



NEMA Premium® Efficiency Electric Motors Program

Why create a NEMA Premium energy efficiency motor program?

The Motor and Generator Section of the National Electrical Manufacturers Association (NEMA) established the NEMA Premium program for four main reasons:

- Electric motors have a significant impact on the total energy operating cost for industrial, institutional and commercial buildings.
- Electric motors vary in terms of energy efficiency. The NEMA Premium program will assist purchasers identify higher efficient motors that will save users money and improve system reliability.
- NEMA Premium labeled electric motors will assist users to optimize motor systems efficiency in light of power supply and utility deregulation issues.
- NEMA Premium motors and optimized systems will reduce electrical consumption thereby reducing pollution associated with electrical power generation.

What are the anticipated energy and environmental impacts?

Based on U.S. Department of Energy data, it is estimated that the NEMA Premium motor program would save 5,800 gigawatts of electricity and prevent the release of nearly 80 million metric tons of carbon into the atmosphere over the next ten years. This is equivalent to keeping 16 million cars off the road.

How can my company participate?

If you are a non-NEMA manufacturer, you may sign a voluntary partnership agreement on a fee basis. The NEMA Premium fees are waived for companies participating in the program that are Members of the NEMA Motor and Generator Section. The NEMA Premium label may be used with those products that meet or exceed the NEMA Premium motor efficiency guidelines. The label makes it possible for purchasers to identify with ease and confidence those products that are premium efficient.

Where can I get for additional information on the program?

For more information about the NEMA Premium program, please contact The NEMA Premium team at NEMAPremium@nema.org.