

# Pool Cooling Efficiency & Cost Analysis



Product	Glacier Pool Coolers	Heat Pump Chiller
Process	Electrical Fan	Heat Exchange
AMPS (avg. running)	8	40
Approx Power Rating (watts)	528	8,320
Run Time	10 hours	10 hours
Energy Cost (based on 12 cents/kwh) *	\$.63	\$9.98
Average time to reduce a 25k pool 10 degrees	10 hours*	24 hours
Efficiency and Cost	Less than \$1 to cool overnight \$25 and 24 hours to reach temp.	

The above data is based on nationwide Cents/ KW/H averages. Cents/ KW/H vary by each state and power provider. The amount used is for illustration purposes only. Glacier Pool Coolers llc in no way warrants or guarantees any information in this comparison. Customers should use their own city/state KW/H rates when determining actual operating costs.

\*Glacier Pool Coolers average 10-15 degrees on the overnight run times but vary due to variables on pools. These are not exact, guaranteed degrees. All pools differ due to the heat load due to the sun, exposure, any color plaster pools, and depth.

## Pool Chilling Systems Work

After the water passes through the filter, a bypass is installed to the Glacier Pool Cooler. The pressurized water flows over a medium and is chilled by airflow created by the unit's fan. The chilled water is pumped back in the pool through returns.



This is for illustration purposes only. All pool set ups are different, and the installer should follow Glacier instructions.