

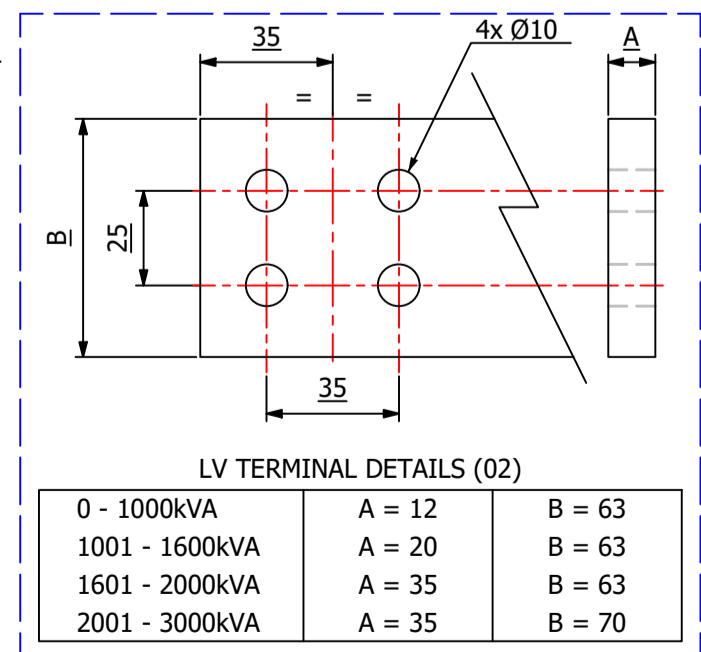
| TRANSFORMER WEIGHT & VOLUME         |    |      |
|-------------------------------------|----|------|
| CORE AND WINDING                    | kg | 1700 |
| TANK AND FITTING                    | kg | 760  |
| COOLING LIQUID VOLUME               | L  | 1000 |
| COOLING LIQUID WEIGHT               | kg | 815  |
| TOTAL TX WEIGHT                     | kg | 3275 |
| ADDITIONS TO THE TRANSFORMER WEIGHT |    |      |
| SN6 / CN2 WEIGHT                    | Kg | 250  |

| 500kVA 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                          | 26.2A                           | 695.6A          |
| 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. |
| 4.75%                               | 270W  | 3330W   | 60°C                          | 65°C                            |                 |

| ITEM | QTY | DESCRIPTION  |
|------|-----|--|
| 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 CABLE BOX - 1.1kV, 4-POLE, AIR INSULATION, (FACING-'F', BS:2562) SUITABLE FOR 1 x 1c CABLES PER PHASE & N - MAX. 630mm.sq |
| 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 - C.O.L. 15°C
- 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 |

| DATE        | P.O. NUMBER | W.O. NUMBER |
|-------------|-------------|-------------|
| 10-OCT-2019 |             |             |

| DRAWING TITLE   |  |
|---|--|
| GENERAL ARRANGEMENT DRAWING FOR 500kVA WILSON e3 ECOTRANS ULTRA LOW LOSS 11000/415V, 50Hz, Dyn11, ONAN/KNAN AL WOUND DISTRIBUTION TRANSFORMER SN6 / CN2 |  |

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DRAWN BY: M.WRIGHT DATE: 15/10/2019 DRG NO: WPS-E3-500-AL-A002