

NEMA ST 20-2014

Dry Type Transformers for General Applications



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Foreword

This foreword is not part of NEMA ST 20 *Dry-Type Transformers for General Applications*.

This standard references applicable ANSI and other national standards.

This update maintains or incorporates applicable sections of documents in the Reference Section to provide a “one source” technical requirement standard.

This standard incorporates sound level requirements.

NEMA standards publications are subject to periodic review. They are revised frequently to reflect user input and to meet changing conditions and technical progress. Proposed revisions to this standards publication should be submitted to:

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This standards publication was developed by the Dry-Type and Specialty Transformer Products Section of the National Electrical Manufacturers Association. Section Approval of the standard does not necessarily imply that all section members voted for its approval or participated in its development. At the time it was approved, the Section was composed of the following members:

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Scope

This standards publication applies to single-phase and polyphase dry-type transformers (including autotransformers and non-current-limiting reactors) for supplying energy to power, heating, and lighting circuits and designed to be installed and used in accordance with the *National Electrical Code*®.

It applies to transformers with and/or without accessories having ratings of 1.2 kV class, 0.25 kVA through 4000 kVA. Transformers not covered by this standard may be covered by NEMA TR 1.

This standards publication applies to transformers, commonly known as general-purpose transformers for commercial, institutional and industrial use in nonhazardous locations both indoors and outdoors. The publication includes ratings and information on the application, design, construction, installation, operation, inspection, and maintenance as an aid in obtaining a high level of safe performance. These standards, except for those for ratings, may be applicable to transformers having other than standard ratings. These standards, as well as applicable local codes and regulations should be consulted to secure the safe installation, operation, and maintenance of dry-type transformers. Also included are unit substation transformers and transformers in distribution centers.

This publication does not apply to the following types of specialty transformers: control, industrial control, Class 2, signaling, oil- or gas-burner ignition, luminous tube, cold cathode lighting, incandescent, mercury lamp, and instrument transformers.