



THREE-PHASE PADMOUNT

Offered in dead-front or live-front configurations for loop or radial feed applications - our units are constructed with longevity in mind, versatile enough to meet industrial, commercial or utility applications, and can be modified with a variety of options to meet any project needs. While being UL Listed, we also build to other standards such as DOE Efficiency, NEMA, ANSI, FMRC, NEMA TR1, and IEEE (when applicable).



Standard Features

- 60 Hz operation (50 Hz available by request)
- 65°C average winding rise, ONAN cooling
- Dead-front or live-front high-voltage compartment
- Radial-feed or loop-feed configurations
- 5-legged core with copper or aluminum windings
- Tank welded from cover to base; ANSI ground pads
- Two-position or four-position load-break switching
- No-load tap changer, typically $\pm 2 \times 2.5\%$ steps
- Drain/sample valve, pressure-relief device, and liquid gauges
- Three-point latching low-voltage door; high-voltage compartment interlocked behind it

Available Ratings

kVA Range	45 – 5,000 (common: 45, 75, 112.5, 150, 225, 300, 500, 750, 1000, 1500, 2000, 2500, 3000, 3750, 5000)
Frequency	60 Hz (standard) / 50 Hz (optional)
Cooling	ONAN (standard) / KNAN (optional)
Temp Rise	55°C, 65°C, 55 / 65°C, 75°C
Voltages	Δ or Y configuration
HV BIL	45 – 150 kV dead front; up to 200 kV live front
LV BIL	30 – 60 kV
600V	208, 240, 416, 480, 600
2.5kV - 5kV	2400, 4160, 4800
15kV	12000, 12470, 13200, 13800, 14400
25kV	20780, 21600, 22900, 24940, 26400
35kV	33000, 34500

Optional Features

- 55°C or 55/65°C dual winding-rise ratings
- High-fire-point fluids: natural ester, silicone, or hydrocarbon
- Stainless-steel tank and cabinet construction
- Internal oil switch (radial or loop) and under-oil arresters
- Bayonet, current-limiting, or dry-well fusing options
- Electrostatic shielding / K-factor design for harmonic loads
- Step-up configuration for generation or solar interconnection
- Seismic-qualified anchoring (Zone III/IV or IBC certification)
- Low-voltage molded-case circuit breaker
- Custom paint colors and infrared inspection windows
- Elevated-altitude and special-environment design

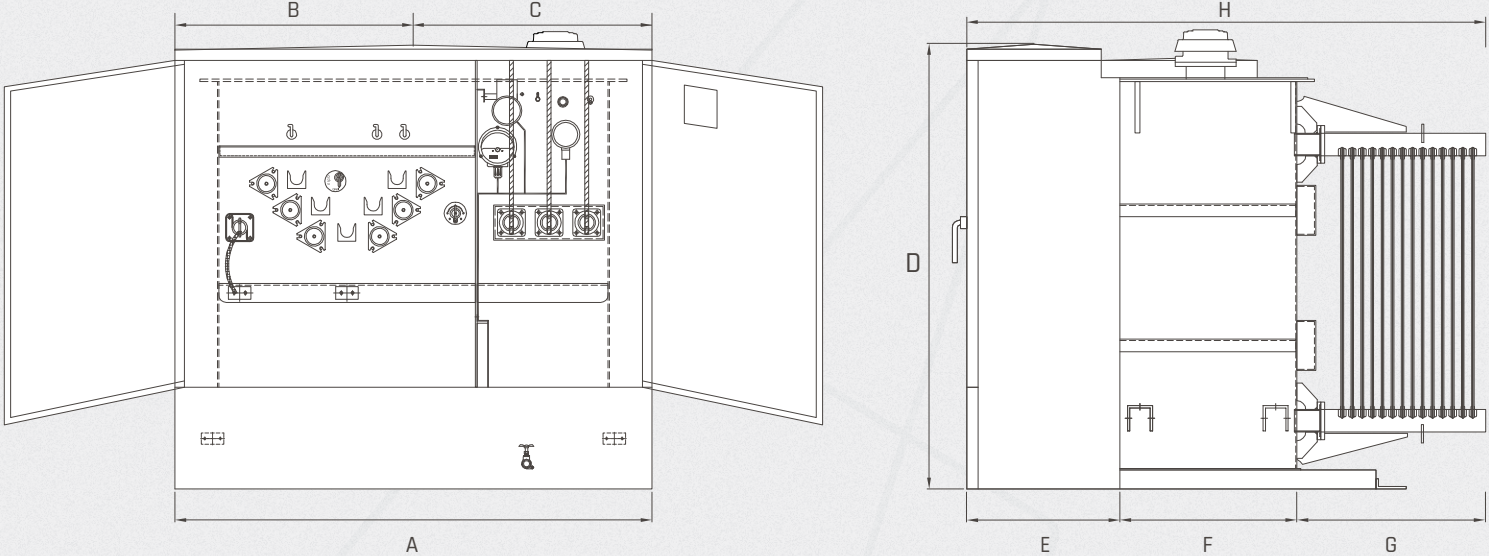
Switching & Protection

- 2- / 4-position loadbreak switches (V-blade or T-blade)
- Triple single-phase, two-position switch arrangement
- Bay-O-Net expulsion fuses with isolation links
- Full- / partial-range current-limiting fuses, oil-immersed
- Non-loadbreak and loadbreak dry-well fuseholders
- Internal oil switch, radial or loop arrangement
- Under-oil internal surge arresters
- Low-voltage molded-case circuit breaker

Factory Testing

- Winding resistance measurements
- Turns-ratio verification at rated and tap voltages
- Polarity and phase-relationship checks
- No-load loss and excitation current
- Load loss and impedance
- Applied-voltage (hi-pot) and induced-voltage tests
- Full-wave lightning-impulse test
- Tank mechanical leak / pressure test

Representative Dimensions / Weight



kVA	A	B	C	D	E	F	G	H	Gallons	Est. Weight*
300	66"	36"	34"	70"	24"	29"	4"	57"	240	5,560
500	68"	36"	34"	70"	24"	33"	5"	62"	290	6,520
750	70"	38.5"	36.5"	75"	24"	34"	10"	68"	315	7,730
1000	70"	38.5"	36.5"	75"	24"	36"	10"	70"	365	8,715
1500	73"	42"	40"	82"	24"	37"	10"	71"	440	11,335
2000	77"	42"	40"	82"	24"	38"	22.5"	84.5"	425	13,230
2500	81"	42"	40"	82"	24"	42"	17"	83"	525	15,725
3000	75"	42"	40"	82"	24"	35"	43"	102"	515	13,735
3750	84"	42"	40"	82"	24"	35"	47"	106"	540	15,990
5000	81"	43"	40"	83"	30"	36"	57"	123"	650	19,980

* in pounds

Common Accessories / Options

