

AquaGeyser Pumps

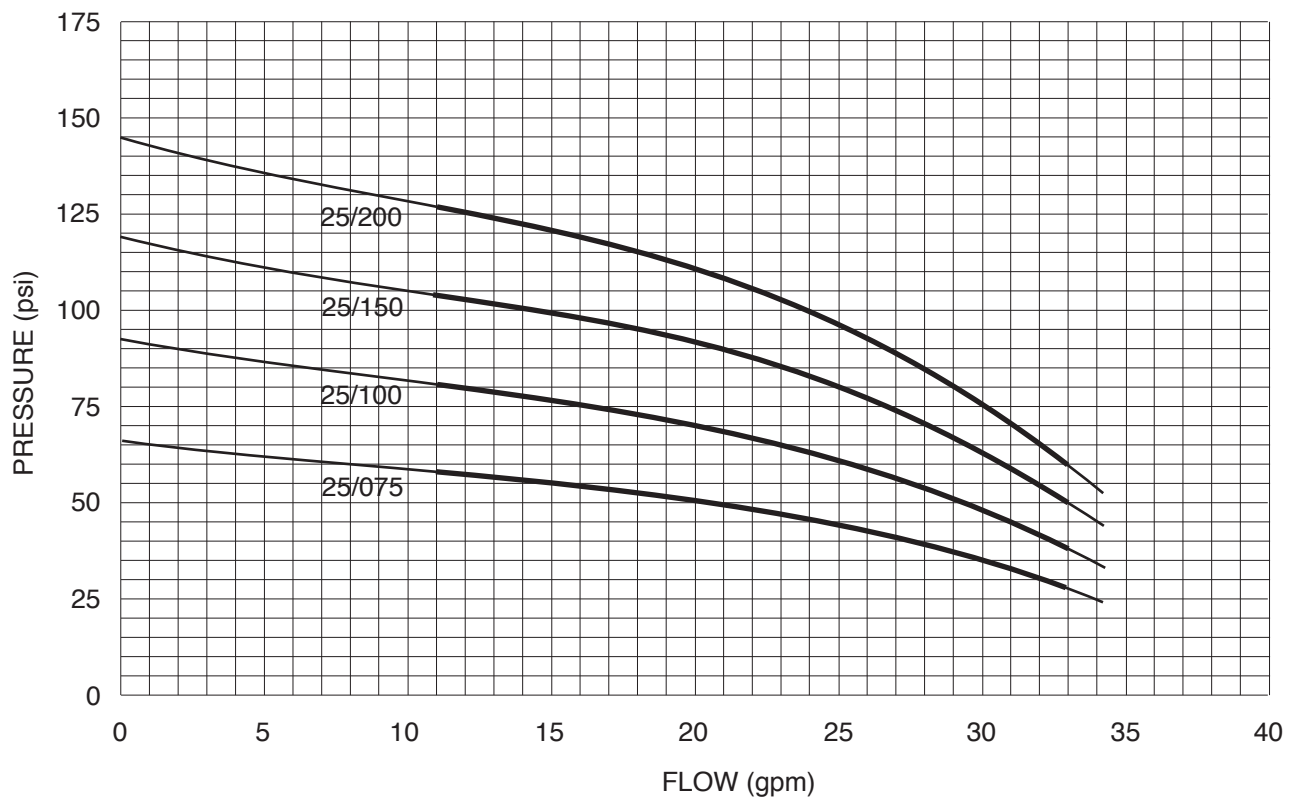
CT AquaGeyser Pumps are high-efficiency stainless-steel turbine pumps encased within PVC flow-inducing sleeves with optimal dimensions for motor cooling. Unique triangular end plates with rubber bumpers provide stable support on any surface and are easily removed for pump maintenance. A flexible floating intake assembly at one end draws clean water from just under the water surface. A flexible discharge assembly at the other end conveys the pressurized water to a quick-connect fitting at the top of the tank, and a rope harness restrains pump movement. The entire assembly can be inserted or removed through a 20" or larger accessway without entering the tank.

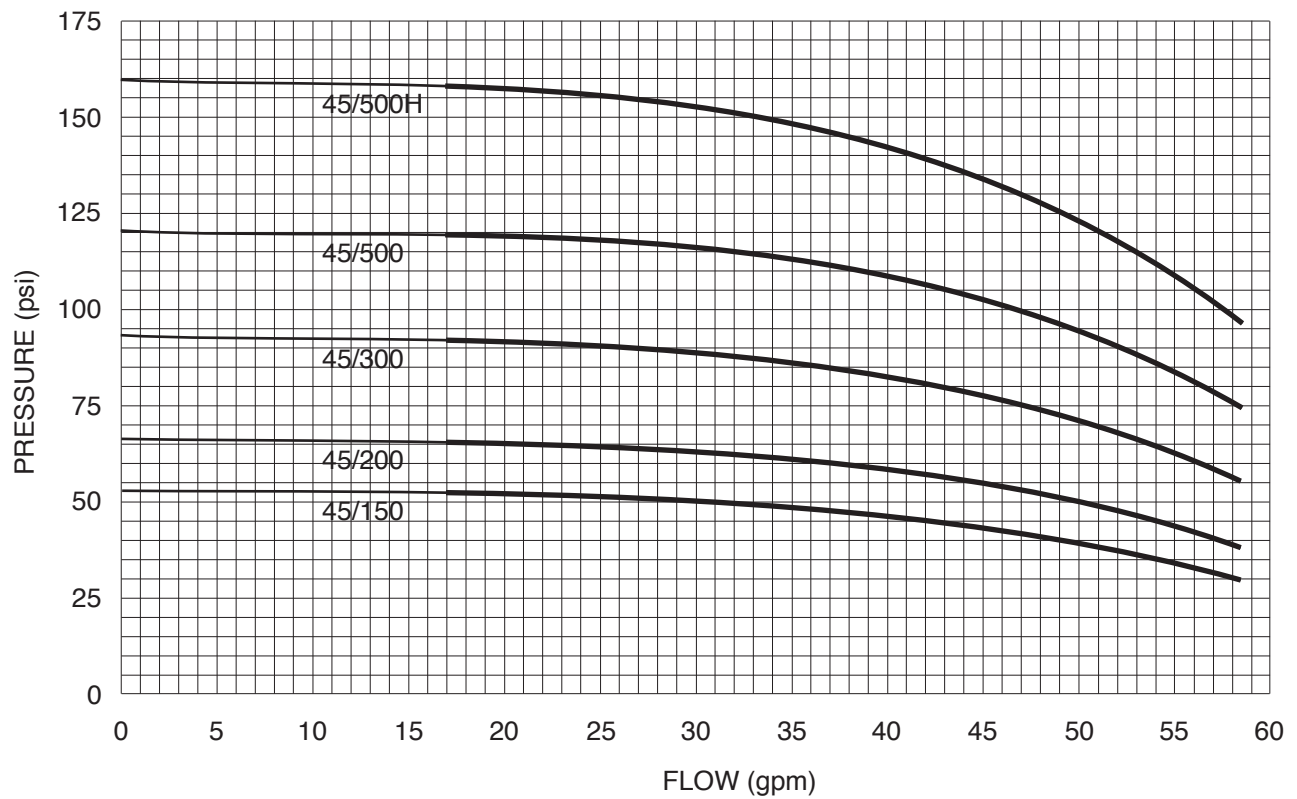
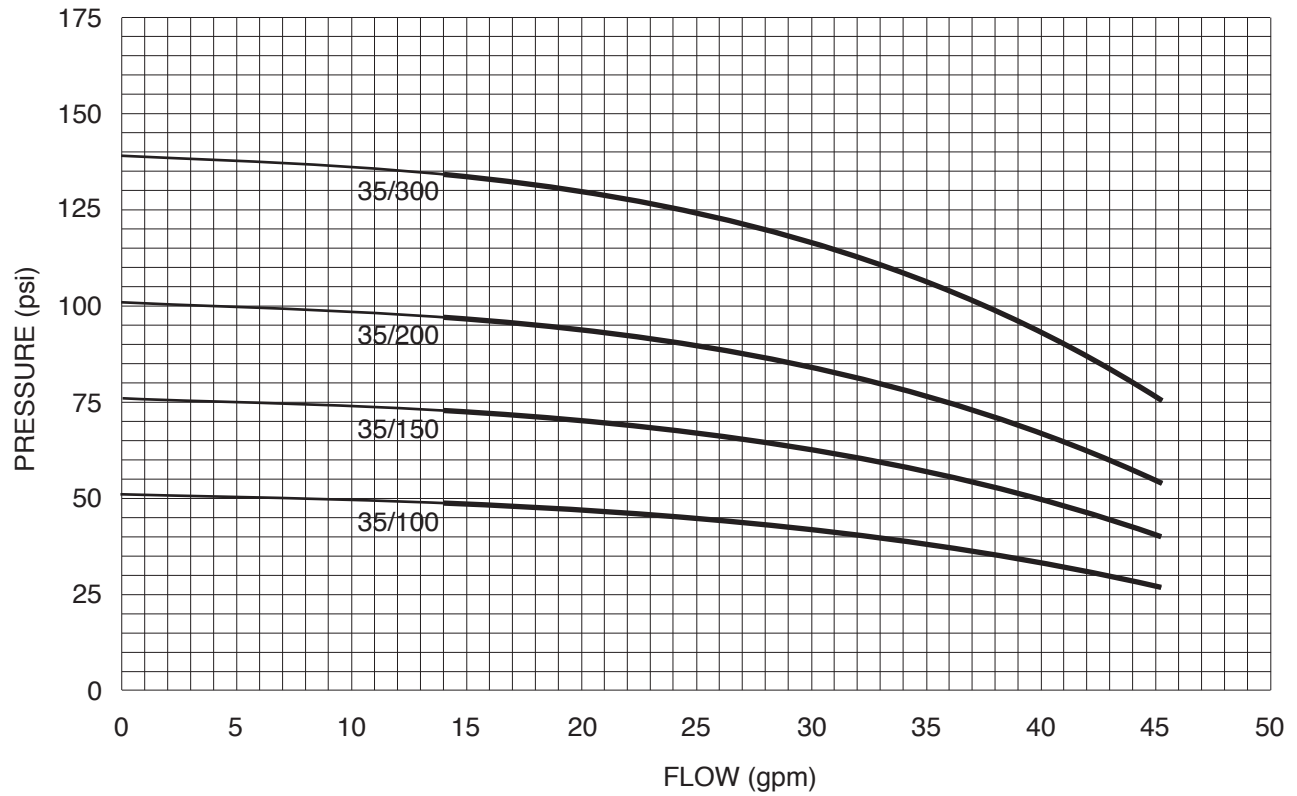
Other features include thrust-stop rings that permit horizontal installation for optimal water extraction, grit-resistant bearings that minimize wear when pumping recycled water, built-in stainless-steel discharge check valves that maintain prime and simplify duplex pump installations, air-bleeder fittings to clear trapped air, and stainless-steel inlet and outlet fittings for durability.

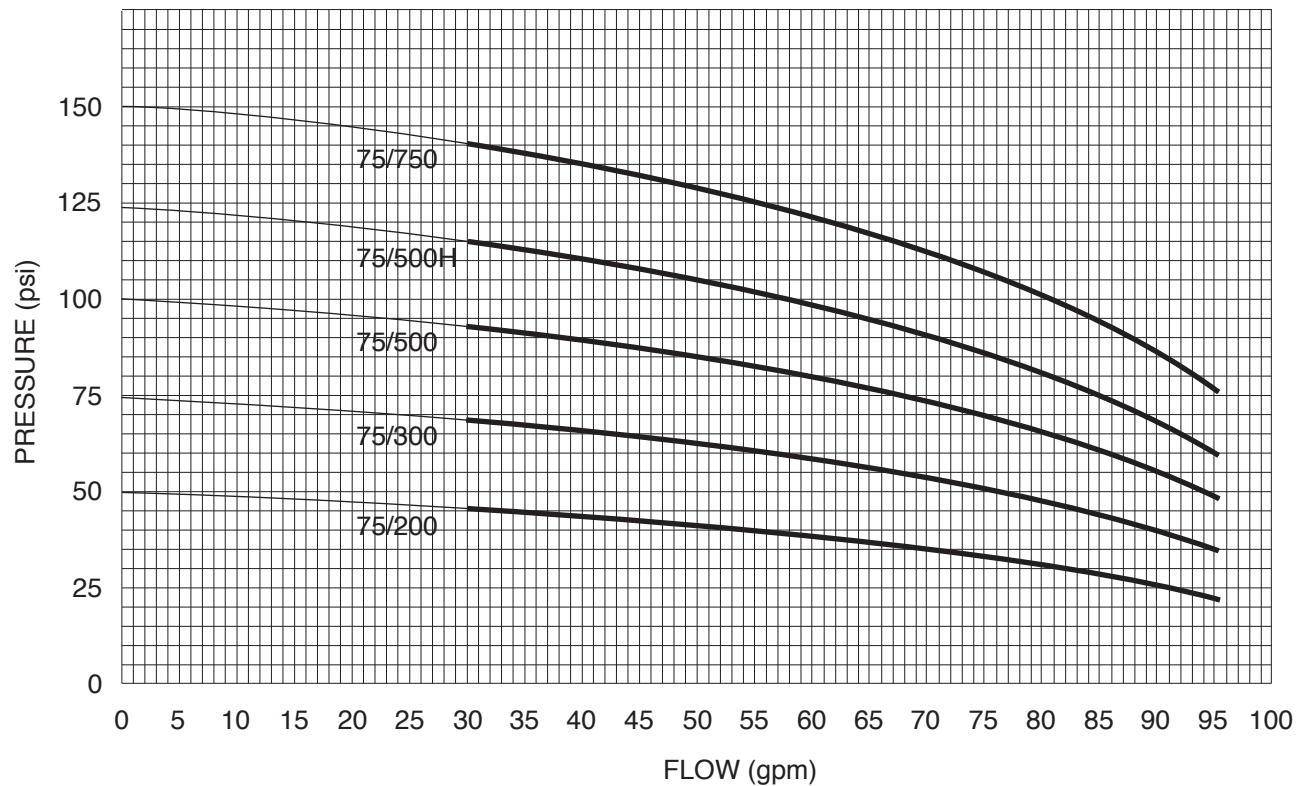
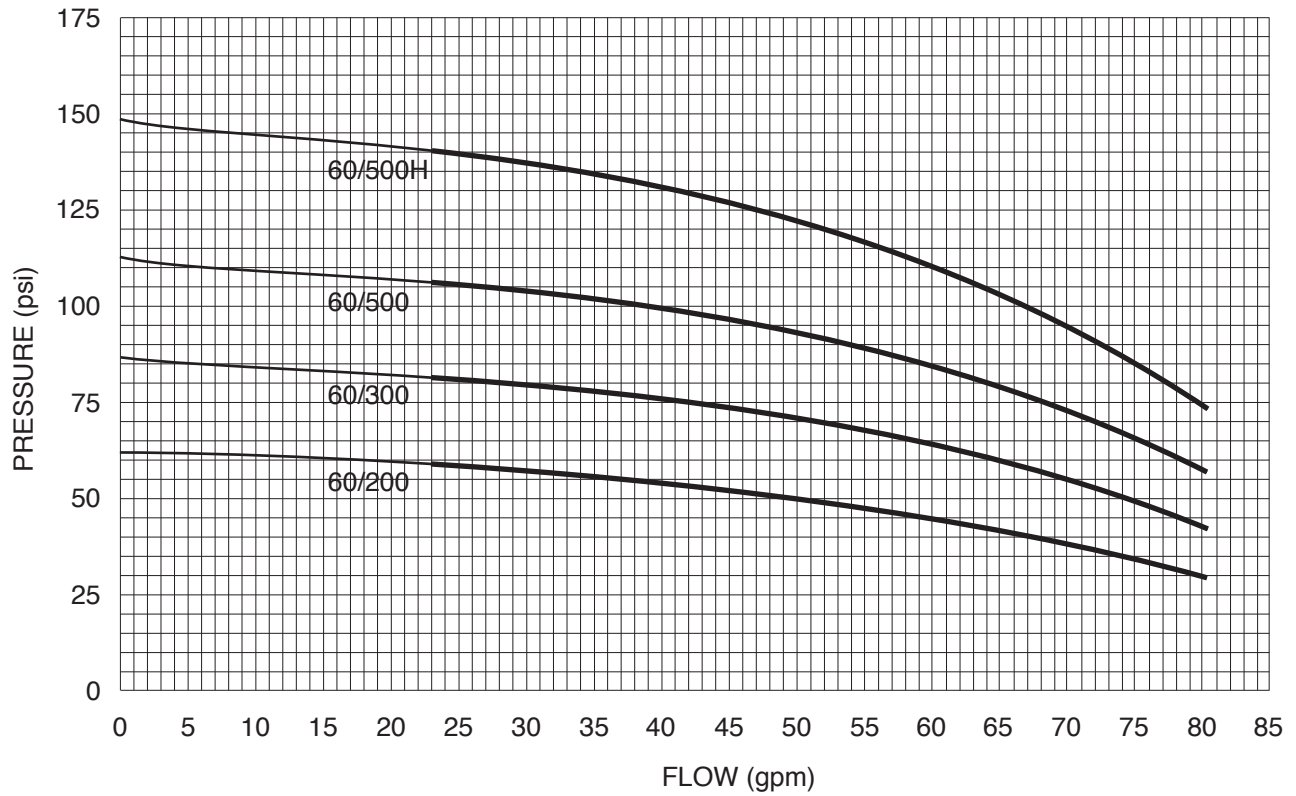


PERFORMANCE

The six performance charts that follow show the hydraulic performance for standard series of AquaGeyser pumps grouped by peak design flow rates. The thick curves represent the recommended range of peak design flow rates, the first number of the pump designation identifies the peak design flow rate for optimal energy efficiency, and the second number identifies the motor horsepower.







SELECTING A PUMP

The table that follows summarizes the hydraulic characteristics of each AquaGeyser pump shown in the preceding performance charts. Although each pump can be efficiently operated at peak design flow rates anywhere between the minimum and maximum flow rates, it is best to select a pump series with an “optimal” gpm as close as possible to the peak design flow rate. Then use the relevant performance chart to select which pump in the selected series meets the peak design pressure requirement. For cascading duplex pumps, a standard feature of AquaDrive+ pump control panels, each pump can be sized to the average design flow as long as the capacity of both pumps is within the peak design flow. Pumps with other hydraulic characteristics are available on special order.

Standard pumps are designed for three-phase electrical power, with options of 208-240v or 460v. Single-phase pumps and other voltages are available on special order.

Model	Min	Max	Optimal	Power	Current*	Inlet	Outlet
AquaGeyser-25/075	11 gpm	33 gpm	25 gpm	0.75 hp	5.5/2.8 a	1.5"	1.5"
AquaGeyser-25/100	11 gpm	33 gpm	25 gpm	1 hp	6.4/3.2 a	1.5"	1.5"
AquaGeyser-25/150	11 gpm	33 gpm	25 gpm	1.5 hp	7.3/3.7 a	1.5"	1.5"
AquaGeyser-25/200	11 gpm	33 gpm	25 gpm	2 hp	8.7/4.4 a	1.5"	1.5"
AquaGeyser-35/100	14 gpm	45 gpm	35 gpm	1 hp	6.4/3.2 a	2"	1.5"
AquaGeyser-35/150	14 gpm	45 gpm	35 gpm	1.5 hp	7.3/3.7 a	2"	1.5"
AquaGeyser-35/200	14 gpm	45 gpm	35 gpm	2 hp	8.7/4.4 a	2"	1.5"
AquaGeyser-35/300	14 gpm	45 gpm	35 gpm	3 hp	12.2/6.1 a	2"	1.5"
AquaGeyser-45/150	17 gpm	58 gpm	45 gpm	1.5 hp	7.3/3.7 a	2"	2"
AquaGeyser-45/200	17 gpm	58 gpm	45 gpm	2 hp	8.7/4.4 a	2"	2"
AquaGeyser-45/300	17 gpm	58 gpm	45 gpm	3 hp	12.2/6.1 a	2"	2"
AquaGeyser-45/500	17 gpm	58 gpm	45 gpm	5 hp	19.8/9.9 a	2"	2"
AquaGeyser-45/500H	17 gpm	58 gpm	45 gpm	5 hp	19.8/9.9 a	2"	2"
AquaGeyser-60/200	23 gpm	80 gpm	60 gpm	2 hp	8.7/4.4 a	3"	2"
AquaGeyser-60/300	23 gpm	80 gpm	60 gpm	3 hp	12.2/6.1 a	3"	2"
AquaGeyser-60/500	23 gpm	80 gpm	60 gpm	5 hp	19.8/9.9 a	3"	2"
AquaGeyser-60/500H	23 gpm	80 gpm	60 gpm	5 hp	19.8/9.9 a	3"	2"
AquaGeyser-75/200	30 gpm	95 gpm	75 gpm	2 hp	8.7/4.4 a	3"	2"
AquaGeyser-75/300	30 gpm	95 gpm	75 gpm	3 hp	12.2/6.1 a	3"	2"
AquaGeyser-75/500	30 gpm	95 gpm	75 gpm	5 hp	19.8/9.9 a	3"	2"
AquaGeyser-75/500H	30 gpm	95 gpm	75 gpm	5 hp	19.8/9.9 a	3"	2"
AquaGeyser-75/750	30 gpm	95 gpm	75 gpm	7.5 hp	25/13.2 a	3"	2"

* Maximum current for 208/240v or 460v three-phase motors, respectively.