

Oil-Immersed Power Transformer

This oil-immersed power transformer is designed for efficient voltage transformation in transmission and distribution networks. It features cooling fins for effective heat dissipation, ensuring reliable operation under heavy loads.



Overview

S11-M Series Oil-Immersed Transformer

The S11-M series is a high-efficiency, sealed oil-immersed power transformer designed for reliable performance in transmission and distribution networks. This environment-friendly unit features a fully sealed structure with vacuum oil filling, ensuring high insulation stability and maintenance-free operation. Its compact design utilizes corrugated oil tank walls for effective heat radiation, eliminating the need for an external oil storage box and saving valuable installation space.

Key Features

Performance Benefits

- Compact design with strong overload capacity
- Reduced no-load loss (approx. 30% lower than S9 series)
- Low noise operation and low temperature rise
- Maintenance-free, fully sealed structure
- Integrated oil level gauge for safety monitoring

Compliance Standards

GB1094.1-2013, GB1094.2-2013, GB/T6451-2008, GB1094.3-2003, GB1094.5-2008

Technical Specifications

Technical parameters

Model	Rated Capacity (kVA)	Rated Voltage			Connection	No-load loss		
		HV	Tapping range	LV		(W)	(VA)	(W)
S11-M(R)-30/10	30	10	±2.5%	0.4	Yd11 or Yyn0	100	630	2.1
S11-M(R)-50/10	50	10	±2.5%	0.4	Yd11 or Yyn0	150	910	2.0
S11-M(R)-80/10	80	10	±2.5%	0.4	Yd11 or Yyn0	180	1310	1.8
S11-M(R)-100/10	100	10	±2.5%	0.4	Yd11 or Yyn0	200	1560	1.6
S11-M(R)-125/10	125	10	±2.5%	0.4	Yd11 or Yyn0	220	1890	1.5
S11-M(R)-160/10	160	10	±2.5%	0.4	Yd11 or Yyn0	270	2310	1.4
S11-M(R)-200/10	200	10	±2.5%	0.4	Yd11 or Yyn0	330	2730	1.3
S11-M(R)-250/10	250	10	±2.5%	0.4	Yd11 or Yyn0	400	3200	1.2
S11-M(R)-315/10	315	10	±2.5%	0.4	Yd11 or Yyn0	480	3830	1.1
S11-M(R)-400/10	400	10	±2.5%	0.4	Yd11 or Yyn0	570	4620	1.0
S11-M(R)-500/10	500	10	±2.5%	0.4	Yd11 or Yyn0	680	5410	1.0
S11-M(R)-630/10	630	10	±2.5%	0.4	Yd11 or Yyn0	810	6200	0.9
S11-M(R)-800/10	800	10	±2.5%	0.4	Yd11 or Yyn0	980	7600	0.8
S11-M(R)-1000/10	1000	10	±2.5%	0.4	Yd11 or Yyn0	1150	10300	0.7
S11-M(R)-1250/10	1250	10	±2.5%	0.4	Yd11 or Yyn0	1380	12000	0.6
S11-M(R)-1600/10	1600	10	±2.5%	0.4	Yd11 or Yyn0	1640	14500	0.6
S11-M(R)-2000/10	2000	10	±2.5%	0.4	Yd11 or Yyn0	1950	17400	0.5
S11-M(R)-2500/10	2500	10	±2.5%	0.4	Yd11 or Yyn0	2300	20240	0.4

Note: All the dimension and weight is for reference only.

Detailed technical parameters and loss data for the S11-M(R) series.

Technical parameters

Model	Rated Capacity (MVA)	Rated Voltage			Connection	No-load loss		
		High voltage (kV)	Tapping range (kV)	Low voltage (kV)		(W)	(VA)	(W)
SZ11-2000/35	2000	35	±3+2.5% or ±4+2.5% or ±13+1.25%	6.3	Yd11	230	1924	1.00
SZ11-2500/35	2500	35	±3+2.5% or ±4+2.5% or ±13+1.25%	6.3	Yd11	272	2064	1.00
SZ11-3150/35	3150	35	±3+2.5% or ±4+2.5% or ±13+1.25%	6.3	Yd11	323	2471	0.90
SZ11-4000/35	4000	35	±3+2.5% or ±4+2.5% or ±13+1.25%	6.3	Yd11	387	2916	0.90
SZ11-5000/35	5000	35	±3+2.5% or ±4+2.5% or ±13+1.25%	6.3	Yd11	464	3420	0.85
SZ11-6300/35	6300	35	±3+2.5% or ±4+2.5% or ±13+1.25%	6.3	Yd11	563	3977	0.85
SZ11-8000/35	8000	35	±3+2.5% or ±4+2.5% or ±13+1.25%	6.3	Yd11	707	4651	0.75
SZ11-10000/35	10000	35	±3+2.5% or ±4+2.5% or ±13+1.25%	6.3	Yd11	928	4805	0.75
SZ11-12500/35	12500	35	±3+2.5% or ±4+2.5% or ±13+1.25%	6.3	Yd11	1094	5686	0.70
SZ11-16000/35	16000	35	±3+2.5% or ±4+2.5% or ±13+1.25%	6.3	Yd11	1317	7032	0.60
SZ11-20000/35	20000	35	±3+2.5% or ±4+2.5% or ±13+1.25%	6.3	Yd11	1557	8278	0.50

Note:
1. When the gauge is horizontal, it is only one value.
2. All the dimension and weight is for reference only.

Technical specifications for the SZ11 series, covering capacities from 2000 to 20000 kVA.

S11-M(R) Technical Parameters

Model	Capacity (kVA)	No-load Loss (W)	On-load Loss (W)
S11-M(R)-30/10	30	100	630
S11-M(R)-100/10	100	200	1580
S11-M(R)-250/10	250	400	3200
S11-M(R)-630/10	630	810	6200
S11-M(R)-1000/10	1000	1150	10300
S11-M(R)-2500/10	2500	2300	20240

Voltage Ratings

10 kV

High Voltage (HV)

0.4 kV

Low Voltage (LV)