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# **PERFORMANCE GUARANTEE**

## **Performance Guarantee:**

**GRIDHAWK® Harmonic Filters are engineered to help you meet IEEE-519 standards.**

With appropriate installation and within the minimum system requirements (listed below), CTM Magnetics will guarantee GRIDHAWK® output current distortion levels below 5% THD at full load, and below 9% THD at 30% load.

If the GRIDHAWK® filter is properly installed, meets the minimum system requirements, is appropriately sized, and yet fails to meet the specified THD rating, CTM Magnetics will either make the necessary improvements to the unit to meet the performance specifications, or replace the GRIDHAWK® filter at no charge.

## **Minimum System Requirements:**

- **Nominal Frequency:**  $\pm 0.75$  Hz
- **System Voltage:** Nominal System Voltage (line to line)  $\pm 10\%$
- **Line Voltage Imbalance:** Nominal System Voltage (line to line)  $\pm 10\%$
- **Line Input Voltage Distortion:** 0% THD
- The filter is operating under the appropriate design conditions, listed under the performance specifications section on the product brochure.
- The thermal switches have been connected to the VFD controls, and the inductors have not failed.
- CTM does not warrant acts of God such as lightning strikes, flooding, or earthquakes.
- No evidence of physical abuse to the unit.

## Note:

The GRIDHAWK® series has options designed to operate with line voltage distortion of  $\leq 25\%$  THD. The filter performance guarantee does not cover a unit under these conditions.

*Measured field data below is 21% THD*

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