



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



TRANSFORMER WEIGHT & VOLUME		
CORE AND WINDING	kg	2360
TANK AND FITTING	kg	1130
COOLING LIQUID VOLUME	L	995
COOLING LIQUID WEIGHT	kg	810
TOTAL TX WEIGHT	kg	4300
ADDITIONS TO THE TRANSFORMER WEIGHT		
LV CABINET WEIGHT	kg	

1600kVA 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	84A	2226A
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.	
5.5%	1200W	14000W	60°C	65°C	

ITEM	QTY	DESCRIPTION
15	4	DETACHABLE RADIATORS with AIR-RELEASE & DRAIN PLUG (520W x 1200C x 75 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 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.

IF IN DOUBT - ASK. REMOVE ALL SHARP EDGES. DO NOT SCALE. DRAWING NOT TO SCALE

LAST DEFINITION	REV	REV BY	REV DATE	DESCRIPTION
01	ASHWINI	H. MALEPATI	H. MALEPATI	RATING PLATE & HORIZONTAL STIFFENERS POSN MODIFIED. FROM: 2134902
00	ASHWINI	H. MALEPATI	M. GREEN	ORIGINAL DESCRIPTION

REVISION DESCRIPTION	REV	PROJECT
RE-DRAWN IN INVENTOR	02	

REV	DATE	PROJECT
02	08-NOV-2016	
	10-MAR-2017	
	10-MAR-2017	

CUSTOMER	P.O. NUMBER	W.O. NUMBER

DRAWING TITLE
GENERAL ARRANGEMENT DRAWING FOR
1600kVA WILSON e1 ECOTRANS
11000/415V, 50Hz, Dyn11, ONAN/KNAN
AL WOUND DISTRIBUTION TRANSFORMER
LV CABINET

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DRAWN BY: S. MALLETT DATE: 24/08/2016 DRG NO: **WPS-1600-AL-A003**