

# Three-Phase Distribution Transformer

This high-pressure transformer utilizes advanced analysis software for core and winding design. It features superior process equipment and efficient manufacturing for small volume, light weight, and low loss.



## ADDITIONAL IMAGES



## Overview

### High-Performance Three-Phase Distribution Transformer

This high-pressure distribution transformer is engineered using advanced analysis software to optimize the core, winding, and fuel tank design. It features a compact, lightweight construction characterized by low loss, low noise, and minimal partial discharge for superior operational efficiency. Designed for reliability and environmental protection, it offers easy installation and maintenance to effectively reduce long-term running costs for power distribution networks.

## Core Performance

### Performance Highlights

**120 KV**

Max High Voltage

**63000 kVA**

Max Capacity

**11 KV**

Max Low Voltage

## Technical Configuration

Capacity	Voltage Combination(KV)			Connection symbol	Loss			Short Circuit Impedance	Weight(KG)			Dimensions(mm)			Track Gauge(mm)
	High Voltage	High Voltage Tapping range	Low Voltage		No-load loss	On-load loss	No-load Current		Body	Oil	Total	L	W	H	
6300	63 66 69 110 120	±8x1.25%	6.3 6.6 10.5 11	Ynd11	9	34	0.5	10.5	11430	4610	21960	4210	4050	4060	1430x1430
8000					11	40.4	0.5		13350	5230	25800	4450	4300	4220	1430x1430
10000					13.2	47.6	0.45		14500	5780	26900	4490	4450	4350	1430x1430
12500					15.6	56.5	0.45		16102	6400	29900	4810	4500	4690	1430x1430
16000					17	77	0.4		18100	6240	32300	5490	4240	4570	2000x1430
20000					22	91.5	0.4		20250	7590	36070	5570	4300	4810	2000x1430
25000					26	110.5	0.35		21700	7560	38310	5480	4620	5010	2000x1430
31500					30	133.2	0.35		26100	8800	42150	5630	4500	5100	2000x1430
40000					36	156.6	0.3		28500	10800	51200	5970	4760	5240	2000x1430
50000					44	194.4	0.25		34500	10500	52890	6210	4850	6100	2000x1430
63000					57	234	0.25		39900	13800	68640	6800	4520	5880	2000x1430

Comprehensive technical parameters including voltage combinations, loss characteristics, and physical dimensions for various transformer capacities.

## Voltage & Connection

High Voltage (KV)	Tapping Range	Low Voltage (KV)	Connection Symbol
63, 66, 69, 110, 120	±8x1.25%	6.3, 6.6, 10.5, 11	Ynd11

## Detailed Specifications

### Model Capacity and Loss Data

Capacity (kVA)	No-load Loss (kW)	On-load Loss (kW)	No-load Current (%)
6300	9	34	0.5
10000	13.2	47.6	0.45
16000	17	77	0.4
31500	30	133.2	0.35
63000	57	234	0.25

## Physical Characteristics

### Weight and Dimensions (63000 kVA Model)

- Body Weight: 39,900 kg
- Oil Weight: 13,800 kg
- Total Weight: 68,640 kg
- Length (L): 6,800 mm
- Width (W): 4,520 mm
- Height (H): 5,880 mm
- Track Gauge: 2000 x 1430 mm

## Design Features

Key Features	Low Loss, Low Noise, Low Partial Discharge, Energy Conserving, Environmental Protection, Small Volume, Light Weight
Maintenance & Reliability	Yes