



Go Energy Efficient and Save Money with Your Agricultural Pump Motors!

Using energy efficient electric motors to power your agricultural pumps can save you money. Because pump motors operate for a large number of hours, energy efficient motors should be used to save energy and reduce your electricity bill. The additional cost of the energy efficient motor can be quickly offset by the energy savings obtained.

Farm irrigation pumps generally have 24-hour per day operation from May through October. The table below compares a standard motor with the most efficient model available and illustrates corresponding energy savings. Each row of information is based on a 1,800 rpm fully enclosed fan-cooled electric motor running 3,500 hours per year on the AG-ICE utility electric rate, a special electric rate designed for (agricultural) electric motors serving pumps that have been converted from diesel engines.

Your electric motor distributor should be able to help you find an energy efficient motor for your pumping needs. In 2002 the National Electrical Manufacturers Association (NEMA) developed specifications for energy efficient motors (NEMA Premium™) that have higher efficiencies than standard or energy efficient motors.

Look for motors labeled **NEMA Premium™** to find those that qualify as high efficiency.

Size (hp)	Most Efficient Motor (%)	Standard Motor (%)	Annual Electricity Savings*
50	95.0	93.0	\$210
100	95.8	94.1	\$360
150	96.2	95.0	\$370
200	96.5	95.0	\$620
250	96.5	95.0	\$770
300	96.5	95.0	\$930
350	96.5	95.0	\$1,080
400	96.2	95.0	\$990

*Estimated savings. Savings will vary by application.

If you are interested in improving the energy efficiency of your pumping systems and saving money by using premium efficiency motors, please contact **PG&E** at **1-800-468-4743**, then press option 2.



Pacific Gas and Electric Company®