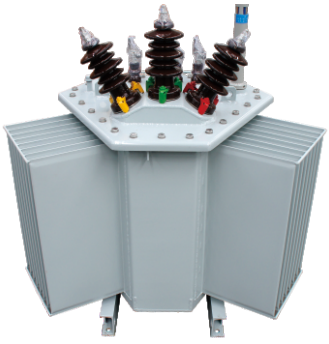

S13-M · RL D THREE-DIMENSIONAL COILIRON CORE DISTRIBUTION TRANSFORMER

Product overview

S13 type three-phase coil iron core distribution transformer capacity range 30-2500KVA. The iron core is a three-phase three-column coil structure with internal and external frame. High degree of mechanization, lamination coefficient is large. The high and low pressure coils are wound continuously on the core column, the concentricity is good, and the coils are tight. The main technical and economic indicators have reached the international advanced level of the same kind of products.

The S13 series coil core distribution transformer has low loss, and the load loss is the same as the new S11 stack core distribution transformer. Same as GB/T6415-2008

1, its no-load loss has been reduced by an average of 20%. The main material consumption is less and the weight is light. The no-load current is small, and the magnetic flux is completely along the lattice arrangement direction of the cold-rolled silicon steel sheet. Low noise, compared with JB/T10088-2004 standard value, about 3-5dB lower. Strong short-circuit resistance and high reliability. The clamp mainly plays the role of tightening the winding, and the iron yoke insulation and trapezoidal pad are integrated into one, so that the body is under uniform pressure.

Iron core: 30Q120 cold rolled silicon steel sheet. The inner and outer frame of the three-phase column is coil structure, and the core column is a multi-level stepped cylindrical cross-section. The core is annealed by true air after winding. Pull screw body of upper and lower clamp. The iron core surface is coated with epoxy resin, guaranteed

The iron core is not deformed or rusted.

Winding and body: low voltage winding for 1-6 wires and wound four layers (or double) cylinder type, using paper covered flat copper wire. The high voltage winding is multi-layer cylinder type, the impact distribution is good, and the high strength acetal enamelled round copper wire is used. The coil is wound directly on a rotating die consisting of a gear plate and a soft paper tube which is stuck on the iron core post. The yoke insulation and trapezoidal pad are integrated into one, so that the body is evenly compressed. A new type of hanging plate positioning structure, longitudinal and transverse positioning, to ensure that the body is stable and not displaced.

Oil tank: mainly corrugated oil tank. It can also be designed as a rectangular chip radiator tank.

Model meaning

S 13 - M · RL - □ / □

- Voltage rating (KV)
- Rated capacity (KVA)
- Solid coil iron core
- Sealed
- Performance level code
- Three phase immersed distribution transformer

S13-M ·RL D THREE-DIMENSIONAL COIL IRON CORE DISTRIBUTION TRANSFORMER

The main technical parameters

S13 new energy-saving three-dimensional coil core oil immersed transformer technical parameters

Capacity (KVA)	Voltage combination				No-load loss (W)	Load Loss (W)	No-load Current (%)	Short circuit Impedance (%)	Weight (kg)			Gauge A x B (mm)	Overall dimensions (mm) LxW x H
	High voltage (kv)	high voltage tap Range	Low voltage (kv)	Connection group label					Active part weight	Insulation oil weight	All up weight		
30	11; 10.5; 10; 6.6; 6.3; 6;	±2 ×2.5%; or ±5%;	0.4	Dyn11; Yzn11; Yyn0;	80	630/600	0.30	4.0	178	113	377	380×550	1028×682×1199
50					100	910/870	0.24		236	111	435	380×550	1025×683×1224
80					130	1310/1250	0.22		313	146	553	380×550	1096×722×1314
100					150	1580/1500	0.21		356	148	607	380×550	1096×722×1334
160					200	2310/2200	0.19		484	185	797	400×660	1080×935×1441
200					240	2730/2600	0.18		556	228	937	400×660	1109×960×1444
250					290	3200/3050	0.17		655	263	1091	400×660	1196×1036×1457
315					340	3830/3650	0.16		769	274	1269	550×820	1276×1105×1467
400					410	4520/4300	0.16		896	323	1437	550×820	1306×1131×1542
500					480	5140/5100	0.16		1044	433	1872	550×820	1483×1284×1592
630					570	6200	0.15	4.5	1352	414	2085	550×820	1395×1210×1649
800					700	7500	0.15		1613	496	2481	550×820	1526×1321×1711
1000					830	10300	0.14		1703	656	3000	550×1070	1717×1487×1726
1250					970	12000	0.13		2065	702	3449	550×1070	1711×1482×1829
1600					1170	14500	0.12		2592	1045	4450	550×1070	1880×1628×1938