



HARMONICS LIMITED
The GreenWay to Sustained Energy Savings
by **Jefferson Electric**

Meet TransMax[®], the only energy-saving transformer designed for the digital age.

TransMax combines a premium efficiency transformer with passive harmonic suppression—boosting distribution system capacity while saving thousands in energy costs year after year.

Now, build efficiency and sustainability into your facility right from the start. Only TransMax combines an energy efficient

DOE-2016 transformer with today's most effective harmonic suppression technology—one that totally



eliminates the harmful 3rd harmonic currents caused by the computers, servers and sensitive loads that draw power from the distribution system.

Third-harmonic currents waste usable energy, shrink system capacity and send energy bills soaring. Plus, they needlessly increase construction costs, by forcing engineers to specify double neutrals, along with oversized wires, conduits and switchgear.

With TransMax, damaging 3rd-harmonic currents are totally eliminated from within the entire distribution system (including the transformer) and—from every wire, every conduit, and every piece of switchgear.

No “harmonic cancelling” or “zig-zag” transformer can make that claim. Why? Because every TransMax has a patented Harmonic Suppression System[®] from Harmonics Limited built right in, a technology that actually prevents 3rd-harmonic currents from forming anywhere in the entire distribution system.

Your system is free from 3rd-harmonic currents, and your savings begin immediately—from lower construction costs that result from “right-sizing” your system, to boosted system load capacity, to lower energy bills year after year.

Get Premium Efficiency with TransMax[®].

When you need premium energy efficiency and maximum load capacity, turn to TransMax, which combines a DOE-2016 high efficiency transformer (the highest-efficiency dry-type, three-phase ventilated transformer on the market today) with HL's patented Harmonic Suppression System. You get:

- **A 15-32% energy boost** over NEMA TP-1 efficiency levels, plus no-load loss improvement between 500-700 W/h;
- **An 8% reduction in annual energy costs**, and sustaining energy savings over the life of the system;
- **Reduced service calls**, with maintenance-free system reliability;
- **Sustainable efficiency**, with a patented solution that can pay for itself in as few as 18 – 36 months, even as energy costs rise.

TransMax represents the right choice for facilities seeking LEED[®] credits or sustainable design certification, 24/7 maintenance-free performance and maximum efficiency. For more information, contact your Harmonics Limited sales representative.

How can TransMax help you start saving right away? Take a look:

- Construction costs decline, with a “right-sized” distribution system that handles more loads—and renders more expensive, “oversized” transformers and conduits obsolete;
- Energy bills drop as much as 8%, with reduced waste and cooling expense;
- Expensive service calls decline, with better system reliability;
- Sustainable efficiency grows, with a patented solution that pays for itself.



Get the the options you want for maximum performance

For over 15 years, Harmonics Limited has been increasing energy efficiency with TransMax and other leading-edge Harmonic Suppression Systems. We've helped thousands of facilities save money, boost reliability, and earn credit for their improved energy performance, and meet the requirements of legislated efficiency mandates like E-013423 and EISA 2007.

Harmonics Limited – The Leader in Harmonic Suppression Technology

TransMax can be specified for any application. Whether you need a UL/NEMA 3 enclosure or a low-inrush transformer--or even a panel meter that monitors neutral current--your TransMax can be custom-built to meet your facility's needs. Contact your Harmonics Limited sales representative for more information.

Ready to save with TransMax?
Visit www.HarmonicsLimited.com
or call 1 (800) 892-3755 to speak with
a TransMax sales representative today.

Right now, TransMax is helping facilities like these boost efficiency and save money.

- Schools, Colleges & Universities
- Hospitals & Health Care
- Media & Entertainment
- Financial Services & Banking
- Gaming & Casinos
- Data Centers & High Tech
- Commercial Real Estate
- Government

To learn how TransMax can help you, contact your Harmonics Limited sales representative today.

TransMax Specifications

Feature	TransMax
Available Sizes	15kVA to 500 kVA
Enclosure	Steel enclosure with ANSI-61 grey paint
Enclosure Type	UL/NEMA Type 1 TP-1-2002
Transformer	DOE -2016
Configuration	Delta Primary, Wye Secondary
Winding Material	Copper or Aluminum
Temperature Rise	115°C or 80° C
Insulation Class	220° C

The Harmonics Guarantee

Harmonics Limited products are warranted to be free from defects in materials and workmanship under normal use and service for a period of five years from the date of purchase. Our products are UL certified. We are proud members of the U.S. Green Building Council. www.usgbc.org.



HARMONICS LIMITED
The GreenWay to Sustained Energy Savings
by Jefferson Electric



phone: 1 (800) 892-3755 | email: CustomerService@HarmonicsLimited.com
web: www.HarmonicsLimited.com