

WHAT WE OFFER

What Virginia Transformer Corp. Does

At Virginia Transformer, we provide custom-built transformers tailored to meet your specific needs. Our reputation as the leading power transformer manufacturer stems from our expertise in exceeding demanding system requirements, including spatial constraints, voltage configurations, and environmental challenges.

Providing high-quality, reliable units starts with our engineering strength. Our team boasts more than 20,000 designs to provide built-to-spec transformers for every application. Our application and sales engineers review the technical specifications and determine the optimal solution. From there, our electrical, mechanical, and control design engineers utilize cutting-edge tools to provide drawing packages with the shortest lead times, settings us apart as the top solution-oriented transformer manufacturer.

Market Representation

At Virginia Transformer, we use a network of knowledgeable independent manufacturer representatives to enhance our customer service experience. These representatives augment our team of sales engineers and application engineers to deliver the ideal solution for each client's specific application.

PRODUCT RANGE

UTILITIES

INDUSTRIAL

OIL & GAS

ELECTRIC VEHICLE

SOLAR

WIND

DATA CENTER

HYDROGEN ECONOMY



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E2X transformers are the industry's leading and most reliable pad-mount from Virginia Transformer Corp. E2X refers to moving energy for virtually any market application.

SHORTEST LEAD TIME IN THE INDUSTRY FOR E2X PAD MOUNT

750 kVA to 7,000 kVA



RELIABLE TRANSFORMERS



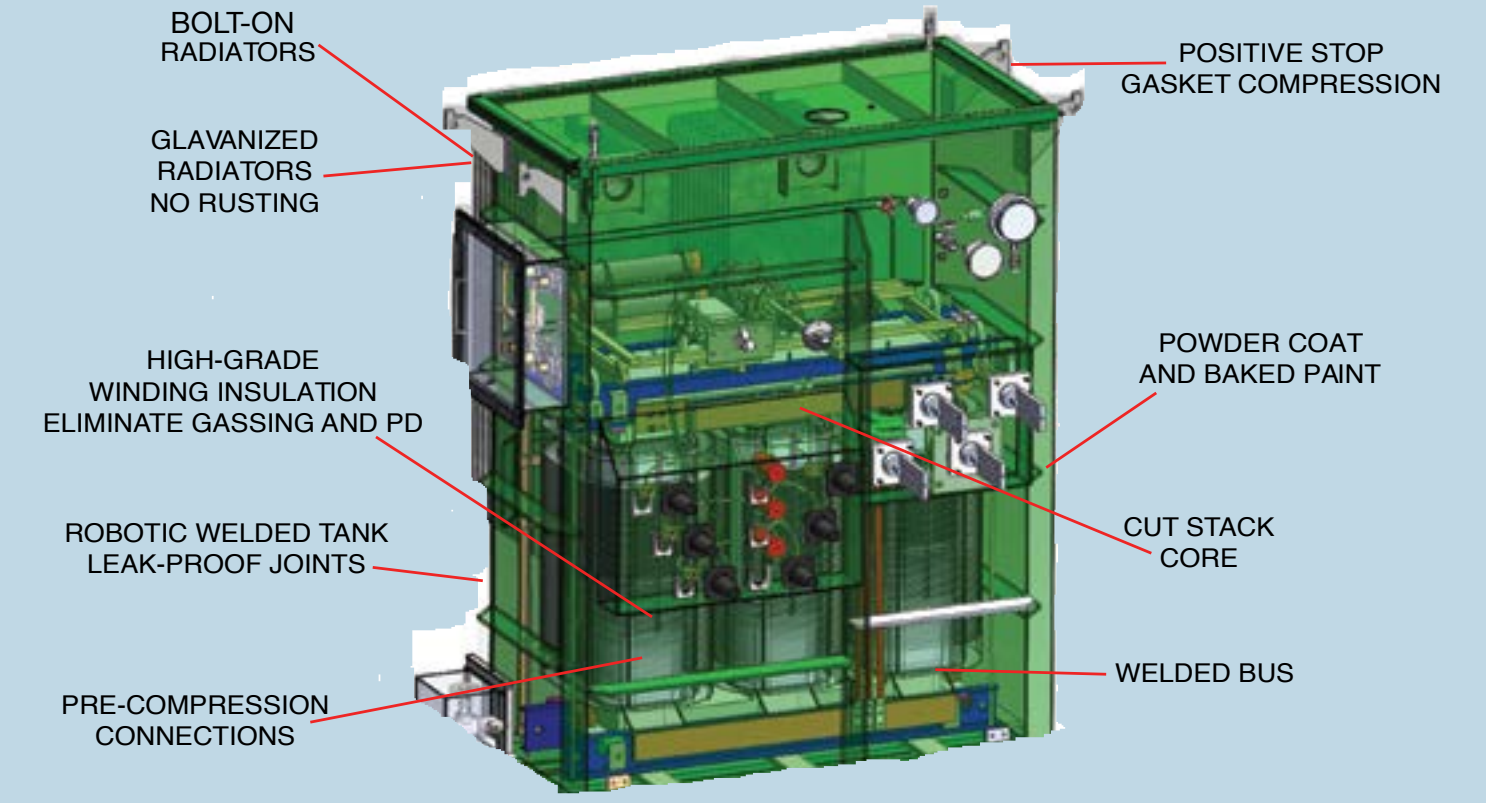
E2X
PAD-MOUNT TRANSFORMER



vatransformer.com

VTC-GTC E2X 11-2023

E2X PAD-MOUNT TRANSFORMERS



Standard Characteristics

Standard characteristics of E2X pad-mount Transformers are as follows:

- 65°C average winding rise
- Three-legged, step-lap mitered core
- Rectangular coils
- Aluminum Windings
- 60 Hz standard, optional 50 Hz
- Transformer tanks are pressure-tested to withstand 7 psig without permanent distortion and 15 psig without rupture.
- Paint: Powder coat baked epoxy - Munsell green (other colors available)
- Available Ratings; 750KVA – 3750 KVA
- Available HV Voltage Ratings : 4160V - 34,500 Volts
- LV Voltage: Up to 690 V
- BIL /Impedance Ratings : As per IEEE Standards
- R-line Transformers are NOT UL certified.

E2X offering includes

- Hinged and lift-off type with 120° holding bars
- Stainless steel door hinges
- Steel HV/LV compartment barrier
- Padlocking facility with one penta-head bolt on the LV compartment door and two penta-head bolts on the HV compartment door, including 3 point latching mechanism
- HV connection: Dead front – external clamped and removable HV bushings well for load break inserts
- LV connection: Externally clamped polymer LV bushings with NEMA 10-hole spades
- Parking stands for HV dead front terminals
- Nameplate per ANSI requirement
- Pressure relief Valve
- Oil fill plug : 1” drain valve with sampler for 750 kVA and above
- Removable LV neutral ground strap; as required.
- Cooling Radiators hot dipped galvanized unpainted, bolt-on type (without isolation valves)
- NEMA tank ground pads 2-holes
- Four (4) lifting lugs
- Jacking pads
- Liquid level gauge
- Liquid temperature gauge
- Pressure vacuum gauge

Voltage Class	DOE or Non DOE	Base KVA	OVERALL DIMENSIONS W" X D" X H"	CONCRETE PAD DIMENSIONS W" X D"	BASE DIMENSIONS W" X D"	WEIGHT
Up to 34.5 kV Class	Non-DOE	1000	86 X 101 X 84	83 X 72	68 X 31"	12,700 lbs
		1500	86 x 108 x 85	83 x 74	69 x 33"	14,100 lbs
		2000	89 x 114 x 90	86 x 73	74 x 32"	17,700 lbs
		2500	94 x 124 x 94	88 x 78	76 x 34"	20,000 lbs
		3000	105 x 132 x 105	90 x 86	78 x 35"	23,500 lbs
	DOE	5000	120 x 135 x 115	97 x 91	91 x 45"	34,500 lbs
		1000	88 x 105 x 84	92 x 81	70 x 33"	15,500 lbs
		1500	90 x 108 x 86	102 x 82	71 x 34"	16,500 lbs
		2000	94 x 120 x 95	105 x 84	74 x 36"	18,500 lbs
		2500	96 x 126 x 110	106 x 86	76 x 38"	22,100 lbs
Up to 15kV Class	Non-DOE	1000	83 x 100 x 84	80 x 70	66 x 30"	12,000 lbs
		1500	85 x 108 x 85	82 x 74	68 x 33"	14,000 lbs
		2000	86 x 110 x 90	84 x 74	70 x 33"	16,000 lbs
		2500	94 x 122 x 94	86 x 78	75 x 34"	19,000 lbs
		3000	100 x 120 x 102	89 x 78	75 x 34"	20,000 lbs
	DOE	5000	118 x 130 x 110	94 x 89	90 x 43"	33,500 lbs
		1000	85 x 102 x 84	90 x 73	68 x 32"	14,500 lbs
		1500	87 x 106 x 86	100 x 81	70 x 33"	15,000 lbs
		2000	92 x 118 x 93	103 x 83	73 x 35"	18,000 lbs
		2500	95 x 120 x 106	105 x 85	74 x 37"	21,500 lbs

Standard Features

Standard features of E2X Transformers are detailed below.

- Weld-on cabinet with sill having the following depths:
- 6" deep for 750 kVA through 2500 kVA (95 KV BIL and less)
 - 18" deep for 2000 kVA through 2500 kVA (125 KV BIL)
 - 21" deep for 2000 kVA through 3750 kVA (150 KV BIL)

