



Premium Efficiency Motors

Do motors consume a large percentage of your facility's electricity?

How many of your motors run at premium efficiency?

The initial purchase of a motor is only 2 percent of its lifetime cost, while 97 percent of its cost will go towards energy. Therefore, even small efficiency improvements can be extremely cost effective long term, especially when motors are a large part of operating costs and when these motors are running frequently.

Advantages of premium efficiency motors...

- Higher efficiency leads to lower electricity costs
- Improved power factor from resizing of motors, and thus further savings (up to 30% more)
- Immediate rebates help fund projects (approximately 10% of project cost)
- Increased reliability leads to reduced maintenance costs
- Reduced peak demand in utility bills
- Cooler motor operation means lower cooling costs

U.S. Department of Energy found that only 15% of motors purchased in 1998 were premium-efficiency.

Lifetime Cost of an Electric Motor



Cummins saved \$200,000 annually by replacing 800 motors with high efficiency alternatives with a payback period of less than two years.

INTERSTATES
ENGINEERING

Sioux Center, IA • 712-722-1664
www.interstates.com