Section IV
Performance Standards Applying To All Machines Part 30
Application Considerations for Constant Speed Motors Used on a Sinusoidal Bus with Harmonic Content and General Purpose Motors Used with Adjustable-Voltage or Adjustable-Frequency Controls or Both

30.1 Scope

The information in this Section applies to 60 Hz NEMA Designs A and B squirrel-cage motors covered by Part 12 and to motors covered by Part 20 rated 5000 horsepower or less at 7200 volts or less, when used on a sinusoidal bus with harmonic content, or when used with adjustable-voltage or adjustable-frequency controls, or both.

NEMA Designs C and D motors and motors larger than 5000 horsepower and voltages greater than 7200 volts are excluded from this section and the manufacturer should be consulted regarding their application.

For motors intended for use in hazardous (classified) locations refer to 30.2.2.10.

30.2.2.9 Power and Coupling Capacitors

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