

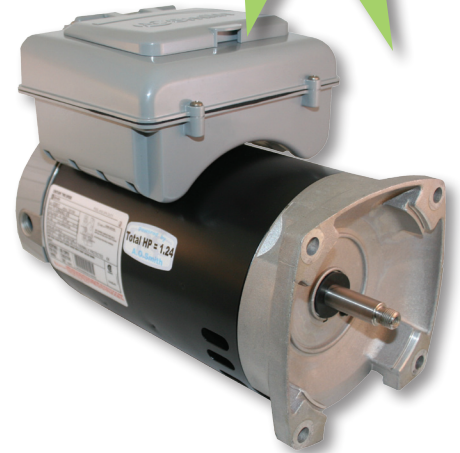


A premium efficiency motor in the Centurion motor family.

Achieve
up to **58%**
Energy Savings!

Premium-Efficiency 2-Speed with Integrated Timer

A. O. Smith's new 2Green two-speed premium efficiency replacement pump motor with integrated timer packs tremendous value into an easy-to-install package. Energy efficiency continues to drive the needs of the pool market, from legislation to increased awareness of energy costs and environmental impact. And thanks to the 2Green's energy efficient high and low speed windings paired with an onboard timer interface, energy consumption can be reduced by as much as 58% over single speed motors. The all-in-one integrated motor and timer means less work for an installer and maximum energy savings for pool and spa owners. A. O. Smith's 2Green is Title 20 compliant** and best of all, there is no additional wiring required for new construction or retrofit installations!



**California's Title 20 legislation states that pumps > 1HP (total) must be 2-speed or variable speed, and must have a control to default to low-speed (i.e. timer)

FEATURES

- All-in-one design with integrated motor and timer as one unit
- Rain-proof timer enclosure
- On-screen motor status updates
- Built-in battery backup protects programming for 7 full years
- Integrated LCD backlight and adjustable contrast
- Intuitive step-by-step screen instructions
- Manual override

BENEFITS

- No additional wiring required! – other aftermarket timers require external leads and can be wired incorrectly
- Other aftermarket timers require a secondary enclosure for outdoor use of the electronics
- Unique feature that provides user feedback (if the shaft is locked for instance) which can reduce motor failures; shows the mode (high, low, off) and time remaining
- No need to replace battery (unlike other timers) or reset time/settings during a power outage or off-season
- Ensures the display can easily be viewed in dark, shady, or direct sunlight conditions
- Step-by-step instructions make initial setup and any future programming changes simple
- User can instantly change motor parameters for cleaning or maintenance without adjusting permanent settings



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Features:

- Integrated Timer Interface
- Timer Mode
- Adjustable Contrast
- Manual Mode
- Over Current Protection
- Battery Backup - Program Saver
- LCD Display with Backlight
- Ball Bearing
- Class B Insulation
- 50°C Ambient
- High Efficiency High and Low Speed
- Open Dripproof
- Rotation: CCW Pump End
- Single Phase
- 303 Stainless Steel Shaft

Two-Speed - "1081" Capacitor Run Low Speed, PSC High Speed, Sq. Flange

HP	RPM	Volts	Service Factor	Service Factor Amps	Stock Number	Total HP	Percent Energy Savings*	Yearly \$ Savings**
3/4 ~ .10	3450/1725	230	1.67	6.0/1.0	B2980T	1.25	58%	\$633.32
3/4 ~ .10	3450/1725	115	1.67	12.4/2.2	B2981T	1.25	55%	\$606.29
1 ~ .13	3450/1725	230	1.65	7.4/1.4	B2982T	1.65	51%	\$625.60
1 1/2 ~ .19	3450/1725	230	1.47	10.0/1.6	B2983T	2.21	51%	\$687.79
2 ~ .25	3450/1725	230	1.30	11.0/1.8	B2984T	2.60	53%	\$634.53

*Savings over the equivalent single speed motor.

**Calculated @ \$.23 per Kilowatt hour, pumping same amount of water as a single speed motor, eight hours per day.
See the Energy Savings Calculator at: www.aosmithmotors.com

The reasons a 2Green™ premium-efficiency replacement motor can offer such impressive savings are numerous including:

- An integrated timer interface allows for easier installation and operation of a two-speed replacement motor. The all-in-one design reduces installation time and expense with no additional wiring required.
- A run capacitor used on both high and low speeds improves electromagnetic balance increasing the power factor and watts efficiency resulting in lower amps and lower operating cost.
- The amount of horsepower required to move the water through the pipes drops much more quickly than the speed. While it may take one horsepower to move the water through the pipes on high speed it only takes 1/8 horsepower to move one half as much water through those same pipes on low speed. Even when run on low speed twice as long to pump the same amount of water as on high speed, the lower horsepower results in significant energy savings.



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