

OIL FILLING POINT
C/W FLANGED COVER

PRISMATIC OIL
LEVEL GAUGE

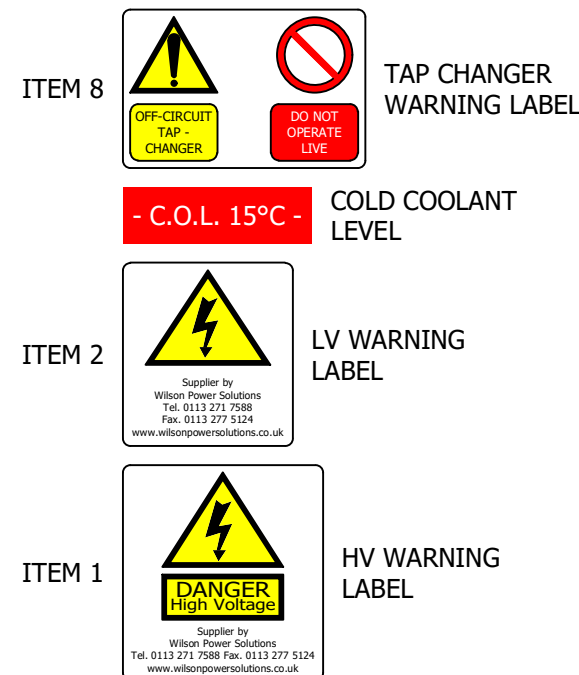
VIEW ON HV SIDE
PHASE ROTATION
1U 1V 1W

VIEW ON TAP SWITCH END

VIEW ON LV SIDE
PHASE ROTATION
2W 2V 2U 2N

PLAN VIEW

ESSENTIAL LABELS



TRANSFORMER WEIGHT & VOLUME		
CORE AND WINDING	kg	5400
TANK AND FITTING	kg	1665
COOLING LIQUID VOLUME	L	2380
COOLING LIQUID WEIGHT	kg	1935
TOTAL TX WEIGHT	kg	9000
ADDITIONS TO THE TRANSFORMER WEIGHT		
HV UNIT	Kg	385
LV UNIT	kg	-

2500kVA		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	131.22A	3478.01A
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.
6.0%	1000W	15000W	60°C	65°C	
GENERAL NOTES					
1	ALL DIMENSIONS ARE IN 'mm'.				
2	ALL DIMENSIONS/WEIGHTS ARE SUBJECT TO ± 10% TOLERANCE.				
3	ELECTRONIC SCALE - 1:1 (ONLY WRITTEN DIMENSIONS TO BE FOLLOWED).				
4	TOLERANCE ON IMPEDANCE PER IEC:60076.				
5	PAINT SHADE.: 632 As PER BS:381C (SEMI GLOSS) TO ISO12944 - MIN C4H SPEC.				
6	O/ALL DIMS ARE SUBJECT EQUIPMENT DOOR OPENING DISTANCES.				
7	EXTENDED ELBOWS FITTED TO HV SIDE.				
8					
9					

VIEW OF LV SIDE - CABLE CLEAT STUDS
CABLES MUST BE SUPPORTED IN ACCORDANCE WITH -
CURRENT IET Wiring Regulations BS7671 & IEC 61914

4x M12 x 30 @ 140mm PITCH ~430mm FROM THE GROUND

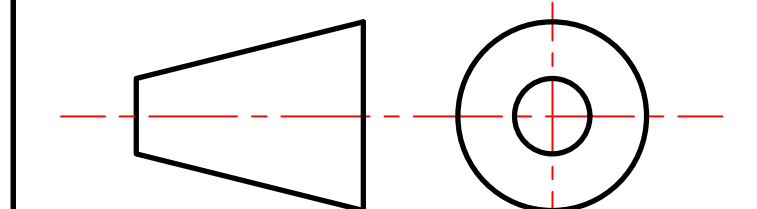
ITEM	QTY	DESCRIPTION
19	1	AIR RELEASE PLUG
18	1	FILTER VALVE (25NB) with MALE PLUG
17	1	SHUT OFF VALVE FOR CONSERVATOR
16	1	BUCHHOLZ RELAY EE2 (WITH ALARM & TRIP CONTACT)
15	1	WTI CT BUSHING TERMINALS ENCLOSED IN BOX
14	1	DETACHABLE OIL CONSERVATOR W/ PRISMATIC OIL LEVEL GAUGE, OIL FILLING POINT W/ FLANGED COVER & 2 LIFTING LUGS
13	4	DETACHABLE RADIATORS with AIR-RELEASE & DRAIN PLUG (520W x 1200C x 5S x 40P)
12	1	DRAIN VALVE (25NB) with MALE PLUG
11	4	JACKING PADS
10	1	OFF-CIRCUIT TAP SWITCH (6-Position & Padlockable)
9	4	TRANSFORMER LIFTING LUGS
8	1	RATING & DIAGRAM PLATE (5S)
7	2	THERMOMETER POCKET (3/4" BSP MALE THREAD)
6	1	TOP COVER with LIFTING LUGS (x2)
5	1	SILICA GEL BREATHER TYPE R1
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, ACB, (FACING-'F', BS:2562), PART N° TBC
1	1	HV RMU - 11kV, 200A, GCB, 630A BUS (Schneider RN2d-Tx/21) x PROTECTION, (FACING-'E' BS:2562)
ITEM	QTY	DESCRIPTION
PARTS LIST		

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



BASED ON:

REVISION HISTORY			
REV	REV BY	VERIFIED	APPROVED

REVISION DESCRIPTION		REV	PROJECT
ORIGINAL		00	CUSTOMER
		DATE	S.O. NUMBER
		31-JUL-2025	P.O. NUMBER
			W.O. NUMBER
REV. BY:	M. BELLO		
VERIFIED:			
APPROVED:			

DRAWING TITLE

GENERAL ARRANGEMENT DRAWING FOR
2500kVA WILSON e4 AMORPHOUS ULTIMATE LOW LOSS
11000/415V, 50Hz, Dyn11, ONAN
AL WOUND DISTRIBUTION TRANSFORMER
RN2d RMU & LV CABINET

DRAWN BY:

M. BELLO

DATE:

31/07/2025

DRAWING NO.:

WPS-E4-2500-AL-GA-A003

SHEET 1 OF 1

WPD002 REV 0 25-NOV-14