



GENERIC LV CABINET SHOWN. SIZES MAY CHANGE. FINAL DESIGN MAY REQUIRE SEPARATION FROM THE TX FOR TRANSPORTATION.

1933 O/ALL SEE GENERAL NOTE 6

1978 O/ALL



TRANSFORMER WEIGHT & VOLUME		
CORE AND WINDING	kg	3520
TANK AND FITTING	kg	1750
COOLING LIQUID VOLUME	L	1820
COOLING LIQUID WEIGHT	kg	1480
TOTAL TX WEIGHT	kg	6750
ADDITIONS TO THE TRANSFORMER WEIGHT		
LV CABINET	Kg	---

2500kVA ELECTRICAL RATINGS					
No Load Voltage Ratio at Normal Tap	HV Tappings	Vector Group	Frequency	Full-Load Current at Normal Tap	
				HV Side	LV Side
11000 / 433V	+5.0 to -5.0% in 2.5% INCREMENTS	Dyn11	50Hz	131.216A	3333.431A
Design Impedance at Normal Tap	No Load Losses at rated Voltage & Frequency	Full Load Losses at rated Current & at 75°C Temp.	Temp. Rise above Ambient 40°C		
			in Oil by Therm.	in Wdg. by Res.	
6.0%	1575W	18500W	60°C	65°C	

ITEM	QTY	DESCRIPTION
21	2	DETACHABLE RADIATORS with AIR-RELEASE & DRAIN PLUG (520W x 1200C x 85 x 40P)
20	2	DETACHABLE RADIATORS with AIR-RELEASE & DRAIN PLUG (520W x 1200C x 105 x 40P)
19	1	DETACHABLE CONSERVATOR
18	1	PROVISION FOR PRESSURE RELIEF DEVICE
17	1	OIL FILLING VALVE WITH ONE SIDE FLANGED & PLUG
16	1	WTI CT BUSHING TERMINALS ENCLOSED IN BOX
15	1	BUCHHOLZ RELAY EE2 (WITH ALARM & TRIP CONTACT)
14	1	DRAIN VALVE (25NB) with MALE PLUG
13	4	JACKING PADS
12	1	RATING & DIAGRAM PLATE (SS)
11	4	TRANSFORMER LIFTING LUGS
10	1	OFF-CIRCUIT TAP SWITCH (5-Position & Padlockable)
9	2	THERMOMETER POCKET (3/4" BSP MALE THREAD)
8	1	SHUT OFF VALVE FOR CONSERVATOR
7	1	TOP COVER with LIFTING LUGS (x2)
6	1	OIL LEVEL GAUGE with 15° COLD OIL LEVEL MARK
5	1	AIR VENT PIPE (3/4") FOR DEHYDRANT BREATHER
4	2	EARTHING TERMINAL (FLAT TYPE suitable for M12 Bolt)
3	1	TRANSFORMER BASE (SKID TYPE) c/w HAULAGE HOLES & BRACING
2	1	LV CABINET, BOTTOM ENTRY, GENERIC MODEL - SUBJECT TO CHANGE (FACING-'F', BS:2562)
1	1	HV CABLE BOX - 12KV, 3-POLE, HEAT-SHRINK INSULATION, (FACING-'E' BS:2562) SUITABLE FOR 1 x 3c CABLE - MAX. 185mm.sq

ESSENTIAL LABELS

- ITEM 10 TAP CHANGER WARNING LABEL
- ITEM 6 COLD COOLANT LEVEL
- ITEM 2 LV WARNING LABEL
- ITEM 1 HV WARNING LABEL

HV TERMINAL DETAILS (01)		
0 - 250A	A = M12	20 NM
251 - 400A	A = M16	25 NM

- GENERAL NOTES
- ALL DIMENSIONS ARE IN 'mm'.
 - ALL DIMENSIONS/WEIGHTS ARE SUBJECT TO ± 10% TOLERANCE.
 - ELECTRONIC SCALE - 1:1 (ONLY WRITTEN DIMENSIONS TO BE FOLLOWED).
 - TOLERANCE ON IMPEDANCE PER IEC:60076.
 - PAINT SHADE.: 632 AS PER BS:381C (SEMI GLOSS) TO ISO12944 - MIN C4 SPEC.
 - O/ALL DIM IS SUBJECT TO EQUIPMENT DOOR OPENING DISTANCES.
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IF IN DOUBT - ASK. REMOVE ALL SHARP EDGES. DO NOT SCALE. DRAWING NOT TO SCALE

REV	REV BY	VERIFIED	APPROVED	DESCRIPTION

REVISION DESCRIPTION	REV	PROJECT
ORIGINAL	00	

CUSTOMER	S.O. NUMBER	P.O. NUMBER	W.O. NUMBER

DRAWING TITLE
GENERAL ARRANGEMENT DRAWING FOR
2500kVA WILSON T2 ECOTRANS
11000/433V, 50Hz, Dyn11, ONAN/KNAN
AL WOUND DISTRIBUTION TRANSFORMER
LV CABINET

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DRAWN BY: M. STOTSJUK DATE: 22/08/2021 DRG NO: WPS-T2-2500-AL-A003