



Patent #8,648,274

DURATRANS® Transformer

- Proven Harsh Environment Technology
- Coil Distortion Prevention (CDP)
- Corrugated Duct Technology
- OVAL Technology

DURATRANS® Transformer

Description

Traditional manufacturers use out of date winding techniques and technology for the most critical power delivering part of your equipment. Becker Global-America has developed cutting edge technology with it's latest patented innovation called **DURATRANS**®

The DURATRANS® Transformer invention is intended to address the challenges specific to dry-type applications. These challenges are met by producing a wound transformer coil which results in a mechanically robust construction preventing winding displacement and sealing out all environmental contaminants.

The NEW Standard for America's Toughest Industries



What Makes DURATRANS® Unique?

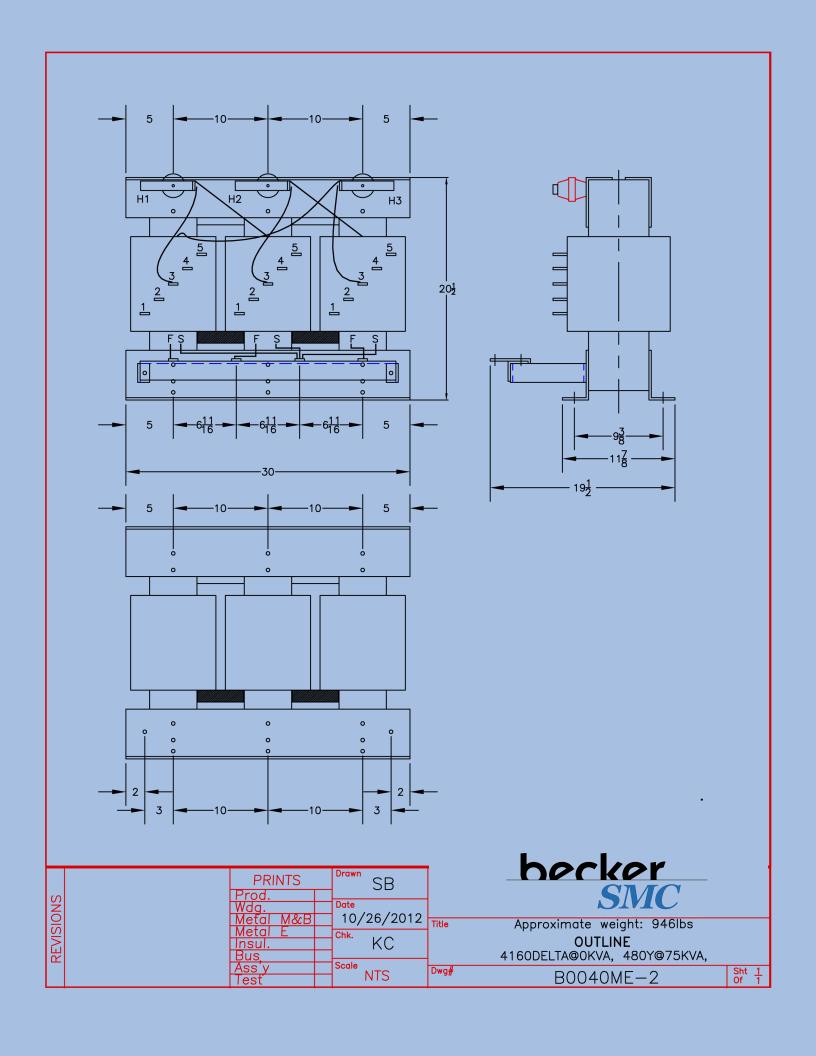
The technology utilized to produce the industry leading, patent pending, transformer design.

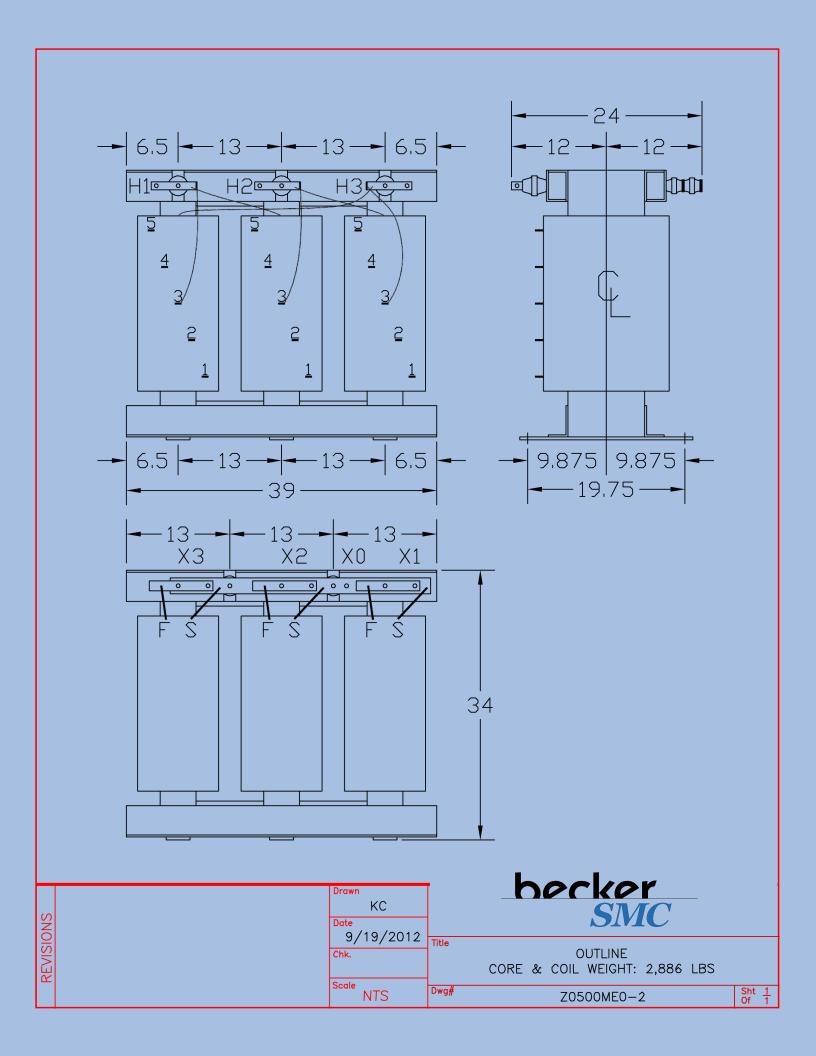
Proven Harsh Environment (HET) is a proprietary process which seals out contaminants and builds superior strength to the transformer.

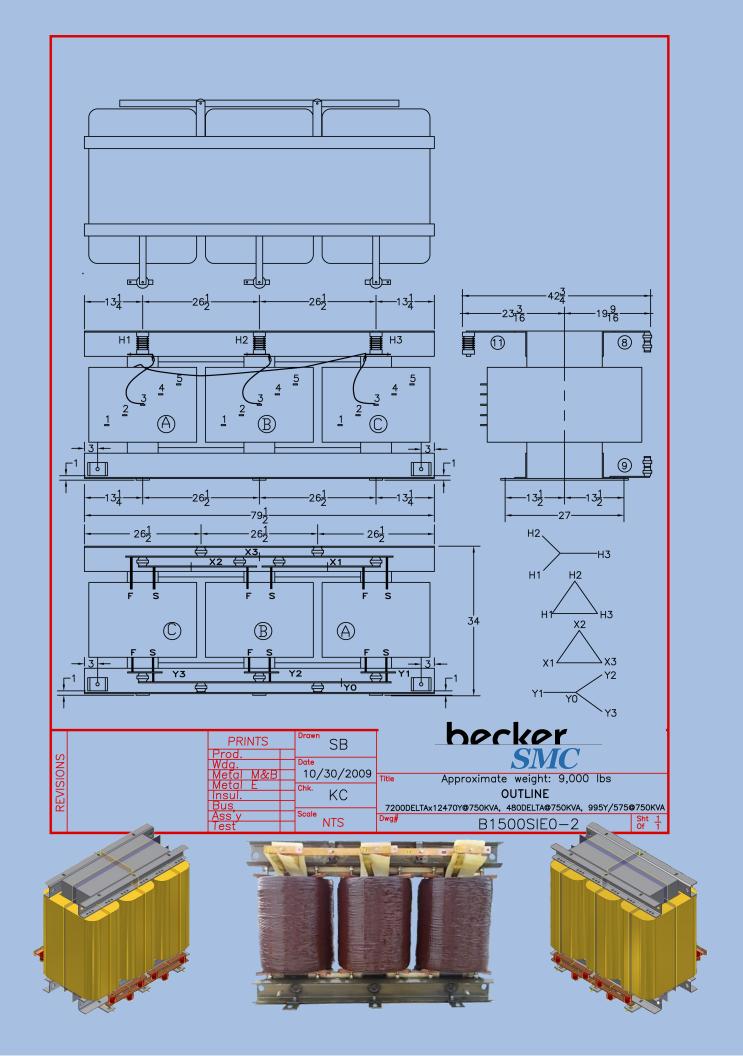
Coil Distortion Prevention (CDP) technology prevents outward coil distortion via a specifically reinforced material on the outside layer.

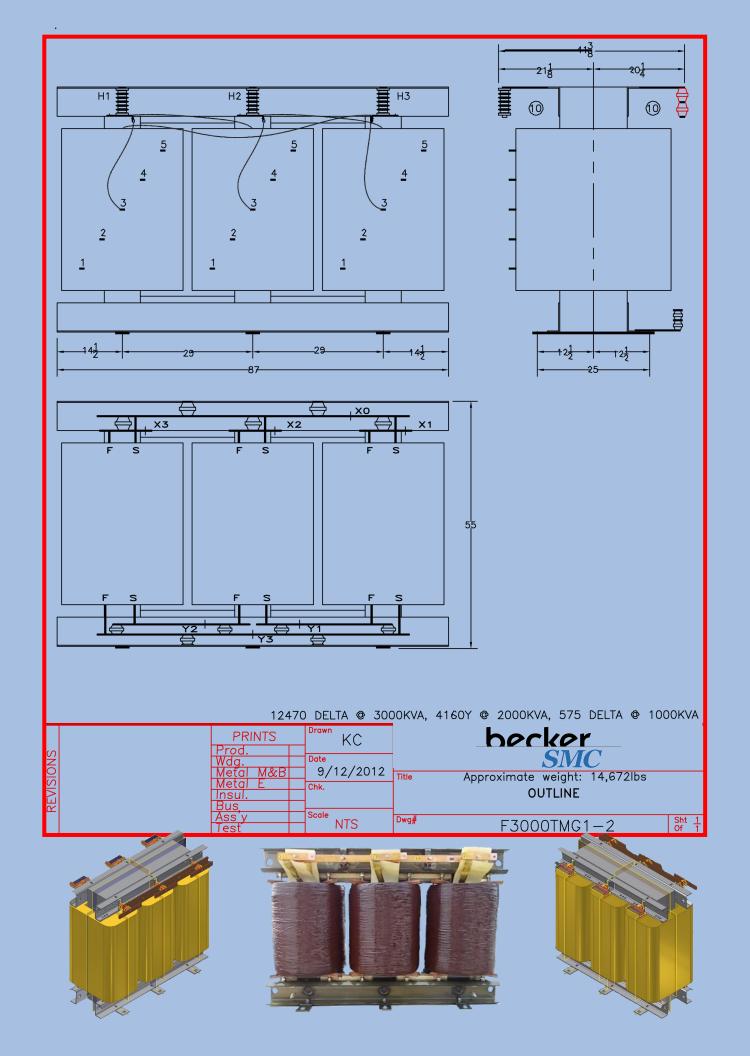
Corrugated Duct Technology (CDT) promotes more air flow and transformer efficiency.

OVAL Technology provides superior short circuit strength.









DURATRANS® VS Standard Dry Type Comparison of Thermal Performance

	Standard dry type Transformer	DURATRANS® Transformer	Improvement in Thermal performance
Full load temperature rise at similar watts per	148.7° C	129.3° C	15%

Tested per ANSI C57.12.91

square inch of cooling surface

This chart shows the thermal performance of the **DURATRANS®** Transformer compared to the Standard Dry Type Transformer. This improvement demonstrates the **DURATRANS®** Transformer's superior ability to handle thermal shocks from sudden peak overloads and cyclic loading, making it ideal for rectifier and variable

frequancy drive applications.



DURATRANS® Average sound level, describes three-phase high voltage transformers

Height nches] 00/IP23
7/76.78
8/84.65
8/84.65
9/86.61
1/94.48
9/94.48
6/107.87
4/119.68
2

Becker Global-America 14660 Industrial Park Road Bristol, VA 24201 United States of America 276.285.3841

