



PREMIUM EFFICIENCY MOTORS INCENTIVE PROGRAM



Nebraska Public Power District

Always there when you need us

Sponsored by Nebraska Public Power District
in Partnership with its Wholesale Utility Customers - 2010

ENERGYWISESM
Use less. Spend less. Do more.

Why Purchase Premium Efficiency Motors?

For some businesses, energy consumption by electric motors may represent over half their electricity cost. One way to reduce that cost is to upgrade to premium efficiency motors.

Premium efficiency motors are up to 8 percent more efficient than standard motors and are defined as motors that meet or exceed the standards set forth by the National Electric Manufacturers Association (NEMA) in NEMA's MG1-2006 publication.

Premium efficiency motors include design improvements, more accurate manufacturing tolerances and tighter windings. Design improvements that reduce electrical losses include lengthening the core, using steel with less electrical resistance, thinner stator laminations and more copper in the windings. Improved bearings and more aerodynamic cooling fans have also improved motor efficiencies.

Premium efficiency motors become more cost-effective when annual operation exceeds 2,000 hours, when motor repair costs are a significant fraction of the price of a replacement motor, or where electric utility motor rebates or other conservation incentives are available.



- The Premium Efficiency Motor Incentive Program is available through December 2010 to commercial and industrial retail customers of NPPD – or of NPPD's wholesale partners.
- To participate, submit an application along with the required documentation to your participating utility. Be sure all terms and conditions on the back of the application are met before applying.

Premium Efficiency Motors Minimum Efficiency							
	TEFC ¹			ODP ²			Incentive Payment
RPM	3600	1800	1200	3600	1800	1200	
HP							
1.0	77.0	85.5	82.5	77.0	85.5	82.5	\$20
1.5	84.0	86.5	87.5	84.0	86.5	86.5	\$20
2.0	85.5	86.5	88.5	85.5	86.5	87.5	\$20
3.0	86.5	89.5	89.5	85.5	89.5	88.5	\$30
5.0	88.5	89.5	89.5	86.5	89.5	89.5	\$30
7.5	89.5	91.7	91.0	88.5	91.0	90.2	\$30
10	90.2	91.7	91.0	89.5	91.7	91.7	\$50
15	91.0	92.4	91.7	90.2	93.0	91.7	\$50
20	91.0	93.0	91.7	91.0	93.0	92.4	\$100
25	91.7	93.6	93.0	91.7	93.6	93.0	\$100
30	91.7	93.6	93.0	91.7	94.1	93.6	\$100
40	92.4	94.1	94.1	92.4	94.1	94.1	\$100
50	93.0	94.5	94.1	93.0	94.5	94.1	\$170
60	93.6	95.0	94.5	93.6	95.0	94.5	\$170
75	93.6	95.4	94.5	93.6	95.0	94.5	\$170
100	94.1	95.4	95.0	93.6	95.4	95.0	\$200
125	95.0	95.4	95.0	94.1	95.4	95.0	\$300
150	95.0	95.8	95.8	94.1	95.8	95.4	\$300
200	95.4	96.2	95.8	95.0	95.8	95.4	\$400

¹ Total Enclosed Fan-Cooled (also includes explosion-proof)

² Open Drip-Proof



For program guidelines or application, please visit with your local public power utility or go to www.nppd.com and click on EnergyWiseSM Incentives.