



# Tip Of The Week

**December 20, 2010**

This is the final tip of 2010. Look for the Tip of the Week to resume in January 2011. Please have a safe, happy holiday.

**Question for December 20:** A variable frequency drive, connected to a 60 Hz distribution system, is supplying a 37 Hz output frequency to a squirrel cage induction motor. When performing current signature analysis for rotor evaluation of the squirrel cage induction motor, what would be the peak frequency of the current spectrum?

- A. 37 Hz
- B. 60 Hz
- C. 23 Hz

**Answer:** The correct answer is 37 HZ.

If you answered incorrectly and feel you need additional training OR if you answered correctly and still feel you need additional training, we can help you. Our training department offers classes on various topics, click here (<http://www.pdma.com/PdMA-training.php>) to go to the training page. We also have a Data Interpretation Book available to help you. Contact PdMA ([pdma@pdma.com](mailto:pdma@pdma.com)) or call (813) 621-6463 for information.

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 at 813-621-6463 ext. 126 or [lou@pdma.com](mailto:lou@pdma.com).

Copyright 2010 PdMA Corporation. All rights reserved. The PdMA Tip of the Week is produced by PdMA. PdMA shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon.