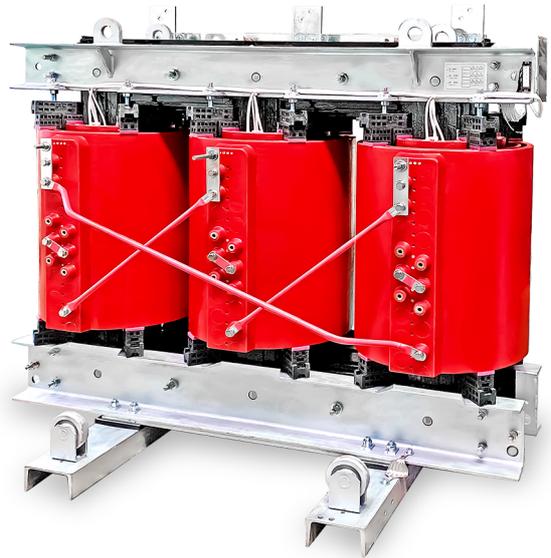


# Medium Voltage Cast Resin Transformers

## Introduction

In CIC's medium-voltage Cast Resin Dry Type Transformers (CRT), the cores are made with high-permeability cold-rolled grain-oriented silicon steel sheets (CRGO) to keep the transformers compact and to effectively reduce no-load losses. The coils are cast in epoxy resin (Class F insulation) and are therefore self-extinguishing, maintenance-free, non-toxic, and are protected against dust and humidity. Examples of suitable applications include public constructions, hospitals, educational institutes, factories, and commercial buildings. To ensure product quality, safety, and durability, all units undergo pre-delivery testing by an electricity laboratory accredited by TAF (a member of the ILAC) according to ISO/IEC 17025.



## Features

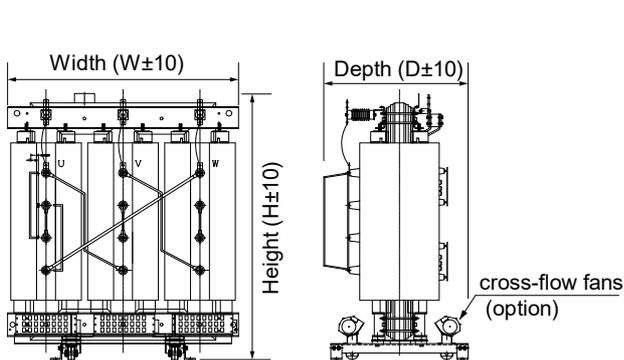
- Cores—made with high-permeability cold-rolled grain-oriented silicon steel sheets (CRGO)—and coils are firmly secured and supported with high-strength components to ensure excellent mechanical strength and to attenuate the transmission of vibrations.
- Low-loss and low-noise performance.
- Coils, made with high-conductivity wires and insulation materials of excellent thermal resistance, are cast in epoxy resin—hence the self-extinguishing property, excellent insulation, and protection against pollution and humidity.
- Coils are made with copper or aluminum wires, as requested by the customer.
- Optional carriage with rollers (wheels) available for easy movement.
- Optional “Air Forced” (AF) cooling method available for increasing the capacity of the transformer.
- Enclosure available (optional).
- Custom requests and specifications available.

## Specifications

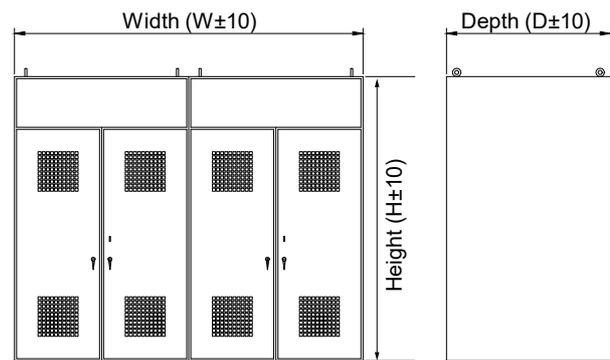
- Standards: IEC (or specific national standards by request)
- Number of Phases: 3
- Frequency: 50 or 60Hz
- Primary Voltage: 2 x 12 kV (12 or 24kV)
- Secondary Voltage: 220V, 380V or 440V (one secondary voltage);  
190 - 110V or 380 - 220V (two secondary voltages)
- Capacity:  $\leq 2500$  kVA
- Connection Type: Dyn1, Dyn11, etc.
- Cooling Method: Air Natural (AN) or Air Forced (AF), as requested by the customer.
- Optional thermometer, or temperature monitoring and control device.
- Other specifications or custom requirements available.

## Drawings and Selection Tables

(Unit: mm)



Without Enclosure (IP00)



With Enclosure (IP20)

Without Enclosure (IP00)				
Capacity (kVA)	Dimensions (mm)			Approx. Weight (kg)
	Width (W)	Depth (D)	Height (H)	
750	1630	670	1880	2310
1000	1750	710	2000	2960
1250	1840	740	2120	3430
1500	1840	740	2120	3720
2000	2320	840	2280	5010
2500	2320	900	2320	6240

With Enclosure (IP20)				
Capacity (kVA)	Dimensions (mm)			Approx. Weight (kg)
	Width (W)	Depth (D)	Height (H)	
750	2100	1600	2350	2780
1000	2200	1600	2500	3560
1250	2300	1600	2500	4120
1500	2300	1600	2500	4470
2000	2800	1700	2600	6020
2500	2800	1800	2700	7490

Note: The data above are given as examples only. Please contact us with your special requests and for final specifications.