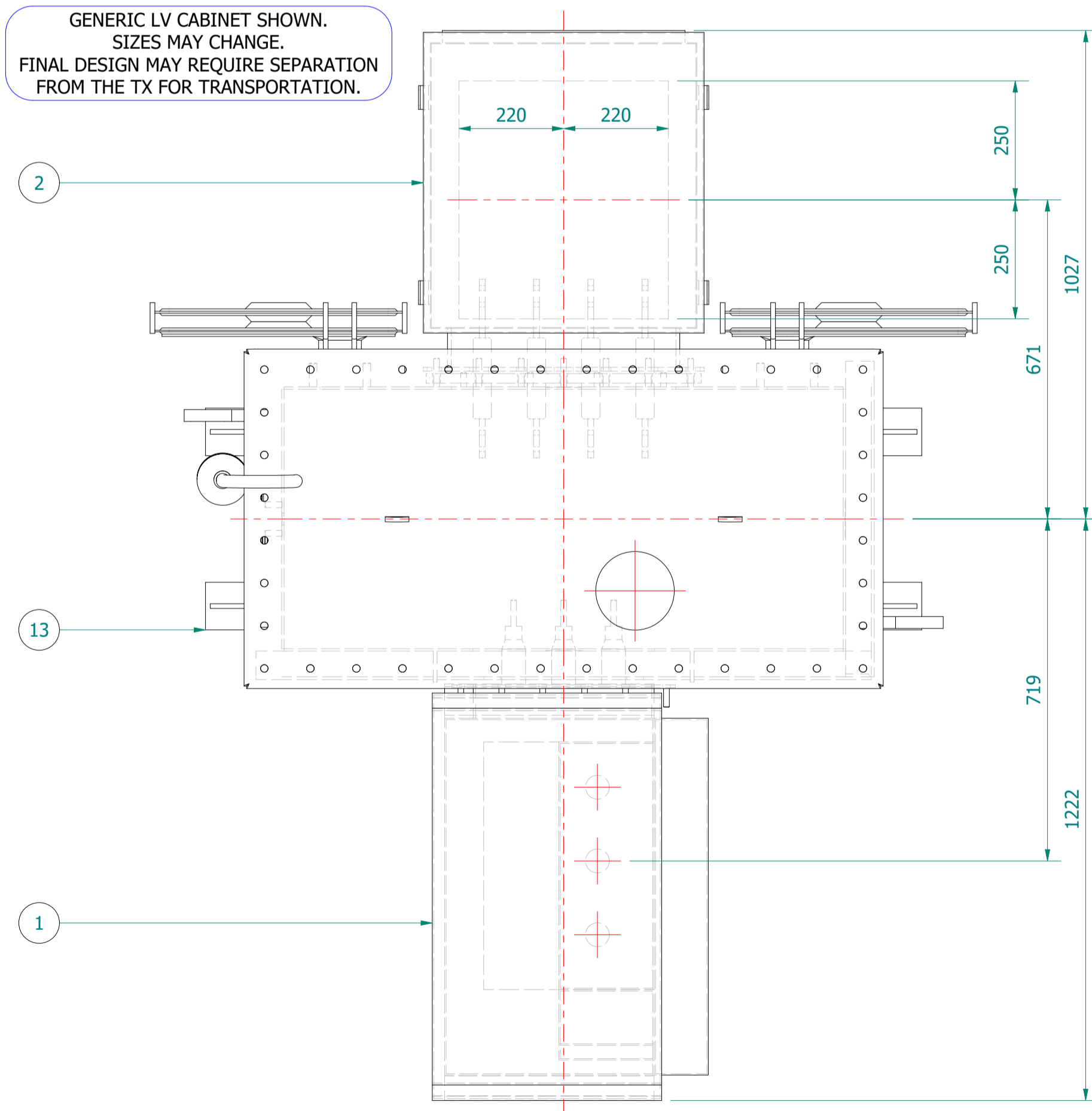


PLAN VIEW



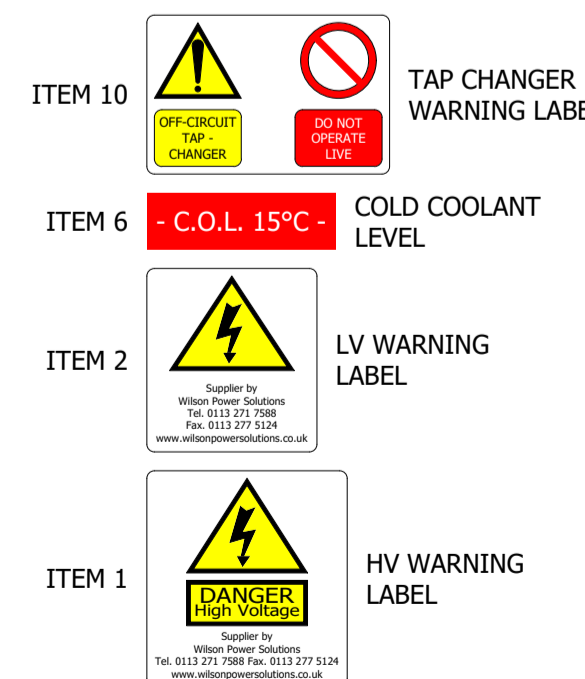
| TRANSFORMER WEIGHT & VOLUME         |    |      |
|-------------------------------------|----|------|
| CORE AND WINDING                    | kg | 1285 |
| TANK AND FITTING                    | kg | 690  |
| COOLING LIQUID VOLUME               | L  | 645  |
| COOLING LIQUID WEIGHT               | kg | 525  |
| TOTAL TX WEIGHT                     | kg | 2500 |
| ADDITIONS TO THE TRANSFORMER WEIGHT |    |      |
| HV UNIT                             | Kg | 280  |
| LV CABINET                          | kg | ---- |

| 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 / 433V                        | +5.0 to -5.0% in 2.5% INCREMENTS            | Dyn11   | 50Hz                          | 26.243A                         | 666.686A |
| 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%                               | 459W  | 3900W   | 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 C4 SPEC. |
| 6             | O/ALL DIM IS SUBJECT TO EQUIPMENT DOOR OPENING DISTANCES.                |
| 7             |  |
| 8             |  |
| 9             |  |

| ITEM | QTY | DESCRIPTION   |
|------|-----|---|
| 15   | 2   | DETACHABLE RADIATORS with AIR-RELEASE & DRAIN PLUG (520W x 1200C x 25 x 40P)      |
| 14   | 1   | DRAIN VALVE (25NB) with MALE PLUG   |
| 13   | 4   | JACKING PADS  |
| 12   | 1   | RATING & DIAGRAM PLATE BRACKET  |
| 11   | 2   | 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 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



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 500KVA WILSON T2 ECOTRANS 11000/433V, 50Hz, Dyn11, ONAN/KNAN AL WOUND DISTRIBUTION TRANSFORMER LV CABINET & SN6/CN2 |

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 web: www.wilsonpowersolutions.co.uk email: info@wilsonpowersolutions.co.uk

DRAWN BY: M. STOTSJUK DATE: 06/04/2021 DRG NO: **WPS-T2-500-AL-005**