



| TRANSFORMER WEIGHT & VOLUME | | |
|-------------------------------------|----|------|
| CORE AND WINDING | kg | 2670 |
| TANK AND FITTING | kg | 1100 |
| COOLING LIQUID VOLUME | L | 1070 |
| COOLING LIQUID WEIGHT | kg | 870 |
| TOTAL TX WEIGHT | kg | 4640 |
| ADDITIONS TO THE TRANSFORMER WEIGHT | | |
| HV UNIT | Kg | 280 |
| LV CABINET | 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 / 433V | +5.0 to -5.0% in 2.5% INCREMENTS | Dyn11 | 50Hz | 83.978A | 2133.396A |
| 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% | 1080W | 12000W | 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.

ESSENTIAL LABELS

- ITEM 10: OFF-CIRCUIT TAP CHANGER WARNING LABEL
- ITEM 6: - C.O.L. 15°C - COLD COOLANT LEVEL
- ITEM 2: LV WARNING LABEL
- ITEM 1: HV WARNING LABEL

| ITEM | QTY | DESCRIPTION |
|------|-----|---|
| 15 | 4 | DETACHABLE RADIATORS with AIR-RELEASE & DRAIN PLUG (520W x 1200C x 55 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 (5-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 HAULLAGE 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) |

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 1600kVA WILSON T2 ECOTRANS 11000/433V, 50Hz, Dyn11, ONAN/KNAN AL WOUND DISTRIBUTION TRANSFORMER LV CABINET & SN6/CN2 | |

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