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How Many Rotor Bars?

During data analysis or a troubleshooting effort on a three-phase squirrel cage induction motor, we are often left wondering how many rotor bars are manufactured into the rotor. Software applications like MCEGold can help identify the number of bars, but there are times where the confidence level would be greatly increased through a nameplate value.

“Challenge your service centers to meet your needs and don't stop until you get the results you desire.” says Chris Grainger, a Regional Sales Manager at Industrial Motor Services in Richmond, Virginia. Chris says that a standard motor repair practice should include a rotor bar and stator slot count when the equipment is serviced. Additionally, Chris adds that a nameplate should be attached on the motor with the data as well as in the standard repair report. Terry Keef, a Set Up Planner at Green Bay Packaging in Little Rock, Arkansas, says Baldor Reliance typically places this information on their 841XL motors. Terry also commented that rebuild shops supporting Green Bay Packaging typically place a stainless steel tag on rebuilds with the number of rotor bars and slots.

From the sound of things, I think your requests are being answered.

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.