

OIL IMMERSED DISTRIBUTION TRANSFORMER

STANDARD FITTINGS

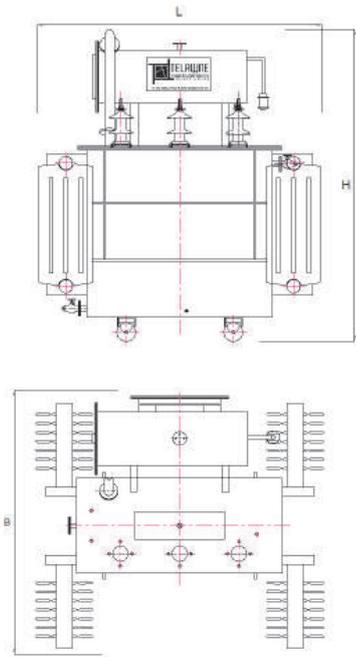
- H. V. Bushing
- L. V. Bushing
- Off Circuit Tap Changer
- Conservator oil filling hole with cap & drain plug
- Under carriage with four bi-directional rollers
- Earthing terminals
- Drain cum bottom filter valve with sampling plug
- Top filter valve with sampling plug
- Plain Oil Level gauge
- Rating diagram plate
- Air release device
- Thermometer Pocket
- Lifting lugs
- Pressed Steel Radiators (Fins or corrugated type)
- Double Diaphragm Explosion Vent
- Silica gel breather
- Additional Neutral bushing
- First filling of oil

→ TECHNICAL SPECIFICATIONS

Duty, Type	Outdoor / Indoor, Pole or Ground Mounted
Voltage Class	3.3, 6.6, 11, 22, 33 kV or any specific
No of Phases	1 or 3 Phase
Frequency	50/60 Hz
Vector Group	Dyn1 or Dyn5 or Dyn11 or any specific
Insulating Fluid	PCB FREE Mineral Oil, both inhibited & uninhibited, as per IS/IEC, ASTM D3487 and customer requirement
Class of Insulation	Class A
Tap Changer	Off Circuit or On Load
Tapping Range	±2.5% X 2 for OCTC or + 1.25% X 4 & - 1.25% X 8 for OLTC or as per customer requirement
Winding Material	Aluminium or Copper with multi paper covering
Applicable Standards	IS 2026, IEC 60076, ANSI, IEEE
Painting	Enamel, Epoxy, Polyurethane or customer specific



➔ PRODUCT DIAGRAM



➔ OPTIONAL FITTINGS

- Detachable Radiators with isolating valves.
- Jacking Pads
- Dial type Oil Temperature Indicator with A/T contacts
- Dial type Winding Temperature Indicator with A/T contacts
- Magnetic Oil Gauge with A/T contacts
- Buchholz relay with A/T contacts
- Marshalling box with control wiring
- Equaliser pipe between conservator & explosion vent
- On Load Tap Changer
- RTCC Panel with automatic voltage Regulator (AVR)
- Pressure Release valve
- DGPT Relay

➔ GENERAL DETAILS

We at TELAWNE manufacture both hermetically sealed, corrugated radiator type and conventional rectangular tank type distribution Transformers. These Transformers are generally used in distribution network for feeding residential, commercial & bulk consumers. Following are the dimensional, weight & quantity details along with standard losses for conventional 11 kV distribution transformer (Off Circuit Type).

SR. NO.	RATING (kVA)	OVERALL DIMENSIONS (MM)			STANDARD LOSSES (W)		OIL QTY. (LTRS)	TOTAL WT. (KGS)
		LENGTH (L)	BREADTH (B)	HEIGHT (H)	NO LOAD	FULL LOAD		
1	100	1200	1400	1500	300	1750	235	750
2	150	1250	1500	1600	400	2500	350	1025
3	200	1300	1500	1700	480	3000	400	1225
4	250	1400	1600	1750	540	3500	465	1365
5	315	1500	1700	1800	580	4200	490	1500
6	400	1600	1800	1850	720	5000	520	1800
7	500	1700	2000	1900	850	5800	575	2200
8	630	1800	2100	2000	1000	7000	650	2400
9	750	1900	2150	2200	1150	8000	750	2600
10	1000	2200	2200	2350	1500	10500	1000	4000
11	1250	2300	2600	2400	1800	12500	1250	4750
12	1600	2400	3000	2600	2100	14250	1310	5450
13	2000	2600	3200	2400	2500	17000	1450	6000
14	2500	2800	3300	2800	3000	20000	1650	7200
15	3000	3200	3400	3000	3750	25000	1900	8250
16	5000	4500	4200	3200	6500	38000	3350	12950

**Dimensions and weight & losses may vary for any specific or special requirement.*

➔ ASSURED FEATURES

- Highest dielectric insulation property to withstand Lightning Impulse.
- Mechanical design to withstand short circuit forces arising during faults.
- Optimum oven heating under vacuum as to achieve desired compression height and maximum insulation resistance (IR) to windings.
- Adequate ducts between layers, coils, discs for maximum oil flow and reduced hot spot temperature.
- Step-lap designed CRGO laminations for lower losses and excitation current.
- Pre compressed Insulation material for minimal moisture absorption.