



European Committee of Manufacturers of Electrical
Machines and Power Electronics

 **02nd CEMEP CONFERENCE**

/ 7th and 8th July 2022 in Milan, Italy

CEMEP sustainable products, systems & services

The logo for CEMEP, consisting of the letters 'CEMEP' in a bold, blue, sans-serif font. The 'C' is stylized with a small blue dot inside its upper curve.

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NEMA and the Electroindustry

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National Electrical Manufacturers Association

What is NEMA?

- NEMA is a Federation of Companies, founded in 1926 by the merger of the Electric Power Club and the Associated Manufacturers of Electrical Supplies
- NEMA provides a forum for the Standardization (1) of electrical equipment, enabling consumers to select from a range of safe, effective, and compatible electrical products
- The organization has made numerous contributions to the electrical industry by shaping public policy (2) development and operating as a central confidential agency for gathering, compiling, and analyzing market statistics and economics data (3)

(Core member services)

Who is NEMA?

- Approximately 60 employees, located in Arlington Virginia (adj. to Wash DC) with Field Representatives in four major geographic areas and an office in Mexico
 - Former offices in Brasil and Beijing
- Managed by CEO & Staff and by the NEMA Board of Governors (30+ CEOs of member companies. Chair: Annette Clayton, Schneider Electric)
- NEMA represents 58 distinct products sections of 325 member companies, ranging from medical imaging equipment & electrical distribution equipment to electric motors & power electronics

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NEMA Motor and Generator Section

- 20+ major manufacturers represented in two sections
 - Electric Motors (1Hp and greater, Industrial machines)
 - Small Machine Group (Fractional, single- & 3- phase, consumer/commercial machines)
- Very active in Standards development and Regulatory Affairs
- Recent publication: NEMA 10011-2022 *Power Index Calculation Procedure - Standard Rating Methodology for Power Drive Systems and Complete Drive Modules*

<https://www.techstreet.com/nema/standards/nema-mg-10011-2022>

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NEMA Public Affairs Advocacy

- Representing 370,000 American manufacturing workers across all 50 states, we are the voice of the electroindustry that commands the attention of policymakers and regulators
- As legislation and regulations are proposed, the U.S. electroindustry looks to NEMA for advocacy at every level of government, including local building codes, infrastructure funding, national energy laws, and international trade
- NEMA is nationally recognized for our focused policy expertise

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NEMA and Sustainability Advocacy

- Many members have detailed Sustainability and ESG Policies and Plans
- NEMA assists through a variety of actions and activities
 - Energy Efficiency Legislation, Regulations & Programs (Examples)
 - NEMA Environmental Design and Product Management [Resources](#)
 - [Defense Production Act](#) (President Biden 06 June 2022)
 - White House: Buy America Office
 - Recent [comments](#) on US Security and Exchanges Commission proposed rule for *Enhancement and Standardization of Climate-Related Disclosures for Investors*
 - Infrastructure Investment and Jobs Act of 2021
 - NEMA Campaigns: Infrastructure, Supply Chain Resiliency and Energy Transition

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Regulatory Advocacy of Interest to Motors

- Continue to promote NEMA Standard 10011 to raise focus on end-use energy savings
- US Department of Energy Product/Appliance Rulemakings
 - Over 70 product classes, including electric/small motors
 - By law, must review Standards and Test Procedures every 6 and 7 years, respectively
 - Products must be tested and certified to DOE prior to sale (includes importation)
 - DOE enforcement authority is at “point of sale” (manufacture or import)
 - There are no US Federal regulations for Variable Speed Drives
 - DOE is in open review of Test Procedures and Standards for all Electric Motors
 - NEMA is seeking a formal *negotiated* rulemaking for Electric Motor TPs and Standards
 - Pushing for determination to maintain small electric motor standards as-is
 - Always interested in discussion of further global standards/regulatory harmonization

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Regulatory Cooperation

- CEMEP Technical Board plans to assist and support NEMA as needed if/when ASRAC granted
- CEMEP TB will consider opportunities for promotion of NEMA Standards 10011-2022
- Discussions about international harmonization continue
 - The topic is challenging since no regulation can backslide
- NEMA will assist in arrangements for Spring CEMEP meetings in Florida (once location/time is approved)

Thanks for the attention!

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