

SEE INSTRUCTION BOOK FOR INSTALLATION AND MAINTENANCE.  
 THIS OUTLINE CAN BE USED FOR ERECTION PURPOSES. IT IS NOT TO BE  
 REGARDED AS INDICATING THE EXACT DETAILS OF CONSTRUCTION.  
 ALL VALVES HAVE SCREENED ENDS UNLESS OTHERWISE SPECIFIED.  
 ALL VALVES AND FITTINGS ARE EQUIPPED WITH M.I. PLUGS.  
 BEFORE BREAKING THE SEAL ON ANY OPENING, BE SURE THE LIQUID IS LOWERED BELOW THE OPENING.  
 BEFORE FILLING THE CASE WITH LIQUID, SEE INSTRUCTION BOOK.  
 THE CORE AND COILS ARE BRACED INSIDE THE CASE FOR SHIPMENT. IT IS NOT  
 NECESSARY TO REMOVE BRACES BEFORE PLACING IN SERVICE.  
 THE TRANSFORMER AND CASE MUST NOT BE LIFTED TOGETHER UNLESS THE COVER IS FASTENED IN PLACE.  
 THE CASE IS BRACED FOR FILLING UNDER FULL VACUUM.  
 SHIPMENT WILL BE MADE IN NITROGEN IN ITS OWN CASE.  
 DO NOT ENTER UNIT WITHOUT CHECKING OXYGEN CONTENT FOR SAFETY.  
 CHECK OPERATION OF TAP CHANGER MECHANISM BEFORE SEALING TRANSFORMER.  
 THIS TRANSFORMER IS "SELEDAIRE" CONSTRUCTION. THE GAS SPACE IS SEALED TO  
 PREVENT BREATHING UNDER NORMAL OPERATION.  
 MOUNT ALL RADIATOR BRACES BEFORE ASSEMBLING RADIATORS ON THE CASE.  
 RAILS OR PEDESTALS USED TO SUPPORT THE TRANSFORMER OR ROLLERS USED TO MOVE THE  
 TRANSFORMER MUST BE LOCATED IN OR ACROSS THE SHADED AREA. THE TRANSFORMER WEIGHT  
 IS DISTRIBUTED AND SUPPORTED BY THE TANK WALL LOCATED AS INDICATED BY THE SHADED  
 AREA. THE PORTION OF THE TRANSFORMER BOTTOM NOT SHADED WILL NOT SUPPORT THE TRANSFORMER.  
 3710 GALLONS OF LIQUID ARE REQUIRED TO COVER CORE AND COILS WITH COOLERS  
 MOUNTED AND 3250 GALLONS WITHOUT COOLERS.  
 ALL GASKETS ON BUSHING BOSSES, RADIATOR VALVES AND REMOVABLE OIL COVERS ARE NITRILE.  
 THE FOLLOWING ITEMS ARE REMOVED FOR SHIPMENT: 1, 2, 3, 4, 5, 29, 30, 31, 32, 33 & 34

APPROXIMATE NET WEIGHTS		
CORE AND COILS-----	50900	LBS.
CASE AND FITTINGS-----	28800	LBS.
LIQUID-----	30600	LBS.
TOTAL-----	110300	LBS.
APPROXIMATE SHIPPING WEIGHT----- 64900 LBS.		

ITEM	FITTINGS AND DESCRIPTIONS
1	H.V. BUSHINGS-WITH LIGHT GRAY ANSI # 70 INSULATOR-3 TOTAL-D.S. 5845C44 S#115A1216AK WITH STUD 1.500 DIAMETER-12 THREAD - 2.00 INCHES LONG- INTERNAL TOP CONNECTED- DRAW THROUGH LEAD- (W) TYPE O-115KV-STYLE NO# 5643C63601
2	H.V. NEUTRAL BUSHING-WITH LIGHT GRAY ANSI # 70 INSULATOR-1 TOTAL-D.S. 5854C30 LINE 3 WITH STUD 1.500 DIAMETER-12 THREAD - 2.125 INCHES LONG- INTERNAL BOTTOM CONNECTED- BOLTED TERMINAL (W) TYPE O-25KV-STYLE NO# 025A412AT
3	X.V. BUSHINGS-WITH LIGHT GRAY ANSI # 70 INSULATOR-4 TOTAL-D.S. 5854C30 LINE 3 WITH STUD 1.500 DIAMETER-12 THREAD - 2.125 INCHES LONG- INTERNAL BOTTOM CONNECTED- BOLTED TERMINAL (W) TYPE O-25KV-STYLE NO# 025A412AT
4	RADIATORS-WITH 1.0 INCH DRAIN AND VENT PLUGS-CONNECTED AT TOP AND BOTTOM TO SHUT OFF VALVES ON CASE.
5	FORCED-AIR COOLING FANS. FAN MOTORS ARE SINGLE PHASE, 60 HERTZ, 230 VOLTS- TOTAL KVA REQUIRED 4.6 - (W) 1/3 HP HD FAN-OSHA CAGE-SEALED BALL BEARINGS- CFM=6700
6	CONTROL CABINET FOR ALARM, FAN AND CURRENT TRANSFORMER LEADS - SHOCKED MOUNTED-WITH DOOR STOP- WITH UNDRILLED PLATE OVER 10 X26.375 OPENING FOR CUSTOMERS ENTRANCE.
7	RELIEF VALVE ASSEMBLY WITH VACUUM PRESSURE GAUGE AND AIR TEST VALVE - WITH ALARM CONTACTS FOR
8	AUTOMATIC RESET MECHANICAL RELIEF DEVICE WITH SEMAPHORE AND ALARM CONTACTS SWITCH RATING SEE TABLE I FOR INDICATING RELIEF DEVICE TRIP - FOR SWITCH RATING SEE TABLE I.
9	JUNCTION BOX FOR CURRENT TRANSFORMER LEADS.
10	LIFTING LOOPS- 4 TOTAL - LOOPS FOR LIFTING COVER ONLY.
11	LIFTING HOOKS- 4 TOTAL - FOR LIFTING COMPLETE UNIT. SEE DETAIL.
12	CASE AND COVER-WELDED.
13	HANHOLE 24 INCH DIAMETER OPENING-2 TOTAL
14	FILLING CONNECTION, 1 INCH COUPLING AND PLUG.
15	GROUND PAD ON CASE WALL- 4 TOTAL. SEE DETAIL.
16	MAIN TRANSFORMER CORE GROUND PAD-WITH CAPTIVE BOLTS.
17	VALVE-1 INCH-FOR UPPER FILTER PRESS CONNECTION.
18	VALVE-2 INCH-FOR COMBINATION LOWER FILTER PRESS AND COMPLETE DRAIN- WITH 0.375 SAMPLING DEVICE.
19	BASE WELDED TO CASE. SEE DETAIL. BASE MAY BE SKIDDED OR ROLLED IN ANY DIRECTION.
20	JACK LUG ON CASE WALL- 4 TOTAL -FOR JACKING COMPLETE UNIT. SEE DETAIL.
21	LIQUID TEMPERATURE INDICATOR WITH MAXIMUM INDICATING HAND AND ALARM CLOSING CONTACTS - FOR SWITCH RATING SEE TABLE I. - WITH CAPILLARY TUBE
22	HOTSPOT TEMPERATURE INDICATOR, LIQUID PRESSURE DIAL TYPE WITH CAPILLARY TUBE. WITH MAXIMUM INDICATING HAND AND ALARM CLOSING CONTACTS - FOR SWITCH RATING SEE TABLE I. ADDITIONAL CONTACTS CONTROL FANS
23	MAGNETIC LIQUID LEVEL GAUGE WITH LOW LIQUID LEVEL ALARM CONTACTS - FOR SWITCH RATING SEE TABLE I.
24	DE-ENERGIZED TAP CHANGER OPERATING MECHANISM WITH PROVISION FOR PADLOCKING.
25	DE-ENERGIZED TAP CHANGER WARNING NAMEPLATE.
26	DIAGRAM INSTRUCTION PLATE.
27	DRESS NAMEPLATE.
28	CAUTION NAMEPLATE
29	EARTHQUAKE TIE DOWN LUGS- 6 TOTAL - SEE DETAIL - SHIPPED DETAIL
30	H.V. BUSHING TERMINALS- 4 TOTAL - ANDERSON ELECTRIC CAT# HDSF-14-1-3-3/8-12-T.P.- 4 HOLE SPADE TYPE
31	L.V. BUSHING TERMINALS- 4 TOTAL - ANDERSON ELECTRIC CAT# HDSF-14-1-D-1/2-12-T.P.- 4 HOLE SPADE TYPE
32	H.O. BUSHING REMOVABLE GROUND CONNECTOR -.28 X 3 FLEXIBLE COPPER BUS- 1 TOTAL
33	X.O. BUSHING REMOVABLE GROUND CONNECTOR -.28 X 3 FLEXIBLE COPPER BUS- 1 TOTAL
34	SUDDEN PRESSURE RELAY.
35	CONTROL PANEL FOR SUDDEN PRESSURE RELAY FOR 125 V D.C ALARM CIRCUIT, WITH MANUAL RESET SWITCH. MOUNTED IN CONTROL PANEL. ALARM TRIP CONTACTS PER TABLE II.

SEND PRINTS TO CUSTOMER