



Oil Filled Transformers



We offer oil-filled, 3-phase pad-mounted, distribution, and power substation-type transformers

300kVA - 5MVA (Pad-mounted)

3500kVA - 125MVA (Substation)

- ✓ Manufacturing Facility ISO-9001 Certified
- ✓ Built to IEC and IEEE/ANSI C57 Standards
- ✓ Customized Engineered Options



Stock To
24 Weeks



Startup &
Commissioning
Available



Competitive
Pricing



World Class
Engineering

Our Story



NexE offers power and charging solutions, including transformers, switch panels, EV chargers, EV motors, solar panels, and battery energy storage system solutions.

With a legacy dating back to George Westinghouse, NexE's sister company, **TECO-Westinghouse**, is a long-standing world-leading manufacturer of AC and DC motors, generators, drives, and a wide range of control and power solutions.

NexE and TECO Westinghouse Motor Company are leaders in supplying engineered solutions, aftermarket services, and worldwide product support.

TECO   **Westinghouse**

CONTACT US



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5100 N. IH-35
Round Rock, TX 78681



512-218-7166

Three-Phase Pad-Mounted and Distribution and Power Substation



Common Specifications

| | |
|-----------------------|--|
| TYPE | 3-phase Pad-Mounted Transformer Phase Distribution and Power Substation Transformer |
| FREQUENCY | 50 – 60 Hz |
| RATING | 300 ~ 5000 kVA (Pad-Mounted) 3500 ~ 125000 kVA (Substation) |
| HIGH VOLTAGE | Up to 13.8kV |
| LOW VOLTAGE | 277 ~ 69000 V |
| FLUID COOLING METHODS | Mineral Oil, Natural Ester Oil / FR3, Synthetic Ester Oil Self-cooling, Force Cooling |
| TEMP. RISE | 65°C, 55/65°C, 65/75°C |

Impedance Voltage (%) *

| Rating (kVA) | ≤ 480 V | 2400 ~ 4800 V |
|---------------|------------|---------------|
| 300 ~ 500 | 4.5 - 5.75 | 4.5 - 5.75 |
| 501~2500 | 5.75 | 5.75 |
| 2501~3500 | 5.75 | 6.0 |
| 3501~5000 | 6.0 ~ 7.0 | 6.0 |
| 5001 ~ 125000 | | min.8.0 |

*Reference only

Audible Sound Level Self Cooling

| Rating (kVA) | Decibels (dB) |
|--------------|---------------|
| 300-500 | 56 |
| 501-700 | 57 |
| 701-1000 | 58 |
| 1001-1500 | 60 |
| 1501-2000 | 61 |
| 2001-2500 | 62 |
| 2501-3000 | 63 |
| 3001-4000 | 64 |
| 4001-5000 | 65 |
| 5001-150000 | 67 |

Connections (Pad Mounted or Substation)

- **Delta-Wye:** Low voltage neutral shall be a fully insulated X0 low voltage neutral bushing with removable ground strap.
- **Grounded Wye-Wye:** High voltage neutral shall be internally tied to the low voltage neutral and brought out as the H0-X0 bushing in the secondary compartment with a removable ground strap.
- **Delta-Delta**
- **Wye-Wye:** High voltage neutral shall be brought out as the H0-bushing in the primary compartment and the low voltage neutral shall be brought as the X0- bushing in the secondary compartment.
- **Wye-Delta:** High voltage neutral shall be brought out as the H0-bushing in the primary compartment. No ground strap shall be provided.



Testing (ANSI C57.90)

Routine test

- Resistance measurement
- Ratio
- Polarity and phase relation
- No-load loss and excitation current measurement
- Load loss and impedance
- Operation test of all devices
- Winding insulation measurement
- Low frequency test
- Leak test

Finishing Coatings

- ANSI Munsell 7GY3 Bell Green
- ANSI.61 Light Gray
- Special color paint as per request

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