

ACME POWERWISE C3 TRANSFORMER

Applications

The Acme POWERWISE C3 transformer is the ideal transformer for commercial environments where energy efficiency is a primary concern. It is a perfect choice for K through 12, college, university, healthcare, governmental and commercial buildings where the total life cycle cost of the facility and its electrical system is a priority.

Design

The Acme POWERWISE C3 sets new standards for efficiency and reliability. Through more efficient core material and higher-grade electrical steel, losses are minimized and performance is maximized. Acme POWERWISE C3 transformers are copper wound, 3-phase common-core, dry type ventilated isolation transformers. Each transformer is meticulously constructed to ANSI/IEEE Standards and is UL and CSA listed.

Environmental Efficiency

Acme POWERWISE transformers are the most efficient commercially available transformers. Because they generate lower losses, they reduce power drawn from generating stations, resulting in lower greenhouse gas emissions and less smog. The result is a win for the environment and a win in terms of lowest transformer life cycle costs.

Warranty

Acme POWERWISE C3 transformers are subjected to rigorous quality electrical and insulation tests in our ISO 9001-certified facility, and they are backed by our 25-year pro-rated warranty.

Quiet Operation

To ensure quiet operation, products are tested to NEMA Standard ST-20 and sound levels do not exceed the following:

15–50 KVA	45 dB
51–150 KVA	50 dB
151–300 KVA	55 dB
301–500 KVA	60 dB

Consult factory for lower-noise models



Additional Features and Benefits:

- » Exceeds US DOE CSL-3 efficiency to help you reduce electrical waste and provide sustainability in your electrical design
- » Significantly exceeds TP1 efficiency for low operating cost over the life of the transformer
- » Optimized design provides maximum reliability and proven performance
- » Produced in an ISO 9001 facility to ensure high quality and rigorous testing standards



Acme Electric

The First Name in Power Solutions

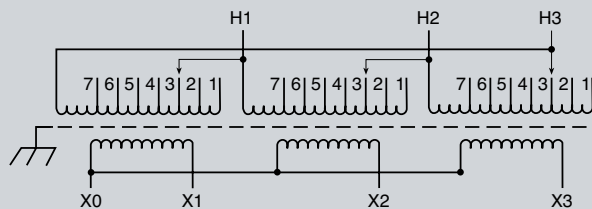
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Specifications	
Windings	Copper
Insulation Class	220° C
Degree Rise	115° C
Impedance	See chart to right
Noise Levels	Per NEMA ST-20
Rated for 60 Hertz	
K Rating	K-13
Voltage Taps	Voltage Taps: 15 through 500 kVA (2) 2 1/2 % ANFC, (4) 2 1/2 % BNFC
Neutral Conductor	200% Rated
Electrostatic Shield	Standard
Enclosure	Ventilated NEMA 2 (NEMA 3R available with drip shield)

kVA Size	115° C Rise Part Number	Impedance (%Z)	Dimensions (inches)	Weight (lbs.)
15	TPC3-53311-1S	2.3%	25.5"H X 24.4"W x 19.4"D	350
30	TPC3-53312-1S	4.0%	29.4"H X 28.2"W x 22.4"D	385
45	TPC3-53313-1S	4.0%	29.4"H X 28.2"W x 22.4"D	455
75	TPC3-53314-1S	5.5%	35.5"H X 31.9"W x 26.9"D	585
112.5	TPC3-53315-1S	4.1%	41.5"H X 32.9"W x 29.9"D	1,020
150	TPC3-53316-1S	4.7%	41.5"H X 32.9"W x 29.9"D	1,260
225	TPC3-53317-1S	5.3%	41.5"H X 32.9"W x 29.9"D	1,410
300	TPC3-53318-1S	6.5%	45.6"H X 39.5"W x 35.5"D	1,860
500	TPC3-53319-1S	4.0%	57.8"H X 45.0"W x 41.4"D	3,350

Contact factory for sizes above 500 kVA

Wiring diagram



Enclosure dimensions

