



# News Release

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**FOR IMMEDIATE RELEASE**

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**February 11, 2011**

## **Premium Efficiency Two-Speed Pump Motor with Integrated Timer Now Available**

Tipp City, Ohio—A. O. Smith Electrical Products Company today announced the release of its 2Green™ premium-efficiency line of two-speed pool and spa replacement motors equipped with integrated timer.

With energy efficient high and low speed windings paired with an onboard timer interface, the 2Green™ motor design is compliant with California Title 20 and pending Florida (HB 7135) statutes for replacement pump motor filtration system applications.

The latest addition to A. O. Smith's Green Choice® family of replacement pump motors, the 2Green™ motor design incorporates a programmable timer interface which eliminates the need for a separate timer. This design integration can make an installation of a compliant replacement solution faster and easier for service contractors.

"The all-in-one design of a 2Green™ motor means no additional wiring is required," stated Warren Doney, market manager of A. O. Smith Electrical Products Company.

Pool owners stand to benefit the most, however, as the 2Green™ motor's premium efficiency two-speed design augmented by the integrated timer can reduce energy consumption by as much as 58 percent over a standard single speed pump motor.

"Energy efficiency mandates driven by increased environmental awareness and concerns over energy consumption continue to shape all facets of our lives extending now to the backyard pool and spa," Doney noted. "The 2Green™ motor with integrated timer fully addresses the regulatory requirements while offering pool and spa owners a documentable financial benefit as the reduction in energy consumption translates to overall lower cost of ownership and operation."

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Currently the lineup of 2Green™ motors includes five ratings ranging from ¾ - 2 HP (high speed) in square flange configuration with plans for the release of similarly rated C-Face models later in 2011. The 2Green™ premium efficiency motor incorporates a run capacitor on both high and low speeds, improving electromagnetic balance. The resulting increase in power factor and watts efficiency conversely lowers amp draw evidenced by lower operating cost.

“The energy savings achievable by operating a pool pump on lower speeds serves as the basis for the regulatory stance taken by California and Florida,” stated Howard Richardson, director of engineering at A. O. Smith Electrical Products Company. “The horsepower required to move the water through the pool or spa plumbing system drops much faster than the speed. So while it may take one horsepower to move the water through the pipes on high speed, it can take as low as 1/8 horsepower to move half as much water on low speed.”

While it may take twice as long on low speed to move the same amount of water, the lower horsepower required results in significant energy savings.

With no external parts or connections to the existing plumbing or electrical system required, the installation of a 2Green™ motor is basically the same as that of a standard replacement motor. Once the motor is powered on, the installer or pool owner can enter start and stop times for both high and low speeds thanks to the step-by-step on-screen instructions. Other key timer interface features include:

- Weather-proof timer enclosure protects electronics from the elements and UV radiation.
- Built-in battery backup (seven-year life) protects programming in case of unexpected electrical outage as well as during off season (if applicable).
- Display with LCD backlight and adjustable contrast.
- Manual override so user can change motor parameters without having to adjust preferred program settings.
- On-screen motor status updates including mode (high, low, off) and time remaining.

To learn more about the new 2Green™ premium efficiency two-speed replacement motor with integrated timer, visit [www.pool-motors.com](http://www.pool-motors.com).

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#### **About A. O. Smith Electrical Products Company**

*A. O. Smith Electrical Product Company based in Tipp City, Ohio, manufactures a comprehensive line of fractional horsepower A/C and D/C, hermetic, and integral horsepower electric motors used in a wide array of consumer, commercial, and industrial products. For more information, visit [www.aosmithmotors.com](http://www.aosmithmotors.com).*