

## Heating and Cooling Options with ECMotor Inside



An ECM (electronically commutated motor) is a fan motor with all its controls built in. This allows the motor to adjust its speed to ensure optimum air flow at all times. ECMs are less expensive to operate than standard furnace or air handler fan motors, using much less electricity to deliver warm air from the furnace and cool air from the central air conditioning unit. ECMs operate with as little as 80 watts of electricity (about the same as a standard light bulb); that's as much as 75 percent less than a standard fan motor. You can save between \$40 and \$300 a year based on usage.

ECMs offer benefits in addition to saving energy and money. They may **reduce temperature fluctuations in your home, run more quietly than standard fan motors, reduce stale air and lower the drying effect of indoor air** during the winter heating season.

Minnesota Power offers rebates to help you get started with your new heating and cooling system or upgrading your existing system. See the table below for details on how you can participate in these special offers. *You must be a Minnesota Power residential customer, or commercial customer with an average demand of 100 kW or less, to participate. The heating and cooling system must be installed in a home or qualifying business served by Minnesota Power on a retail basis.*

Heating & Cooling Systems Options	Standard Rebate	+ ECMotor Inside Special Offer Some restrictions apply.	Total Rebate	Available Through
New Forced Air Furnace	\$0	\$250	\$250	December 31, 2012
New Ground Source Heat Pump with ECM	Up to \$1,250 Rebate based on type and size of system + federal tax credit	\$250	Up to \$1,500	December 31, 2012
Addition of Central Air Conditioning (CAC) or Air Source Heat Pump to existing forced air furnace	\$50	\$250	\$300	December 31, 2012
New Furnace and CAC with an ECM Combo	\$375	(Included in the \$375 Combo)	\$375	February 28, 2013
Replace existing standard motor with an ECM in a forced air furnace or heat pump	\$150	\$0	\$150	February 28, 2013