



25KVA & 35KVA ISOLATION TRANSFORMER



- ✓ **Complete Electrical Isolation**
- ✓ **High Levels of Instantaneous Dynamic Power**
- ✓ **Noise Filtration (NBT Technology)**

Torus Power Isolation Transformer

The Torus Power Isolation Transformer offers large scale power isolation and conditioning for high end audio video applications in home theater, 2-channel home audio, professional studios and commercial theaters.

Torus Power toroidal Isolation Transformers come in 25kVA and 35kVA, providing complete isolation from the external power grid.

Low Source Impedance

Torus Power Isolation Transformers have a low output impedance. The 25kVA and 35kVA can offer high instantaneous output current, each drawing from the service line or sub panel (230V or 240V). Low Source Impedance enhances total system performance.

Noise Filtration

Torus Power Isolation Transformers filter noise with Plitron's Narrow Bandwidth Technology (NBT). NBT uses controlled leakage inductance and capacitances within the transformer to significantly reduce common mode and differential mode noise. NBT operates from 2kHz to 1MHz at 12dB/decade up to 500kHz.

Efficiency

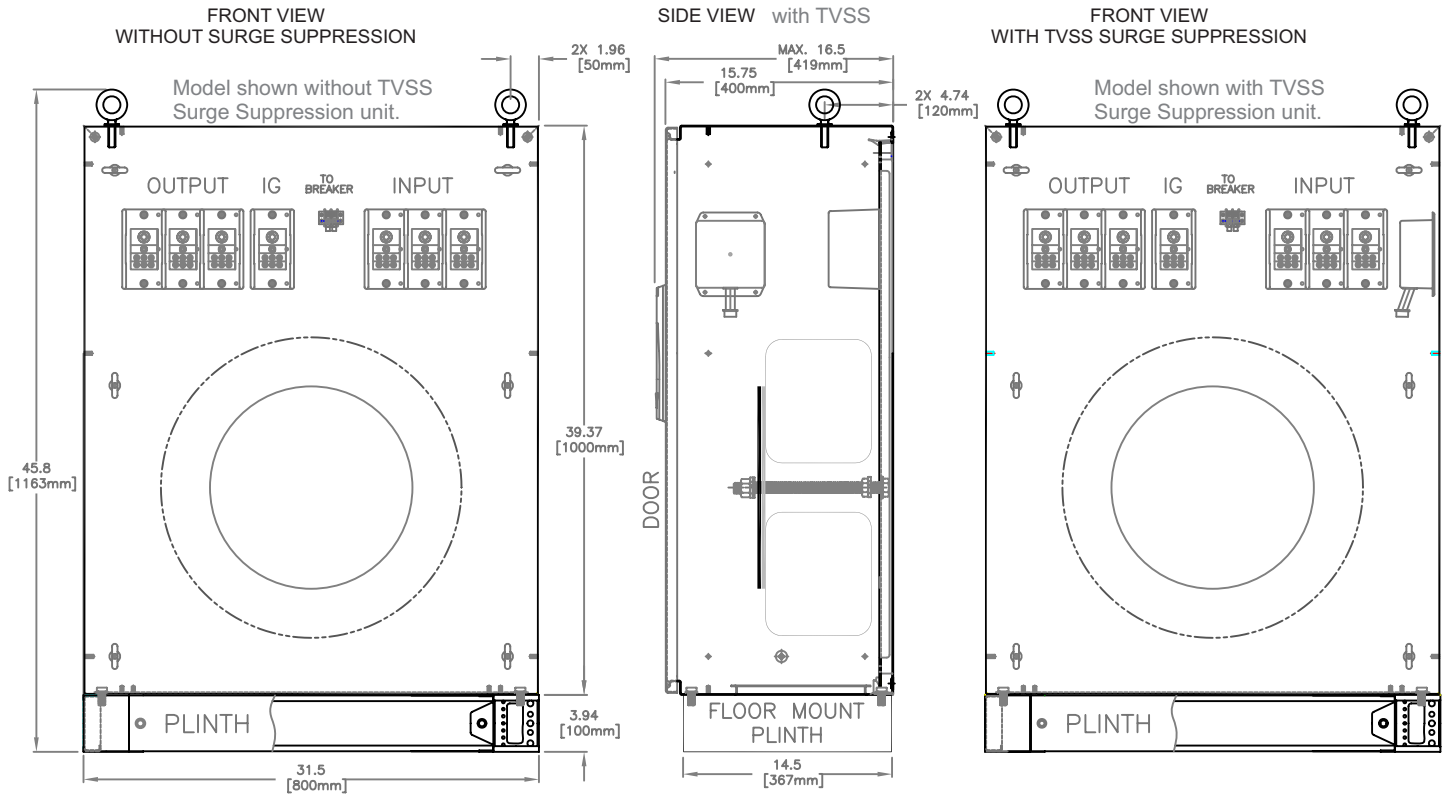
The toroidal transformer operates above 97% efficiency making the Torus Power Isolation Transformer environmentally friendly by minimizing wasted power consumption.

Surge Suppression (optional device)

The Floor Mount Torus Power series is available with a TVSS device built in to its signal path. This UL certified Panel TVSS has a sub-nanosecond response time and manages surges beyond 20,000 Amps. The TVSS also offers additional noise filtration of EMI and RFI (40dB typical).



25kVA & 35kVA Torus Power Isolation Transformer Enclosure



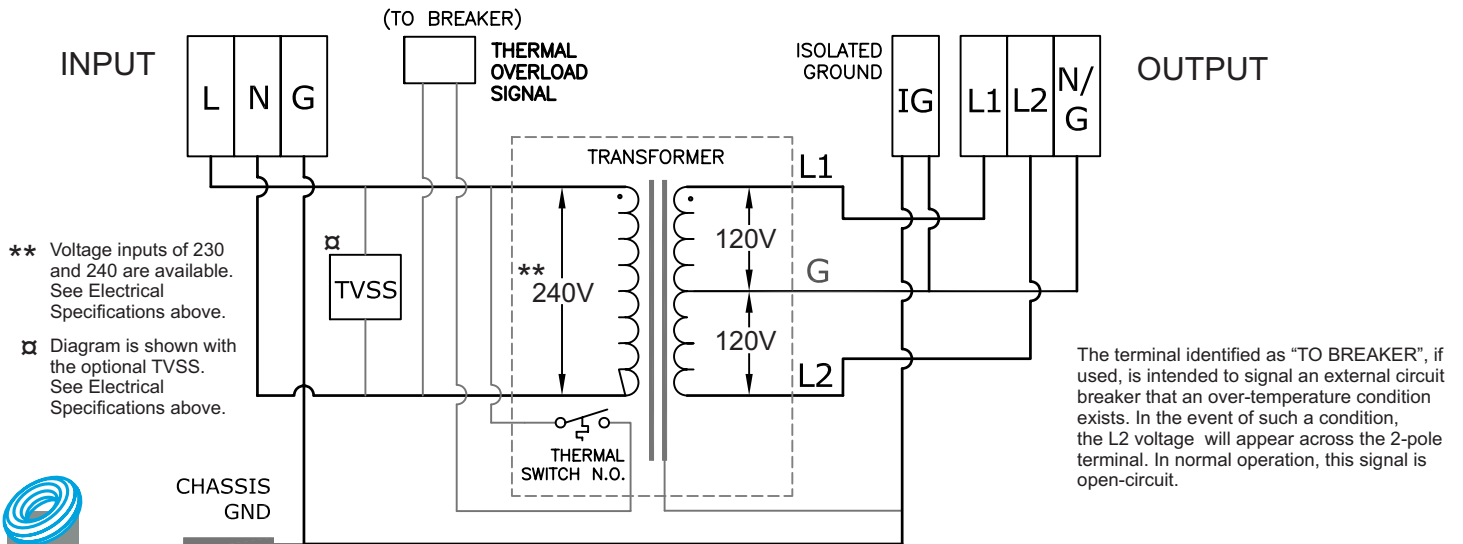
Electrical/Mechanical Specifications

Model Number	Input Voltage	Output Current	Output Voltage	Output Power	Surge Suppression	Weight	Size (w x d x h)
FM-11236-00	230VAC, 50/60Hz	* 145A	2 x 120V	35,000VA		724 lbs.	31.5 x 15.75 x 45.8 inch
FM-11465-00	240VAC, 50/60Hz					329 kg	800 x 400 x 1163 mm
FM-11400-00	230VAC, 50/60Hz	* 100A	2 x 120V	25,000VA		612 lbs.	31.5 x 15.75 x 45.8 inch
FM-11437-00	240VAC, 50/60Hz					278 kg	800 x 400 x 1163 mm
FM-11586-00	230VAC, 50/60Hz	* 145A	2 x 120V	35,000VA	✓	730 lbs.	31.5 x 15.75 x 45.8 inch
FM-11587-00	240VAC, 50/60Hz				✓	332 kg	800 x 400 x 1163 mm
FM-11588-00	230VAC, 50/60Hz	* 100A	2 x 120V	25,000VA	✓	618 lbs.	31.5 x 15.75 x 45.8 inch
FM-11589-00	240VAC, 50/60Hz				✓	281 kg	800 x 400 x 1163 mm

* Note: Maximum current per output line (L1 or L2)

Note: Height includes PLINTH and eye bolts.

Schematic



** Voltage inputs of 230 and 240 are available. See Electrical Specifications above.

□ Diagram is shown with the optional TVSS. See Electrical Specifications above.

The terminal identified as "TO BREAKER", if used, is intended to signal an external circuit breaker that an over-temperature condition exists. In the event of such a condition, the L2 voltage will appear across the 2-pole terminal. In normal operation, this signal is open-circuit.

