

Three-Phase Pad-Mounted Transformers

Prolec GE designs and manufactures a complete line of liquid-filled three-phase pad-mounted distribution transformers that meet applicable IEEE standards. These transformers are specifically designed for commercial and residential applications, such as hotels, hospitals, universities, among others. Our transformers are designed for outdoor installation with cabinets meeting IEEE C57.12.34 & C57.12.28 standards. Prolec GE three-phase pad-mounted transformers use aluminum or copper windings and are optimized to maximize efficiency and footprint.



| Standard features | |
|-----------------------|---------------------------------------|
| Rating | Up to 3,750 kVA ONAN. |
| High voltage | Up to 34,500 V Delta or Wye connected |
| HV BIL | Up to 200 kV |
| Low voltage | Up to 1,200 V Delta or Wye connected |
| LV BIL | 60 kV |
| Frequency | 60 Hz |
| General Standard IEEE | IEEE C57.12.34 |
| Temperature rise | 65 °C |
| Cooling class | ONAN |
| CORE | Sillicon steel* |
| Impedance | per IEEE C57.12.34 |
| Altitude | 3,300 FASL |

* 5-legged Core.

OPTIONAL FEATURES

Rating: 3,750 – 5,000 kVA.

- High Voltage:
 - Copper windings.
 - Tap changer with 5 or 7 positions.
 - Radial feed.
 - Live front.
 - Bushing wells + inserts.
 - Tap changer: $\pm 2, 2.5\%$.
 - Integral bushing.
 - Porcelain bushing.
- Low Voltage:
 - Copper windings.
 - Epoxy, 2 pieces bushings up to 12 holes blade.
 - Epoxy, 1 piece bushings up to 12 holes blade.
- Frequency: 50 Hz.
- Temperature rise: 55°C, 55/65°C.
- Cooling class: KNAN.

- Insulating fluid: natural ester fluid (VG-100®).
- Impedance per customer request.
- Electrostatic shield.
- Altitude up to 14,850 FASL.
- Internal switch.
- Bay-O-Net expulsion fuses + current limiting fuses.
- Under-oil internal arresters.
- Stainless steel 409 tank & cabinet.
- Stainless steel 304 tank & cabinet.
- Infrared window.
- Powder paint system & liquid finish. color per customer request.
- Seismic designs IBC certified.
- Operation step-up.
- Amorphous core.



OVERALL TYPICAL DIMENSIONS FOR REFERENCE

| kVA | Height | Width | Depth | Typ Weight (lb) | Typ Gal Oil |
|-------|--------|-------|-------|-----------------|-------------|
| 75 | 66 | 46 | 65 | 2,550 | 136 |
| 112.5 | 66 | 46 | 65 | 2,750 | 145 |
| 150 | 69 | 46 | 66 | 2,900 | 145 |
| 225 | 69 | 50 | 69 | 3,500 | 164 |
| 300 | 69 | 53 | 71 | 3,800 | 171 |
| 500 | 74 | 62 | 70 | 5,950 | 284 |
| 750 | 75 | 72 | 72 | 6,950 | 275 |
| 1,000 | 78 | 75 | 75 | 7,800 | 315 |
| 1,500 | 83 | 80 | 83 | 10,600 | 375 |
| 2,000 | 86 | 85 | 89 | 12,000 | 440 |
| 2,500 | 87 | 88 | 96 | 14,000 | 490 |

For more information:
info@prolec.energy

