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Rotating electrical machines

Part 12: Starting performance of single-speed three-phase cage induction motors



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Preface

This Standard was prepared by the Standards Australia Committee EL-009, Rotating Electrical Machinery, to supersede AS 60034.12—2009.

The objective of this document is to specify the parameters for eight designs of starting performance of single-speed three-phase 50 Hz or 60 Hz cage induction motors in accordance with AS 60034.1 that —

- (a) have a rated voltage up to 1 000 V;
- (b) are intended for direct-online or star-delta starting;
- (c) are rated on the basis of duty type S1; and
- (d) are constructed to any degree of protection and explosion protection.

This document also applies to dual voltage motors provided that the flux saturation level is the same for both voltages.

The values of torque, apparent power and current given in this document are limiting values (i.e. minimum or maximum without tolerance).

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