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EISA...What Does This Mean For You?

Beginning in December 2010 the new Energy Independence and Security Act of 2007 (EISA) government regulations will change motor manufacturers requirements to meet NEMA Premium standards for NEMA and IEC frame sizes on motors <600v. We will be discussing this new regulation in a five-part series of tips highlighting some of the issues that may impact you.

Part One

The following motor categories, not previously required to meet the EAct efficiency levels, are now required:

- 8-pole motors
- Close-coupled pump motors
- Design C
- U-frame motors
- 3-ph motors of not more than 600 volts (other than 230v or 460v) including IEC frame motors from 90 frame and up
- C-face or D-flange without base
- 201 to 500 HP motors not previously covered by EAct will be required to comply with Energy Efficient efficiencies as defined by NEMA MG 1, Table 12-11
- Vertical solid shaft normal thrust motors (P-base) (as tested in a horizontal configuration)

To view the EISA go to: http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=110_cong_bills&docid=f:h6enr.txt.pdf

For a NEMA summary go to: <http://www.nema.org/gov/energy/Energy-Legislation.cfm>

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.