

Transformer

Model: 35kV Oil immersed power transformer

Application:

DC resistance test is the necessary test item for a transformer handover before delivery, it is the ideal equipment to measure DC resistance of transformer winding and high-power inductive devices.

This series of products is relatively advanced in design, and has been greatly improved and improved in materials, structures and processes. The high and low pressure clamps are tensioned by steel straps or upper beams and side beams to form a strong frame structure that enhances the core clamping force and the ability to withstand transport shocks. It has strong anti-short circuit capability, beautiful appearance selection, reliable operation, low loss and low noise, reaching the advanced level of similar foreign products.

Features:

Executive standard

GB 1094.1~2 "General Rules for Power Transformers" "The Temperature of Oil-immersed Transformers" GB 1094.3 "Insulation level, insulation test and external insulation air gap"

GB 1094.5 "The ability of power transformers to withstand short circuits"

GB/T 6451 "Technical parameters and requirements for oil-immersed power transformers"

GB/T 15164 "Guidelines for Oil-immersed Power Transformers"

GB2536 "Transformer Oil"

Specification:

S1135KV oil immersed power transformer(50kVA~1600KVA three-phase double winding non-exciation voltage regulating distribution transformer)

Rated Capacity (kVA)	Voltage combination and tap range			Junction group label	Load loss (W)	Load loss (W)	No-load Current (%)	Short circuit impedance (%)
	(H.V.)	High voltage tap range(%)	(L.V.)					
50	35 38.5	±5 ±2×2.5%	0.4	Dyn1 1 Yyn O	130	1200/1140	1.30	6.5
100					185	2010/1910	1.10	6.5
125					215	2370/2260	1.10	6.5
160					225	2820/2680	1.00	6.5
200					270	3320/3160	1.00	6.5
250					320	3950/3760	0.95	6.5
315					385	4750/4530	0.95	6.5
400					465	5740/5470	0.85	6.5
500					545	6910/6580	0.85	6.5
630					665	7860	0.65	6.5
800					785	9400	0.65	6.5
1000					920	11500	0.65	6.5
1250					1120	13900	0.60	6.5
1600					1350	16600	0.60	6.5

2000					1590	19700	0.55	6.5
2500					1890	23200	0.55	6.5

Note: 1. For transformers with rated capacity of 500KVA and below, the load loss value above the dagona line in the tables applicable to the Dyn11 connection group.

2. according to user needs, can provide high voltage tapping range of $\pm 2 \times 2.5\%$ of the transformer.

S1135KV oil immersed power transformer(630kVA~31500KVA three-phase double winding group non-excitation voltage regulating power transformer)

Rated Capacity (kVA)	Voltage combination and tap range			Junction group label	Load loss (W)	Load loss (W)	No-load current (%)	Short circuit impedance (%)
	(H.V.)	High voltage tap range(%)	(L.V.)					
8000	35~38.5	$\pm 2 \times 2.5\%$	6.6 1.05 11	Yd11	7200	38480	0.42	7.5
10000					8700	45320	0.42	7.5
12500					10080	53870	0.40	8.0
16000					12160	65840	0.40	8.0
20000					14400	79520	0.40	8.0
25000					17020	94050	0.32	8.0
31500					20220	112860	0.32	8.0

Note 1: The external dimensions are designed according to the specific needs of the user.

SZ1135KV on-load tap change oil immersed power transformer(2000kVA-20000KVA on-load tap change power transformer)

Rated Capacity (kVA)	Voltage combination and tap range			Junction group label	Load loss (W)	Load loss (W)	No-load current (%)	Short circuit impedance (%)
	(H.V.)	High voltage tap range(%)	(L.V.)					
2000	35	$\pm 3 \times 2.5$	6.3 10.5	Yd11	2300	19240	0.80	6.5
2500					2720	20640	0.80	6.5
3150	35~38.5	$\pm 3 \times 2.5$	6.3 10.5		3230	24710	0.72	7.0
4000					3870	29160	0.72	7.0
5000					4640	34200	0.68	7.0
6300					5630	36770	0.68	7.5
8000					7870	40610	0.60	7.5



10000				Ynd11	9280	48050	0.60	8.0
12500	35~38.5	±3×2.5	6.3		10940	56860	0.56	8.0
16000			6.6		13170	70320	0.54	8.0
20000			10. 5 11		15570	82780	0.54	8.0