VACUUM PRESSURE IMPREGNATED
DRY TYPE TRANSFORMER

TELAWNE POWER EQUIPMENTS PRIVATE LIMITED

STANDARD FITTINGS

- H.V. Cable box
- L.V. Cable box with Bus bar or Bus duct
- Off Circuit Tap links
- Under carriage with four bi-directional Rollers
- Earthing terminals
- Rating and diagram plate
- Lifting lugs for complete Transformer
- Tapping Link operation Door
- Enclosure with Louver Panels
- Canopy
- Base Channel-2 Nos.
- Separate Neutral bushing on LV side
- Paint: Powder Coated with RAL 7032 shade
- Hinged Windows for inspection of core and windings

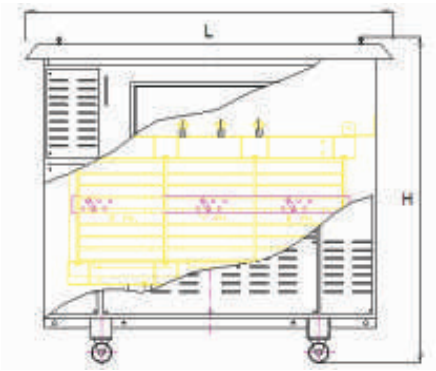
SAFETY FEATURES

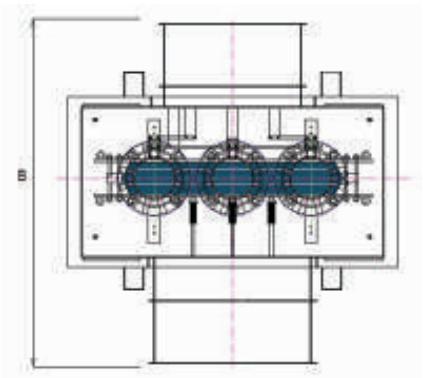
- Environment Friendly
- Fire Resistance
- Non-Hygroscopic

TECHNICAL SPECIFICATIONS

Duty, Type	Outdoor / Indoor, Pole or Ground Mounted
Voltage Class	Upto 22 kV
No of Phases	3 Phase
Frequency	50/60 Hz
Vector Group	Dyn1 or Dyn5 or Dyn11 or any specific
Class of Insulation	F or H with Temp Rise of 90 or 115° C or as per customer requirement
Tap Changer Type	Off Circuit or On Load
Tapping Range	±2.5% X 2 for OCTC or + 2.5% X 2 & - 2.5% X 6 for OLTC or as per customer requirement
Winding Material	Aluminium or copper with multi paper NOMEXcovering
Applicable Standards	IS 11171, IEC 60726
Enclosure Painting	Powder coated with RAL 7032 shade or as per customer requirement

PRODUCT DIAGRAM





GENERAL DETAILS

We TELAWNE manufacture both hermetically sealed, corrugated radiator type and conventional open enclosure type vacuum pressure impregnated dry Transformers. These Transformers are specifically needed in distribution network for feeding basements or stilts of high-rise buildings, hotels, Malls, stadium, air ports, chemical & refinery plants. Following are the dimensional & weight details along with standard losses for conventional 11kV, Dry Type (VPI) Transformer (off circuit Type).

SR.	RATING	OVERALL DIMENSIONS (MM)			STANDARD LOSSES (W)		TOTAL WT.
NO.	(kVA)	LENGTH (L)	BREADTH (B)	HEIGHT (H)	NO LOAD	FULL LOAD	(KGS)
1	100	1400	1500	1500	400	1600	925
2	150	1500	1600	1600	500	2400	1050
3	200	1600	1700	1700	600	3000	1400
4	250	1700	1800	1800	700	3500	1550
5	315	1750	1900	1900	950	4400	1650
6	400	1850	2100	2000	1200	4750	2100
7	500	1900	2200	2200	1450	5200	2300
8	630	2000	2400	2300	1600	6000	2600
9	750	2100	2500	2350	1800	7000	3200
10	1000	2200	2600	2400	2200	9500	3400
11	1250	2300	2700	2450	2600	11500	3600
12	1600	2350	2800	2500	3200	13500	4000
13	2000	2400	3000	2600	3800	16500	4450
14	2500	2500	3200	2700	4500	20000	5000
15	3000	2600	3400	2800	5000	23000	6500

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

OPTIONAL FITTINGS

- RTD with A/T contact
- Marshalling box with control wiring
- On Load Tap Changer with RTCC Panel with AVR
- Forced Cooling arrangement
- Neutral Current Transformer
- Space heaters for core & windings

ASSURED FEATURES

- Windings are electrically balanced to minimize axial & radial short circuit forces.
- Coils are held rigidly in place between insulators clamped to the upper and lower core frames under high compression.
- Polyester resin or thixotropic epoxy resin or silicon varnish impregnation as per the application is used.
- High temperature resistant materials are used including Nomex papers, silicone coated fibreglass and pressure sensitive glass tape.
- Adequate ducts between coils, discs for maximum air flow and reduced hot spot temperature.
- Step-lap designed CRGO laminations for lower losses and excitation current.