

prolec®



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 offering

- Rating:
 - Up to 3,750 kVA ONAN.
- High Voltage:
 - Up to 34,500 V Delta or Wye connected.
 - BIL up to 200 kV.
 - Loop feed.
 - Dead front.
 - Bushing wells.
- Low Voltage:
 - Up to 1,200 V Delta or Wye connected.
 - BIL up to 60 kV.
- Frequency: 60 Hz.
- 5-legged Core.
- Temperature rise: 65°C.
- Cooling class: ONAN.
- Insulating fluid: mineral oil.
- Impedance: per IEEE C57.12.34.
- Altitude: 3,300 FASL.
- Mild steel tank & cabinet.
- Powder paint system; color: green.
Munsell 7GY 3.29/1.5 or ANSI 70.
- Built to all applicable IEEE C57.12.34.
- Operation step-down.
- Windings per Prolec GE standard.
- Silicon steel 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.

Standard voltages

Standard Primary	
Voltage Ratings	Minimum BIL (kV)
Delta or Wye	
2,400	45
4,160	60
4,800	60
7,200	75
7,620	75
12,000	95
12,470	95
13,200	95
13,800	95
16,340	95

Grounded Wye	
4,160 GrdY/2,400	65
12,470 GrdY/7,200	95
13,200 GrdY/7,620	95
13,800 GrdY/7,970	95
22,860 GrdY/13,200	125
23,900 GrdY/13,800	125
24,940 GrdY/14,400	125
34,500 GrdT/19,920	150

Standard ratings

Standard kVA Ratings		
45	225	1,000
75	300	1,500
112.5	500	2,000
150	750	2,500



Prolec GE three-phase pad-mounted transformers are optimized to maximize efficiency and footprint



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

Notes: For kVAs not listed, contact factory.

Dimensions and weights are approximate and subject to change without notice and should not be used for construction purposes.

Standards and certifications available



ecomagination™





LOCATIONS

MEXICO

APODACA

Blvd. Carlos Salinas de Gortari km. 9.25
Apodaca, NL 66600
+52 (81) 8030-2000

USA

SHREVEPORT

7000 W Bert Kouns Industrial Loop
Shreveport, LA 71129
+1 (318) 687-6600

WAUKESHA

400 S Prairie Ave.
Waukesha, WI 53186
+1 (262) 547-0121

GOLDSBORO

2701 US Highway 117 South
Goldsboro, NC 27530
+1 (919) 734-8900

DALLAS

9011 Governors Row
Dallas, TX 75247
+1 (214) 637-4434

BRAZIL

CANOAS

Avenida Guilherme Schell, 11500
Canoas, RS 92.420-820
+55 (51) 3477-8700

For more information:
info@prolec.energy

[prolec.energy](https://www.prolec.energy)

