

**Drive Isolation Transformers: 7.5–440 kVA, Three Phase**

**Special Voltages and kVA Sizes for Drive Applications**

For SCR (Silicon Control Rectifier) variable speed motor drive applications, a transformer is needed to magnetically isolate the incoming line from the motor drive. The transformer must also provide a voltage change to match the required voltage of the SCR Drive. Standard designs are delta primary and wye secondary to match the common power sources required in most three phase rectifier circuits.

Hevi-Duty drive isolation transformers are specifically designed to handle the mechanical stresses, voltage demands and harmonics associated with SCR applications.

**Features**

- Available from 7.5 thru 440 kVA, 3 Phase, 60 Hz.
- Isolation minimizes load disturbances caused by the SCR drive.
- UL-3R enclosures when used with optional weather shield.
- Taps on all units for adjustments to incoming source voltage. Full capacity secondary neutral as required by the National Electric Code.
- Shielding attenuates line to ground noise.
- 10 year warranty

**Related Products**

- Surge Protective Devices
- Line Reactors
- K-13 Rated Transformers for Variable Frequency Drives

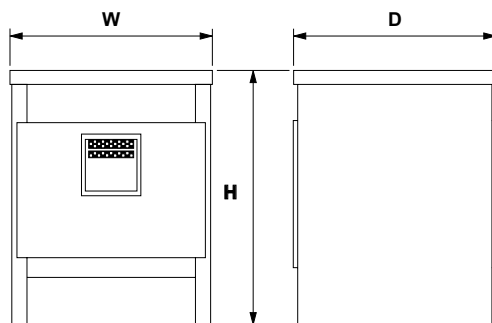
**Accessories**

- Weather Shields

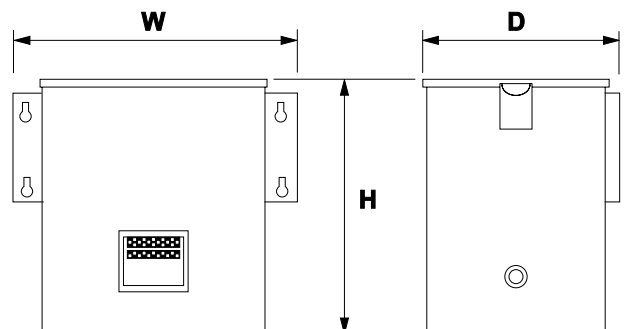
**Applications**

- SCR Variable Speed Drives

**Design Styles**



Style 1 - Ventilated



Style 4 - Encapsulated



**Sizing Information (from Selection Table)**

To properly size a drive isolation transformer, follow the drive manufacturer’s recommendations or, if you know the motor horsepower, select the proper kVA from the Selection Table on the next page. See the Transformer Sizing section of Chapter 6 (Distribution Transformers).

**Note:** Other voltage combinations available. Contact Technical Services.

**Available upon special order:**

- Totally enclosed, non-ventilated units (Non-UL Listed)
- Copper wound transformers