



TRANSFORMER WEIGHT & VOLUME		
CORE AND WINDING	kg	3000
TANK AND FITTING	kg	1120
COOLING LIQUID VOLUME	L	1390
COOLING LIQUID WEIGHT	kg	1135
TOTAL TX WEIGHT	kg	5255
ADDITIONS TO THE TRANSFORMER WEIGHT		
LV CABINET WEIGHT	Kg	----

1250kVA 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	65.6A	1739A	
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.		
5.0%	500W	8250W	60°C	65°C		

ITEM	QTY	DESCRIPTION
15	2	DETACHABLE RADIATORS with AIR-RELEASE & DRAIN PLUG (520W x 1100C x 45 x 40P)
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	1	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 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 OFF-CIRCUIT TAP CHANGER TAP CHANGER WARNING LABEL

ITEM 6 C.O.L. 15°C 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

REV	REV BY	VERIFIED	APPROVED	DESCRIPTION

REVISION DESCRIPTION	REV	PROJECT
ORIGINAL	00	

REV. BY:	DATE:	CUSTOMER:
M.WRIGHT	10-OCT-2019	

P.O. NUMBER	W.O. NUMBER	DRAWING TITLE
		GENERAL ARRANGEMENT DRAWING FOR 1250kVA WILSON e3 ECOTRANS ULTRA LOW LOSS 11000/415V, 50Hz, Dyn11, ONAN/KNAN AL WOUND DISTRIBUTION TRANSFORMER LV CABINET

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DRAWN BY: M.WRIGHT DATE: 09/10/2019 DRG NO: WPS-E3-1250-AL-A003