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CSA C390:22
National Standard of Canada

Test method, marking requirements, and energy efficiency levels for three-phase induction motors

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Preface

This is the fifth edition of CSA C390, *Test method, marking requirements, and energy efficiency levels for three-phase induction motors*. It supersedes the previous editions published in 2010, 1998, 1993, and 1985 under the title *Energy Efficiency Test Methods for Three-Phase Induction Motors*, and CSA Preliminary Standards C390.1 and C390.2, published in 1982.

This new edition was revised to harmonize the Standard to the extent possible with the relevant IEC and IEEE Standards. Major changes to this edition include the following:

a) revising the Scope to remove an upper limit in the size of the motor that could be tested;
b) revising the definition for thermal equilibrium;
c) revising energy efficiency levels and tables;
d) revising Annex C to include mandatory language; and
e) replacing the former Annex D, which had contained Canadian energy efficiency regulatory information.

CSA acknowledges that the development of this Standard was made possible, in part, by the financial support of BC Hydro, the Canadian Electricity Association (CEA), Hydro-Québec, the Independent Electricity System Operator (IESO), Manitoba Hydro, and Natural Resources Canada.

This Standard is considered suitable for use for conformity assessment within the stated scope of the Standard.

This Standard was prepared by the Subcommittee on the Performance of Three-Phase Induction Motors, under the jurisdiction of the Technical Committee on Industrial Equipment and the Strategic Steering Committee on Performance, Energy Efficiency, and Renewables, and has been formally approved by the Technical Committee.

This Standard has been developed in compliance with Standards Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

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2) *Although the intended primary application of this Standard is stated in its Scope, it is important to note that it remains the responsibility of the users of the Standard to judge its suitability for their particular purpose.*
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