



# Specification Sheet

## 600V Class Three Phase Energy Efficient K-Factor Transformer

### HPS Synergy®

- Phase** Available in three phase
- Winding Material** Available in aluminum and copper
- Rating** Three phase ratings from 15 to 1500kVA
- Voltage** 2 standard three phase voltage groups available at k-factor ratings of K4, K13 and K20
- Frequency** 60 Hertz
- Insulation System** 220°C (150°C rise) insulation system/200°C (130°C rise) insulation system
- Core** High grade non-aging, fully processed silicon steel laminations or better
- Coil** Copper or aluminum windings, with terminations brazed, welded or bolted
- Termination** Front accessible separate grounding, separate high and low voltage terminations with either lugs or pads.
- Enclosure** Heavy Duty Ventilated Type 3R in ANSI 61 Grey painted finish.
- Mounting** Floor mounting for all units and wall mounting for units under 750 Lbs.
- Warranty** 10 year

### Approvals and Standards



CSA Certified, UL Listed

Seismically certified in accordance with IBC 2009; Section 1613 Earthquake Loads, for SDS  $\leq 2.00g$ ,  $z/h = 1.0$ , and  $I_p = 1.5$

### Features and Benefits

Meets efficiency levels in accordance with U.S. DOE 10 CFR Part 431(TP1) and Canadian CSA C802.2 as referenced SOR/94-651 at 35% of rated load.

Efficiencies, no-load losses, load losses and impedance values will be calculated at temperature reference of 75°C at Unity Power Factor (UPF).

### Options

Custom sizes, ratings and styles available upon request

Double or Triple Electrostatic Shielding

Copper or Aluminum Coils

Low Temperature Rise.

Low Sound -3 dB, -5 dB, -8 dB available

Enclosures: Type 4, Type 4X, Type 12, and others available

Vibration Isolators

Wall/Ceiling Mounting brackets and drip plates.

Data subject to change without notice. Please visit [www.hammondpowersolutions.com](http://www.hammondpowersolutions.com) for the most current data.