

# IntelliPro® VS-3050

## Intelligent Variable Speed Pump

By Sta-Rite®



*The single most valuable investment  
you can make in your pool*



# A monumental advance in **energy efficiency**, service life and silent operation



Most pool owners are shocked when they learn how much a pool pump can cost to operate, because it isn't itemized on their electric bill. But, a single-speed or two-speed pump can consume as much energy as all other home appliances combined—and often more than \$1,000 per year in areas with the highest energy rates.

IntelliPro® vs-3050 can typically cut energy use by up to 90%, generally saving \$620 to \$1,360\* in utility costs annually—more where rates are higher than average. Two technology innovations are responsible for this remarkable list of performance improvements.

\*Savings based on a comparison pump running between 6 and 12 hours per day at the national average of \$0.15/kWh in a 20,000 gallon pool. Savings may vary based on plumbing size and length, pump model, service factor, flow rates and other hydraulic factors.



## **1. Exclusive, advanced motor technology**

First, IntelliPro employs exclusive permanent magnet motors (used in hybrid cars), a fundamentally more energy efficient design compared to traditional induction motors.

## **2. Onboard intelligence with variable drive**

Second, IntelliPro includes a variable speed capability, along with digital controls and proprietary software that allow custom programming of optimum pump speeds for specific tasks—filtering, heating, cleaning, spa jets, waterfalls, etc. There are four individual, adjustable speed settings at your command.

For virtually all applications, the optimum speed will be lower than the pre-set, unchangeable speed of older pumps. Using slower speeds takes advantage of a fundamental pump law: slower is far more efficient. The result is up to 90% in savings compared to even so-called high-efficiency, single-speed and two-speed pumps.

These combined innovations result in a pump that often uses just a fraction of the horsepower of standard pumps, reducing energy use dramatically. While that's impressive, wait until you see the savings potential.

# The Savings Specifics

Since the cost to operate your pool pump isn't itemized on your electric bill, you're probably wondering just how much an IntelliPro could save. Here are realistic estimates when comparing a traditional energy-efficient (EE), single-speed pump to IntelliPro in a 20,000 gallon pool. Savings are calculated using 6 and 12 hours of operation, which represent common run times.



- At \$0.15/kWh estimated savings range from \$620 to \$1,360\* per year.
- At \$0.20/kWh estimated savings range from \$825 to \$1,810\* per year.
- At \$0.30/kWh estimated savings range from \$1,240 to \$2,710\* per year.

As you can see, the savings with IntelliPro can be dramatic and the return on investment nearly immediate. Over the long life of the pump your savings can reach thousands of dollars. And that's why we (and a growing legion of top pool professionals) say IntelliPro is simply the most valuable single investment you can make in your pool.

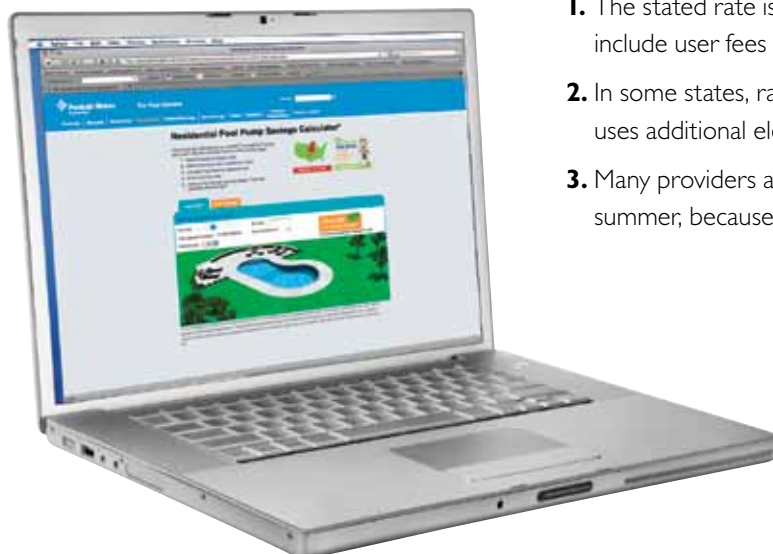
\*Savings may vary based on plumbing size and length, pump model, service factor, flow rates and other hydraulic factors.

## Estimate Your Savings Online

If these comparisons don't match up with your local electric rates or pool size, you can estimate your savings online at [www.staritepool.com/calculators](http://www.staritepool.com/calculators). Just click on our Pool Pump Energy Savings Calculator.

### A note about utility rates

Posted rates and effective rates are not the same thing. Your base posted electricity rate may be 10¢ per kilowatt hour (kWh) or less. So why are we starting our calculations at 15¢ per kWh? We've taken into account the many additional factors that make your effective rate higher:



1. The stated rate is only for electricity used. It does not include user fees and taxes that vary by state and provider.
2. In some states, rates increase substantially as a consumer uses additional electricity beyond a set baseline.
3. Many providers assess a surcharge per kWh during the summer, because demand for electricity is higher.

# More Unique

## Performance Advantages

**The quietest available.** The exclusive permanent magnet motor so critical for energy savings is also a totally enclosed fan cooled (TEFC) design. This, combined with running at a lower speed, is responsible for IntelliPro being the quietest pump you can install. At typical speeds you can barely hear it operating.



**A new standard for service life.** IntelliPro's advanced motor produces far less heat and vibration than a traditional induction motor. This means less stress and wear on pump components. It also eases the strain on other equipment. IntelliPro also features built-in diagnostics that protect it from the most common causes of premature pump failure—overheating, freezing and voltage irregularities. Combined, these features promise remarkably long, trouble-free service life to further increase your return on investment.

**Adjustability maintains efficiency as things change.** Because IntelliPro allows you to change pump speeds, you can add equipment and features or change them without concern about losing your dramatic energy savings. Just push a button to set the new, optimum speed to operate with the lowest energy use.



## Vary the sights and sounds of your poolscape.

IntelliPro also gives you the unique ability to alter the performance of your water features. Add height to deck jets or fountains. Increase or decrease the flow to waterfalls or a vanishing edge. Just push a button to adjust as you desire. No other pump allows you to change your poolside atmosphere.

## Adding It All Up

Enjoy tremendous cost savings. Virtually eliminate pump noise. Achieve greater value as a result of longer pump life. Change or add equipment without concern about pump performance or efficiency. Manage the sights and sounds of your backyard with your pump.

IntelliPro vs-3050 may sound too good to be true. But, this revolutionary product is already delivering all of these unique benefits in thousands of pools. And that's why it is, in fact, the single best investment you can make in your pool.



Four function buttons to set speeds for filtration cycles, spas, water features and more

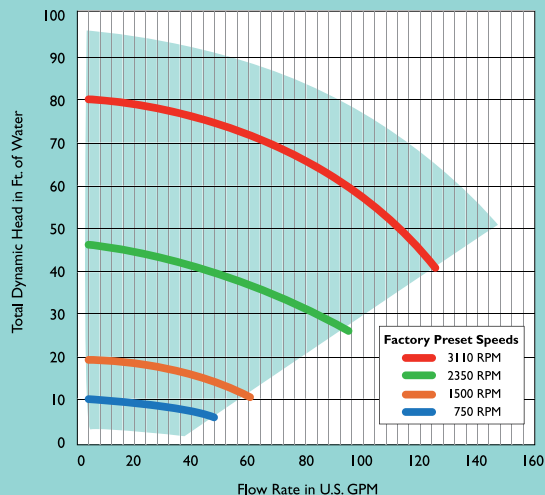
Speed adjustment buttons – you or your pool professional dial in the most efficient speed for each application

Alarm Status light – a sequence of blinks alerts you of conditions that may need attention

## So sophisticated, it's simple

Programming IntelliPro VS-3050 is as easy as setting the stations on your car radio. With the pump running, simply press one of the four speed buttons to switch to the desired speed (factory settings are 750, 1500, 2350 and 3110 RPMs). Then, just press the “up” or “down” button to increase or decrease the speed setting between 400 RPMs and 3450 RPMs. It's that simple to optimize water flow for any application. Of course, your pool professional can make a simple calculation to determine the perfect speed settings. And remember, as you change or add equipment and features, speed settings can be quickly adjusted to ensure the lowest amount of energy is consumed.

### Pump Performance Curves



NOTE: The chart above demonstrates performance rates at factory preset speeds of 750 RPM, 1500 RPM, 2350 RPM and 3110 RPM. However, flow rates can also be custom programmed between the ranges of 400 RPM and 3450 RPM as indicated by the green tint.

# Automate with Pentair Water Pool and Spa® Control Systems

## For even greater convenience with push-button simplicity

Combine an IntelliTouch®, EasyTouch® or SunTouch® control system with your IntelliPro® vs-3050 to further enhance pool equipment performance and operating convenience. Now you can automate and adjust the sights and sounds of your water features while controlling the operation of all scheduled routines: filtration, cleaning, pool and landscape lights, spa operation, heating and more... with the push of a button. No need to memorize operating sequences, open and close valves, or reset time clocks and thermostats. It's all done for you automatically.

Plus, for the ultimate in convenience, indoor, spa-side and wireless remote control devices are also available. And now new software is available to control access from your iPad®, iPhone® or iPod touch®.\*

NOTE: IntelliPro vs-3050 pump has been designed to operate specifically with Pentair Water Pool and Spa® control systems. To integrate IntelliPro vs-3050 with other manufacturers' controllers, an IntelliComm® or an IntelliComm® II control must be purchased separately and installed properly. See owners manual for details.

\* iPad®, iPhone® and iPod touch® are registered trademarks of Apple Inc.



## An Eco Select™ Brand Product

The Eco Select™ brand identifies our "greenest" and most efficient equipment choices. These products save energy, conserve water, eliminate noise, or otherwise contribute to a more environmentally responsible equipment system.



As the global leader in pool and spa equipment manufacturing, we strive to provide greener choices to our customers. We hope you'll join us in embracing more eco-friendly pools by choosing Eco Select branded products for your swimming pool.

## Start Saving Today

Visit [www.staritepool.com/calculators](http://www.staritepool.com/calculators) and try our Pool Pump Energy Savings Calculator to determine how much you can save with IntelliPro vs-3050. See your pool professional about this and other innovative and efficient products from Pentair Water Pool and Spa.



**Simply Smarter.**

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