

# NRM

## Evaporator Fan Replacement Motors



Save 40% - 70% in energy use with our turnkey retrofit solutions for your walk-in and reach-in refrigerator and freezer cases.



# National Resource Management's Turnkey Retrofit Solutions Deliver Maximum Energy Savings with Minimal Disruption to Store Operations

**Our brushless, DC evaporator fan replacement motors reduce your energy costs up to 70% over conventional motors.**

Since 1995, NRM has been at the forefront of energy saving technologies for commercial refrigeration. Our current offering has been expanded to include the highest efficiency replacement fan motor (electronically commutated or EC motor) that can easily be retrofitted into existing walk-in and reach-in coolers and freezers.

Our engineers, project managers and fully licensed technicians are ready to manage your evaporator fan/motor retrofit project from start to finish. As part of our complete turnkey solution, we will:

- perform an energy audit,
- process all rebate applications (where applicable),
- engineer, specify and supply all EC motors, and
- design and fabricate any custom parts to ensure proper fit and performance of the motors upon installation into your existing walk-in and reach-in coolers and freezers.

**In most cases, all of your existing motors can be replaced in 1 - 3 days.**

You'll save significant money, energy and time — so much so that you may even consider expanding your refrigerator/freezer departments — giving your customers more products to choose from and your store increased opportunities for profit.



# Out with the old ... in with the new.

NRM's EC motors are designed as a drop-in replacement for shaded pole and PSC evaporator fan motors

## New EC Motor Installation for Walk-ins

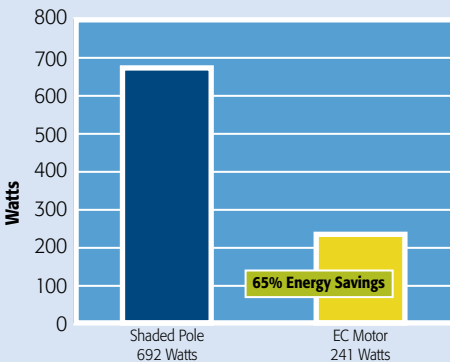
Our EC motors are up to 70% more efficient, providing continuous airflow at constant speed, thanks to an onboard microprocessor controller



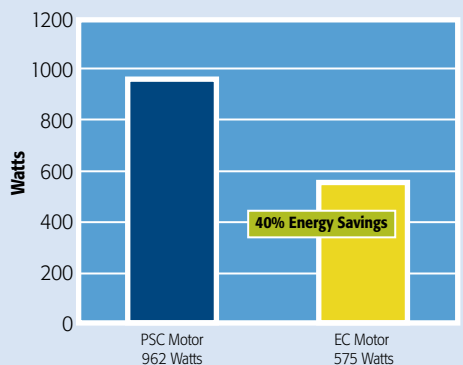
On average, each motor replaced should save around 900 kWh annually, providing grocery retailers with a quick payback on their installation. Utility rebates, where available, further enhance the payback period.

### Performance Comparisons of Motors in an Evaporator Coil of a Walk-in Cooler

6 Shaded Pole Motors vs. 6 EC Motors



7 PSC Motors vs. 7 EC Motors



New EC Motor Installation for Reach-ins



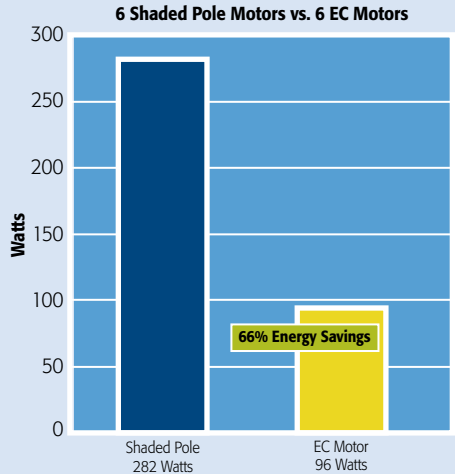
NRM works with equipment manufacturers to provide you with the most up-to-date technology for your particular application

15-year motor life rating

Because EC motors use significantly less electricity, they introduce less heat into the cooled space – resulting in lower refrigeration load and an added energy saving bonus

Motors available in 120V and 240V

Performance Comparison of Evaporator Fan/Motors in a Reach-in Case



# Utility Rebate Programs

## We do the paperwork, you get an even faster return on your investment

NRM participates in a variety of state- and utility-sponsored rebate programs around the country. Our turnkey service includes processing your application for the following areas:

### California

- Kema's BEST Program (Bay Area)
- Kema's Cool Biz Program (Bay Area)
- Pacific Gas and Electric
- Right Lights (Bay Area)
- Sacramento Municipal Utilities District
- San Diego Gas & Electric
- San Francisco Energy Watch (Bay Area)
- Smart Lights (Bay Area)
- Southern California Edison

### Connecticut

- Connecticut Light and Power
- United Illuminating

### Delaware

- Delaware Energy Office

### Idaho

- Idaho Power

### Iowa

- MidAmerican Energy

### Maine

- Efficiency Maine

### Maryland

- BG&E

### Massachusetts

- NSTAR
- National Grid
- Unitil
- Western Mass Electric

### Minnesota

- Xcel Energy

### Nevada

- Sierra Pacific Power

### New Hampshire

- National Grid
- Public Service New Hampshire
- Unitil

### New Jersey

- New Jersey's Clean Energy Program
- PSE&G

### New York

- Long Island Power Authority
- National Grid
- NYSERDA

### Oregon

- Energy Trust of Oregon

### Rhode Island

- National Grid

### Texas

- Austin Energy

### Utah

- Rocky Mountain Power

### Vermont

- Efficiency Vermont

### Wisconsin

- Wisconsin's Focus on Energy

Contact us  
for your **free**  
**energy**  
**audit today!**

If you don't see your utility listed here, ask. New utility programs are being added monthly.

- [www.nrminc.com](http://www.nrminc.com)
- **800.377.5439**
- [sales@nrminc.com](mailto:sales@nrminc.com)

# About NRM

Privately held, National Resource Management (NRM) was founded in 1991, primarily as a lighting conservation company. Since 1995, NRM has been a leading provider of cost-effective energy management solutions for walk-in coolers and freezers. In addition to high efficiency replacement motors,

NRM also offers the CoolTrol® Cooler Control System, primarily designed for use in stores, restaurants, and wholesale distribution centers. NRM's latest offerings include web-enabled remote site and fuel management solutions. NRM can provide complete lighting and refrigeration design services.



National Resource Management, Inc.

**For more information, contact NRM at:  
[www.nrminc.com](http://www.nrminc.com) • 800.377-5439 • [sales@nrminc.com](mailto:sales@nrminc.com)**

## **Corporate Headquarters:**

480 Neponset St., Building 2  
Canton, MA 02021

■ [www.nrminc.com](http://www.nrminc.com)

■ **800.377.5439**

■ [sales@nrminc.com](mailto:sales@nrminc.com)

**Ph:** 781.828.8877

**Fax:** 781.828.8895

## **Regional Offices:**

7313 Carroll Rd., Suite E  
San Diego, CA 92121

**Ph:** 858.693.8877

**Fax:** 877.866.8177

29572 Union City Blvd.  
Union City, CA 94587

**Ph:** 510.471.2000

**Fax:** 877.866.8177