



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

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	H. MALEPATI	RATING PLATE & HORIZONTAL STIFFENERS POSN MODIFIED. FROM: 2134902
00	ASHWINI	H. MALEPATI	M. GREEN	ORIGINAL DESCRIPTION
	REV BY	VERIFIED	APPROVED	

REVISION DESCRIPTION	REV	PROJECT
RE-DRAWN IN INVENTOR	02	
REV. BY: S. MALLETT	DATE: 08-NOV-2016	
VERIFIED: F. MEHMOOD	10-MAR-2017	
APPROVED: J. DUCE	10-MAR-2017	

CUSTOMER	S.O. NUMBER	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 & SN6 / CN2

DRAWN BY:	DATE:	DRG NO:
S. MALLETT	24/08/2016	WPS-1600-AL-A005



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		
SN6 / CN2 WEIGHT	kg	250
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	

- 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.

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 SWITCH/BREAKER, 630A/200A, [Schneider : SN6/CN2] (FACING-'E' BS:2526)

ESSENTIAL LABELS

- ITEM 10: TAP CHANGER WARNING LABEL (OFF-CIRCUIT TAP CHANGER, DO NOT OPERATE THIS)
- ITEM 6: COLD COOLANT LEVEL (-C.O.L. 15°C) LEVEL
- ITEM 2: LV WARNING LABEL
- ITEM 1: HV WARNING LABEL

[1761 O/ALL SEE GENERAL NOTE 6]

[2424 O/ALL SEE GENERAL NOTE 6]

[1780 O/ALL]