

## Maximum Speeds + Maximum Efficiency

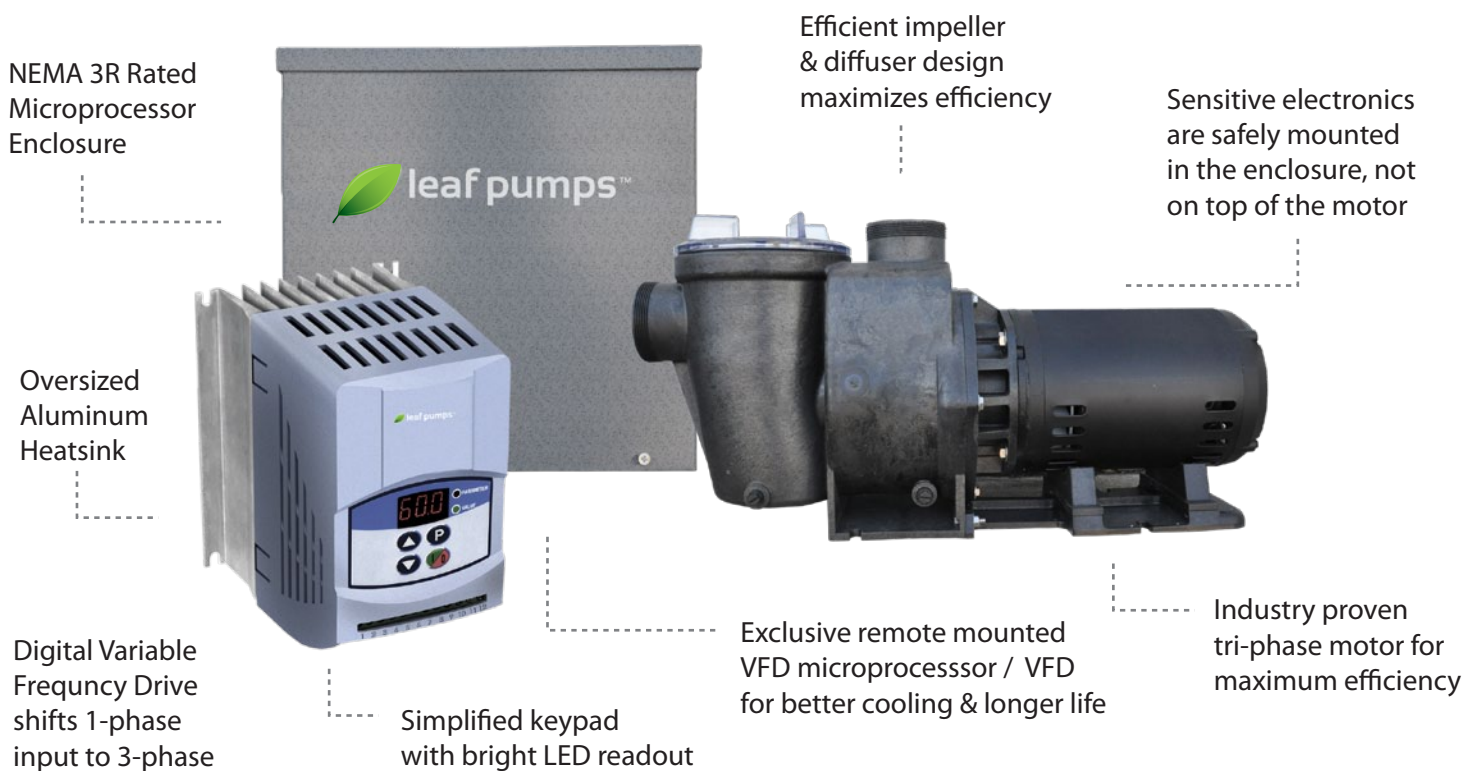
It's a fact. Pool pumps consume electricity at a rate that is second to only air conditioning units. Fortunately, Leaf Pump technology is helping pools enter a new era of energy efficiency. "Efficiency" pool pumps of the past required nearly 2,000 watts of power. Enter the digital variable frequency drive (VFD) - the cutting-edge technology behind the Leaf Pump. Now you can select the optimal flow rate from 3,200 speeds - a feature that helps Leaf save up to 90%.

## Intelligent Design + Best in Class Warranty

First generation variable speed pool pumps have onboard VFDs that are mounted directly on the motor. But reliability suffered as heat, moisture and vibration did a number on sensitive electronics. [Google variable speed + poor warranty + unrepairable] Leaf Pump's blueprint doesn't look like anything that has come before - a top rated, remote located VFD. Unlike other variable speed pumps, Leaf Pumps are protected with a 3-year best in class warranty.

## Location = Longevity

Mounting your pump's microprocessor on top of your motor would be like mounting your car's microprocessor on top of it's motor. Best practices in industry require that VFDs are remotely mounted. Every Leaf Pump features a VFD totally enclosed in an outdoor rated NEMA enclosure for maximum protection, superior cooling and longer life. Sensitive microprocessors are protected from the heat, moisture, and vibration of the motor. Leaf Pumps may cost a bit more, but the performance, warranty and peace of mind are unmatched.



**Leaf Pump features an industry proven 3-Phase AC motor like those used in electric cars. 3 phase motors have inherently higher efficiency, superior starting torque, and superior reliability.**

 **save** up to **\$1,000** per yr

# Leaf Features & Specifications

To learn more about Leaf Pumps or to

find a local Authorized Leaf Dealer, please visit:

LeafPumps.com



remarkable **3** phase motor + **3,200** adjustable speeds  
exclusive remote located **VFD** + **3** year warranty

## highlights

maximum performance & savings  
runs cool, quiet & lasts longer  
reduces energy costs up to 90%

easily choose the optimal speed for any given job  
compatible with all filters, cleaners & spas  
works great with solar, heaters & in-floor cleaning

## Wet End Specs

**Pump type:** self-priming centrifugal  
**Impeller/diffuser:** glass filled Noryl  
**Pump seal:** high grade carbon/graphite/316 stainless steel for improved protection against corrosion from chlorine, ozone, Baquacil and salt water  
**Strainer basket:** oversized 2.1 liter single piece for improved strength  
**Port size:** 2 inch inlet and outlet with unions  
**Maximum amps:** 5.65  
**Drain plug:** dual 1/4 inch NPT drain plug for easy winterizing  
**Material:** UV stabilized thermoplastic for improved corrosion resistance

## Motor Specs

**Motor:** 2 HP Rated, 2.4 Total HP, NEMA 56 Frame, 3 phase (single phase VFD input)  
**Motor speeds:** 3,200 speeds ranging from 250 to 3,450 RPMs  
**Motor presets:** 8 settable, changeable presets may be programmed  
**Shaft material:** stainless Steel  
**Max amps:** 5.7  
**Electrical input:** 230 Volts, single phase input via VFD, 20 amp breaker recommended  
**Motor cooling:** internally fan cooled, thermal overload protection

## Digital VFD Specs

**VFD type:** remote located digital VFD with single phase 230 volt input  
**VFD enclosure:** NEMA 3R for maximum cooling and protection from moisture & vibration  
**VFD cooling:** remote mounting and oversized aluminum heat sink  
**Built in controls:** push button simplified keypad with bright LED readout  
**Control options:** compatible with virtually all two speed timers and automation controls. Leaf offers multiple options including optional wireless controller.  
**Diagnostics:** complete onboard advanced diagnostics include over current, motor overload, driver over temperature, output short circuit, DC bus over and under voltage and external fault  
**Control features:** linear and S-Ramp acceleration and deceleration, torque boost, motor slip compensation, electronic pot, minimum and maximum adjustable frequency limits, adjustable output current limit, JOG  
**Display readout:** large, bright LED displays motor speed, frequency, voltage, current, last fault, heatsink temperature and drive status

**Warranty:** best in class three year limited warranty