



*Reduced energy usage.
Longer motor life.
Less downtime.*

**Cut operating costs
with Emerson's NEMA
Premium® motors.**

Why Emerson is the best choice for NEMA Premium® motors:

- Three complete motor lines built to meet or exceed the latest NEMA Premium® efficiency standards
 - Industrial cast iron motors for hostile, severe and outdoor environments
 - Commercial duty motors used in office buildings, schools and other indoor federal facilities
 - HVAC motors for air moving and conditioning applications
- The most comprehensive efficiency standards in the industry
- A complete product line from 1 to 500 HP in both low and medium voltages



Emerson's NEMA Premium® motors offer a great way for businesses and production facilities of all types to significantly reduce energy expenses over the life of their motors. The relatively small upfront investment in a NEMA Premium® motor will not only pay back quickly, it will also continue to pay dividends in energy savings for years and years to come.

To put the initial cost of these motors (as compared to standard efficiency motors) in perspective, the average IHP motor uses four to six times its original cost in electricity every year. So it's easy to see how fast the energy savings can add up. For example, a NEMA Premium® 50 HP motor can save \$12,000 over 10 years. Of course, actual savings will vary depending on each application.

Ideal for new purchases, Emerson's NEMA Premium® motors can also be a more cost-effective option than repairing standard efficiency motors. Unfortunately, most motor repair or replacement decisions are based solely on initial costs, not the annual operating expenses of the motor. Remember, the more a motor runs, the more energy and money can be saved. In fact, sometimes the savings are so great that replacing fully serviceable standard efficiency motors with NEMA Premium® is the smart choice.

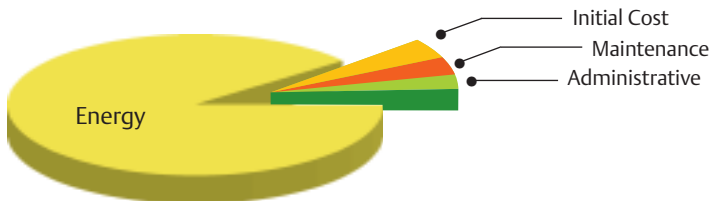
Plus, increases in efficiency also mean increases in motor life. That's because our premium efficiency designs and higher grade materials result in lower operating temperatures, resulting in less stress on the motor's parts and a longer life—which typically means less maintenance and downtime.



EMERSON™
Motor Technologies

CONSIDER IT SOLVED.™

www.emersonmotors.com



The Lifetime Costs of a Motor

The fact is, the initial cost of a motor is almost insignificant when compared to its lifetime costs. That's because more than 90% of the total cost of a motor is the energy it uses. As a result, just a small reduction in energy usage can add up to major savings over time. For instance, switching a 50 HP, 4-pole motor from Epact to NEMA Premium® results in a 1.5% increase in efficiency—which translates into cost savings of more than \$1,000 per year! (Savings calculated using Motor Master® software.)

The right thing for you...the right thing for the environment.

It is estimated that the NEMA Premium® motor program would save 5,800 gigawatts of electricity over the next 10 years. This translates to preventing nearly 80 million metric tons of carbon dioxide from entering our atmosphere, which is the equivalent of keeping 16 million cars off the road. So when you choose NEMA Premium®, you're not only making a sound decision for your organization, but for all of us, as well.

Plus, with Emerson's NEMA Premium® motors, the increased efficiency and energy savings are easy to achieve. These motors offer interchangeable mechanical designs, without the need for additional cables, contactors or starters. Just make the simple replacement and start saving right away.

We make it easy for federal facilities to comply with the FEMP.

Emerson's NEMA Premium® motors are an ideal choice for federal agencies that are required to follow the Federal Energy Management Program (FEMP) efficiency requirements. Each of these motors' nameplates are marked with the NEMA Premium® logo to assure federal buyers of their FEMP compliance. Plus, these motors also allow federal facilities to maintain existing compliance to local electric codes and safety regulations.

Don't take our word for it...let us show you how much you can save.

Our Energy Evaluation and Savings Estimate uses state-of-the-art Motor Decisions Matter 1-2-3 software to evaluate a sample of five motor ratings from your facility. Then, our evaluation team will develop a proposal that graphically displays your potential energy cost savings and return on investment—using proven methods developed jointly with power utilities and the Department of Energy.

Our goal is to help our customers better understand the energy saving opportunities that exist within their facilities and help them reduce operating costs and emissions at the same time. To schedule an Energy Evaluation and Savings Estimate, just contact your Emerson representative or call 1-888-637-7333. For more information, you can also visit us online at www.emersonmotors.com.



CONSIDER IT SOLVED.SM

