



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		
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	

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 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 (OFF-CIRCUIT TAP CHANGER, NO OPEN CIRCUIT)
- ITEM 6: COLD COOLANT LEVEL (-C.O.L. 15°C)
- 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

REV	BY	VERIFIED	APPROVED	DESCRIPTION
01	ASHWINI	H. MALEPATI	M. GREEN	MINOR CHANGES IN DIMENSIONS FROM: 2111398
00	ASHWINI	H. MALEPATI	H. MALEPATI	ORIGINAL
REV	BY	VERIFIED	APPROVED	DESCRIPTION

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

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

DRAWING TITLE

GENERAL ARRANGEMENT DRAWING FOR 1000kVA 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-1000-AL-A003