DGG 登高

S9,10,11-M 10KV SERIES

SEAL OIL IMMERSED

DISTRIBUTION TRANSFORMER



DGG 登高

S9, 10, 11-M 10kV SERIES SEAL OIL IMMERSED DISTRIBUTION TRANSFORMER

PRODUCT OVERVIEW

S9-M, S10-M, S11-M, S11-MR type 10kV series full seal oil immersed distribution transformer type transformer is a type of high reliability transformer with more reasonable structure, better performance and lower cost.

TRANSFORMER STANDARDS

Its performance meets the standard of

GB1094.1-1996

GB1094.2-1996

GB1094.3-2003

GB1094.5-2008

GB/T 6451-2008

GB/T 7595-2008

GB/T 25289-2010

JB/T 3837-2010

TRANSFORMER SPECIAL SERVICE CONDITIONS

1. Altitude: above 1000m
2. Ambient temperature: -25℃ ~ +40℃

TRANSFORMER NORMAL SERVICE CONDITIONS

1. Altitude: not above 1000m
2. Ambient temperature: -25℃ ~ +40℃
3. Highest daily average air temperature: +30℃
4. Highest annual average air temperature: +20℃

PRODUCT FEATURES

1. Product has high efficiency, low loss, low noise characteristics
2. Internal heat, and short-circuit capability
3. Empty, load loss IS low
4. Reliable operation, long life, maintenance-free
5. Coils adopt high quality oxygen free copper system.
6. It has beautiful appearance and safe operation.

Widely used in urban and rural industrial and agricultural power grid transmission and distribution.

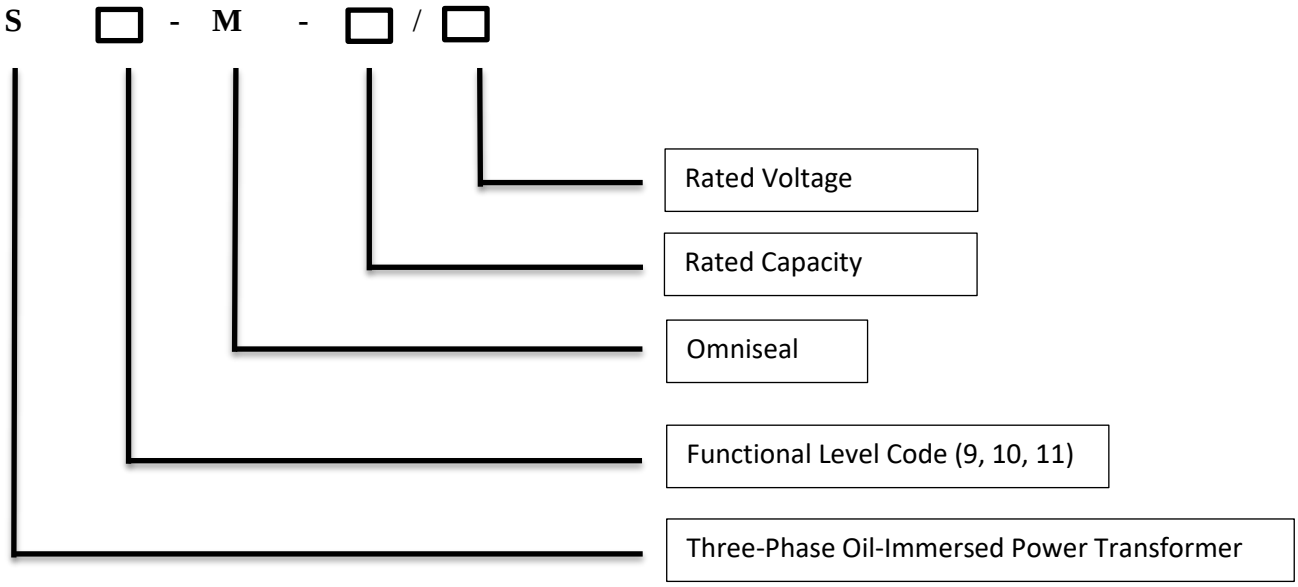
Its outstanding performance in reducing loss and saving materials fully conforms to China's energy conservation policy.

MAIN FUNCTIONS AND CHARACTERISTICS

The tank uses corrugated plate or expansion radiator tank, without oil storage cabinet to reduce the height of transformer; transformer oil does not have contact with air, prolongs oil aging, and further improves the service life of transformer.

S10-M is 20% lower than S9-M type no-load loss, S11-M is lower than S9-M no-load loss by 30%, reliability is high, performance level is advanced, and economic index is reasonable. Various forms of oil tanks, beautiful and generous

TRANSFORMER MODEL DESCRIPTION



DGG 登高

S9 - (10-2500) / 10 FULLY SEALED DISTRIBUTION TRANSFORMER

Rated Capacity (kVA)	Voltage Combination			Connection Symbol	Loss		No load Current	Short Circuit Impe - dance	Current		Track Gauge (mm)
	HV kV	Tap Range %	LV kV		No Load	Load			HV kV	LV (kV)	
10	6 6.3 10 10.5 11	±5% (±2 x 2.5%)	0.4	Yyn0 OR Dyn11	80	340	4.0	4	0.58	14.43	400 x 400
20					110	460	3.5		1.20	28.90	400 x 400
30					130	600/300	2.3		1.73	43.30	400 x 400
50					170	870/910	2.0		2.89	72.20	400 x 450
63					200	1040/1090	1.9		3.64	90.91	400 x 450
80					250	1250/1310	1.9		4.62	115.50	400 x 450
100					290	1500/1580	1.8		5.77	144.30	400 x 450
125					340	1800/1890	1.7		7.22	180.50	400 x 550
160					400	2200/2310	1.6		9.24	230.90	550 x 550
200					480	2600/2730	1.5		11.55	288.70	550 x 550
250					560	3050/3200	1.4	4.5	14.43	360.80	550 x 650
315					670	3650/3830	1.4		18.19	454.70	550 x 650
400					800	4300/4520	1.3		23.10	577.40	550 x 750
500					960	5150/5410	1.2		28.87	721.70	660 x 750
630					1200	6200	1.1		36.37	909.30	660 x 750
800					1400	7500	1.0		46.19	1154.70	660 x 850
1000					1700	10300	1.0		57.74	1443.40	820 x 850
1250					1950	12000	0.9		72.17	1804.20	820 x 850
1600					2400	14500	0.8		92.40	2309.40	820 x 900
2000					3000	17100	0.7		115.20	2886.80	820 x 900
2500					3300	23200	0.7		144.30	3608.40	820 x 950

S9 - (10-2500) / 10 TYPE WITH OIL CONSERVATION DISTRIBUTION TRANSFORMER

Rated Capacity (kVA)	Voltage Combination			Connection Symbol	Loss		No load Current	Short Circuit Impe - dance	Current		Track Gauge (mm)
	HV kV	Tap Range %	LV kV		No Load	Load			HV kV	LV (kV)	
10	11	±5% (±2 x 2.5%)	0.4	Yyn0 Or Dyn11	80	340	4.0	4	0.58	14.43	400 x 400
20					110	460	3.5		1.20	28.90	400 x 400
30					130	600/300	2.3		1.73	43.30	400 x 400
50					170	870/910	2.0		2.89	72.20	400 x 450
63					200	1040/1090	1.9		3.64	90.91	400 x 450
80					250	1250/1310	1.9		4.62	115.50	400 x 450
100					290	1500/1580	1.8		5.77	144.30	400 x 450
125					340	1800/1890	1.7		7.22	180.50	400 x 550
160					400	2200/2310	1.6		9.24	230.90	550 x 550
200					480	2600/2730	1.5		11.55	288.70	550 x 550
250					560	3050/3200	1.4	4.5	14.43	360.80	550 x 650
315					670	3650/3830	1.4		18.19	454.70	550 x 650
400					800	4300/4520	1.3		23.10	577.40	550 x 750
500					960	5150/5410	1.2		28.87	721.70	660 x 750
630					1200	6200	1.1		36.37	909.30	660 x 750
800					1400	7500	1.0		46.19	1154.70	660 x 850
1000					1700	10300	1.0		57.74	1443.40	820 x 850
1250					1950	12000	0.9		72.17	1804.20	820 x 850
1600					2400	14500	0.8		92.40	2309.40	820 x 900
2000					3000	17100	0.7		115.20	2886.80	820 x 900
2500					3300	23200	0.7		144.30	3608.40	820 x 950

DGG 登高

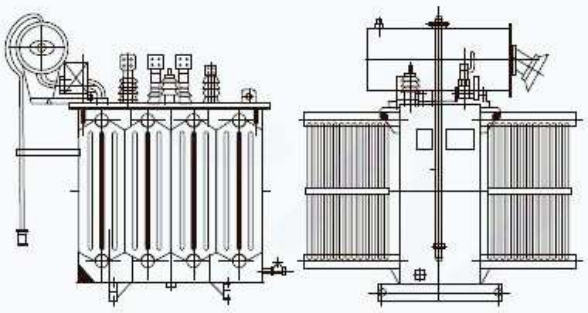
S9 - (10-2500) / 33 TYPE WITH OIL CONSERVATION POWER TRANSFORMER

Rated Capacity (kVA)	Voltage Combination			Connection Symbol	Loss		No load Current	Short Circuit Impe - dance	Current		Track Gauge (mm)
	HV kV	%	LV kV		No Load	Load			HV kV	LV (kV)	
50	11	±5% (±2x2.5%)	0.4	Yyn0	210	1210	4.0	4	0.58	14.43	550 x 600
80					270	1980	3.5		1.20	28.90	550 x 600
100					290	2020	2.3		1.73	43.30	550 x 600
160					360	2830	2.0		2.89	72.20	600 x 660
200					430	3330	1.9		3.64	90.91	600 x 660
250					510	3960	1.9		4.62	115.50	600 x 660
315					610	4770	1.8		5.77	144.30	660 x 700
400					730	5760	1.7		7.22	180.50	660 x 750
500					860	6930	1.6		9.24	230.90	660 x 750
630					1040	8280	1.5		11.55	288.70	660 x 800
800					1230	9900	1.4	4.5	14.43	360.80	820 x 850
1000					1700	12150	1.4		18.19	454.70	820 x 900
1250					1950	14670	1.3		23.10	577.40	820 x 900
1600					2120	15950	1.2		28.87	721.70	820 x 950
2000					3000	19350	1.1		36.37	909.30	820 x 900
2500					3300	23200	1.0		46.19	1154.70	820 x 1050

S11 - (10-2500) / 10 FULLY SEALED DISTRIBUTION TRANSFORMER

Rated Capacity (kVA)	Voltage Combination			Connection Symbol	Loss		No load Current	Short Circuit Impe - dance	Current		Track Gauge (mm)
	HV kV	%	LV kV		No Load	Load			HV kV	LV (kV)	
30	6 6.3 10 10.5 11	±5% (±2x2.5%)	0.4	Yyn0 Or Dyn11	100	600/300	2.3	4	1.73	43.30	400 x 400
50					130	870/910	2.0		2.89	72.20	400 x 400
63					150	1040/1090	1.9		3.64	90.91	400 x 450
80					180	1250/1310	1.9		4.62	115.50	400 x 450
100					200	1500/1580	1.8		5.77	144.30	400 x 450
125					240	1800/1890	1.7		7.22	180.50	400 x 450
160					280	2200/2310	1.6		9.24	230.90	550 x 550
200					330	2600/2730	1.5		11.55	288.70	550 x 550
250					400	3050/3200	1.4		14.43	360.80	550 x 650
315					480	3650/3830	1.4		18.19	454.70	550 x 650
400					570	4300/4520	1.3		23.10	577.40	660 x 750
500					680	5150/5410	1.2	4.5	28.87	721.70	660 x 750
630					810	6200	1.1		36.37	909.30	660 x 750
800					980	7500	1.0		46.19	1154.70	660 x 850
1000					1150	10300	1.0		57.74	1443.40	820 x 850
1250					1300	12000	0.9		72.17	1804.20	820 x 850
1600					1640	14500	0.8		92.40	2309.40	820 x 900
2000					2100	17100	0.7		115.50	2886.80	820 x 900
2500					2500	23200	0.7		144.30	3608.40	820 x 950

DGG 登高

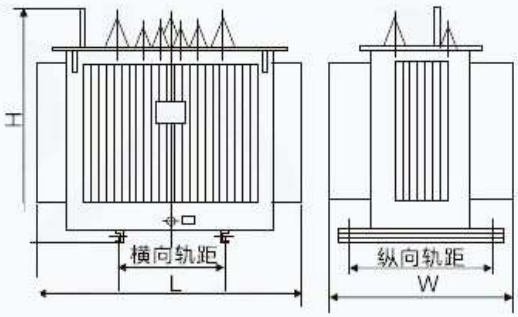


全密封(带胶囊)片式变压器

OMNISEAL(ENCAPSULANT)SHEETTYPETRANSFORMER

非全密封片式变压器

UN—OMNISEAL SHEET TYPE TRANSFORMER



全密封波纹式变压器

OMNISEAL CORRUGATED TYPE TRANSFORMER

S11, S (Z) 11 (630-6300) / 10 THREE-PHASE DUPLEX WINDING NON-EXCITED TAP-CHANGING POWER TRANSFORMER

Rated Capacity (kVA)	Voltage Combination			Connection Symbol	Loss		No load Current	Impe – dance Voltage	Weight			Track Gauge (mm)
	HV kV	%	LV kV		No Load	Load			Body	Oil	Total	
630	6 6.3 10 10.5 11	±5% ±2 x 2.5%	3 3.15 6.3	Yd11	0.84	6.93	1.1	5.5	1780	450	2710	750/660
800					1.02	8.46	1.0		2100	520	3310	850/660
1000					1.20	9.92	1.0		2580	600	3860	850/820
1250					1.42	11.80	0.9		2880	700	4370	850/820
1600					1.71	14.11	0.8		3400	780	4760	900/820
2000					2.04	16.93	0.8		3800	890	5570	900/820
2500					2.40	19.97	0.8		4350	960	6670	1070/1070
3150					2.84	23.09	0.7		4940	1180	8500	1070/1070
4000	10 10.5 11		3.15 6.3		3.48	27.36	0.7		5900	1580	9850	1070/1070
5000					4.16	31.38	0.7		6850	1760	11580	1070/1070
6300					4.96	35.06	0.6		7920	1910	13650	1070/1070

S11, S (Z) 11 (630-6300) / 10 THREE-PHASE DUPLEX WINDING NON-EXCITED TAP-CHANGING POWER TRANSFORMER

Rated Capacity (kVA)	Voltage Combination			Connection Symbol	Loss		No load Current	Impe – dance Voltage	Weight			Track Gauge (mm)
	HV kV	%	LV kV		No Load	Load			Body	Oil	Total	
200	6 6.3 10	±4 x 2.5%	0.4	Dyn11 Yyn0	0.39	2.91	1.5	5.5	980	260	1530	550 / 550
250					0.45	3.42	1.4		1070	310	1740	650 / 550
315					0.54	4.10	1.4		1320	350	1980	650 / 550
400					0.65	4.96	1.3		1580	430	2270	750 / 550
500					0.77	5.90	1.2		1750	450	2500	750 / 660
630					0.97	7.27	1.1		1900	530	2920	750 / 660
800					1.13	8.89	1.0		2350	600	3320	850 / 660
1000					1.38	10.43	1.0		2150	680	3710	850 / 820
1250					1.58	13.40	0.9		2480	770	4200	850 / 820
1600					1.94	14.79	0.8		3100	880	4850	900 / 820
2000					2.27	18.69	0.6		3980	1080	5880	900 / 820
2500					2.52	21.74	0.6		3950	1300	6370	1070 / 1070

DGG 登高

S11 (30 - 2500) / 20 THREE-PHASE DUPLEX WINDING NON-EXCITED TAP-CHANGING DISTRIBUTION TRANSFORMER

Rated Capacity (kVA)	Voltage Combination			Vector Group Symbol	Loss		No load Current	Track Gauge (mm)
	HV kV	%	LV kV		No Load	Load		
30	20	5%	0.4	Dyn11 Yzn11 Yyn0	0.10	0.69 / 0.66	2.1	5.5
50					0.13	1.01 / 0.96	2.0	
63					0.15	1.20 / 1.15	1.9	
80					0.18	1.44 / 1.37	1.8	
100					0.20	1.73 / 1.65	1.6	
125					0.24	2.08 / 1.98	1.5	
160					0.29	2.54 / 2.42	1.4	
200					0.34	3.00 / 2.86	1.3	
250					0.40	3.52 / 3.35	1.2	
315					0.48	4.21 / 4.01	1.1	
400					0.57	4.97 / 4.73	1.0	
500					0.68	5.94 / 5.66	1.0	
630					0.81	6.82	0.9	6.0
800					0.98	8.25	0.8	
1000					1.15	11.33	0.7	
1250					1.38	13.20	0.7	
1600					1.66	15.95	0.6	
2000					1.95	19.14	0.6	
2500					2.34	22.22	0.5	

Note: If the parameters above differ from customer’s parameters, we advise you to kindly contact us and provide us with your specification.