



Tip Of The Week

June 24, 2013

Beat the Heat

The Miami Heat may be the NBA (National Basketball Association) World Champions for the second year in a row, but in today's tip we are going to chant like San Antonio Spurs fans...."Beat the Heat". Electric motor insulation systems have NEMA (National Electrical Manufacturers Association) heat ratings for each insulation class. It is important to know your application and motor NEMA rating so that the motor insulation is not subject to overheating due to overloading. Some other causes of overheating are airborne contaminants or moisture on the insulation, cooling air flow restrictions, elevated ambient temperature, high resistance connections, etc. In addition to phase resistance, current, and infrared testing, it is important to routinely perform visual inspections and trend Polarization Index and Resistance-to-Ground values, which can help you detect the results of insulation heating or breakdown prior to imminent failure.

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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