



| TRANSFORMER WEIGHT & VOLUME         |    |      |
|-------------------------------------|----|------|
| CORE AND WINDING                    | kg | 4040 |
| TANK AND FITTING                    | kg | 1900 |
| COOLING LIQUID VOLUME               | L  | 1790 |
| COOLING LIQUID WEIGHT               | kg | 1460 |
| TOTAL TX WEIGHT                     | kg | 7400 |
| ADDITIONS TO THE TRANSFORMER WEIGHT |    |      |
| HV UNIT                             | Kg | 280  |
| LV CABINET                          | kg | ---- |

| 3000kVA ELECTRICAL RATINGS          |                                             |                                                   |                               |                                  |         |
|-------------------------------------|---------------------------------------------|---------------------------------------------------|-------------------------------|----------------------------------|---------|
| No Load Voltage Ratio at Normal Tap | HV Tappings                                 | Vector Group                                      | Frequency                     | Full-Load Current at Normal Tap  |         |
| 11000 / 433V                        | +5.0 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 |                                  |         |
| 6.0%                                | 1886W                                       | 21961W                                            | 60°C                          | in Oil by Therm. in Wdg. by Res. |         |
|                                     |                                             |                                                   | 65°C                          |                                  |         |

| ITEM | QTY | DESCRIPTION                                                                       |
|------|-----|-----------------------------------------------------------------------------------|
| 21   | 2   | DETACHABLE RADIATORS with AIR-RELEASE & DRAIN PLUG (520W x 1200C x 14S x 40P)     |
| 20   | 2   | DETACHABLE RADIATORS with AIR-RELEASE & DRAIN PLUG (520W x 1200C x 10S x 40P)     |
| 19   | 1   | DETACHABLE CONSERVATOR                                                            |
| 18   | 1   | PROVISION FOR PRESSURE RELIEF DEVICE                                              |
| 17   | 1   | OIL FILLING VALVE WITH ONE SIDE FLANGED & PLUG                                    |
| 16   | 1   | WTI CT BUSHING TERMINALS ENCLOSED IN BOX                                          |
| 15   | 1   | BUCHHOLZ RELAY EE2 (WITH ALARM & TRIP CONTACT)                                    |
| 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   | VOLTAGE CHANGE OVER SWITCH                                                        |
| 9    | 2   | THERMOMETER POCKET (3/4" BSP MALE THREAD)                                         |
| 8    | 1   | SHUT OFF VALVE FOR CONSERVATOR                                                    |
| 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 SWITCH/BREAKER, 630A/200A, [Schneider : SN6/CN2] (FACING-'E' BS:2526)          |

**ESSENTIAL LABELS**

ITEM 10 TAP CHANGER WARNING LABEL

ITEM 6 COLD COOLANT LEVEL

ITEM 2 LV WARNING LABEL

ITEM 1 HV WARNING LABEL

**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  | CUSTOMER    |
|                      |     | S.O. NUMBER |
|                      |     | P.O. NUMBER |
|                      |     | W.O. NUMBER |

| DRAWING TITLE                                                                                                                                          |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| GENERAL ARRANGEMENT DRAWING FOR 3000kVA WILSON T2 ECOTRANS 11000/433V, 50Hz, Dyn11, ONAN/KNAN AL WOUND DISTRIBUTION TRANSFORMER LV CABINET & SN6 / CN2 |  |

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DRAWN BY: M. STOTSJUK DATE: 22/08/2021 DRG NO: **WPS-T2-3000-AL-A005**