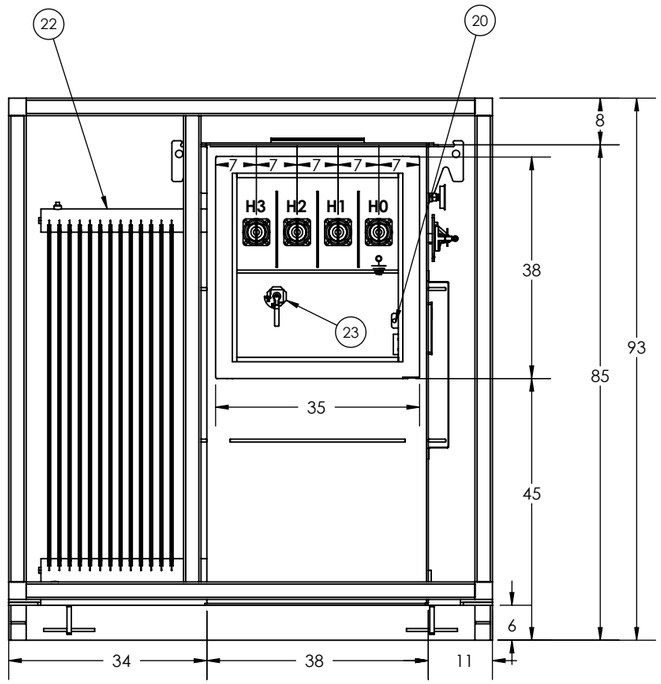
VANTRAN TRANSFORMERS - WACO, TEXAS - USA



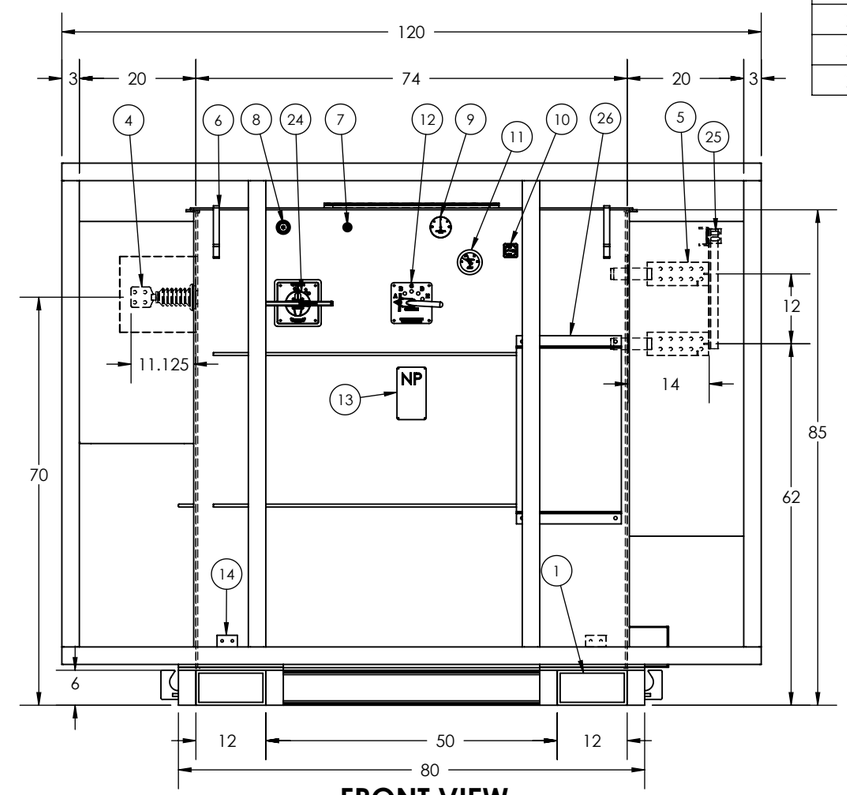


TOP VIEW

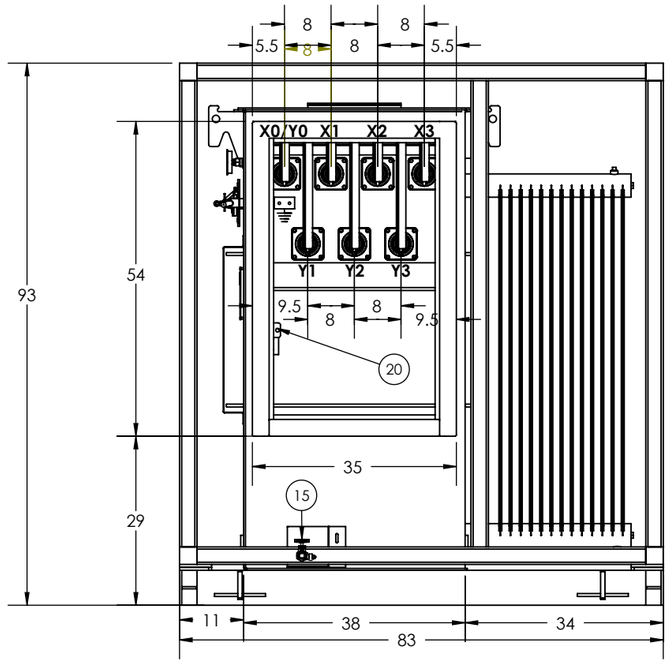
ITEM #	DESCRIPTION	QTY
1	FORK TRUCK LIFTING PROVISIONS	-
2	WELDED ON COVER IN MILD STEEL	-
3	BOLTED ON INSPECTION PLATE IN MILD STEEL	1
4	15 KV HIGH VOLTAGE BUSHINGS WITH 4-HOLE NEMA SPADE TERMINALS	4
5	1.2 KV 4500A LOW VOLTAGE BUSHINGS WITH 12-HOLE NEMA SPADE TERMINALS	7
6	LIFTING LUGS IN MILD STEEL	4
7	PRESSURE RELIEF VALVE	1
8	1" FILL PLUG WITH SCHRADER VALVE	1
9	PRESSURE VACUUM GAUGE	1
10	LIQUID LEVEL GAUGE	1
11	TEMPERATURE GAUGE	1
12	EXTERNALLY OPERATED DE-ENERGIZED TAP-CHANGER	1
13	DURABLACK NAMEPLATE	1
14	STAINLESS STEEL GROUND PAD	4
15	1" DRAIN VALVE WITH OIL SAMPLER IN A PADLOCKABLE BOX	1
16	TANK BASE IN MILD STEEL WITH PROVISIONS FOR ROLLING	1
17	HIGH VOLTAGE AIR TERMINAL CHAMBER IN MILD STEEL	1
18	LOW VOLTAGE AIR TERMINAL CHAMBER IN MILD STEEL	1
19	3" BOLTED ON PROTECTIVE CAGE	1
20	HEX HEAD REA BOLT FOR SECURING DOOR DURRING TRANSIT	2
21	GAUGE AND SWITCH GUARD	2
22	WELDED ON MILD STEEL RADIATORS	3
23	EXTERNALLY OPERATED DE-ENERGIZED DUAL VOLTAGE SELECTOR SWITCH	1
24	EXTERNALLY OPERATED DE-ENERGIZED DELTA-WYE SWITCH	1
25	LV BUSHING SUPPORT	7
26	ENCLOSURE/CPT MOUNTING PROVISIONS	1



LEFT SIDE VIEW



FRONT VIEW



RIGHT SIDE VIEW

VANTRAN TRANSFORMERS - WACO, TEXAS - USA

			SO#:	Vantran TRANSFORMERS
			TITLE: **OVERALL DIMENSIONS**	
			DWG#: **2.5MTN55-6800-2**	
DRAWN	JS	4/2/20		
	NAME	DATE	SCALE: NTS ALL DIMENSIONS ARE IN INCHES	REV 0