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DOE Proposes their Biggest Energy Saving Standards Yet

DID YOU KNOW? 

The North America air-conditioning systems market is expected to reach \$52.56 billion by 2020, according to a recent study by [Grand View Research](#).

MARKET TRENDS 

MRG Stocks WSHP's

No more are the days of waiting 6-8 weeks for a water source heat pump (WSHP). We stock Daikin WSHP's and accessories in Nashville for your convenience.

- ¾ ton to 10 ton units; various configurations and voltages
- Accessories, including auto-flow hose kits, thermostats, and vibration isolation

If you have a competitor's unit to replace, no problem! We can cross-reference any manufacturer's unit.

Call our Aftermarket/Parts department today at [615-921-4700](tel:615-921-4700).

Q & A 

QUESTION: What change has the biggest impact on energy efficiency?

ANSWER: According to the Department of Energy, LED lighting has the greatest potential impact for widespread energy savings in the United States. By 2027, widespread use of LEDs could save about 348 TWh of electricity, which amounts to a

Greetings,

How are you taking action to improve your company's energy efficiency? October is National Energy Action Month and a time to celebrate the strides you made in creating a more sustainable business while acknowledging the steps you still need to take to realize maximum energy efficiency.

The establishment of energy efficiency goals is just the first step in creating a more cost efficient, sustainable facility. When you are ready to accomplish these goals, call the experts at [Mechanical Resource Group](#) to begin a course of action.

Mission Critical, "Ride Through" Capabilities

Remember in the '70s when distribution faults caused rapid closure of grid power switches to contain a short circuit fault? And the lights would blink? But for those of us in the HVAC industry, that momentary interruption allowed a minor shift in the position of the drive to the magnetic slip of the motor rotor. When the power was restored, the torques on the drive line were enormous. As much as 10 times the normal starting torque that would shatter keyways or strip gears.



The solution then was to detect the momentary interruption (in less than a cycle) and take the chiller safely off line. Problem solved. But the chiller was off line and would take more than 15 minutes to restart.

Today the Daikin magnetically levitated machine will "ride through" these momentary interruptions, synchronize the motor with the power phase, and resume operation without a shutdown!

Take a look at this video. For those of us that have been around for years, it's INCREDIBLE!

DOE Proposes their Biggest Energy Saving Standards Yet

Last month, the U.S. Department of Energy (DOE) proposed new efficiency standards that would lower commercial rooftop air conditioner



total savings of more than \$30 billion at today's electricity prices.

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energy use by approximately 30%. The new standards, if approved, would achieve the largest national energy savings of any standard ever issued by the DOE.

DOE estimates that, over the lifetime of units sold within a 30-year time period, the proposed standards would save businesses between \$16 and \$50 billion and reduce electricity consumption by about 1.3 trillion kilowatt-hours. That is enough energy to cool all the commercial buildings in the U.S. for 7 years. The new standards would net a typical building owner between \$3,500 and \$16,500 over the life of a single commercial rooftop air conditioner, while overall savings will often be higher since most buildings have multiple units.

Read more about the new efficiency standards [here](#) and contact [Mechanical Resource Group](#) for ways to lower your company's energy and operating costs now.

GREEN INITIATIVES

ENERGY SMART

COMFORT ZONES

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