

# HARMONIC SUPPRESSION & TRANSFORMER

## TransMax™

**Energy-saving transformer designed for the digital age**

### Product

Third-harmonic currents waste energy and shrink usable system capacity and send energy bills soaring. 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 canceling” or “zig-zag” transformer can make that claim.

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.

### Applications

- Facilities that contain a large number of electronic devices such as computers, office equipment, telecommunications, displays and similar equipment
- Older buildings where the neutral wire could be downsized since it was not considered a current-carrying conductor.
- Medical facilities including hospitals
- Call, data and technology centers
- Government, office and any commercial buildings
- Schools, colleges and universities

### Specifications

- Transformer meets DOE-2016 Standard for energy efficiency
- 480V Primary, 208Y/120V Secondary
- 60 Hz
- 15 – 500 kVA range
- Copper windings
- 115°C temperature rise
- 220°C insulation class
- NEMA 3R enclosure for indoor or outdoor use
- Heat-cured ASA-61 gray powder coating finish
- Cores of high quality electrical steel
- UL / cUL Rated



### Features, Functions, Benefits

- Space saving design for easy handling and installation
- Facilities save money, boost reliability, and earn LEED® credits or sustainable design certification
- Meet the requirements of legislated efficiency mandates like E-013423 and EISA 2007
- Up to 10% energy boost over NEMA TP-1 efficiency levels, plus no-load loss improvement between 500-700 W/h
- Up to 7% 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

### Options and Accessories

Consult factory for more information

- 208V Primary
- 50 Hz
- Aluminum windings
- 150°C, 80°C temperature rise
- Dual electrostatic shield
- Other sizes, voltages and temperature rises available



**The Green Way to Sustained Energy Savings**

# HARMONIC SUPPRESSION & TRANSFORMER

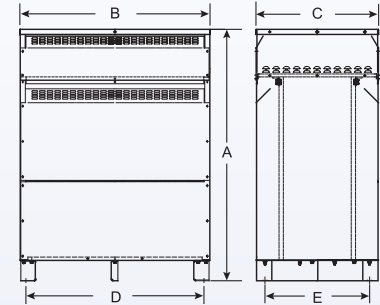
## TransMax™

Three Phase • Harmonic Suppression System + Transformer • Copper Windings  
115°C Temperature Rise • Electrostatic Shields • NEMA1 Enclosures

480V Delta — 208Y/120V • Taps: 2@2.5% FCAN, 2@2.5% FBCN, DOE-2016 compliant

kVA	Amp Rating	Catalog Number	Model	Enclosure Figure	Height (A) inches	Width (B) inches	Depth (C) inches	Est Ship Wgt
30	83	423-4900-130	HLTM030	32	46	24	18	500
45	125	423-4900-131	HLTM045	32	46	24	18	570
75	208	423-4900-132	HLTM075	32	55	28	23	900
112	311	423-4900-133	HLTM112	32	63	28	23	1,200
150	416	423-4900-134	HLTM150	32	63	28	23	1,350
225	625	423-4900-135	HLTM225	32	71	35	30	2,150
300	833	423-4900-136	HLTM300	32	71	35	30	2,475
400	1,108	423-4900-137	HLTM400	32	74	56	36	3,290
500	1,388	423-4900-138	HLTM500	32	74	56	36	4,100

Figure 32



Housing dimensions subject to change without notice. Consult website or factory where dimensions are critical.  
For further information, contact an Application Engineer at 800-892-3755, [technical\\_services@jeffersonelectric.com](mailto:technical_services@jeffersonelectric.com)

## Standards

- Meets DOE 2016 standard Part 431, Subpart K for energy efficiency
- Built in accordance with NEMA, ANSI and CSA standards
- UL and cUL Listed

## Approvals



## 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](http://www.usgbc.org).