



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



TRANSFORMER WEIGHT & VOLUME		
CORE AND WINDING	kg	1500
TANK AND FITTING	kg	850
COOLING LIQUID VOLUME	L	650
COOLING LIQUID WEIGHT	kg	530
TOTAL TX WEIGHT	kg	2880
ADDITIONS TO THE TRANSFORMER WEIGHT		
RN2c RMU WEIGHT	kg	500
LV CABINET WEIGHT	kg	—

1000kVA		ELECTRICAL RATINGS			
No Load Voltage Ratio at Normal Tap	HV Tappings	Vector Group	Frequency	Full-Load Current at Normal Tap	
11000 / 415V	+7.5 to -5.0% in 2.5% INCREMENTS	Dyn11	50Hz	HV Side	LV Side
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		
4.75%	770W	10500W	in Oil by Therm.	in Wdg. by Res.	
			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
15	4	DETACHABLE RADIATORS with AIR-RELEASE & DRAIN PLUG (520W x 1200C x 5S x 40P)
14	1	DRAIN VALVE (25NB) with MALE PLUG
13	4	JACKING PADS
12	1	RATING & DIAGRAM PLATE (SS)
11	2	TRANSFORMER LIFTING LUGS
10	1	OFF-CIRCUIT TAP SWITCH (6-Position & Padlockable)
9	2	THERMOMETER POCKET (3/4" BSP MALE THREAD)
8	1	TOP COVER with LIFTING LUGS (x2)
7	1	OIL FILLING PIPE WITH FLANGED COVER
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 RMU - 11kV, 200A, GCB, 630A BUS [Schneider RN2c-T1/21] x PROTECTION, (FACING-'E' BS:2526)

- ESSENTIAL LABELS**
- ITEM 10: TAP CHANGER WARNING LABEL (OFF-CIRCUIT TAP CHANGER, DO NOT OPERATE)
  - ITEM 6: C.O.L. 15°C - 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	REV BY	REV BY	DESCRIPTION
01	ASHWINI	H. MALEPATI	M. GREEN	MINOR CHANGES IN DIMENSIONS FROM: 2111398
00	ASHWINI	H. MALEPATI	H. MALEPATI	ORIGINAL DESCRIPTION

REVISION DESCRIPTION	REV	PROJECT
RE-DRAWN IN INVENTOR	02	

DATE	PROJECT	CUSTOMER	S.O. NUMBER	P.O. NUMBER	W.O. NUMBER
08-NOV-2016					
10-MAR-2017					
10-MAR-2017					

DRAWING TITLE
GENERAL ARRANGEMENT DRAWING FOR 1000kVA WILSON e1 ECOTRANS 11000/415V, 50Hz, Dyn11, ONAN/KNAN AL WOUND DISTRIBUTION TRANSFORMER LV CABINET & RN2c

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DRAWN BY: S. MALLETT DATE: 24/08/2016 DRG NO: WPS-1000-AL-A004