



Electric Motor Testing Tip of the Week

revolutionizing *electrical* reliability

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The Effect of NEMA Code Letters on In-Rush/Start-Up

The higher the NEMA code letter (A-V) the higher the locked-rotor kVA per horsepower. The equation to use in estimating the starting kVA of a three phase motor is:

$$\text{Starting kVA per hp} = (\text{Volts} \times \text{Locked-Rotor Amps} / 1000 \times \text{hp}) \times 1.732$$

Before buying a new motor verify the NEMA code letter to ensure the new motor will not exceed the trip setting of your starter.

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 Martindale at 813-621-6463 ext. 126 or lou@pdma.com.

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