The Green Way to Sustained Energy Savings

**SysteMax™**

*Add harmonic suppression to update systems for modern uses*

**Product**

Third-harmonic currents waste energy, shrink usable system capacity and send energy bills soaring. Retrofitting a building electrical system with appropriate transformer, switchgear, wiring and conduit can be prohibitively expensive. Fortunately, SysteMax™ presents an easy and affordable solution to this problem.

Eliminating harmonic currents in a distribution system helps increase both electrical system capacity and power factor. This translates into meaningful energy savings and more usable current to power more devices.

- Since harmonic currents are not produced, there is no need to oversize transformers or switchgear, and double neutrals are not required.
- Removing 3rd harmonic current in the transformer results in lower operating temperatures.
- More useful power is available to power more devices and transformers can be loaded to rated capacities with no danger of overheating.

**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
- Gaming and casinos
- Call, data and technology centers
- Government, office and any commercial buildings
- Schools, colleges and universities

**Specifications**

- 30 – 1,000 kVA range
- UL / NEMA 1 enclosure for indoor or outdoor use
- Heat-cured ASA-61 gray powder coating finish
- 3-phase, 4-wire Wye electrical system
- -20°C to 40°C ambient range

**Features, Functions, Benefits**

- Removing 3rd harmonic current reduces I^2R losses saving up to 7% of wasted energy.
- Suppressing harmonic currents increases the amount of usable capacity without increasing the size of the electrical system.
- Eliminates a major source of heat, circulating harmonic current, so transformers run cooler reducing air conditioning costs.
- Low installation costs
- Reduced energy consumption
- Longer equipment life
- Sustainable efficiency, with a patented solution that can pay for itself in as few as 18 – 36 months, even as energy costs rise

**Standards**

- Built in accordance with NEMA, ANSI, UL and CSA standards
- UL and CSA Listed

**Approvals**

![UL]![UL]![CSA]
**SysteMax™**

Three Phase • Harmonic Suppression System • NEMA1 Enclosures

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Call for exact dimensions if critical.

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

**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.