



ABB INC.
 SMALL POWER TRANSFORMERS
 SOUTH BOSTON, VIRGINIA U.S.A.

APPROXIMATE NET WEIGHTS

CORE AND COILS	28964 LBS
TANK AND FITTINGS	12990 LBS
LIQUID - OIL	12990 LBS
APPROXIMATE TRANSFORMER SHIPPING WEIGHT	54929 LBS
LV CHAMBER WEIGHT	354 LBS
HV CHAMBER WEIGHT	525 LBS
TOTAL WEIGHT	55818 LBS
COOLER LIQUID TOTAL	364 GAL
MAXIMUM COOLER ASSEMBLY WEIGHT EACH	2720 LBS
COOLER WEIGHTS ARE INCLUDED IN TANK AND FITTINGS WEIGHT	875 LBS
COOLER LIQUID WEIGHT IS INCLUDED IN LIQUID WEIGHT	

- ITEM
- 1 SEALED TANK - BRACED FOR 15 PSI - COLDER ANST 61
 - 2 WELDED COVER WITH GASKET AND LIFTING LUGS FOR LIFTING COVER ONLY.
 - 3 BASE - DESIGNED FOR ROLLING PARALLEL TO CENTERLINES
 - 4 20 BRAIN VALVE/LOWER FILTER PRESS WITH 28 SAMPLER
 - 5 GROUND PADS - 2 HOLE NEMA DRILLING - 03 TOTAL
 - 6 NAMEPLATE AND WARNING DECAL
 - 7 NAMEPLATE OPERATING INSTRUCTIONS
 - 8 MOUNTING HOLES FOR LEVEL GAUGE
 - 9 VACUUM PRESSURE GAUGE WITH AIR TEST VALVE AND SEALED/DRIVE VALVE.
 - 10 LIFTING HOOK FOR LIFTING COMPLETE TRANSFORMER
 - 11 THE TRANSFORMER IS DESIGNED FOR LIFTING WITH 4 VERTICAL SLINGS. THIS MAY REQUIRE THE USE OF A SPREADER OR LIFTING BEAM IF VERTICAL SLINGS ARE NOT POSSIBLE.
 - 12 THE MINIMUM PERMISSIBLE SLING ANGLE RELATIVE TO HORIZONTAL IS 69 DEGREES.
 - 13 PANEL COOLERS WITH SHUT-OFF VALVES
 - 14 BOLTED HANDLE - 1200 X 2400 OPENING, WITH CORRUGATE GASKET.
 - 15 DE-ENERGIZED TAP CHANGER - WITH 28 HOLE FOR PADLOCKING
 - 16 LV VALVE FOR UPPER FILTER PRESS CONNECTION
 - 17 LV FREE STANDING AIR TERMINAL CHAMBER - BOTTOM ENTRANCE
 - 18 LV FREE STANDING AIR TERMINAL CHAMBER - BOTTOM ENTRANCE
 - 19 PROCESSING PORT FOR MANUFACTURING
 - 20 PROCESSING PORT FOR MANUFACTURING
 - 21 LV BUSHING STYLE BOTTLE/COIL
 - 22 LV BUSHING STYLE BOTTLE/COIL
 - 23 JACKED PREVENTION ON TANK FOR JACKING COMPLETE UNIT
 - 24 TETHER POLE MOUNTING PLATE
 - 25 HV BUSHING GUARD, GUARD TO BE DISCARDED AFTER SHIPMENT.
 - 26 HV BUSHING GUARD, GUARD TO BE DISCARDED AFTER SHIPMENT.

ITEMS ARE REMOVED FOR SHIPMENT

RENEWAL PARTS FOR OUTLINE
 A SPARE SET OF ALL GASKETS AND
 1 OF EACH STYLE BUSHING IS RECOMMENDED FOR STOCK.
 FOR PRICES CONTACT YOUR FIELD SALES OFFICE.
 ORDER RENEWAL PARTS BY STYLE NUMBER AS FOLLOWS:
 STYLE NUMBER - OUTLINE NUMBER - ITEM NUMBER - QUANTITY.
 EXAMPLE: HB3440801-20-1.
 FOR GASKETS ONLY PLACE A 'G' IN FRONT OF OUTLINE NUMBER
 EXAMPLE: GB3440801-20-1. (ONE GASKET)
 EXAMPLE: GB3440801 (ALL GASKETS)

DESIGNATES CENTER OF GRAVITY COMPLETE

DESIGN IMPEDANCE	7.00
FROM DRAWING IN FRONT VIEW	
FROM CENTER LINE TOP VIEW	
FROM CENTER LINE FRONT VIEW	

APPARATUS UNIT SUBSTITUTION TRANSFORMER CLASS NAME	OUTDOOR
HTV 150 KV BIL L V 60 KV BIL	
15000 KVA	15000
60 HERTZ	
DATE 01/17/11	
BY 1000	
REV 1	
REV 2	
REV 3	
REV 4	
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