

How to Find the Right Swimming Pool Pump & Motor Size to Save Money on Your Valley Electric Bill

www.akoolpool.biz

If your electric bill is shockingly high, the problem may be in the pool pump and motor.

Let's begin by correcting a common error in terminology. While the pump and motor are two *different* components of the water circulation system; they are typically referred to as the "pool pump". The pump is the heart of the pool circulation system.

No one wants to walk into their back yard and find a green swimming pool. Unfortunately, in an effort to save money a high electric bill, homeowners don't always run their [swimming pool pump](#) they way they should. With a little knowledge and information you can save money on your monthly utility bill, your pool maintenance will be easier and you're swimming pool water will look inviting and refreshing.

It is impossible to clean your swimming pool water without proper circulation and filtration. The overall goal of your pool circulation system is to cycle the water thru the pool filter system, where dirt and debris are removed and the water is returned to the pool, clean and inviting.

Getting the right size of pool pump and motor is the key to having proper circulation.

How do you know if you have [the right swimming pool pump size](#)? Let's say your swimming pool water volume is 15,000 gallons, the industry standard for residential in ground pools is to turnover that volume of water every 12 hours or twice a day. Pumps on the other hand have a different terminology of "gallons per minute" or GPM. The goal is to exceed the turnover rate and use the least amount of energy doing it.

Now is the time to do a little arithmetic, here is the example;

-Your pool holds 20,000 gallons of water

-The turnover rate is $2 \times 20,000$ gallons = 40,000 gallons per day

Now is the time to convert the pump specifications of gallons per minute

-40,000 gallons of water divided by 24 hours = 1666 gallons per hour

-1666 gallons per hour divided by 60 minutes = 28 gallons GPM per minute

Remember the 28 gallons per minute equates to running your **swimming pool pump** for 24 hours. Most people run their pumps for 8 hours per day. That means for the

majority of the day, the pool water is just sitting there not circulating. It is during that stagnant time that all the bad things happen; debris buildup, Ph swing, and algae outbreaks.

The right pool pump and motor help save on the electric bill as well as pool repair.

A Kool Pool Service recommends splitting your hours of pump operation to twice a day; 6:00 am to 11:00 am and again at 5:00 pm to 8:00 pm. The intent is to circulate water twice a day eliminating some of those bad things and it eliminates electrical usage during those peak hours of usage, hopefully saving black outs during high heat days.

If you are in the market for a **swimming pool pump** keep this in mind when evaluating cost. The most important factor for any swimming pool pump is not how much it costs to buy it, but how much it costs to operate and own. The best choice will be to upgrade to a variable flow or variable speed pump. It is good for your budget and it is good for the environment.

A Kool Pool Service provides professional and reliable swimming pool service to the Coachella Valley, Palm Springs, Cathedral City, Rancho Mirage, and Palm Desert, Bermuda Dunes, La Quinta and Indian Wells. They have a reputation of maintaining long lasting relationships with our customers. A Kool Pool specializes in pool pumps that help maintain safe pool water. To get more information on pool services in Coachella Valley and surrounding areas, visit www.akoolpool.biz, email akoolpoolserv@aol.com or call 760-773-0135.