

SFZ□ (35,110kV)

系列油浸式变压器

Series Oil immersed transformer

吾心求索·通享未来

得益于多年的电气产品研发和制造经验，索通电气为您提供结合了先进技术和卓越工程设计的高压开关设备；系列产品符合智能化、安全性和可靠性要求最严苛的标准。该系列能为公共配电、工业和楼宇领域提供极具成本效益的解决方案，提高竞争力。



SFZ9系列35KV级



SFZ9系列110KV级



节能型
Energy Saving



智能化
Intellectualization



易维护
Easy Maintenance



安全性
Safety

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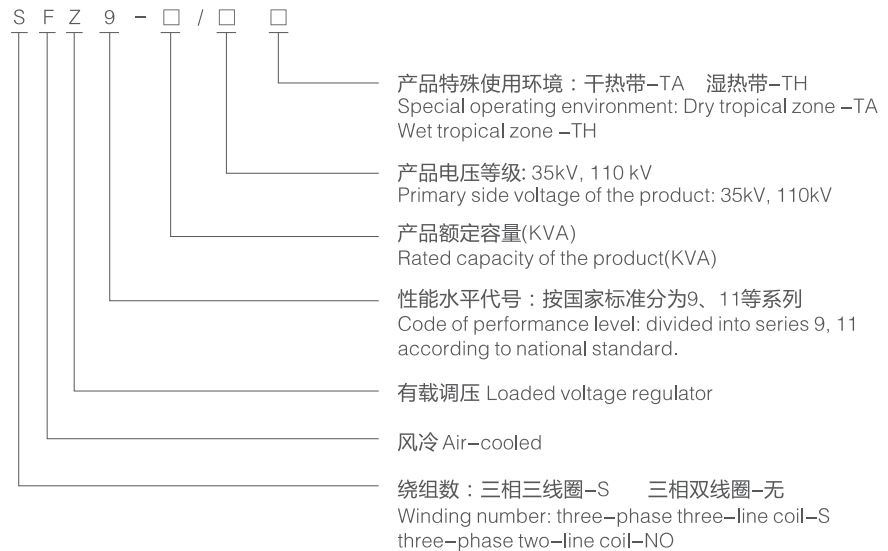
Series Oil immersed transformer



产品概述 General

- 本产品适用于三相50Hz,110kV级的输变电系统。是各变电所,发电厂的主要设备。
- 本公司产品的铁心采用优质硅钢片,多级阶梯叠积而成。具有低损耗、低噪音、抗短路能力强等特点。已广泛应用于各变电所、发电厂,受到用户一致好评。
- This product is applicable for transmission & transformation system of 50Hz and 110kV,as the main unit in the transformer substation, power plant, etc..
- The core of this product adopts first-rank copper-silicon sheet, stacked by multi steps. With notable features like low consumption, low noise, protection against short circuit, this product has been widely used in transformer substation, power plant, etc, enjoying high comments from customers.

型号及含义 Model and meaning



结构特征 Structural Features

- 铁心结构独特,采用D型铁心轭,45°斜接缝。
- 铁心与油箱全方位定位,可保证运输中抗冲击。
- 绕组设计合理,线圈采用内外撑条结构。各线圈之间,线圈与铁心之间采用高强度硬纸筒,增强了线圈抗短路冲击能力。
- 钟罩式平顶油箱,箱壁采用折弯瓦楞结构,增强了油箱的机械强度,外形美观大方。
- Original structure of iron core, with D-shaped iron core yoke and 45° miter set
- Full-location for both iron core and oil tank, can guarantee the impact prevention in carrying.
- Reasonable design of winding: The coil is designed into the inner and outer stay structure.
- High-strength card boards are used among coils and between coil and iron core, which can improve the coil ability to resist the short circuit.
- The wall of bell type flat oil tank is designed into the folded and corrugated structure, which enhances the mechanical strength of oil tank and brings nice and graceful appearance.

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遵循标准 Complied standards

- GB1094.1-1996
- GB1094.2-1996
- GB1094.3-2005
- GB1094.5-2003
- GB/T6451-1999
- GB311.1-1997
- IEC60076-1
- IEC60076-2
- IEC60076-3
- IEC60076-10
- IEC60296

使用环境 Service Environment

- 环境温度：上限+40℃，下限-15℃(特殊工艺下，可达-45℃)；
- 海拔高度不超过2500m(特殊工艺下，可达4000m)；
- 安装环境：安装地点倾斜度<3°,无明显污秽和腐蚀、可燃性气体。
- 注：超出上述正常使用条件时，用户可与制造厂协商确定。
- Ambient air temperature:
Maximum air temperature: +40℃,
Minimum air temperature: -15℃ (Under a special process, up to -45 °C);
- Altitude: ≤ 2500m(Under a special process, up to 4000m);
- Installation environment inclination of installation place<3° , no obvious dirt and corrosive or flammable gas.
- Notes: If the operating conditions exceed the normal conditions, please contact our technical department.

6300-63000/110系列三相双绕组有载调压变压器 6300-63000/110 series three phase duplex winding regulating transformer with load

额定容量 (kVA) Rated capacity	电压组合 Valltage		联接组 标号 Conn- ection	9型损耗kW Type 9 loss		10型损耗kW Type 10 loss		11型损耗kW Type 11 loss		空载电流 (%) No-Load current	短路阻抗 (%) Impedance voltage	重量Weight(T)			外型尺寸(mm) Outline Dimension			轧距 (mm) Guage
	高压KV H.V	低压KV L.V		空载 No- load loss	负载 Load loss	空载 No- load loss	负载 Load loss	空载 No- load loss	负载 Load loss			油重 oil weight	运输重 Untanking weight	总重 overall weight	长 L	宽 B	高 H	
6300	110 121 ±8× 1.25% 11	6.3 6.6 10.5 11	Ynd11	10	37	9.3	34.9	8.2	34.9	0.98	10.5	4.7	18	21.5	4300	3300	4650	1475
8000				12	45	11.1	42.5	9.8	42.5	0.98		5	20	24.3	4400	3400	4850	1475
10000				14	53	13.4	51.2	11.8	51.2	0.91		5.5	22	27	4500	3500	5000	1475
12500				16.5	63	15.5	59.5	13.7	59.5	0.91		6	24.5	30.5	4600	3550	5100	2040
16000				20	77	18.7	73.1	16.5	73.1	0.84		6.5	27	33	4700	3600	5150	2040
20000				24	93	22.1	88.4	19.5	88.4	0.84		7.3	29.5	36.5	4800	3650	5200	2040
25000				28.4	110	25.8	105	22.7	105	0.77		8	32	40	4900	3750	5250	2040
31500				33.5	133	31.1	126	27.4	126	0.77		8.62	35	43.5	4950	3850	5320	2040
40000				40	156	37.3	148	32.9	148	0.7		10	43	56	5100	3900	5380	2040
50000				47.5	194	44.1	184	38.9	184	0.7		11.5	47.5	61	5200	3950	5430	2040
63000				56.5	234	52.5	221	46.4	221	0.63		13	52.5	67	5350	4000	5500	2040

6300-63000/110系列三相三绕组有载调压变压器 6300-63000/110 series three phase duplex winding regulating transformer with load

额定容量 (kVA) Rated capacity	电压组合 Voltage			联接组 标号 Conn- ection	9型损耗kW Type 9 loss		10型损耗kW Type 10 loss		11型损耗kW Type 11 loss		空载 电流 (%) No- Load current	短路 阻抗 (%) Impe- dance voltage	重量Weight(T)			外型尺寸(mm) Outline Dimension			轨距 (mm) Guage	
	高压 KV H.V	中压 KV M.V	低压 KV L.V		空载 No- load loss	负载 Load loss	空载 No- load loss	负载 Load loss	空载 No- load loss	负载 Load loss			油重 oil weight	运输重 Untanking weight	总重 overall weight	长 L	宽 B	高 H		
6300	110	35	6.3	YNyn	od11	12	47.5	11	45.1	9.8	45.1	1.19	高-中: 10.5 高-低: 17~18 中低: 6.5	5	19	23.5	4500	3400	4750	1475
8000						14.4	56.5	13.3	53.6	11.8	53.6	1.19		5.5	21	26	4600	3500	4900	1475
10000						17	66.5	15.7	62.9	13.9	62.9	1.12		6.1	23.3	28.7	4700	3550	5050	1475
12500						20	78	18.1	74	16	74	1.12		6.9	26	31.8	4800	3600	5150	2040
16000						24	95	22.4	91	19.7	91	1.05		7.6	28.7	35.2	4900	3650	5200	2040
20000						28.5	112	26.4	106	23.3	106	1.05		8.5	31.7	38.7	5000	3700	5250	2040
25000						33.5	133	31.2	126	27.5	126	0.98		9.5	35	42	5100	3800	5300	2040
31500						40	157	37.1	147	32.8	149	0.98		10.5	38.6	47	5150	3900	5370	2040
40000						48	189	44.4	179	39.3	179	0.91		12	45	58	5200	3950	5450	2040
50000						57	225	52.6	213	46.5	213	0.91		13.5	50	63	5300	4000	5520	2040
63000						67.5	270	62.5	255	55.2	255	0.84		15	54	69	5450	4100	5650	2040

6300-63000/110系列三相三绕组无励磁调压变压器 6300-63000/110 series three phase non-magnetizing transformer

额定容量 (kVA) Rated capacity	电压组合 Voltage			联接组 标号 Conn- ection	9型损耗kW Type 9 loss		10型损耗kW Type 10 loss		11型损耗kW Type 11 loss		空载 电流 (%) No- Load current	短路 阻抗 (%) Impe- dance voltage	重量Weight(T)			外型尺寸(mm) Outline Dimension			轨距 (mm) Guage	
	高压 KV H.V	中压 KV M.V	低压 KV L.V		空载 No- load loss	负载 Load loss	空载 No- load loss	负载 Load loss	空载 No- load loss	负载 Load loss			油重 oil weight	运输重 Untanking weight	总重 overall weight	长 L	宽 B	高 H		
6300	110	35	6.3	YNyn	od11	11.2	47.5	10.2	45.1	9	45.1	1	升压用 高-中: 17~18 高-低 10.5 中-低: 6.5 降压用 高-中: 10.5 高-低: 17~18 中-低: 6.5	4.9	17	21	4250	3200	4530	1475
8000						13.2	56.5	12.3	53.6	10.8	53.6	0.95		5.4	18.7	23.1	4350	3300	4600	1475
10000						15.5	66.5	14.5	62.9	12.8	62.9	0.9		5.9	20.6	25.4	4450	3400	4700	1475
12500						18.4	78	17	74	15	74	0.85		6.52	22.7	28	4550	3450	4780	2040
16000						22.4	95	20.5	91	18.1	91	0.8		7.2	25	30.75	4650	3500	4870	2040
20000						26.4	112	24.2	106	21.4	106	0.75		8	27.5	33.9	4750	3550	4950	2040
25000						30.5	133	28.5	126	25.3	126	0.7		8.7	30.3	37.3	4850	3600	5020	2040
31500						36.5	157	34	149	30	149	0.65		9.58	33.35	41	4920	3650	5100	2040
40000						43.5	189	40.6	179	35.9	179	0.55		11.5	41.5	54	5000	3700	5200	2040
50000						52	225	48	213	42.4	213	0.5		12.65	46	59.5	5150	3750	5300	2040
63000						61.5	270	57	255	50.2	255	0.5		14	51	65.4	5280	3800	5470	2040