



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



TRANSFORMER WEIGHT & VOLUME		
CORE AND WINDING	kg	1265
TANK AND FITTING	kg	675
COOLING LIQUID VOLUME	L	930
COOLING LIQUID WEIGHT	kg	760
TOTAL TX WEIGHT	kg	2700
ADDITIONS TO THE TRANSFORMER WEIGHT		
SN6 / CN2 RMU WEIGHT	Kg	250
LV CABINET WEIGHT	kg	----

315kVA 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 / 415V	+7.5 to -5.0% in 2.5% INCREMENTS	Dyn11	50Hz	16.5A	438.2A	
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.		
4.75%	180W	2380W	60°C	65°C		

- 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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ITEM	QTY	DESCRIPTION
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 (6-Position & Padlockable)
9	2	THERMOMETER POCKET (3/4" BSP MALE THREAD)
8	2	OIL FILLING PIPE WITH FLANGED COVER
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 SWITCH/BREAKER, 630A/200A, [Schneider : SN6/CN2] (FACING-'E' BS:2526)

- ESSENTIAL LABELS**
- ITEM 10: TAP CHANGER WARNING LABEL
  - ITEM 6: COLD COOLANT LEVEL
  - ITEM 2: LV WARNING LABEL
  - ITEM 1: HV WARNING LABEL

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  
315kVA WILSON e3 ECOTRANS ULTRA LOW LOSS  
11000/415V, 50Hz, Dyn11, ONAN/KNAN  
AL WOUND DISTRIBUTION TRANSFORMER  
LV CABINET & SN6 / CN2

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DRAWN BY: M.WRIGHT DATE: 09/10/2019 DRG NO: **WPS-E3-315-AL-A005**