

# Cast Resin Dry Type TRANSFORMER.

The Ecotrafo cast resin dry type transformer windings are enveloped with epoxy resin that has great mechanical strength,

higher short circuit withstand capacity and the compressed strength of epoxy resin is much robust. As the whole winding is encapsulated in solid insulation of epoxy resin, the winding is moisture proof and prevents all possible damage from harmful gas and corrosive chemical composition.



## ADVANTAGES

<b>Safer</b> (does not contain oil)	<b>Lower maintenance</b>	<b>Superior insulation</b>
<b>Better protection</b> against short circuit	<b>Lower noise level</b>	<b>Longer lifespan</b>

### AREA OF APPLICATION

Suitable to use in locations that require high fire resistance: -

- High rise building
- Subway
- Mining industries
- Airport
- Hospital
- Shopping complexes
- Railway station
- Power plant
- Other densely populated areas

## CAST RESIN DRY TYPE SPECIFICATION

\*\*\*Larger capacity & other special feature are available upon request

Rating (kVA)	Voltage			Vector Group	No-load Current %	No-load Loss (W)	Full-load Loss 120°C (W)	Short Circuit Impedance (%)	LpA (dB)	Weight (kg)	Dimension		
	HV (kV)	HV Tapping Range	LV (kV)								Length (mm)	Width (mm)	Height (mm)
100	33	±2 x 2.5%	0.4	Dyn11 Yyn0	2.1	630	2090	6	46	820	1540	780	1370
160					1.6	790	2810		46	1160	1580	820	1395
200					1.6	880	3325		46	1380	1600	820	1455
250					1.4	990	3800		48	1630	1680	820	1415
315					1.4	1180	4510		48	1940	1750	1050	1535
400					1.2	1370	5415		50	2325	1760	1050	1680
500					1.2	1620	6650		50	2740	1860	1050	1800
630					1.0	1860	7695		52	3270	1930	1050	1935
800					1.0	2160	9120		52	3910	1960	1050	1985
1000					0.9	2430	10450		52	4620	2000	1200	2025
1250					0.8	2835	12730		54	5460	2060	1200	2180
1600					0.8	3240	15480		54	6570	2150	1200	2250
2000					0.8	3825	18240		56	7770	2200	1200	2300
2500					0.8	4455	21850		56	8875	2350	1200	2350

33kV model

Rating (kVA)	Voltage			Vector Group	No-load Current %	No-load Loss (W)	Full-load Loss 120°C (W)	Short Circuit Impedance (%)	LpA (dB)	Weight (kg)	Dimension		
	HV (kV)	HV Tapping Range	LV (kV)								Length (mm)	Width (mm)	Height (mm)
100	22	±2 x 2.5%	0.4	Dyn11 Yyn0	2.1	540	1990	6	46	760	1400	780	1200
160					1.6	670	2470		46	1070	1450	820	1260
200					1.6	730	2940		46	1280	1480	820	1260
250					1.4	840	3420		48	1510	1480	820	1300
315					1.4	970	4080		48	1800	1500	900	1300
400					1.2	1150	4840		50	2160	1500	900	1370
500					1.2	1350	5790		50	2540	1580	1050	1455
630					1.0	1530	6840		52	3040	1580	1050	1550
800					1.0	1750	8260		52	3630	1660	1050	1680
1000					0.9	2070	9780		52	4290	1700	1200	1740
1250					0.8	2380	11540		54	5070	1830	1200	1820
1600					0.8	2790	13870		54	6110	1910	1200	1970
2000					0.8	3240	16380		56	7220	2040	1200	2070
2500					0.8	3870	19380		56	8250	2150	1200	2160

22kV model

Rating (kVA)	Voltage			Vector Group	No-load Current %	No-load Loss (W)	Full-load Loss 120°C (W)	Short Circuit Impedance (%)	LpA (dB)	Weight (kg)	Dimension		
	HV (kV)	HV Tapping Range	LV (kV)								Length (mm)	Width (mm)	Height (mm)
100	11	±5% 2.5%	0.4	Dyn11 Yyn0	0.9	350	1570	4	43	650	1040	720	1035
125					0.9	410	1850		45	690	1070	720	995
160					0.8	470	2130		45	810	1130	720	1025
200					0.8	540	2530		45	970	1180	720	1050
250					0.8	630	2760		46	1075	1180	720	1220
315					0.7	770	3470		46	1480	1280	780	1260
400					0.7	850	3990		46	1870	1200	1000	1270
500					0.7	1010	4880		46	2190	1260	1000	1295
630					0.6	1170	5880		46	2635	1300	1000	1455
800					0.6	1330	6960		48	2780	1420	1050	1415
1000					0.6	1540	8130		48	3240	1480	1050	1530
1250					0.5	1820	9690		48	3810	1540	1050	1535
1600					0.5	2140	11730		48	4505	1560	1050	1655
2000					0.4	2700	14450		48	5405	1670	1200	1755
2500					0.4	3200	17170		50	6140	1800	1200	1830

11kV model