

## MAGNETICS

## POWER TRANSFORMER ASSEMBLY

### Medium Voltage Navy Shipboard



Espey Mfg. designs and manufactures medium voltage dry-type power transformers up to 2.5MVA air-cooled, and 5MVA water-cooled. Espey transformers are used in military, heavy industrial and high reliability applications.

### Features:

- 21kVA, natural convection cooled.
- 450V, single (1) phase, 60Hz
- 3.15kV (+3/-2 x 50V) Output
- 2% Voltage regulation
- Fully Self Protected –  
(Over-Voltage, Over-Current, Over-Temperature)
- 45° drip-proof enclosure

### Qualification:

- MIL-S-901D Shock (Grade A)
- MIL-STD-167 Vibration (Shipboard)
- MIL-STD-740-1 and MIL-STD-740-2 (Airborne and Structure Borne Noise)
- IEEE C57.12.91-1998 Short Circuit Withstand

## Specifications:

### Electrical Specifications

- **Input:**  
Rated Voltage: 440 VAC, 60Hz, 3 PHASE  
(per MIL-STD-1399/300A)  
Rated Frequency: 60Hz
- **Output: (21kVA NOMINAL)**  
Secondary: 3050, 3100, 3150, 3200, 3250, 3300V  
Selectable off-circuit

### Mechanical Specifications

- **Weight:** 830 lbs
- **Construction:** per MIL-T-15108
- **Insulation Class:** U, (200°C)

MIL-T-15108