

S11-MR S9-MR SERIES WOUND CORE TYPE HERMETICALLY-SEALED OIL-IMMERSED TRANSFORMERS

S11-MR S9-MR 系列 卷铁芯全密封油浸式变压器

卷铁芯全密封油浸式配电变压器其铁芯材料采用高导磁取向冷轧硅钢片，卷绕成封闭框形结构经退火处理，铁芯填充系数大。磁路中没有气隙。高低压线圈在铁芯柱上连续绕制，同心度好，绕组紧实。具有损耗低、噪音低等优点，是同类产品中的新一代高技术、高性能、节能环保产品。广泛应用于供电系统。

The wound core is made of cold rolled high carbon silicon steel sheet. It is wound into a closed frame-shaped structure by annealing treatment, Wound core is with high filling factor. There is no air gap in the magnetic circuit. Both HV and LV windings are continuously wound on the core limb with good concentricity and performance of tightness. With characteristics of low loss and low noise, it is the new generation of high-tech, high-performance, and energy-saving products, widely used in power supply and distribution system.



主要功能与特点: Main functions and characters

- 铁芯卷绕成形，无需切割，无气隙，填充系数大；
- 铁芯经退火处理；
- 铁芯无缝隙，大大减少了磁阻，空载电流降低60-80%；
- 连续卷绕充分利用了硅钢片的取向性，空载降低20-30%；
- 铁芯经退火后，其磁导性能可恢复到机加工前的原有水平；
- 卷铁芯自身是一个无缝隙的整体，且结构紧密，噪音下降10dB以上。
- The wound core shapes by winding with no cutting and no air gaps.
- The core has annealing treatment.
- Seamless iron cores greatly reduce the magnetic orientation. Its no-load current decreases by 60-80%, compared to common type transformers.
- Continuous winding takes advantage of silicon steel orientation, making no-load loss reduced by 20-30%.
- After annealing, their magnetic properties can be restored to the original level.
- Wound core itself is a seamless integral part with compact structure. Noise can be reduced by more than 10dB.

S9-MR系列三相双绕组无励磁调压配电变压器

S9-MR Series Three-phase Double-winding Distribution Transformers with Off-circuit Tap Changer

额定容量 Rated capacity (kVA)	电压组合 Voltage ratio (kV)		联结组 Connection Symbol	损耗(W) Loss		空载电流 No-load current (%)	短路阻抗 Impedance (%)	重量(kg) Weight		外型尺寸(mm) Outline Dimension			轨距 Gauge mm
	高压 HV	低压 LV		空载 No-load loss	负载 Full-load loss			油重 Oil weight	总重 Total weight	长 L	宽 W	高 H	
30	6 6.3 10 10.5 11 ±5或 ±2 ×2.5%	0.4	Yyn0 Dyn11	130	630/600	0.6	4	70	20	270	400	880	400×400
50				170	910/870	0.6		75	360	810	470	910	400×400
63				200	1090/1040	0.57		90	400	820	480	930	400×400
80				250	1310/1250	0.54		100	470	840	690	960	400×400
100				290	1580/1500	0.48		105	530	900	700	970	400×400
125				340	1890/1800	0.45		110	600	930	680	1020	550×550
160				400	2310/2200	0.42		120	720	980	730	1060	550×550
200				480	2730/2600	0.39		180	930	1000	750	1110	550×550
250				560	3200/3050	0.36	195	1020	1060	760	1190	550×550	
315				670	3830/3650	0.33	210	1150	1130	780	1200	550×550	
400				800	4520/4300	0.30	215	1380	1170	780	1250	660×660	
500				960	5410/5150	0.30	250	1570	1220	800	1300	660×660	
630				1200	6200	0.27	290	1800	1270	820	1360	660×660	
800				1400	7500	0.27	340	2100	1320	840	1450	820×820	
1000				1700	10300	0.27	400	2350	1350	850	1500	820×820	
1250				1950	12000	0.27	530	3150	1400	870	1700	820×820	
1600	2400	14500	0.27	610	3600	1450	900	1750	820×820				

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	高压 HV	低压 LV		空载 No-load loss	负载 Full-load loss			油重 Oil weight	总重 Total weight	长 L	宽 W	高 H	
30	6 6.3 10 10.5 11 ±5或 ±2 ×2.5%	0.4	Yyn0 Dyn11	100	630/600	0.6	4	80	335	825	420	900	400×400
50				130	910/870	0.6		85	380	825	485	930	400×400
63				150	1090/1040	0.57		100	420	840	500	950	400×400
80				180	1310/1250	0.54		110	490	865	710	980	400×400
100				200	1580/1500	0.48		115	550	920	720	1005	400×400
125				240	1890/1800	0.45		125	630	950	695	1050	550×550
160				280	2310/2200	0.42		145	750	1000	750	1085	550×550
200				340	2730/2600	0.39		205	970	1030	770	1140	550×550
250				400	3200/3050	0.36	220	1070	1085	780	1215	550×550	
315				480	3830/3650	0.33	235	1200	1150	800	1225	550×550	
400				570	4520/4300	0.30	240	1430	1200	810	1300	660×660	
500				680	5410/5150	0.30	275	1620	1250	830	1350	660×660	
630				810	6200	0.27	320	1860	1300	850	1400	660×660	
800				980	7500	0.27	370	2200	1350	870	1500	820×820	
1000				1150	10300	0.27	450	2500	1400	900	1560	820×820	
1250				1360	12000	0.27	580	3300	1455	920	1750	820×820	
1600	1640	14500	0.27	670	3800	1500	950	1820	820×820				

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: For transformers with the capacity of 500kVA and below, values of load loss above the slash of the table apply to Dyn11 connection, and values of load loss below the slash apply to Yyn0 connection.