



Specification Sheet



600V Class Three Phase NEMA Premium Energy Efficient K-Factor Transformer

HPS SuperSynergy®

- Phase** Available in three phase
- Winding Material** Available in aluminum and copper
- Rating** Three phase ratings from 15 to 1500 kVA
- 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

Efficiency performance meets NEMA Premium guidelines, average 30% lower losses than U.S. DOE 10 CFR Part 431(TP1) and Canadian CSA C802.2 as referenced SOR/94-651 at 35% of rated load.

Efficiencies and load losses will be calculated at temperature reference of 75°C at Unity Power Factor (UPF).

60 dB Common Mode electrical noise attenuation

10 dB Transverse Mode electrical noise attenuation

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 for the most current data.