Energy Independence and Security Act of 2007: Are You Ready?

On December 18, 2007, President Bush signed the new energy bill, the Energy Independence and Security Act of 2007, which sets minimum motor efficiency standards. While the law does not go into effect until December 2010, this brochure contains motors that already meet these new energy-efficiency levels. So, if you need to start planning now for current and future motor needs, turn to Emerson.

The Energy Independence and Security Act of 2007 will move the current energy efficient 1 to 200 horsepower general purpose product group to NEMA Premium®† efficiency levels (NEMA MG1 12-12) beginning December 2010.

There are also nine new product categories impacted by the new Energy Independence and Security Act of 2007 (unless otherwise noted Open and Enclosed 2, 4, 6 pole, usable on 230/460 VAC). The motors in these categories will be required to meet the energy efficiency levels by December 18, 2010. These include the following types of motors:

1) U-Frame Motors
2) Design C Motors
3) Footless Motors
4) 8 Pole Motors (900 RPM)
5) Close Coupled Pump Motors
6) HP’s from 201 to 500 General Purpose Design B
7) Firepump Labeled Motors
8) All Three Phase Motors with Voltages up to 690 volts other than 230/460
9) Vertical Solid Shaft Normal Thrust Motors (tested in horizontal configuration)

The Energy Independence and Security Act of 2007 will also maintain the IEEE12 method B or CSA 390 test methods. Motors that are imported as a finished product or as a component of a piece of equipment will also be covered by this new act.

Motion Industries stock a wide variety of EMERSON® and US MOTORS® brand NEMA Premium®† electric motors, including: Totally Enclosed Fan Cooled (TEFC) Hostile Duty; TEFC CORRO-DUTY®; TEFC 841 PLUS®; TEFC Cooling Tower Duty; and Open Dripproof (ODP). With Emerson’s NEMA Premium®† electric motors, you will be on your way to being READY to meet the requirements of the new energy law.

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COMPETITIVE CROSS-REFERENCE SEARCH CAPABILITIES
Over 50,000 cross references are available for popular EMERSON® and U.S. MOTORS® brands, both integral and fractional, for competitor or OEM catalog numbers and model numbers. The competition search tool is available at: www.emersonmotors.com/MRO

EXTENSIVE MOTOR AVAILABILITY NETWORK
Worldwide network of distributors with stock availability of EMERSON® Franklin and U.S. MOTORS® brand integral motors. View the list at: www.emersontools.com/MRO

ELECTRIC MOTOR SPECIFICATIONS & TECHNICAL DATA
Easily access up to date information on every EMERSON® motor. Find dimensional prints, performance data or catalog data, using diagnosis tools, service practices, and installation instructions. 3D models, and more. All at just a click away: www.emersonmotors.com/MRO

ONLINE CHAT
Get answers quickly to your technical or product questions through interactive online chat service at www.emersonmotors.com/MRO

ENERGY SAVING SOLUTIONS
At Emerson, our goal is to assist our customers in understanding their energy saving opportunities and help reduce operating costs at their facility. To schedule an energy evaluation and saving estimates appointment, contact your Emerson representative or call 877-600-3190.

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CORRO-DUTY® Brand
Totally Enclosed
Fan Cooled Motors
■ All Cast Iron Construction
■ NEMA Premium®† Efficient
■ Precision Balance (<0.08 In/Sec Vibration)
■ Oversized Conduit Box – 1 Size Larger than NEMA®† standard
■ Cast Iron Bearing Caps on 180 Frame and Larger
CORRO-DUTY® brand electric motors are designed for severe environments such as mining and aggregate. The added features of the CORRO-DUTY motor provide an even greater array of features to help protect and extend the life of the motor.

CORRO-DUTY motors are all cast iron — frame, end shield, fan cover and conduit box — to help protect from rock chips and damage. The corrosion resistant mill and chemical duty paint help protect the motor exterior from rust and corrosion. The shaft slinger on the pulley helps protect the internal components from dust. The steel nameplate and zinc hardware protect against rust. The precision balance helps reduce vibration.

CORRO-DUTY motors meet NEMA Premium®† efficiency standards allowing for greater performance and help in saving energy costs. Available from 1 to 200HP , 230/460V, 460V and 575V in 2, 4 and 6 pole options. Footed and c-face footed options are available.

CORRO-DUTY® Brand
Totally Enclosed
Fan Cooled Motors
■ All Cast Iron Construction
■ NEMA Premium®† Efficient
■ Precision Balance (0.06 In/Sec Vibration)
■ Corrosion Resistant Mill & Chemical Duty Paint
■ Oversized Conduit Box – 1 Size Larger than NEMA®† standard
■ Class F Insulation, Class B Temperature Rise at Full Load
■ 5 Year Limited Warranty*
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Emerson Motor Company offers a variety of options for mining and aggregate applications.