

单相变压器

Single Phase Transformer



介绍 General >>

单相变压器可以单独用于提供单相负载，也可以作为三相负载单元中的一个。该设备可以直接安装在木杆或混凝土杆上，也可以簇集安装在杆上以供三相使用。变压器被设计用于住宅架空配电负载，它们还适用于轻商业负载，工业照明和多样化的电力应用。

The Single phase distribution transformer may be used alone for the supply of a single phase load or as one of three units in a bank for the supply of a three phase load. The unit may be direct-mounted to a wooden or concrete pole, or cluster mounted on a pole for three phase use. The transformers are designed for servicing residential overhead distribution loads. They are also suitable for light commercial loads, industrial lighting and diversified power applications.

传统型 Conventional Type >>

变压器为圆筒形密封结构。每一个都固定有接地装置，挂钩，符合ANSI标准的支撑吊耳，盖子上有一个或两个高压套管，低压套管在油箱壁上，螺栓以及连接端子。断开电源后，应根据操作手册调节分接开关。

The transformer is cylinder sealing structure. Each one is fixed with grounding devices, hooks, supporting lugs which conforms to ANSI standard, and one or two high voltage bushing on the cover, low voltage bushing on the wall of the tank and eyebolt, connecting terminals. The tap changer should be adjusted basing on the instruction after the power off.

CSP类型 CSP Type >>

CSP类型变压器，可以保护自身免受雷电，短路的，以及在配电线路上免受自身故障引起的断电影响。除了某些相似之处，例如圆筒，吊钩，吊耳，接地装置，铭牌，铁芯和常规类型的绕组。CSP变压器还具有以下特征和设备：变压器盖子上有一个或两个高压套管以及熔丝。在侧壁上安装一个或两个避雷器，避雷器的顶端靠近高压套管，并通过铜带连接到套管。油箱内部绕组上方有一个辅助断路器开关，操作手柄，过载重置装置和信号灯。从油箱侧壁上引出低压套管，接地装置固定在位置X2。单个套管的一端通过高压套管引出，另一端接地。产品均按照IEC60076，ANSI / IEEE57.12.20，CSA C2.1-06，CSA C2.2-06等标准生产。

This type of transformers are CSP type, which can protect itself from thunder and lightning, short circuit and protect the transiting and distribution line from current failure because of self-malfunction. Except from some similarities such as cylinder tank, hooks, lifting lugs, grounding devices, nameplates, core and winding with the conventional type. This type of transformers have characteristics and devices as follows: One or two high voltage bushings are on the cover with fuse. One or two arresters are installed on the wall of the tank, whose top end is near to the high voltage bushing, and connected to the bushing by a copper strip. One secondary breaker switch is above the winding inside the tank, and here are operating handle, overload reset and signal light. Low voltage bushing is educed from the wall of the tank, grounding device is fixed to position X2. One end of the single bushing leads out through the high voltage bushing, the other end is ground connection. All units are built in accordance with IEC60076, ANSI/IEEE57.12.20, CSA C2.1-06, CSA C2.2-06 and etc.

单相柱上配电变压器技术参数

Technical Data for Single-Phase Pole Mounted Distribution Transformer

| 额定容量 (KVA) Rated Power | 高压 (V) High Voltage | 低压 (V) Low Voltage | 损耗(W) Loss | | 尺寸(mm) Dimension | | | 重量(KG) Weight | |
|---------------------------------|------------------------------|----------------------------------|-------------------------|-------------------------|---------------------|--------|--------|------------------|--------------------|
| | | | 空载损耗(W) No-load Loss | 有载损耗(W) On-load Loss | 宽 W | 深 D | 高 H | 油重 Oil Weight | 总重 Total Weight |
| 5 | 34500/ 19920 | 120-240 240-480 347 600 | 19 | 75 | 465 | 485 | 855 | 15 | 92 |
| 10 | | | 36 | 120 | 500 | 525 | 885 | 22 | 150 |
| 15 | 13800/ 7957 | | 50 | 195 | 520 | 565 | 905 | 30 | 210 |
| 25 | 13200/ 7620 | | 80 | 290 | 560 | 590 | 935 | 45 | 258 |
| 37.5 | 12470/ 7200 | | 105 | 360 | 610 | 625 | 935 | 50 | 340 |
| 50 | or others | | 135 | 500 | 635 | 675 | 1035 | 62 | 395 |
| 75 | | | 190 | 650 | 745 | 840 | 1035 | 88 | 480 |
| 100 | | | 210 | 850 | 770 | 965 | 1135 | 94 | 530 |
| 167 | | | 350 | 1410 | 795 | 890 | 1335 | 138 | 680 |

注：以上数据仅以我司标准设计为准，特殊要求可定制。

Note: The above data is only subject to our standard design, special requirement can be customized.