Equipment Sizing & Upgrade Planner

What this site's calculators say you need, checked against what you have

Pool name _____ **Volume (gallons)** _____

Run your pool's numbers through this site's own calculators, then log the result and what you actually have. That way an upgrade later, a bigger pump, a heat pump, gets checked against the same target instead of a guess.

Sizing targets, from the site's calculators

Item	Calculator target	What I have	Fits?
Pump flow (GPM) for an 8-hour turnover	From the pump size calculator		
Filter type & flow rating	Matched to pump GPM		
Heater or heat pump size (BTU)	From the heater size calculator		

Variable-speed pump: the energy math

A variable-speed pump filters at a lower RPM most of the time, so the savings comes straight from watts times hours times your electricity rate. Fill in your own numbers; this sheet does the arithmetic, it does not assume a result. For example, if you run 4,320 fewer watt-hours per day (a 950W single-speed pump running 8 hours versus an equivalent variable-speed pump on a low daily wattage), that is 4.32 kWh/day. At $0.15/kWh, that is about $0.65/day, or roughly $19 to $20 across a 30-day billing cycle. Results vary with your rate, run time, and pump size; use your own utility bill and pump wattage, not this example, for your own total.

Field	My numbers
Current pump wattage (from the nameplate)	
Current daily run hours	
Current daily watt-hours (wattage x hours)	
Variable-speed pump low-RPM wattage (from spec sheet)	
Variable-speed daily watt-hours at that setting	
Daily watt-hour difference	
My electricity rate ($/kWh, from utility bill)	
Estimated daily cost difference (watt-hours / 1000 x rate)	
Estimated monthly cost difference (x 30)	

Full equipment checklist

Item	Have it?	Brand / model	Still need
Pump			
Filter			
Heater / heat pump			
Salt cell, if salt system			
Test kit			
Robotic or manual cleaner			
Safety cover or solar cover			
Pool alarm / door alarm, if used			

Sized gear by pool tier

Every item above, priced and grouped into three ready-to-shop tiers by budget: poolcarecalculator.com/kit/pool-care-planner/gear/.

- **Variable Speed Pool Pump, In/Above Ground**: A 1,200 to 4,000 RPM variable-speed pump that filters at a low, quiet speed for real energy savings over a single-speed motor.
- **SuperFlo VS Variable Speed Pump, 1.5 HP**: The quiet, durable name-brand benchmark for a full-feature inground system.
- **CCP420 Filter Cartridges (4-Pack)**: A replacement 4-pack that keeps a cartridge filter from the pressure creep a worn-out cartridge causes.
- **75,000 BTU Inverter Pool Heat Pump**: A variable-speed inverter heat pump with WiFi control, the efficient way to stretch the swim season warm.

Current prices and our latest picks for each item: **poolcarecalculator.com/kit/pool-care-planner/gear/**

Researched guidance, not professional advice. This is researched pool-care information, not professional advice. Follow the product label for any dose, never mix chemicals, and follow your local codes for pool safety and drain covers.