



Electric Motor Testing Tip of the Week

revolutionizing *electrical* reliability

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Fundamental RMS vs. Total RMS

Fundamental RMS values are based solely on the fundamental frequency. If your operating frequency is 60 Hz then the fundamental RMS voltage and current values will include only the 60 Hz component of the signal. Total RMS values are based on all components of the signal regardless of the frequency. In the presence of a harmonic filled signal the total current reading can be significantly higher than the fundamental value. Current limits and protective devices should use the Total RMS value.

You are invited to submit an Electric Motor Testing Tip of your own and receive a free PdMA mug or hat if we publish it! Contact Lou Martindale at 813-621-6463 ext. 126 or lou@pdma.com.

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