



ANSI/NEMA C50.41-2012 (R2021)

*American National Standard
Polyphase Induction
Motors for Power Generating Stations*

Secretariat:

National Electrical Manufacturers Association

Approved April 5, 2021

American National Standards Institute, Inc.

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Contents

| | | |
|------|-----------------------------------------------------------|----|
| 1 | Scope | 1 |
| 2 | Applicable Standards..... | 1 |
| 3 | Definitions..... | 2 |
| 3.1 | Design Type | 2 |
| 3.2 | Service Factor | 2 |
| 3.3 | Classification of Insulation Systems..... | 2 |
| 4 | Service Conditions..... | 2 |
| 4.1 | Usual Service Conditions | 2 |
| 4.2 | Unusual Service Conditions | 3 |
| 5 | Basis of Rating | 3 |
| 5.1 | Horsepower | 3 |
| 5.2 | Frequency | 3 |
| 5.3 | Speed | 4 |
| 5.4 | Voltage | 4 |
| 6 | Horsepower Ratings of Multispeed Motors..... | 4 |
| 6.1 | General..... | 4 |
| 6.2 | Constant Horsepower | 4 |
| 6.3 | Constant Torque | 4 |
| 6.4 | Variable Torque..... | 4 |
| 7 | Insulation Systems | 5 |
| 8 | Service Factor | 5 |
| 8.1 | Service Factor of 1.0 | 5 |
| 8.2 | Service Factor of 1.15 | 5 |
| 9 | Temperature..... | 6 |
| 9.1 | General..... | 6 |
| 9.2 | Temperature Rise | 6 |
| 9.3 | Resistance Method for Temperature Measurement | 7 |
| 9.4 | Embedded-Detector Method for Temperature Measurement..... | 7 |
| 9.5 | Motor Lead Total Temperature | 7 |
| 10 | Torques | 8 |
| 11 | Starting Requirements..... | 8 |
| 11.1 | Starting Capabilities | 8 |
| 11.2 | Number of Starts | 8 |
| 11.3 | Starting Information Nameplate | 8 |
| 12 | Load Inertia (Wk ²)..... | 9 |
| 12.1 | Design NT Motors | 9 |
| 12.2 | Design HT Motors | 9 |
| 13 | Variation from Rated Voltage and Rated Frequency..... | 9 |
| 13.1 | Running | 9 |
| 13.2 | Starting..... | 11 |
| 13.3 | Momentary Operation | 11 |

| | | |
|------|---------------------------------------------------------------------------------------------------|----|
| 13.4 | Effects of Unbalanced Voltages on Performance of Polyphase Squirrel-Cage Induction Motors | 11 |
| 14 | Bus Transfer or Reclosing | 13 |
| 14.1 | General | 13 |
| 14.2 | Slow Transfer or Reclosing | 13 |
| 14.3 | Fast Transfer or Reclosing | 14 |
| 14.4 | Recommendations | 14 |
| 15 | Power Factor Correction | 15 |
| 15.1 | Corrective KVAR | 15 |
| 15.2 | Capacitors | 15 |
| 15.3 | Autotransformer Starters | 15 |
| 16 | Efficiency | 15 |
| 17 | Stator current pulsations | 16 |
| 18 | Surge Capabilities of AC Winding with Form-Wound Coils | 16 |
| 18.1 | General | 16 |
| 18.2 | Surge Capacitors | 16 |
| 18.3 | Stator Windings | 17 |
| 18.4 | Method of Test | 17 |
| 18.5 | Test Voltage Adjustment | 17 |
| 19 | Motors Operating on an Ungrounded System | 17 |
| 20 | Occasional Excess Current | 17 |
| 21 | Operation of Induction Motors from Variable-Frequency or Variable-Voltage Power Supplies, or Both | 18 |
| 22 | Belt, Chain, and Gear Drive | 18 |
| 23 | Aseismic Capability | 18 |
| 23.1 | Earthquake Damage | 18 |
| 23.2 | System Requirements | 18 |
| 23.3 | Motor Requirements | 18 |
| 23.4 | Supporting Base Structure | 18 |
| 24 | Airborne Sound | 19 |
| 24.1 | Sound Quality | 19 |
| 24.2 | Sound Measurement | 19 |
| 24.3 | Sound Power Levels | 19 |
| 25 | Bearings | 21 |
| 25.1 | Horizontal Motors | 21 |
| 25.2 | Vertical Motors | 21 |
| 25.3 | Oil Lubrication | 21 |
| 25.4 | Antifriction Bearings | 21 |
| 25.5 | Shaft Currents | 21 |
| 26 | Lubrication System | 21 |
| 26.1 | Supplied from the Driven Equipment System | 21 |
| 26.2 | Auxiliary Lubrication System | 21 |
| 27 | Overspeed | 22 |

| | | |
|------|---------------------------------------------------------------|----|
| 28 | Construction Features | 22 |
| 28.1 | Protection of Motor Leads from Mechanical Damage | 22 |
| 28.2 | Drainage | 22 |
| 28.3 | Cooler-Tube Leakage | 22 |
| 28.4 | Space Heaters..... | 22 |
| 28.5 | Horizontal Sleeve Bearing Motors..... | 22 |
| 28.6 | Grounding..... | 22 |
| 29 | Terminal Housing and Boxes | 23 |
| 29.1 | General..... | 23 |
| 29.2 | Dimensions and Volumes | 23 |
| 29.3 | Accessory Leads..... | 23 |
| 30 | Coupling End Play and Rotor Float | 23 |
| 30.1 | General..... | 23 |
| 30.2 | Flexible Couplings | 23 |
| 30.3 | Assembly..... | 23 |
| 31 | Motor Vibration | 26 |
| 31.1 | General..... | 26 |
| 31.2 | Limits | 26 |
| 31.3 | Reed Frequency of Vertical Motors..... | 26 |
| 32 | High-Potential Tests | 27 |
| 32.1 | Safety Precautions and Test Procedure | 27 |
| 32.2 | Test Voltage | 27 |
| 33 | Motor with Sealed Windings – Conformance Tests..... | 27 |
| 33.1 | Test for Stator Which Can Be Submerged..... | 27 |
| 33.2 | Test for Stator Which Cannot Be Submerged..... | 28 |
| 34 | Tests on Complete Motors | 28 |
| 34.1 | General..... | 28 |
| 34.2 | Tests on Motors Completely Assembled in the Factory..... | 28 |
| 34.3 | Tests on Motors Not Completely Assembled in the Factory | 29 |
| 35 | Rotation | 29 |
| 35.1 | Nameplate | 29 |
| 35.2 | Unidirectional Fans..... | 29 |
| 36 | Nameplate | 29 |
| 36.1 | Construction | 29 |
| 36.2 | Marking..... | 30 |
| 37 | Documentation | 30 |
| 37.1 | General..... | 30 |
| 37.2 | Motor Data..... | 30 |
| 37.3 | Performance Curves | 31 |

Figures

| | |
|----------------------------------------------------------------------------------------------------|--|
| Figure 1 - Polyphase Squirrel Cage Induction Motors Derating Factor Due to Unbalanced Voltage..... | |
| Figure 2 - Determination of Resultant Volts Per Hertz on Bus Transfer or Reclosing..... | |
| Figure 3 - Type II Motor Terminal Housing Stand-off-Insulator-Supported | |

Tables

| | |
|--------------------------------------------------------------------------------------------------|--|
| Table 1 - Limiting Observable Temperature Rise for Class F Insulation | |
| Table 2 - Minimum Torques at Rated Voltage and Frequency | |
| Table 3 - Allowable Load Inertia (Wk^2)..... | |
| Table 4 - Motor Sound Level..... | |
| Table 5 - Type I Terminal Housing: Unsupported and Insulated Terminations | |
| Table 6 - End-Float Values for Sleeve Bearing Motors Insulated or Uninsulated Terminations | |
| Table 7 – Unfiltered Vibration Limits | |

Foreword

(This Foreword is not a part of American National Standard Polyphase Induction Motors for Power Generating Stations, ANSI C50.41-2021 (R2021))

This Standard was developed by the Subcommittee on Polyphase Induction Motors and Generators of American National Standards Committee on Rotating Electrical Machinery, C50. The subcommittee membership reflects wide industrial experience in both the manufacture and use of polyphase induction motors intended for application in power generating stations.

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Suggestions for improvement of this Standard will be welcome. They should be sent to the American National Standards Institute, 25 West 43rd Street, 4th floor, New York, NY 10036 or at info@ansi.org.

This Standard was processed and approved for submittal to ANSI by American National Standards Committee on Rotating Electrical Machinery, C50. Committee approval of the Standard does not necessarily imply that all committee Standards voted for approval. At the time it approved this Standard, the C50 Committee had the following Standards:

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| Barry Reichman..... | PSEG Power |
| Stephen Ruffing..... | Nidec Motor Corporation |
| John Yagielski..... | GE Global Research |
| Chuck Yung..... | EASA |

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The Subcommittee on Polyphase Induction Motors for Power Generating Stations, which developed this Standard, had the following Standards:

N. E. Nilsson, Chair

M. G. Leibowitz, Secretary

Representative

Organization Represented

| | |
|-----------------------|---------------------------------|
| Jeffrey Barth..... | Regal Beloit America, Inc. |
| Rick Budzynski..... | ABB Motors and Mechanical, Inc. |
| Andre de Costa | WEG Electric Corporation |
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Polyphase Induction Motors for Power Generating Stations

Part I: General

1 Scope

1.1 Inclusions

The requirements in this Standard apply to polyphase induction motors intended for use in power generating stations, including the following:

- a. Frame size larger than NEMA 440 series
- b. Squirrel-cage type
- c. Single speed or multispeed
- d. Horizontal or vertical construction
- e. Form wound

1.2 Exclusions

Excluded from the scope of this Standard are:

- a. Additional specific features that may be required for application in nuclear power generating stations
- b. Additional specific features required in motors for use in hazardous (classified) locations
- c. Starting motors for reversible synchronous generator/motor units for pumped storage installations
- d. Wound-rotor motors