



A Leader in Electric Motor Testing

Tip Of The Week

November 28, 2016

Motor Nameplate Tolerance

Have you ever wondered how accurate your motor nameplate speed is? You might be surprised that the National Electrical Manufacturers Association (NEMA) MG-1 allows +/- 20% of rated slip rpm. Slip is the difference between synchronous speed of the stator magnetic field and the actual speed of the rotor. Given this level of tolerance it's not surprising that finding speed in your current spectrum isn't always that cut and dry. The MCEGold software also allows you to select an operating speed in addition to the nameplate speed to improve the auto speed acquisition. Think of it like calibrating the nameplate speed for actual operating conditions.

For more details on operating speed see your *Product Support Manual* or contact PdMA Technical Support at techsupport@pdma.com or phone 813-621-6463 ext. 251.

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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