

## Production introduction

The product conforms to the technical parameters and requirements of China National Standard GB1094 and GB/T6451, and a series of significant innovation is applied in aspects of material, design and structure. It has the features of high efficiency and low loss. It can save a lot of operation cost, and the social benefits are very significant. In conclusion, it is a nationally promoted new product and it is deeply favored by customers.

Installation type: indoor/outdoor type

Altitude:  $\leq 1000\text{m}$

Installation site: in places without corrosive gases and obvious dusts.

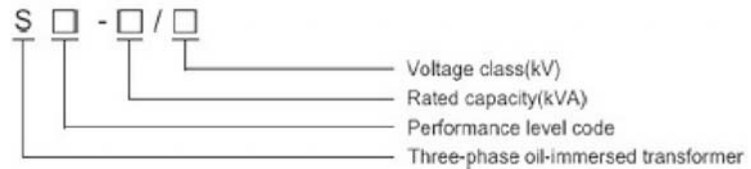
## Applicable standards

GB1094.1-2-1996 Power Transformer

GB1094.3-5-2003 Power Transformer

GB/T6451-1999 Technical parameters and requirements for three-phase oil-immersed power transformer

## Model designation



## Performance characteristics

1. The features of this product are high efficiency and low loss. It can save a lot of operation cost, and the social benefits are very significant.

2. The iron cores are made of the imported high-conduction magnetism, cold-roll, and grain-oriented silicon-steel sheets. The iron cores and windings adopt the vacuum drying and vacuum oil-filling processes, which make the internal moisture down to the very low level.

3. The conservator is hermetically sealed, which makes the internal running oil to insulate with oxygen and moisture efficiently.

4. The above features guarantee the transformer does not need to replace the oil during the normal operation, greatly decrease the maintenance cost, and prolong the service life.

## Notes for placing orders

Transformer type: rated capacity kVA

Number of phases: three-phase single-phase

High voltage: KV/Low voltage: KV

Frequency: 50HZ 60HZ

Tapping range:  $\pm 4 \times 2.5\%$   $\pm 3 \times 2.5\%$  other

Connection group: Yyn0 Dyn11 other

Impedance voltage: normal other

## Main technical parameters of SZ9-M-400~20000/10 series of transformers

Rated capacity(KVA)	Voltage combination(KV)			Connecting group	No-load lossess(W)	Load-loss(W) (75°C)	Short circuit impedance(%)	No-load current(%)	Weight(kg)			Overall dimension(mm) Length×width×height	Gauge(mm)
	High voltage(KV)	Tapping(%)	Low voltage(KV)						Body	Oil	Gross weight		
400	6 6.3 10	$\pm 4 \times 2.5$	0.4	Yyn0 or Dyn11	815	4360	4.0	1.0	925	320	1610	1810×930×1250	660×660
500					970	5180		1.0	1150	400	1980	1890×1010×1350	660×660
630					1260	6380	4.5	0.9	1360	460	2320	1980×1040×1400	820×820
800					1500	7800		0.8	1560	520	2670	2030×1100×1425	820×820
1000					1740	10720		0.7	1730	620	3000	2100×1160×1500	820×820
1250					2120	12750		0.6	2020	715	3520	2180×1180×1600	820×820
1600					2700	15200	5.5	0.6	2445	890	4345	2280×1260×1720	1070×1070
2000					2790	19170		0.6	2780	1050	5010	2360×1350×1800	1070×1070

Note:

1. Please contact us for the performance parameters, outline dimensions and other important data for 35kv transformers with bigger capacity.

2. For 8000kva and above, we can also supply transformers with air cooling device according to customer's requirements (SFZ9).

3. The weight and dimensions in table above are only for reference.

## Main technical parameters of SZ9-M-2000~20000/35 series of transformers

Rated capacity(KVA)	Voltage combination(KV)			Connecting groupid	No-load lossess(W)	Load-loss(W) (75°C)	Short circuit impedance(%)	No-load current(%)	Weight(kg)			Overall dimension(mm) Length×width×height	Gauge(mm)
	High voltage(KV)	Tapping(%)	Low voltage(KV)						Body	Oil	Gross weight		
2000	35 38.5	±3×2.5	6.3 6.6 10.5	Yd11	2850	20000	6.5	1.00	2780	1650	6140	2750×1410×2800	1070×1070
2500					3300	21700		1.00	3300	1800	7080	2800×1430×2850	1070×1070
3150					4000	26000	7.0	0.90	3700	1910	7300	2690×2020×2940	1070×1070
4000					4900	30500		0.90	4350	2170	8550	3180×2380×3100	1070×1070
5000					5800	35000		0.85	5200	2450	9950	3250×2500×3150	1070×1070
6300					7000	38500		0.85	6500	2740	11800	3370×2600×3290	1070×1070
8000				YNd11	9900	42700	7.5	0.75	7770	3320	14500	3420×2740×3350	1475×1360
10000					11700	50500		0.75	9100	3850	16810	3350×2830×3400	1475×1360
12500					13770	59800	8.0	0.70	10630	4640	19800	3680×2950×3500	1475×1475
16000					16570	72000		0.70	13300	5360	23300	3800×3080×600	1475×1475
20000					19580	85000		0.80	17450	7100	30800	4000×3250×3800	1475×1475

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- 2.For 8000ka and above,we can also supply transformers with air cooling device according to customer's requirements(SFZ9).
- 3.The weight and dimensions in table above are only for reference.