

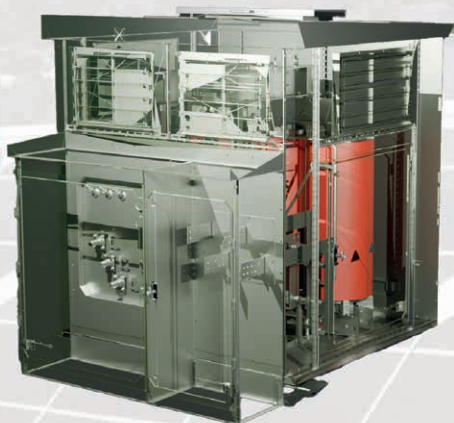
TMC DryPadMount Series

world of transformers

The DryPadMount Series from TMC Transformers is an excellent alternative to traditional oil filled padmounted transformers: the active parts of the dry transformer are ambient air cooled while switches and/or fuses are oil immersed.

DRY TYPE AND LIQUID FILLED TRANSFORMER

- Requires roughly 1/5 the volume of traditional oil filled transformers.
- Suitable for FR3 or mineral oil (TMC recommends FR3).
- Containment system size is significantly reduced and provided with the enclosure.
- Functionally equivalent to oil filled transformers.
- Similar footprint.



SAFER, LOWER MAINTENANCE AND OVERALL COST OF INSTALLATION

- Longer oil life expectancy due to minimal heat exposure inside the tank.
- Easy to visually inspect and conduct routine maintenance of the core, coil, and bus of the transformer.
- Oil is not in direct contact with cast resin active parts of the dry type transformer (self-extinguishing and easy replaceable).
- Less oil - lower TCO (Total Cost of Ownership).

FULLY PROTECTED

- Loop Feed or Radial Feed available.
- 4-pos Loadbreak Switch or 2-Pos Loadbreak Switch available.
- Current Limiting Fuses.
- Bay-o-Net Fuses.
- Off-Load 5 Position Tap Changer.
- Suitable for indoor or outdoor installation.

STANDARDS AND CERTIFICATIONS



UL Listed



IEEE / CSA



DoE 2016



STANDARD CHARACTERISTICS

- 115°C average winding rise
- Three-legged, step-lap mitered core
- Circular coils (higher withstand capabilities to short circuit stresses)
- Aluminum or Copper Windings (copper windings increase the weight by an estimated 10% to 20%)
- 60 Hz standard, optional 50 Hz
- Paint: Powder coating - Munsell green (other colors available)
- Available Ratings; 500KVA – 5000 KVA
- Available HV Voltage Ratings : between 4160V and 34,500 Volts
- LV Voltage: Up to 1200 V
- BIL, impedance ratings and efficiency as per IEEE/CSA Standards

	Rating kVA	Overall dimensions WxDxH [in/mm]	Concrete pad dimensions WxD [in/mm]	Base dimension WxD [in/mm]	Weight [lbs/kg]
Up to 15 kV (95kV BIL)	1000	97 x 109 x 89 2450 x 2750 x 2250	90 x 79 2290 x 2010	68 x 32 1730 x 820	9400 / 4260
	1500	101 x 111 x 99 2550 x 2800 x 2500	100 x 81 2540 x 2060	70 x 32 1780 x 820	10700 / 4850
	2000	105 x 113 x 103 2650 x 2850 x 2600	103 x 83 2620 x 2110	73 x 42 1860 x 1070	13700 / 6210
	2500	109 x 115 x 105 2750 x 2900 x 2650	105 x 85 2670 x 2160	74 x 42 1880 x 1070	15500 / 7030
	3000	117 x 117 x 113 2950 x 2950 x 2850	107 x 87 2720 x 2210	77 x 42 1960 x 1070	17600 / 7980
	3750	123 x 119 x 115 3100 x 3000 x 2900	113 x 89 2880 x 2270	83 x 51 2110 x 1300	20600 / 9340
	5000	132 x 123 x 121 3350 x 3100 x 3050	122 x 93 3100 x 2370	92 x 51 2340 x 1300	24400 / 11070
Up to 34,5kV (150kV BIL)	1000	103 x 113 x 95 2600 x 2850 x 2400	93 x 81 2370 x 2060	70 x 32 1780 x 820	9800 / 4450
	1500	107 x 113 x 107 2700 x 2850 x 2700	102 x 81 2600 x 2060	71 x 32 1810 x 820	12600 / 5720
	2000	117 x 117 x 109 2950 x 2950 x 2750	105 x 84 2670 x 2140	74 x 42 1880 x 1070	15600 / 7080
	2500	117 x 117 x 115 2950 x 2950 x 2900	106 x 86 2700 x 2190	76 x 42 1940 x 1070	17100 / 7760
	3000	121 x 119 x 119 3050 x 3000 x 3000	110 x 89 2800 x 2270	80 x 42 2040 x 1070	18800 / 8530
	3750	128 x 121 x 121 3250 x 3050 x 3050	117 x 91 2980 x 2320	87 x 51 2210 x 1300	22400 / 10160
	5000	136 x 123 x 126 3450 x 3100 x 3200	125 x 93 3180 x 2370	95 x 51 2420 x 1300	27600 / 12520

Dimensions and weights are approximate. We reserve the right to make changes to the above data.