

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:

- 200kVA, natural convection cooled.
- 450V, 3 phase, 60Hz
- 3.15kV (+3/-2 x 50V) Output
- 2% Voltage regulation at 200kVA, .85pf
- 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: (200kVA NOMINAL)**
Secondary : 3050, 3100, 3150, 3200, 3250,
3300V Selectable off-circuit

Mechanical Specifications

- **Weight:** 4100 lbs
- **Construction:** per MIL-T-15108
- **Insulation Class:** U, (200°C)

Rev. B