



# MAKE A SAVINGS SPLASH WITH ENERGY STAR® CERTIFIED POOL PUMPS

The simple choice for energy efficiency.



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## Have Fun in the Sun and Save!

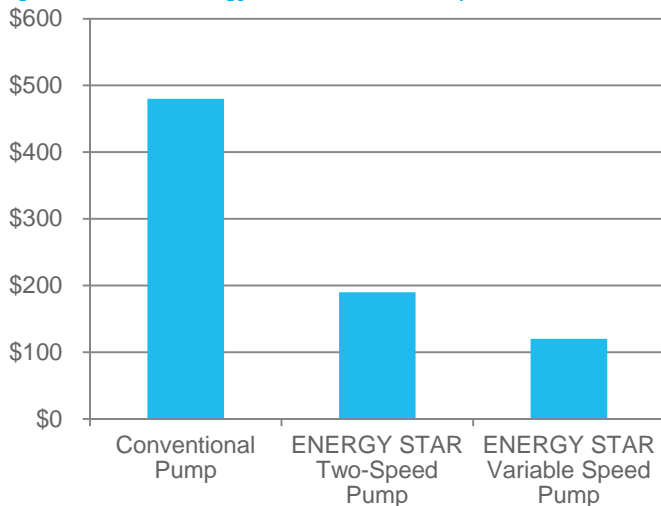
Pool pumps that have earned the ENERGY STAR are independently certified to save energy, save you money and help prevent climate change. In fact, they:

- Use up to 70% less energy than standard pool pumps
- Save you \$290 - \$350 per year in energy bills
- Run quieter and prolong the life of your pool's filtering system
- Use reliable two-speed or variable-speed technology

Conventional pool pumps use the same high pump speed regardless of the task assigned—even though filtration, the number one task of a pool pump, requires half the one-half the speed (using one-eighth the power) of pool vacuuming. ENERGY STAR certified pool pumps can run at the lower speeds ideal for filtration to save energy and are available in two types:

- Two-speed models that use a low speed for filtration and a high speed for cleaning.
- Variable speed models that can be programmed to deliver the right flow for multiple tasks.

Figure 1: Annual Energy Costs for Pool Pumps



## Take Advantage of Utility Incentives

Many utilities offer incentives for purchasing an ENERGY STAR certified pool pump. The table below shows several examples from across the country. Check with your local utility for more details or go to [www.energystar.gov/rebatefinder](http://www.energystar.gov/rebatefinder).

Table 1: ENERGY STAR Certified Pool Pump Rebates

State	Utility	Incentive
AZ		\$100
CA		\$100
HI		\$150
IL		\$400
MD		\$150-\$400
NC		\$300
PA		\$350
TX		\$300

## Save Thousands of Dollars

An ENERGY STAR certified pool pump can save you thousands of dollars over the lifetime of the product, meaning an investment in a certified pool pump will pay for its additional costs in less than two years.

Table 2: ENERGY STAR Certified Pool Pump Savings

Type of Pool Pump	Annual Savings (\$)	Annual Savings (kWh)	Lifetime Savings (\$)	Payback (years)
Variable Speed	\$350	2,800	\$2,900	1.6
Two Speed	\$290	2,300	\$2,400	0.8

## When Do You Need a New Pool Pump?

The most obvious sign that you need a pool pump is when the motor is completely dead. However, there are other warning signs you should be aware of – such as when your existing pool pump:

- Is seven to ten years old
- Does not seem to be as powerful
- Continually makes noise
- Gets hot and shuts down
- Hums or buzzes but will not start
- Starts slowly

## How Do I Know That My Pool Pump Is Installed Properly?

A pool pump installer should be:

- Inspecting the pool area and identifying possible hazards, then ensuring the area is ready for maintenance and pool pump replacement.
- Calculating the volume of the swimming pool to determine the total amount of flow required to adequately circulate water through the filtration system.
- Determining the wattage use of the existing pool pump and amount of usage on a daily basis to estimate total annual energy use of the pump.
- Estimating expected usage of new pump to calculate expected energy use and savings.
- Calibrating the flow of the new pool pump to obtain adequate circulation at the lowest possible motor speed. The minimum speed required is one that would lead to a 12-hour turnover (per ANSI/NSPI-5 2003). Turnover is the period of time required to circulate a volume of water equal to the pool's volume.

## How Do I Choose a Pool Services Contractor?

In addition to being insured, check to see if your pool service contractor has any of the following additional qualifications:

- Affiliated with pool builders or retailers of pool supplies
- Certified as an Aquatic Energy Auditor by the Foundation for Pool and Spa Industry Education
- Certified by a pool pump manufacturer
- Licensed to perform pool services in your state.

**Table 3: License Requirements for Some States**

State	License Type	Description
AZ	L-06: Swimming Pool Service and Repair	Service, replacement, and repair of swimming pools including all existing connections and equipment.
CA	C61/D-35: Pool and Spa Maintenance Contractor:	Installs, replaces or repairs pool motors, pumps, filters, gas heaters and any above ground piping in connection with pools; includes electrical switches, breakers, pool lights, diving boards, existing solar systems that heat pools, pool and spa acid baths and applies vinyl liners to existing surfaces
FL	Class C: Swimming Pool/Spa Servicing Contractor	Limited to the non-structural repair and equipment servicing of pools. They cannot build a pool. Cannot pull a permit.
FL	Class B: Residential Pool and Spa Contractor	Limited to residential pool building and major repairs (can pull permits for residential pools) and can do anything a class C license is allowed to do
FL	Class A: Commercial Pool and Spa Contractor	This license type is unlimited in the pool industry (commercial and residential pools).
NC	Specialty Contractor: Swimming Pools	Includes construction, service and repair of all swimming pools.
NV	A10E: Commercial and Residential Pools Contractor	Maintenance and repair of pools and spas

*ENERGY STAR® is the simple choice for energy efficiency. For more than 20 years, EPA's ENERGY STAR program has been America's resource for saving energy and protecting the environment. Join the millions making a difference at [energystar.gov](http://energystar.gov).*