



Introducing the latest generation of 3 HP In-ground Pool Pumps

3.0 HP

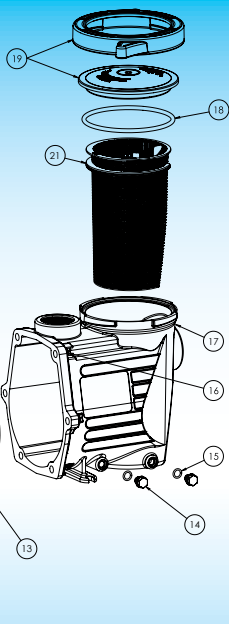
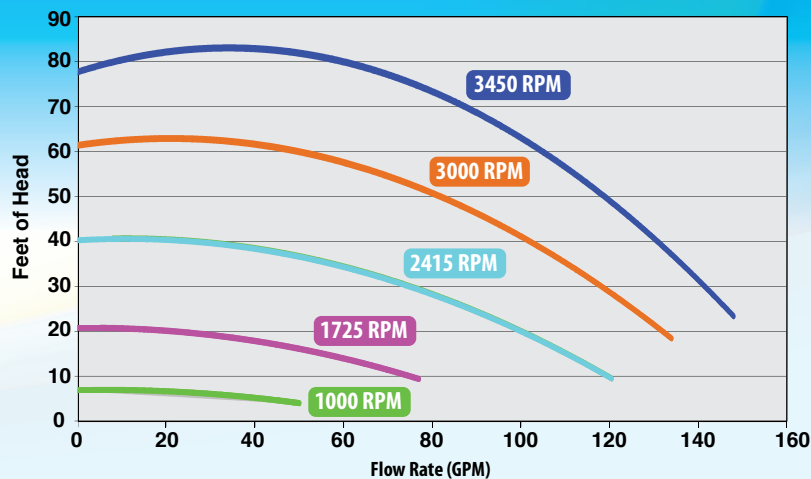
FEATURES:

- More efficient performance!
Up to 90% (as much as \$1,500/year)
in energy savings
- 3 HP, 13.5 Amps, 230 VAC
- Direct drop-in for other manufacturer's
single, 2-speed or variable speed pumps
- Easy to install w/versatile adjustable base
- Proven performance wet end with large
trap basket & easy access two-piece lid
- Simple programming with up to 4
scheduled filter settings
- Works great with Waterway OASIS Pool
& Spa Control as well as competitive
control systems
- Silicone carbide seals, Viton bellows, 316SS
casing for superior protection from bromine,
chlorine, hydrogen peroxide and salt
- Automatic protection from extreme
temperature variation and voltage spikes

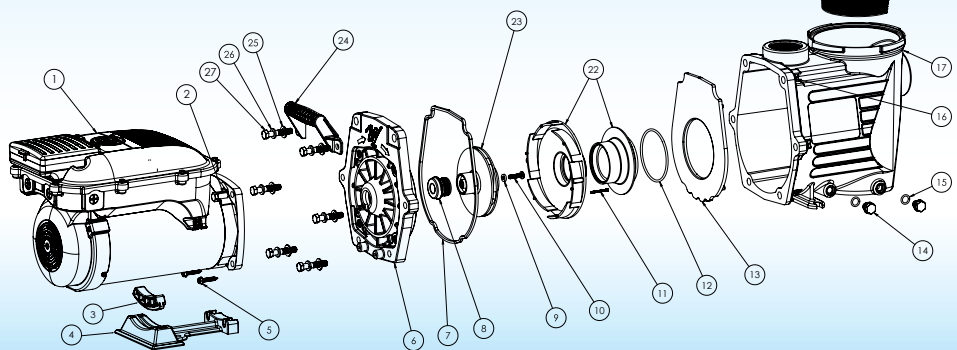


Part #: PD-VSC300

Power Defender 300 – 3.0 HP – Performance Curves



- | | |
|----|---|
| 1 | Motor |
| 2 | 819-0035 Bolt .375-16 X .875 Long |
| 3 | 672-1350 Motor Support Supra Max |
| 4 | 319-1500 Motor Base |
| 5 | 819-0013 Screw Slot Hex Washer 1/4" X 1_1/4" |
| 6 | 311-1450 Face Plate |
| 7 | 711-1400 Gasket, Face Plate |
| 8 | 319-3100B Pump Seal Set-Viton |
| 9 | 711-4300 Washer, Impeller |
| 10 | 819-4360 Screw Phil. Pan Head Left Hand 1/4-20 X 1" |
| 11 | 819-0018 #4-40 Uncs Bolt Schs |
| 12 | 805-0238 O-Ring-238 |
| 13 | 319-1420 Diffuser Plate |
| 14 | 715-1200 3/8" Quarter Slot Plug (Sd Wet End) |
| 15 | 805-0014 O-Ring, -014 |
| 16 | 820-4280 Brass Insert, 3/8-16 Unc Housing |
| 17 | 315-2410 Pump Housing - 2" X 2" Npt |
| 18 | 805-0436 O-Ring, 6" Trap Lid |
| 19 | 319-4100 Lid Assembly, 6" Trap |
| 21 | 319-1430 Basket Assy |
| 22 | 310-7470 Diffuser Assy |
| 23 | 310-7430 2 HP Full 2.5 HP Upr Impeller Assy |
| 24 | 319-1700 Handle |
| 25 | 820-0017 3/8" Flat Washer Type B, Pool Pumps |
| 26 | 820-0017-1 3/8" Washer, Split Lock |
| 27 | 819-0016 3/8"-16 X 2" Lg Hex Head |



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Designed,
Engineered &
Manufactured
in the USA.



POWER DEFENDER 300
3 HP Variable Speed Pump



POWER DEFENDER 165
1.65 HP Variable Speed Pump



POWER DEFENDER 270
2.7 HP Variable Speed Pump

Smart energy solutions for the Pool & Spa industry.

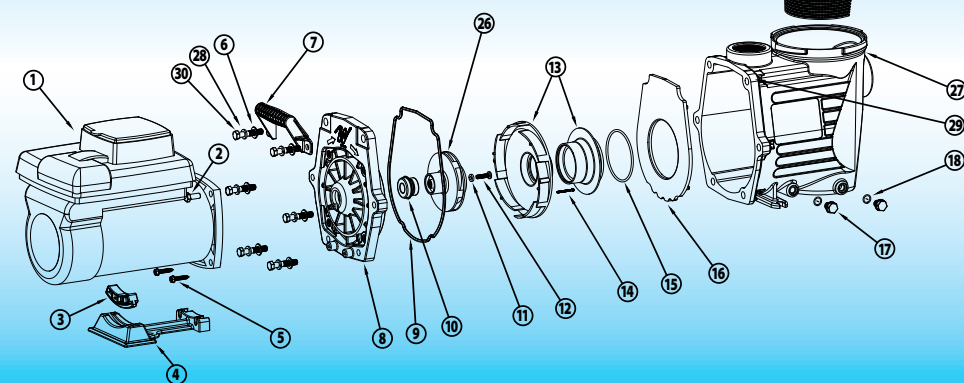


2.7 HP

FEATURES:

- Provides impressive savings up to 90% on your energy bill. Can save up to \$1,500 per season*
- May be eligible for rebates from your local power utility**
- Pump is pressure testable up to 50 PSI
- User-Friendly programming
- Optional off-board mounting of controls.
- Ability to install and program additional load (booster pump, chlorine generator)
- Display is easy to view in any light
- 2" Swivel Union (included) & 2" FPT
- Super quiet operation with built-in freeze protection
- Adjustable Base (included) – Easy replacement for most brand pumps
- Compliant with all energy legislation. Meets Title 20 & Title 24 regulations

* This estimate is based on a 25,000 gallon swimming pool and comparing a traditional single speed pump running 8 hours per day with 1.8 turnover per day with the Watervay Variable Speed pump operating at one turnover per day. Actual saving may vary based on plumbing size and length, hours of operations, local electricity rate, etc.
** Visit your local power utility company's website for details on available rebates.



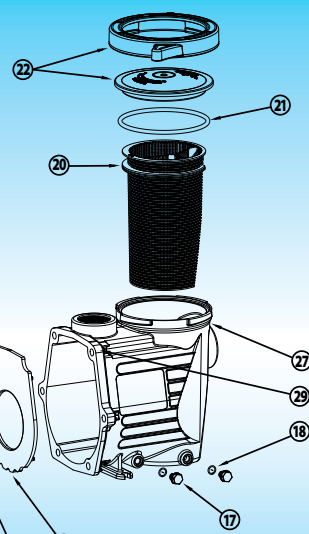
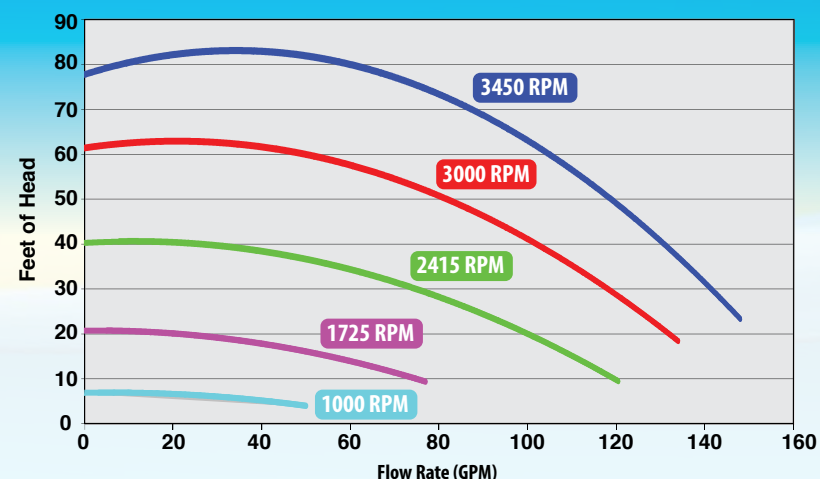
Part #: PD-VSC270
Model #: ECONO-VSC



Both Power Defender Variable Speed Pumps are **Energy Star Approved**.

ENERGY STAR is a U.S. Environmental Protection Agency (EPA) voluntary program that helps businesses and individuals save money and protect our climate through superior energy efficiency.

Power Defender 270 – 2.7 HP – Performance Curves



- | | | |
|----|------------|--|
| 1 | – | Motor |
| 2 | 819-0035 | Bolt .375-16 X .875 Long |
| 3 | 672-1350 | Motor Support Supra Max |
| 4 | 319-1500 | Motor Base |
| 5 | 819-0013 | Screw Slot Hex Washer 1/4" X 1 1/4" |
| 6 | 820-0017 | 3/8" Flat Washer Type B, Pool Pumps |
| 7 | 319-1700 | Handle |
| 8 | 311-1450 | Face Plate |
| 9 | 711-1400 | Gasket, Face Plate |
| 10 | 319-3100B | Pump Seal Set-Viton |
| 11 | 711-4300 | Washer, Impeller |
| 12 | 819-4360 | Screw Phil. Pan Head Left Hand 1/4-20 X 1" |
| 13 | 310-7470 | Diffuser Assy |
| 14 | 819-0018 | #4-40 Uncs Bolt Schs |
| 15 | 805-0238 | O-Ring-238 |
| 16 | 319-1420 | Diffuser Plate |
| 17 | 715-1200 | 3/8" Quarter Slot Plug (Sd Wet End) |
| 18 | 805-0014 | O-Ring, -014 |
| 20 | 319-1430 | Basket Assy |
| 21 | 805-0436 | O-Ring, 6" Trap Lid |
| 22 | 319-4100 | Lid Assembly, 6" Trap |
| 26 | 310-7430 | 2 HP Full 2.5 HP Upr Impeller Assy |
| 27 | 315-2410 | Pump Housing - 2" X 2" Npt |
| 28 | 820-0017-1 | 3/8" Washer, Split Lock |
| 29 | 820-4280 | Brass Insert, 3/8-16 Unc Housing |
| 30 | 819-0016 | 3/8"-16 X 2" Lg Hex Head |



2-Piece Lid Assembly
for improved access & serviceability!

Part #: PD-VSC165
Model #: ECONOVSC-165



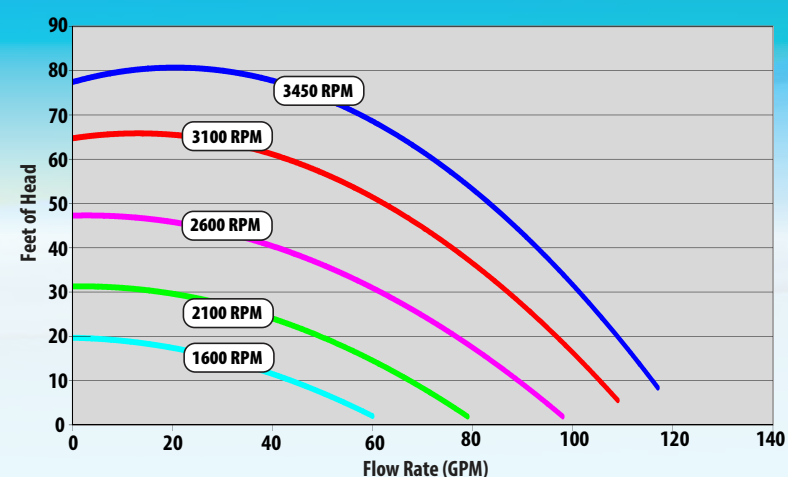
1.65 HP

FEATURES:

- Maximum 1.65HP
- Timer Mode
- Full Variable Speed (600-3450 RPM)
- Freeze Protection
- Program Memory Back-up
- Keypad Lockout Feature
- 2" Swivel Union (included) & 2" FPT
- Adjustable Base (included) – Easy replacement for most brand pumps



Power Defender – 1.65 HP – Performance Curves



- | | | |
|----|------------|--|
| 1 | – | Motor |
| 2 | 819-0035 | Bolt .375-16 X .875 Long |
| 3 | 672-1350 | Motor Support Supra Max |
| 4 | 319-1500 | Motor Base |
| 5 | 819-0013 | Screw Slot Hex Washer 1/4" X 1 1/4" |
| 6 | 820-0017 | 3/8" Flat Washer Type B, Pool Pumps |
| 7 | 319-1700 | Handle |
| 8 | 311-1450 | Face Plate |
| 9 | 711-1400 | Gasket, Face Plate |
| 10 | 319-3100B | Pump Seal Set-Viton |
| 11 | 711-4300 | Washer, Impeller |
| 12 | 819-4360 | Screw Phil. Pan Head Left Hand 1/4-20 X 1" |
| 13 | 310-7470 | Diffuser Assy |
| 14 | 819-0018 | #4-40 Uncs Bolt Schs |
| 15 | 805-0238 | O-Ring-238 |
| 16 | 319-1420 | Diffuser Plate |
| 17 | 715-1200 | 3/8" Quarter Slot Plug (Sd Wet End) |
| 18 | 805-0014 | O-Ring, -014 |
| 20 | 319-1430 | Basket Assy |
| 21 | 805-0436 | O-Ring, 6" Trap Lid |
| 22 | 319-4100 | Lid Assembly, 6" Trap |
| 26 | 310-7430 | 2 HP Full 2.5 HP Upr Impeller Assy |
| 27 | 315-2410 | Pump Housing - 2" X 2" Npt |
| 28 | 820-0017-1 | 3/8" Washer, Split Lock |
| 29 | 820-4280 | Brass Insert, 3/8-16 Unc Housing |
| 30 | 819-0016 | 3/8"-16 X 2" Lg Hex Head |

