

# Low-Voltage Oil-Immersed Transformers

## Introduction

For high efficiency and safety, CIC's low-voltage oil-immersed transformers are made with high-permeability silicon steel cores and insulating oil of a high ignition point.

These transformers are widely used in power supplies for lighting, factory motors, and other equipment. Another common application of these transformers can be found in temporary power solutions for construction sites.

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

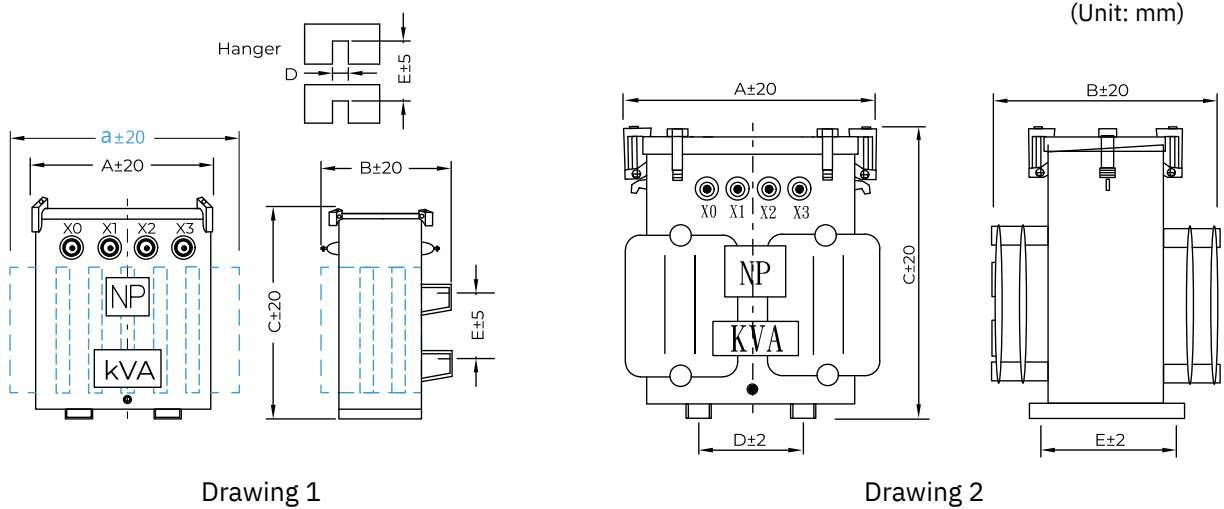
- Cores made with high-permeability cold-rolled grain-oriented silicon steel sheets (CRGO), together with high-conductivity windings, make for low-loss, low-noise, and high-efficiency performance.
- Insulating oil with high dielectric strength, chemical stability, and thermal conductivity.
- Stringent pre-delivery testing to ensure quality.
- Custom requests and specifications available.

## Specifications

- Standards: IEC (or specific national standards by request)
- Number of Phases: 3
- Frequency: 50 or 60Hz
- Primary Voltage:  $\leq 600V$
- Secondary Voltage:  $\leq 600V$
- Capacity: 5 kVA ~ 300 kVA
- Connection Type:  $\Delta-\Delta$ ,  $\Delta-Y$ ,  $Y-\Delta$  or  $Y-Y$
- Cooling Method: Oil Natural Air Natural (ONAN)
- Other specifications or custom requirements available.



# Drawings and Selection Tables



## 3 ~ 20 kVA, Without Radiators (Drawing 1)

Capacity (kVA)	Dimensions (mm)					Approx. Weight (kg)
	A	B	C	D	E	
3	365	385	530	20	250	70
5	365	385	530	20	250	70
7.5	385	395	540	20	250	88
10	390	395	570	20	270	95
15	410	415	590	20	270	115
20	430	425	610	20	300	130

## 25 ~ 50 kVA, With Radiators (Drawing 1)

Capacity (kVA)	Dimensions (mm)					Approx. Weight (kg)
	a	B	C	D	E	
25	540	440	640	20	300	155
30	550	450	660	20	300	175
37.5	570	470	710	20	300	210
50	610	510	760	20	300	260

## 75 ~ 300 kVA, With Radiators (Drawing 2)

Capacity (kVA)	Dimensions (mm)					Approx. Weight (kg)
	A	B	C	D	E	
75	640	600	780	370	370	340
100	670	620	840	390	390	410
150	730	630	950	450	450	520
200	830	750	1100	500	500	750
250	830	750	1100	500	500	850
300	860	850	1150	500	500	950

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