

*We can do that!*

## General Purpose Medium Voltage Transformers (601 to 15,000V)

- 15kVA to 750kVA
- Single or Three Phase
- Aluminum or Copper
- Voltages to 15,000V
- 50 or 60 Hertz
- BIL ratings thru 95kV
- Temperature Rises:  
80°C, 115°C, 150°C



## Skillfully Designed for Over 50 Years

Improvements over time in dry type transformer insulation systems and enclosure integrity have resulted in dry type transformers being suitable for use in applications once thought only to be for their liquid filled counterparts. Dry type transformers excel in certain applications such as indoor locations where liquid containment or fireproof vault requirements would need to be used with a liquid filled transformer. Weight and liquid spill restricted applications such as rooftop or dock installations can also be addressed using a dry type transformer.

Olsun Electric meets these special application requirements utilizing the most advanced and superior materials in our medium voltage transformer construction. The outcome is expectation surpassing performance, application reliability and transformer life longevity.

Each transformer is skillfully designed utilizing over 50 years of engineering experience and design optimization checks, drawing on accumulated test data (i.e. temperature, dielectric, impulse) to validate current designs. The resulting product has excellent thermal characteristics meaning minimum hotspots, resilience to overload conditions and some of the longest life expectancy in the industry. All products are designed, manufactured and tested right here in the United States and in accordance with the latest applicable UL, cUL, NEMA, ANSI and IEEE standards.



**Engineered and Assembled in Richmond, IL USA**



Medium Voltage Through 5 KV 600 Volt Class Secondary –3 Phase

KVA	H	W	D	Appx. Weight
30	42	36	24	550
45	42	36	24	650
75	42	36	24	950
112.5	48	48	30	1350
150	48	48	30	1450
225	48	48	30	1650
300	60	56	36	2100
500	60	56	36	2700
750	72	70	44	4300

Medium Voltage Through 15 KV 600 Volt Class Secondary –3 Phase

KVA	H	W	D	Appx. Weight
30	60	56	36	1000
45	60	56	36	1350
75	60	56	36	1500
112.5	60	56	36	2100
150	60	56	36	2300
225	60	56	36	2500
300	72	70	44	3100
500	72	70	44	4200

## 3 Phase Medium Voltage Primary 600 Volt Class Secondary Features

- Aluminum coil winding conductors
- Coil construction to minimize short circuit stresses
- Vacuum Process Impregnated coils
- 150°C temperature rise using 220°C Class R insulation system
- Highest quality grain oriented electrical grade core steel
- Efficiencies to latest/current industry standard
- Core and coil noise isolation pad construction for sound levels per NEMA ST-20
- ANSI 61 gray, eight stage enclosure paint process with electrostatically applied TGIC polyester powder coat
- NEMA 1 enclosure
- Designed, Manufactured and Tested in the United States

## Optional Features

- Copper windings
- 115°C, 80°C or other temperature rise values
- Non-standard maximum ambient temperature values
- Compartmentalized, utility style high security pad mounted construction
- Substation style enclosure arrangement for close coupling to gear
- Stainless Steel enclosures (Standard 316 grade. 304 grade available)
- Enclosure Paint Color matching
- Single, double or triple Electrostatic shield
- K Factor ratings
- Multi-pulse (6, 12, 18, etc.) rectifier designs
- Step-up application designs
- Fan cooling
- Surge arresters
- Special fusing, breakers or switches

**Transforming the Industry with:  
Handcrafted Quality • Sophisticated Designs • Superior Materials • Olsun Flexibility**

Olsun Electrics is a leading dry type transformer manufacturing company that has been providing solutions in the most challenging environments for over five decades.