

【用途】 Application

该产品适用于石油化工、电力、机械、冶金、轻纺、农网城网、地产建设、民航、港口等行业和企业的电力系统配电之中。

This product is applicable to the distribution of electric power system of industries and enterprises such as petroleum chemical industry, electric power, machinery, metallurgy, textile, urban and rural electric network, real estate construction, civil aviation, port and so on.

【产品规格参数表】

S11-M·RL-30~2500/10立体卷铁芯油浸式变压器（优质片）型号规格表

S11-MRL-30 ~ 2500/10 Cubic Core Oil-immersed Distribution Transformer Specification(High quality)

| 额定容量 Model | (kVA) | 50 | 80 | 100 | 125 | 160 | 200 | 250 | 315 | 400 | 500 | 630 | 800 | 1000 | 1250 | 1600 | | | | | |
|-------------------------------------|-------------|-----------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|--|----|--|--|--|
| 电压组合 Voltage combination (KV) | 高压 HV | 6 | | | | 6.3 | | | | 10 | | | | 10.5 | | | | 11 | | | |
| | 低压 LV | 0.4 | | | | | | | | | | | | | | | | | | | |
| 联结组别 Connection Symbol | | ±5 ±2×2.5 | | | | | | | | | | | | | | | | | | | |
| 空载损耗 No-Load Loss | W | 130 | 180 | 200 | 240 | 280 | 340 | 400 | 480 | 570 | 680 | 810 | 980 | 1150 | 1360 | 1640 | | | | | |
| 负载损耗 Load Loss | W | 910 | 1310 | 1580 | 1890 | 2310 | 2730 | 3200 | 3830 | 4520 | 5410 | 6200 | 7500 | 10300 | 12000 | 14500 | | | | | |
| | | 870 | 1250 | 1500 | 1800 | 2200 | 2600 | 3050 | 3650 | 4300 | 5150 | 6200 | 7500 | 10300 | 12000 | 14500 | | | | | |
| 空载电流 No-Load Current | % | 0.3 | 0.24 | 0.23 | 0.22 | 0.21 | 0.2 | 0.19 | 0.18 | 0.18 | 0.18 | 0.17 | 0.17 | 0.16 | 0.15 | 0.14 | | | | | |
| 短路阻抗 Short-Circuit Impedance | % | 4 4.5 | | | | | | | | | | | | | | | | | | | |
| 器身重 Body Weight | kg | 268 | 367 | 386 | 407 | 480 | 515 | 554 | 680 | 864 | 990 | 1205 | 1454 | 1587 | 1852 | 2203 | | | | | |
| 油重 Oil Weight | kg | 139 | 180 | 180 | 186 | 195 | 210 | 226 | 270 | 315 | 342 | 490 | 515 | 560 | 680 | 859 | | | | | |
| 总重 Total Weight | kg | 504 | 671 | 695 | 723 | 815 | 875 | 942 | 1145 | 1462 | 1675 | 2130 | 2356 | 2743 | 3215 | 3889 | | | | | |
| 外形尺寸 Boundary Dimension (mm) | 长 Length | 1061 | 1125 | 1136 | 1133 | 1144 | 1203 | 1174 | 1283 | 1316 | 1349 | 1444 | 1455 | 1663 | 1716 | 1745 | | | | | |
| | 宽 Width | 919 | 975 | 993 | 981 | 991 | 1052 | 1016 | 1111 | 1345 | 1354 | 1471 | 1508 | 1697 | 1725 | 1730 | | | | | |
| | 高 Height | 1003 | 1052 | 1092 | 1113 | 1132 | 1162 | 1182 | 1224 | 1283 | 1327 | 1377 | 1425 | 1497 | 1557 | 1749 | | | | | |
| 安装尺寸 Mounting Dimension | E1 | 300 | | | 400 | | | | | | 550 | | | | 660 | | | | | | |
| | E2 | 660 | | | | | | 820 | | | | 1070 | | | | | | | | | |
| 结构简图 Structure Diagram | | | | | | | | | | | | | | | | | | | | | |

注：对于额定容量为500kVA及以下的变压器，表中斜线上方的负载损耗值适用于Dyn11联结组，斜线下方的负载损耗值适用于Yyn0联结组。
 Note: As to the Transformers that rated capacity lower than 500KVA, load loss value above bend line in the form conforms to Dyn11 binding group, and load loss value below bend line conforms to Yyn0 binding group. Above size is only for reference, and actual outline & installation dimensions can refer to the newest design drawing provided by our company.

注：以上尺寸仅供参考，实际外形及安装尺寸请参照我公司最新图纸。
 Note: The size above is just for reference, and the real size and dimension is according to our latest drawing

SC(B)13-RL立体卷铁芯树脂绝缘干式变压器
 SC(B)13-RL Three-dimensional volume core resin insulation dry-type transformer



SC(B)13-RL立体卷铁芯树脂绝缘干式变压器

SC(B)13-RL Three-dimensional volume core resin insulation dry-type transformer

【概述】 Overview

立体卷铁芯绝缘干式变压器是立体卷铁芯与树脂绝缘干式变压器的完美结合。除节能环保，低噪音低损耗的优点外，还具有电气性能好、局部放电值低、耐雷电冲击能力强、抗短路能力强、机械强度高的特点。

Three-dimensional volume core resin insulation dry-type transformer is a perfect combination of three dimensional volume core and resin insulation dry-type transformer. Apart from advantages of energy-saving, friendly environmental, low noise and low loss, it also has features of good electrical properties, low partial discharge value, strong resisting lightning shock capability, strong anti-short circuit ability and high mechanical intensity.

【优势】 Advantage

@ 电气性能好，局部放电值低

该产品采用高等级绝缘材料和薄绝缘的浇注结构，能够有效地抑制局部放电现象的产生。

@ Good electrical properties and low partial discharge value

This product adopts high insulation materials and thin insulation casting structure, which can effectively inhibit the partial discharge phenomenon.

@ 耐雷电冲击能力强

低压使用箔式绕组，间层电压低、电容大，具备很强的抗雷电冲击能力。

@ Strong resisting lightning shock ability

Low stress adopts foil winding, which has low voltage, large capacitance, and very strong resisting lightning shock ability.

@ 机械强度高，抗短路能力强

由于树脂的材料特性及整体浇注这一特点，经加热固化成型后具有优良的力学性能，所以机械强度高，经短路实验证明，其因短路发生损坏的情况极少。

@ High Mechanical Strength, Strong Anti-short Circuit Ability

Due to the characteristics of material properties of the resin and the overall casting, it would remain excellent mechanical properties through heat and curing. Therefore, it has high mechanical intensity. The short circuit experiments prove that it rarely damaged from short circuit.

@ 抗震降噪，耐火防潮

该变压器结构能有效地抑制噪音的振荡，使其保持在理想状态。同时由于整个线圈都被环氧树脂的固体绝缘层所封装，因此潮气难以入侵，达到防潮耐火的的效果。

@ Seismic Noise, Refractory Moisture-proof

The transformer structure can effectively restrain the noise of oscillation, and keep it in the ideal state. At the same time, the whole coil being sealed by solid insulation coating of the epoxy resin, it is difficult for the moisture to invade, which achieves the effect of moisture-proof and refractory.

【特点】 Feature

电压等级：10/0.4kV；容量：30~2500kVA；

Voltage class: 10/0.4kV; Capacity: 30~2500kVA

【用途】 Application

该产品适用于各种污秽潮湿的环境内及防火要求高，负荷较大的地区。

This product is applicable to any foul and wet environment and areas which bear high fire-protection requirements and relatively heavy load.

【产品规格参数表】

SC(B)13-RL-30~2500/10 立体卷铁芯树脂绝缘干式变压器参数表
SC13-RL-100~2500/10 Cast Resin Epoxy Filled Dry Type Distribution Transformer Specification(High quality)

| 容量 Model | (kVA) | 100 | 125 | 160 | 200 | 250 | 315 | 400 | 500 | 630 | 630 | 800 | 1000 | 1250 | 1600 | 2000 | 2500 | |
|-------------------------------|--------------------------|-------|------|------|------|------|--------|------|------|------|------|------|------|------|-------|-------|-------|--|
| 电压组合 Voltage combination (KV) | 高压 HV | 6 | | | 6.3 | | | 10 | | | 10.5 | | | 11 | | | | |
| | 低压 LV | 0.4 | | | | | | | | | | | | | | | | |
| | 高压分接范围 Tapping range (%) | ±5 | | | | | ±2×2.5 | | | | | | | | | | | |
| 联结组别 Connection Symbol | | Dyn11 | | | | | | | | | | Yyn0 | | | | | | |
| 短路阻抗 Short Circuit Impedance | % | 4 | | | | | | | | | | 6 | | | | | | |
| 空载损耗 No-Load Loss | W | 320 | 375 | 430 | 495 | 575 | 705 | 785 | 930 | 1070 | 1040 | 1215 | 1415 | 1670 | 1960 | 2440 | 2880 | |
| 负载损耗 Load Loss | W | 1570 | 1850 | 2130 | 2530 | 2760 | 3470 | 3990 | 4880 | 5880 | 5960 | 6960 | 8130 | 9690 | 11730 | 14450 | 17170 | |
| 空载电流 No-Load Current | % | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.1 | 0.1 | 0.1 | |
| 外形尺寸 Boundary Dimension (mm) | L | 755 | 770 | 790 | 830 | 885 | 970 | 1030 | 1040 | 1305 | 1305 | 1350 | 1380 | 1415 | 1635 | 1651 | 1731 | |
| | B | 650 | 670 | 1305 | 1310 | 1337 | 1319 | 1463 | 1488 | 1504 | 1504 | 1584 | 1647 | 1747 | 1910 | 2049 | 2061 | |
| | H | 1170 | 1190 | 1210 | 1240 | 1275 | 1254 | 1340 | 1375 | 1420 | 1420 | 1483 | 1526 | 1630 | 1760 | 1900 | 2015 | |
| 安装尺寸 Mounting Dimension (mm) | A | 300 | 300 | 300 | 300 | 400 | 400 | 400 | 400 | 400 | 400 | 450 | 500 | 500 | 550 | 550 | 550 | |
| | C | 820 | 820 | 820 | 820 | 820 | 820 | 820 | 820 | 820 | 820 | 1070 | 1070 | 1070 | 1070 | 1070 | 1070 | |
| | D | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | |
| 结构简图 Structure Diagram | | | | | | | | | | | | | | | | | | |

以上尺寸仅供参考，实际外形及安装尺寸请参照我公司图纸。

The size above is just for reference, and the real size and dimension is according to our drawing.