



Viron XT

VARIABLE SPEED PUMPS

- ✓ Two sizes to suit the most demanding applications
- ✓ Save between \$700 and \$1,200 every year in operating costs
- ✓ High performance overdrive mode and fast priming programs
- ✓ Reduce carbon emissions
- ✓ Whisper quiet operation
- ✓ Longer pump and equipment life



Viron XT THE EVOLUTION OF EFFICIENCY CONTINUES.

AstralPool's Viron XT pumps are incredibly efficient, reducing the lifetime pool operating and ownership costs while offering incredibly high flow and pressure when required to meet the most demanding applications. A full variable speed controller allows you to tailor the flow rate to suit your pool and filtration and unique features such as overdrive and fast prime make the XT the most versatile variable speed pump on the market.



EFFICIENCY FOR ALL

The challenge for swimming pool filtration design is that for 90% of the time, effective filtration and circulation of the pool water is achieved with a gentle flow rate of 120 to 200 litres a minute. Occasionally however, vacuuming, filter cleaning, and specific applications such as water features, spa jets and in floor cleaning require higher flow rates and pressures. The Viron XT offer speed settings from 600 RPM up to 3600 RPM so that the perfect flow rate can be selected to suit whatever your pump is being used for. Most residential pool filtration is easily handled by the P320XT however, for large pools or demanding applications, the P520XT provides a power house performance.



SIMPLICITY OF OPERATION

Unlike so many complicated appliances today, Viron XT has been carefully designed for ease of operation. Three programmed speeds are factory preset and will suit most pools and most applications. Each speed however, is able to be adjusted with a simple press of an up or down button. Operation is intuitive, with specific design input from the non IT generation to make the Viron XT as user friendly as possible.



UNIQUE HIGH PERFORMANCE FEATURES

Each time your pump strainer basket is emptied, the pump has to be primed and air expelled from the filtration and pipe work system. This can take several minutes. Viron XT fast prime mode operates the pump at higher than normal speeds during this priming period and reduces the time it takes to expel the air in the pump and system by more than 30%. This reduces wear on the pump components and saves time. Once the pump is fully primed it automatically reverts back to the last operating speed selected.

When operating at high pressures driving spa jets, in floor cleaning systems or some water features, Overdrive mode will increase and govern the speed of the pump to achieve truly high flow and pressures. The pump will never draw excessive power but also ensure your pool system is operating at its best.

These two unique features in the new Viron XT range offers the most flexible and adaptable pump on the market and will often allow you to save money by choose a smaller model that will out perform other larger model pumps.



ENERGY SAVINGS

Increasing or decreasing the speed of a pump simply changes the flow rate by the same rate. However, the actual energy used to change the speed and flow varies dramatically. Halve the speed of your pump and the flow rate will also halve but, the energy consumed drops by more than 85%. compared to conventional single speed pumps, the Viron XT pump will save between \$700 and \$1,200 every year in operating costs.



ENVIRONMENTALLY FRIENDLY

The Viron XT range takes new steps forward in environmentally friendly pumps. In fact, a conventional single speed pump uses more energy, and is the cause of more Co2 emissions than almost any other household appliance. Viron XT pumps reduce energy consumption by up to 90% and effectively reduce greenhouse emissions by up to 90% (when power supplied from coal fired power plants). But, manufacturing a pump also contributes to greenhouse emissions. The larger the motor, the more raw materials go into it, and the more greenhouse emissions are used to produce the motor. AstralPool produce the right size motor for your individual application, reducing our carbon footprint in the manufacturing process.

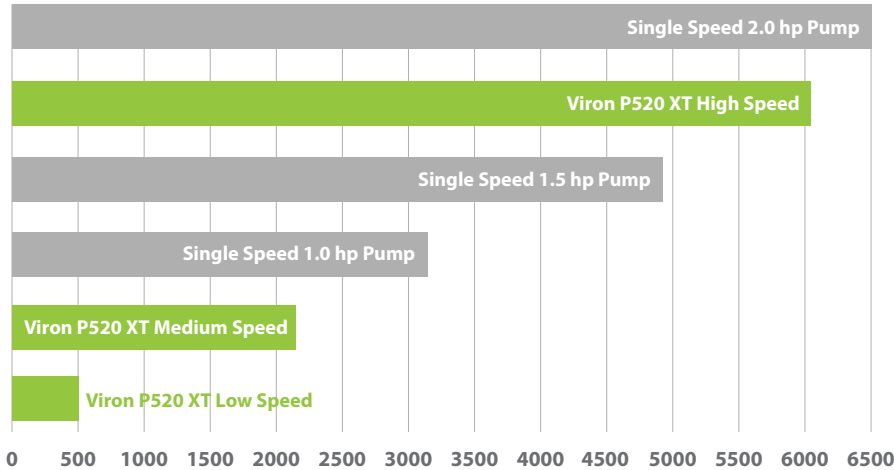


BUILT FOR THE TOUGHEST CONDITIONS ON EARTH

Your Viron XT Pump is a significant investment. Each individual component is carefully designed and selected for maximum life span in the tough Aussie climate. 316 stainless steel hardware, robust engineering plastics and high quality silicone seals create a pump that lasts. Even the motor and sophisticated electronics are carefully designed and manufactured to be easily serviced and repaired. These are just some of the reasons the Viron XT Pump carries a 3 year in field warranty.



CO2 EMISSIONS VIRON P520 XT PUMP (ANNUAL)



Based on 8 hours operation per day
1.1kg CO2/kW, power supplied from coal fired power plant

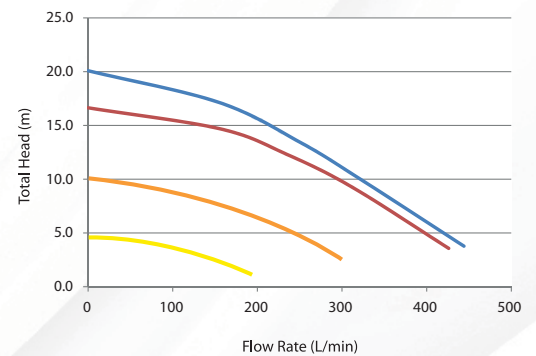
Annual operating cost based on operating pumps at factory preset low speed for 8 hours a day, each day of the year. Actual operating costs may vary according to time spent on higher speeds and the actual speed required to effectively circulate water throughout pool, filtration and plumbing system.

Existing Pump	Annual Cost	Viron Replacement	Annual Operating Cost*	Annual Saving	Saving Over 7 Years	Annual Reduction in CO2 Emissions (CO2 at 1.1kg/kW hr)
2.0hp	\$1,165.00	Viron P520 XT	\$85.00	\$1,080.00	\$7,560.00	5,952
1.5hp	\$890.00	Viron P320 XT	\$81.00	\$809.00	\$5,663.00	4,340



VIRON P320 XT

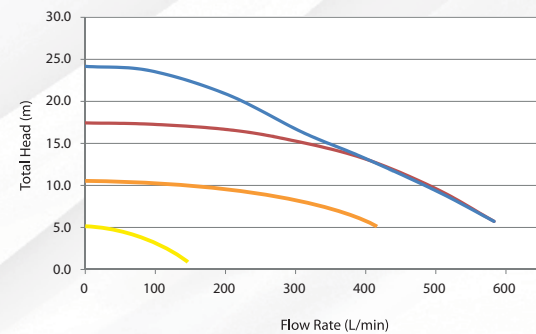
Ideal for the average sized pool, the P320 XT has a flow rate sufficient to back wash up to 30" or 800mm diameter sand filters, provide a powerful vacuum when cleaning the pool and drive up to 6 spa jets. The large liquid crystal display clearly shows the RPM of the motor and enables adjustment of the start up priming time, priming flow rate, and visual display of each speed setting. The inbuilt 24 hour timer is easily enabled and provides up to four time periods each day with different speed settings to provide the perfect flow rate for your pool.



- Overdrive = Up to 3600 RPM
- High Speed = 2850 RPM
- Medium Speed = 2000 RPM
- Low Speed = 1325 RPM

VIRON P520 XT

The flagship AstralPool pump incorporates an inbuilt time clock and 4 timer periods for each day. A different speed can be saved to each timer period allowing the ultimate in flexibility. Special applications such as in floor cleaning or programming water features are enabled using the time clock and speed selection for different times of day.



- Overdrive = Up to 3600 RPM
- High Speed = 2850 RPM
- Medium Speed = 2000 RPM
- Low Speed = 1125 RPM



The Viron P520 XT is capable of the most demanding applications with high flow and high pressure all the while delivering the utmost in energy efficiency.

In addition the P520 XT incorporates electronic power factor correction which provides even further reductions in power consumption, even on maximum speed.

VIRON XT PUMP BENEFITS COMPARED TO CONVENTIONAL SINGLE SPEED PUMP

	P520 XT	P320 XT	Fixed 3 speed	Fixed 2 speed
Lowest annual energy cost - kW/h	367 KW/h per annum	355 KW/h per annum	414 KW/h per annum	519 KW/h per annum
Full variable speed memory	✓	✓	X	X
LCD speed display	✓	✓	X	X
Tailor speed to suit any application	✓	✓	X	X
Tailor to pool and cleaner	✓	✓	X	X
Fast Prime program	✓	✓	X	X
Selectable priming time from 2 to 120 min	✓	✓	X	X
4 programmable speeds per day	✓	✓	X	X
In built timers with speed selection	✓	✓	X	X
Suitable for in floor cleaning systems	✓	✓	X	X
Suitable for large sand filters	✓	✓	X	X
Overdrive High Pressure Program	✓	✓	X	X
Power factor correction	✓	X	X	X
Easily serviceable motor	✓	✓	X	✓
Fully serviceable electronics	✓	✓	X	X



3 YEAR WARRANTY

The Viron XT Pumps are covered by a limited 3 year warranty against defects in materials and workmanship.* Refer to the product manual or go to www.astralpool.com.au for full warranty details.



The Viron XT range is subject of 2 x patent applications in addition to the following granted patents and design registrations:

AU Des. No. 339581, US Des. No. D676,811, AU Des. No. 339582, US Des. No. D680,072, AU Des. No. 339580, US Des. No. D678,852, AU Pat. No. 2013203765, AU Pat. No. 2012238317, AU Pat. No. 2016100642



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