



Electric Motor Testing Tip of the Week

revolutionizing *electrical* reliability

April 7, 2007

In-Rush/Start-Up Test With Variable Frequency Drives (VFDs) or Reduced Voltage Soft Starts (RVSS)

It is important to realize that all semi conductor type motor controllers have inrush current limitations to protect the current carrying semi conductors. When we look at the inrush profile of a non VFD motor, typically we see changes in the current signature of about 600-900% of full load current. Increasing or decreasing locked rotor current may warn us of potential or existing problems. Typically a VFD or RVSS motor controller will limit the inrush to 200%. While it is more difficult to interpret these tests, it is still possible through trending your data.

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.

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