



The MotorMaster+ Software Tool

Diagnose the energy use of your motor-driven system and identify ways to improve its energy efficiency

Discover Your Facility's
Energy-Savings Potential with
ITP Software Tools





The MotorMaster+ Software Tool

Developed by the U.S. Department of Energy's Industrial Technologies Program (ITP), MotorMaster+ is a free online motor selection and management tool. MotorMaster+ enables industrial energy coordinators, facility managers, and plant electricians to manage their motor inventory and maintenance logs in order to evaluate their energy efficiency and discover new ways to reduce energy use, thereby cutting costs and eliminating environmental impact.

How Does MotorMaster+ Work?

MotorMaster+ consists of a user-constructed database that allows the user to run the program on their hard drive or provide specific read/write access to other network users on a server. The creation of the user database requires six types of data inputs:

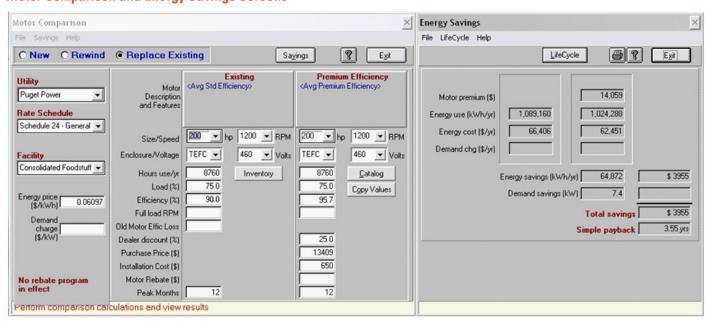
- · Company information
- · Utility service information
- · Facility information
- · Department information
- · Process-related operating schedules
- · Motor inventory information.

MotorMaster+ utilizes a list of more than 20,000 motors from 14 manufacturers to allow quick and accurate energy use and cost comparisons of motors with different efficiencies, in addition to repair-versus-replacement comparisons. This analysis assists users by calculating energy and dollar savings, simple payback, cash flows, and after-tax rate-of-return on investments.



MotorMaster+ Home Screen

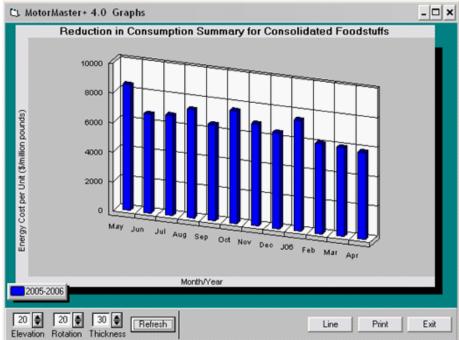
Motor Comparison and Energy Savings Screens



MotorMaster+ also provides technical data that can assist with the optimization of drive systems, motor purchasing, and energy accounting, as well as energy savings, tracking, and greenhouse gas emissions reduction reports. Overall, MotorMaster+ is a one-stop shop for motor assessments, evaluations, and recordkeeping.

Once established, user databases can be updated at any time—the program readily accommodates modifications to each facility or motor inventory list.

The accuracy of MotorMaster+ is dependent on the information one inputs; however, the program does not require users to fully construct a database to utilize its various features. For example, you can search an existing database of premium efficient motors



MotorMaster+ Graphical Output

from various suppliers without having to create your own, allowing for a quick and useful stand-alone resource.

What's the Next Step?

MotorMaster+ will guide you to the ITP resources that will help you implement energy improvements at your facility to realize energy and cost savings, including

- Other system-specific software tools to identify targeted savings opportunities
- · Consultations with ITP's Qualified Specialists
- Special training sessions for plant-wide and system-specific improvements.

How to Access MotorMaster+

MotorMaster+ can be **downloaded for free** at http://www1.eere.energy.gov/industry/bestpractices/software_motormaster.html

To learn more about MotorMaster+, visit http://www1.eere.energy.gov/industry/bestpractices/motors.html



More ITP Resources

In addition to MotorMaster+, ITP provides a variety of free software tools to help you identify energy-savings opportunities across your facility. These tools specifically target

- Compressed air systems
- Fan systems
- Process heating systems
- Pumping systems
- Chilled water systems
- Industrial facilities/buildings
- Steam systems
- Data centers.

To access these tools, visit http://www.eere.energy.gov/industry/bestpractices/software.html.

To learn about training opportunities on topics related to these systems, visit http://www.eere.energy.gov/industry/bestpractices/training.html.

For more information on ITP, visit http://www.eere.energy.gov/industry/.