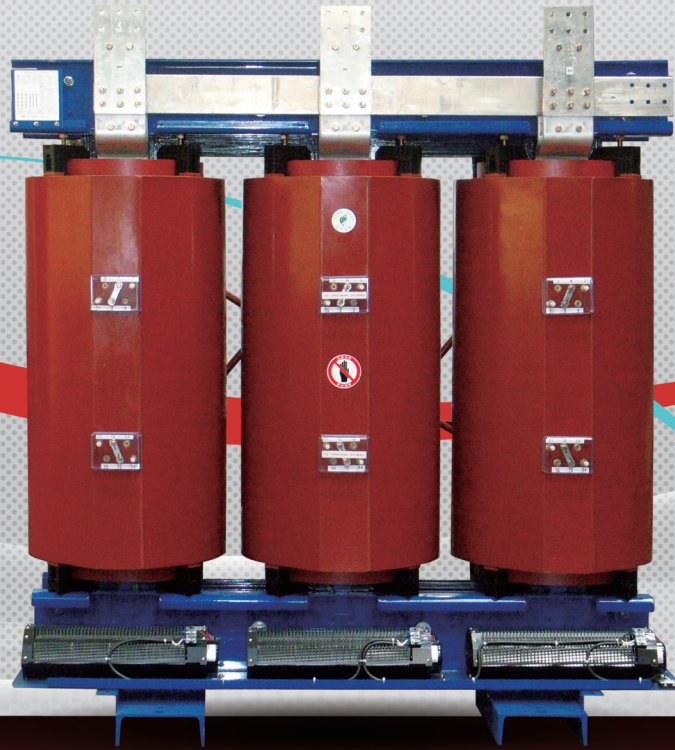




**Allis Electric Co., Ltd.**

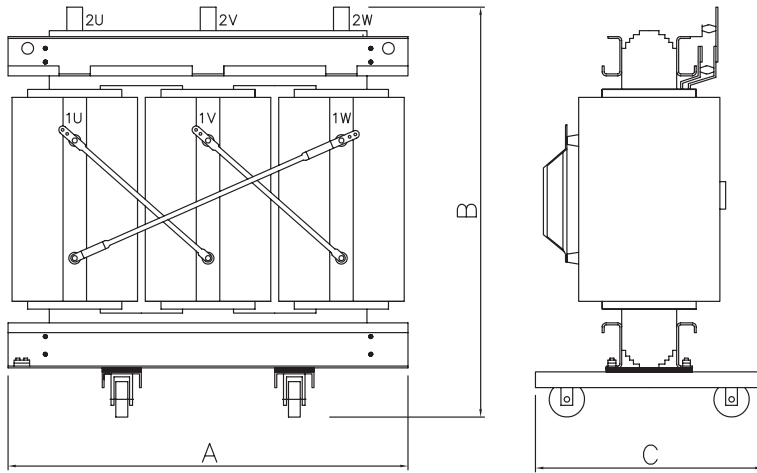
TRANSFORMER



## Cast Resin Transformer

### Key Features

- Core made of grain-oriented, low-loss electro-laminations. With V-notch and step-lap constructions to improve the characteristics of the core, and to reduce the noise of Transformers.
- LV winding made of aluminum strip. Turns firmly glued together by means of insulating sheet wrapper material.
- HV winding consisting of vacuum-potted single foil-type aluminium coils.
- LV terminal normal arrangement: Top, rear. Special version: Bottom, available on request at extra charge.
- HV terminal variable arrangements, for optimal station design.
- Resilient spacers to insulate core and windings from mechanical vibrations, resulting in low noise emissions.
- Clamping frame and truck Rollers can be swung around for lengthways or sideways travel.
- Insulation: Mixture of epoxy resin and quartz powder. Makes the transformers maintenance-free, moisture-proof, tropicalized, flame-resistant and self-extinguishing.



Standard: IEC60076-11
Number of Phase: 3
Frequency: 50Hz
Primary Voltage: 22kV or 22/15kV
Secondary: 400V
Vector Group: Dyn11
Hv Tapping: +/-2*2.5%
Temperature Class: F
Insulation Level: AC50-BIL125
Partial Discharge Level: <10pC

## Specifications

Primary Voltage: 22kV

Rated power (kVA)	No-load loss (W)	Load loss (W)*	Impedance (%)*	Sound level (dB)	Approximate Dimension (mm)			Approx. Wt. (kg)
					A	B	C	
500	1500	5000	6.0	59	1620	1600	820	1900
630	1700	5700	6.0	60	1750	1630	820	2250
800	2300	6700	6.0	60	1810	1680	820	2600
1000	2600	7100	6.0	60	1870	1840	990	3100
1250	2850	10300	6.0	61	1880	2040	990	3400
1600	3300	11200	6.0	62	1960	2140	990	4100

Primary Voltage: 22/15kV (Dual Voltage)

Rated power (kVA)	No-load loss (W)	Load loss (W)*	Impedance (%)*	Sound level (dB)	Approximate Dimension (mm)			Approx. Wt. (kg)
					A	B	C	
500	1500	5000	6.0	59	1580	1750	820	1950
630	1700	5700	6.0	60	1750	1800	820	2350
800	2300	6700	6.0	60	1780	1940	820	2700
1000	2600	7100	6.0	60	1900	1990	990	3300
1250	2850	10300	6.0	61	1950	2090	990	3850
1600	3300	11200	6.0	62	2020	2220	990	4500
2000	4200	12200	6.0	62	2150	2300	1280	5600
2500	5100	15100	6.0	64	2350	2400	1280	7000
3150	6400	22000	6.0	65	2500	2540	1340	8200

\*\*: Load loss and Impedance base on 22kV and 75° C

- 1.The Winding material can be aluminum or copper by option, but above data only for aluminum winding.
- 2.Enclosure IP20, IP21, IP31 or higher by requested.
- 3.These data for reference only, the right to make changes at any time is reserved.