NECA 230-2010

Standard for

Selecting, Installing, and Maintaining Electric Motors and Motor Controllers

AN AMERICAN NATIONAL STANDARD

Published by
National Electrical Contractors Association

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Installing, and Maintaining

Electric Motors and Motor Controllers

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(This foreword is not a part of the standard)

Foreword

National Electrical Installation Standards™ (*NEIS*®) are intended to improve communication among specifiers, purchasers, and suppliers of electrical construction services. They define a minimum baseline of quality and workmanship for installing electrical products and systems. *NEIS* are intended to be referenced in contract documents for electrical construction projects. The following language is recommended:

> Electric motors and motor controllers rated 600 volts or less shall be installed and maintained in accordance with NECA 230-2010, *Standard for Selecting, Installing, and Maintaining Electric Motors and Motor Controllers* (ANSI).

Use of *NEIS* is voluntary, and the National Electrical Contractors Association assumes no obligation or liability to users of this publication. Existence of a standard shall not preclude any member or nonmember of NECA from specifying or using alternate construction methods permitted by applicable regulations.

This publication is intended to comply with the edition of the National Electrical Code (NEC) in effect at the time of publication. Because they are quality standards, *NEIS* may in some instances go beyond the minimum requirements of the NEC. It is the responsibility of users of this publication to comply with state and local electrical codes when installing electrical products and systems.

Suggestions for revisions and improvements to this standard are welcome. They should be addressed to:

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1. Scope

1.1 Products and Applications Included

This standard describes recommended procedures for selecting and installing stationary electric motors and motor controllers rated 600 volts or less. It also covers routine maintenance procedures to be followed after the installation is complete.

1.2 Regulatory and Other Requirements

a) All information in this publication is intended to conform to the National Electrical Code (ANSI/NFPA 70), and, in general, the typical recommendations of electrical motor and controller manufacturers. Installers should always follow the NEC, applicable state and local codes, manufacturer's instructions when installing motors and motor controllers.

b) Only qualified persons as defined in the National Electrical Code and familiar with the construction and installation of motors should perform the work described in this publication. For electrical safety training refer to NFPA 70E, *Standard for Electrical Safety in the Workplace.*

c) General requirements for installing electrical products and systems are described in NECA 1, *Standard for Good Workmanship in Electrical Construction* (ANSI). Other *National Electrical Installation Standards* provide additional guidance for installing particular types of electrical products and systems. A complete list of *NEIS* is provided in Annex C.