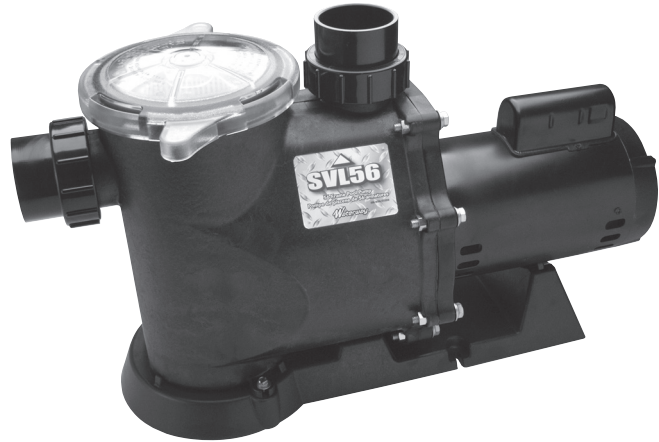




Pool Pumps - In-Ground / SVL56 - High Flow - 56-Frame

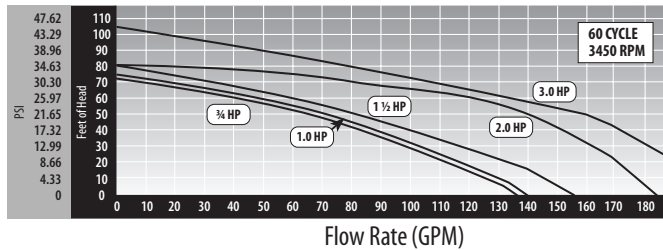
FEATURES:

- Extremely quiet operation
- High efficiency with maximum flow
- Self-priming
- Best vertical lift at 24 ft.
- Easy to service
- True 56-frame motor for cooler running and longer life
- 2 ½" union threads x 2" FPT with unions (included)
- Large trap basket with cam-lock lid
- 60 Hz rating

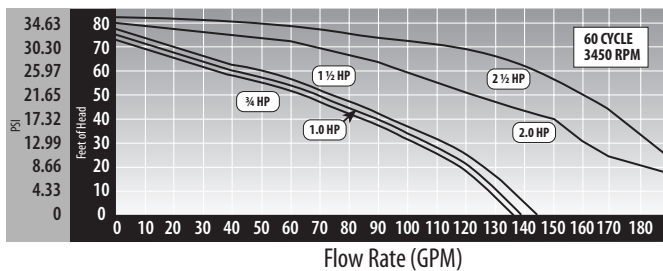


The extraordinary quietness of the SVL56 moves us nearer to the goal of silent operation, and it provides by far the best vertical lift. A true 56-frame motor ensures long life and uninterrupted power. Attention to detail is evident in the design of this proven pump. Designed for easy serviceability and installation, the pump accepts either 2" or 2 ½" plumbing connections and features dual bearings for cooler operating temperature. This pump will provide years of trouble-free performance.

ENERGY EFFICIENT PRESSURE VERSUS FLOW RATE

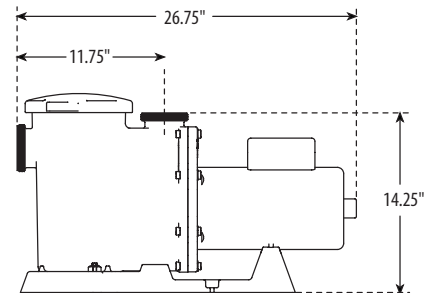
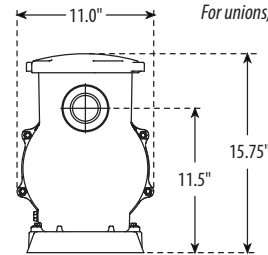


STANDARD EFFICIENCY PRESSURE VERSUS FLOW RATE



For replacement parts, see page 219.

For unions, see page 206.



Energy Efficient - Full Rated

Part No.	Description	Volts	HP	Weight (lbs.)	List (US \$)
SVL56E-110	1-Speed - 2" or 2 ½" Intake and Discharge	115 / 230	1.0	40	1158.08
SVL56E-115	1-Speed - 2" or 2 ½" Intake and Discharge	230	1.5	44	1252.76
SVL56E-120	1-Speed - 2" or 2 ½" Intake and Discharge	230	2.0	48	1393.33
SVL56E-130	1-Speed - 2" or 2 ½" Intake and Discharge	230	3.0	52	1784.97

Standard Efficiency - Maximum Rated

Part No.	Description	Volts	HP	Weight (lbs.)	List (US \$)
SVL56S-107	1-Speed - 2" or 2 ½" Intake and Discharge	115 / 230	¾	38	919.92
SVL56S-110	1-Speed - 2" or 2 ½" Intake and Discharge	115 / 230	1.0	40	965.84
SVL56S-115	1-Speed - 2" or 2 ½" Intake and Discharge	115 / 230	1.5	44	1020.34
SVL56S-120	1-Speed - 2" or 2 ½" Intake and Discharge	230	2.0	46	1163.82
SVL56S-125	1-Speed - 2" or 2 ½" Intake and Discharge	230	2.5	48	1373.25
SVL56S-210	2-Speed - 2" or 2 ½" Intake and Discharge	230	1.0	--	1077.71
SVL56S-215	2-Speed - 2" or 2 ½" Intake and Discharge	230	1.5	45	1249.88
SVL56S-220	2-Speed - 2" or 2 ½" Intake and Discharge	230	2.0	47	1297.24
SVL56S-225	2-Speed - 2" or 2 ½" Intake and Discharge	230	2.5	48	1492.32



NEW

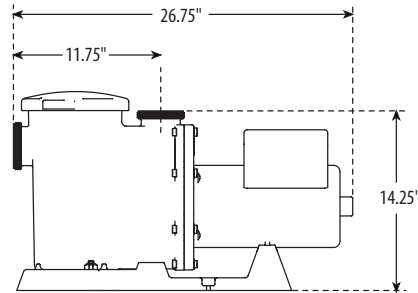
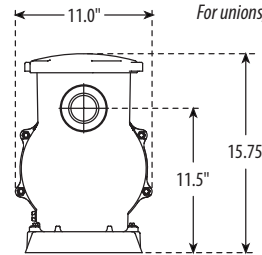
FEATURES:

- Built-in Safety Vacuum Release System (SVRS)
- Easy to install
- Self-calibrating
- Full-body entrapment protection
- Built-in electronics
- 2 1/2" union threads x 2" FPT with unions *(included)*
- Listed to current ANSI and VGB standards

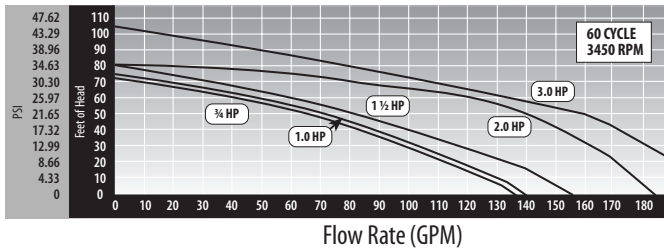


For replacement parts, see page 219.

For unions, see page 206.



**ENERGY EFFICIENT
PRESSURE VERSUS FLOW RATE**



SVL56 SVRS - 1-Speed Pumps

Part No.	Description	Volts	HP	List (US \$)
SVL56M-110	1-Speed - 2" or 2 1/2" Intake and Discharge	115 / 230	1.0	1491.96
SVL56M-115	1-Speed - 2" or 2 1/2" Intake and Discharge	115 / 230	1.5	1549.45
SVL56M-120	1-Speed - 2" or 2 1/2" Intake and Discharge	230	2.0	1670.57
SVL56M-125	1-Speed - 2" or 2 1/2" Intake and Discharge	230	2.5	1922.13

SVL56 SVRS - 2-Speed Pumps

Part No.	Description	Volts	HP	List (US \$)
SVL56M-210	2-Speed - 2" or 2 1/2" Intake and Discharge	230	1.0	1616.56
SVL56M-215	2-Speed - 2" or 2 1/2" Intake and Discharge	230	1.5	1874.83
SVL56M-220	2-Speed - 2" or 2 1/2" Intake and Discharge	230	2.0	1945.87



Pool Pumps - In-Ground / Econo-Flo VS Variable Speed

FEATURES:

- Low Amp design for maximum energy savings
- Built-in programmable user interface with timer
- User-friendly programming
- Built-in Safety Vacuum Release System (SVRS)
- Built-in freeze protection
- Super quiet operation
- Compliant with all energy legislation
- Brushless permanent magnet motor
- 2 1/2" union threads x 2" FPT with unions *(included)*
- Factory programmed to work "out-of-the-box"
- Totally enclosed fan-cooled motor protects against premature motor failure by not allowing dust, bugs, rodents, or other potentially harmful contaminants into motor housing

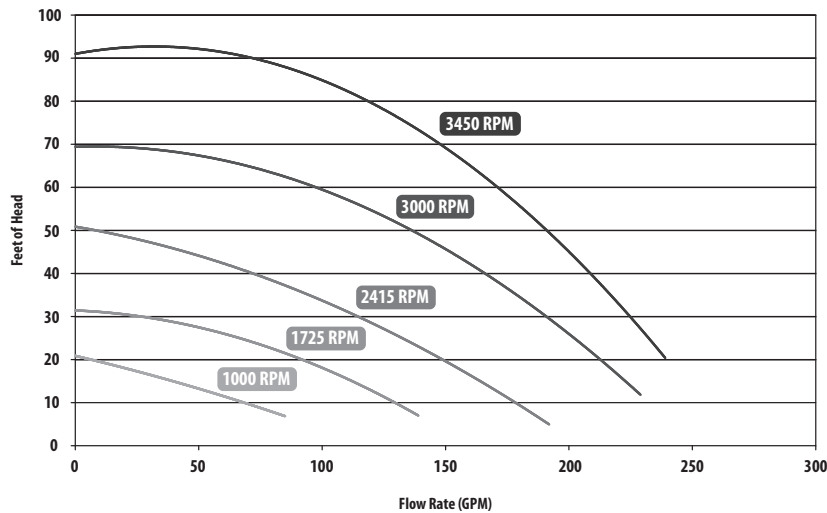


NEW



For unions, see page 206.

Econo-Flo VS Variable Speed Pump - Performance Curves



Econo-Flo VS - Variable Speed Pump

Part No.	Description	Volts	HP	List (US \$)
ECONO-VS	Econo-Flo VS Variable Speed Pump	230	Variable	2729.50

2-SPEED HYBRID FEATURES:

- Integrated programmable timer designed to achieve maximum energy efficiency and utility expense savings
- Motor and digital time clock integrated into one pump
- Easy to install and program
- Built-in freeze protection
- 2" union threads x 1 1/2" FPT with unions *(included)*
- Meets Title 20 & Title 24 regulations
- Energy savings allows fast payback on investment
- The most economical two speed pump to own and install



NEW

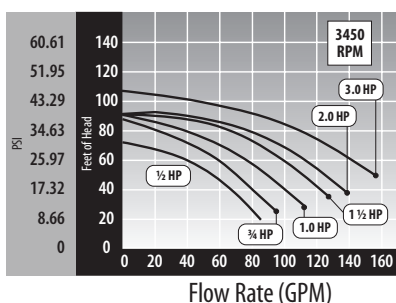
2-SPEED FEATURES:

- Super low amp motor for maximum energy savings
- Easy to install
- 2" union threads x 1 1/2" FPT with unions *(included)*
- Meets Title 20 & Title 24 regulations
- Energy savings allows fast payback on investment
- The most economical two speed pump to own and install

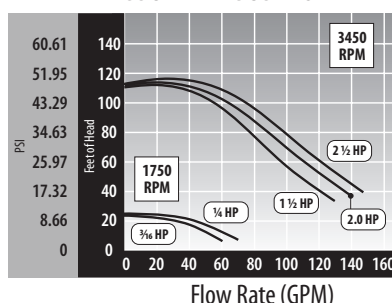


For unions, see page 206.

**FULL RATED - 1-SPEED
PRESSURE VERSUS FLOW RATE**



**2-SPEED
PRESSURE VERSUS FLOW RATE**



Econo-Flo 2-Speed Hybrid (with Time Clock)

Part No.	Description	Volts	HP	List (US \$)
ECONOHA-207	Econo-Flo 2-Speed with Time Clock	230	3/4	1637.32
ECONOHA-210	Econo-Flo 2-Speed with Time Clock	230	1	1676.63
ECONOHA-215	Econo-Flo 2-Speed with Time Clock	230	1 1/2	1831.62
ECONOHA-220	Econo-Flo 2-Speed with Time Clock	230	2	1934.16

Econo-Flo 2-Speed (without Time Clock)

Part No.	Description	Volts	HP	List (US \$)
ECONO-207	Econo-Flo 2-Speed without Time Clock	230	3/4	1156.84
ECONO-210	Econo-Flo 2-Speed without Time Clock	230	1	1195.99
ECONO-215	Econo-Flo 2-Speed without Time Clock	230	1 1/2	1265.12
ECONO-220	Econo-Flo 2-Speed without Time Clock	230	2	1367.66



Pool Pumps - In-Ground / SMF

FEATURES:

- Super quiet operation
- 2" Unionized (Intake/Discharge)
- One piece pot and volute reduce noise
- Lower flow rates for more versatile installations

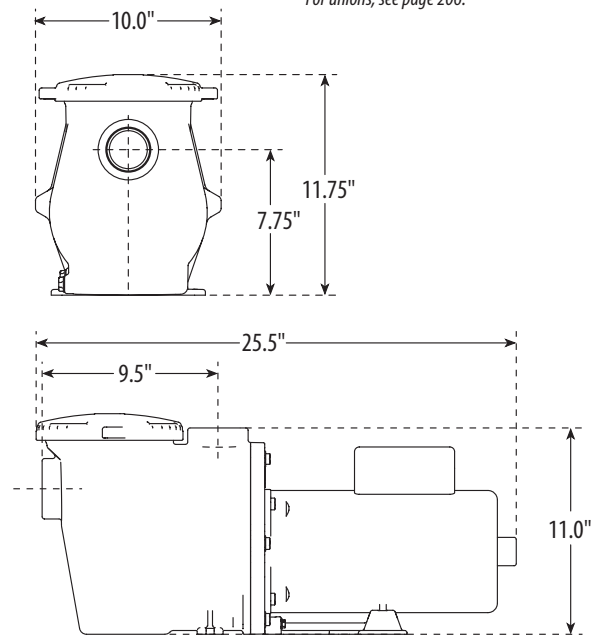
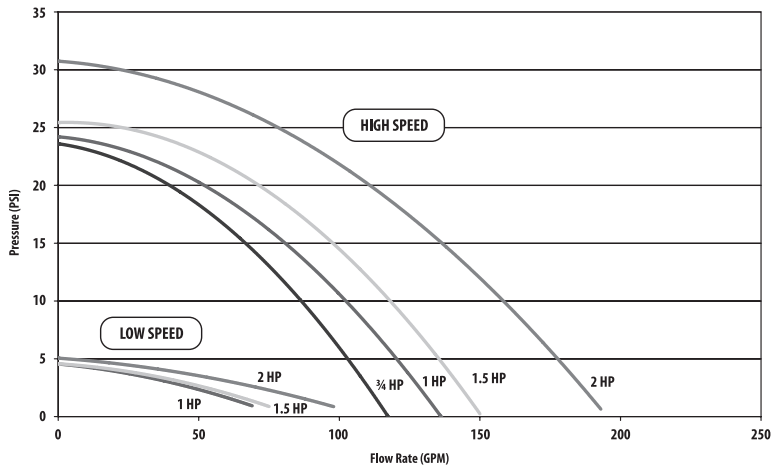


NEW



For unions, see page 206.

SMF Performance Chart



SMF - 1-Speed Pumps

Part No.	Description	HP	Weight (lbs.)	List (US \$)
SMF-102	1-Speed	1/2	--	688.77
SMF-107	1-Speed	3/4	--	723.64
SMF-110	1-Speed	1.0	--	790.19
SMF-115	1-Speed	1.5	--	851.99
SMF-120	1-Speed	2.0	--	986.56

SMF - 2-Speed Pumps

Part No.	Description	HP	Weight (lbs.)	List (US \$)
SMF-210	2-Speed	1.0	--	1063.39
SMF-215	2-Speed	1.5	--	1137.20
SMF-220	2-Speed	2.0	--	1294.86



FEATURES:

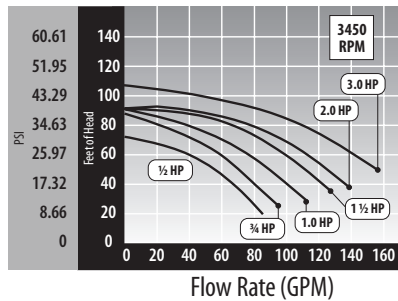
- Quiet operation
- High efficiency
- Self-priming
- 2" FPT intake and discharge
- 2" unions included
- Easy to service
- True 56-frame motor for cooler running and longer life
- Large trap basket with cam-lock lid
- 60 Hz rating



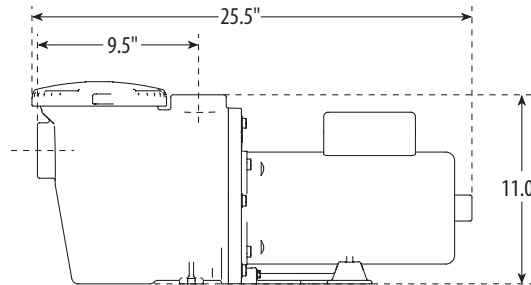
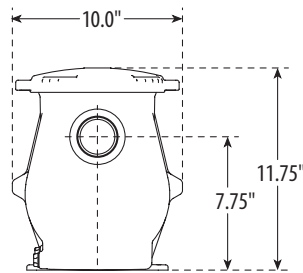
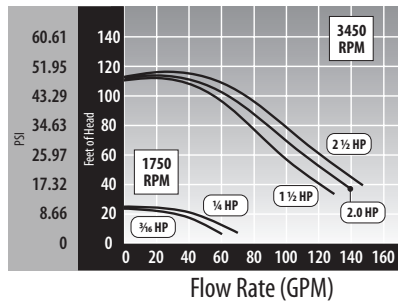
For replacement parts, see page 221.

For unions, see page 206.

FULL RATED - 1-SPEED PRESSURE VERSUS FLOW RATE



2-SPEED PRESSURE VERSUS FLOW RATE



The Champion High Performance Pump is compatible with all cleaning systems, various filters and jet action spas. The Champion Pump is ideal for new installations and as a replacement pump due to its dimensions.

Energy Efficient - Full Rated

Part No.	Description	Volts	HP	List (US \$)
CHAMPE-107	1-Speed	115/230	3/4	1037.11
CHAMPE-110	1-Speed	115/230	1.0	1117.66
CHAMPE-115	1-Speed	230	1.5	1378.43
CHAMPE-120	1-Speed	230	2.0	1378.43
CHAMPE-130	1-Speed	230	3.0	1748.01

Standard Efficiency - Maximum Rated

Part No.	Description	Volts	HP	List (US \$)
CHAMPS-107	1-Speed	115/230	3/4	909.90
CHAMPS-110	1-Speed	115/230	1.0	956.64
CHAMPS-115	1-Speed	115/230	1.5	1009.55
CHAMPS-120	1-Speed	230	2.0	1119.07
CHAMPS-125	1-Speed	230	2.5	1352.27
CHAMPS-130	1-Speed	230	3.0	1656.60
CHAMPS-210	2-Speed	230	1.0	1233.89
CHAMPS-215	2-Speed	230	1.5	1297.36
CHAMPS-220	2-Speed	230	2.0	1366.56
CHAMPS-225	2-Speed	230	2.5	1475.25



Pool Pumps - Above Ground / Supreme - 48-Frame

FEATURES:

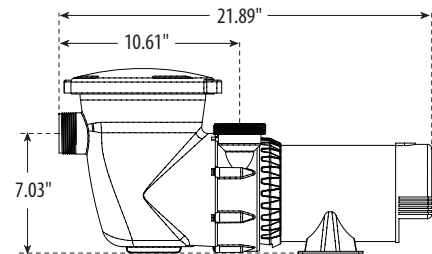
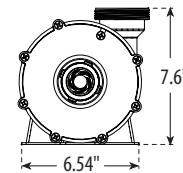
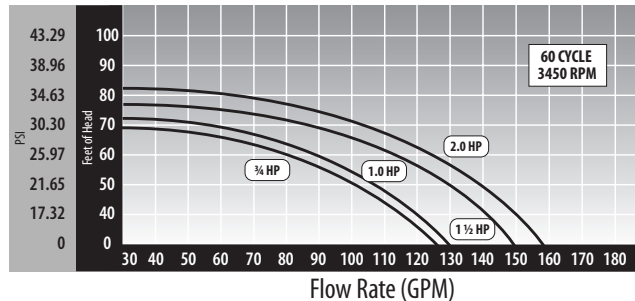
- 1 1/2" Union threads / 1 1/2" FPT Intake and 2" Union threads / 1 1/2" FPT discharge
- Extra large 7" pump trap with clear lid
- Powerful side discharge performance
- Wet end easily rotates



For replacement parts, see page 223.

The Supreme Pump is the ultimate in above ground pool engineering. Designed for today's more demanding applications, the Supreme Pump is ideal for D.E., cartridge or sand filtration systems of all sizes.

PRESSURE VERSUS FLOW RATE



Supreme 48-Frame Above Ground Pool Pump

Part No.	Description	Volts	Amps	HP	Weight (lbs.)	List (US \$)
PSP1075-3	1-Speed - 3 ft. Twist-Lock Cord	115	10.78	3/4	27	435.90
PSP1100-3	1-Speed - 3 ft. Twist-Lock Cord	115	13.2	1.0	28	449.33
PSP1150-3	1-Speed - 3 ft. Twist-Lock Cord	115	13.2	1.5	33.5	470.57
PSP1200-3	1-Speed - 3 ft. Twist-Lock Cord	115	18.04	2.0	35	489.46
PSP2075-3	2-Speed - 3 ft. Twist-Lock Cord	115	10.78	3/4	27	515.72
PSP2100-3	2-Speed - 3 ft. Twist-Lock Cord	115	13.2	1.0	29	531.35
PSP2150-3	2-Speed - 3 ft. Twist-Lock Cord	115	13.2	1.5	33.5	552.56
PSP2200-3	2-Speed - 3 ft. Twist-Lock Cord	115	18.04	2.0	35	574.34
PSP1075-6	1-Speed - 6 ft. NEMA Cord	115	10.78	3/4	29	435.90
PSP1100-6	1-Speed - 6 ft. NEMA Cord	115	13.2	1.0	33	449.33
PSP1150-6	1-Speed - 6 ft. NEMA Cord	115	13.2	1.5	36	470.57
PSP1200-6	1-Speed - 6 ft. NEMA Cord	115	18.04	2.0	38	489.46
PSP2075-6	2-Speed - 6 ft. NEMA Cord	115	10.78	3/4	29	515.72
PSP2100-6	2-Speed - 6 ft. NEMA Cord	115	13.2	1.0	33	531.35
PSP2150-6	2-Speed - 6 ft. NEMA Cord	115	13.2	1.5	36	552.56
PSP2200-6	2-Speed - 6 ft. NEMA Cord	115	18.04	2.0	38	574.34

Part numbers listed are for the discharge in the vertical position (sand). For discharge in horizontal position (cartridge and D.E.), add "R" to the end of the part number.

1-speed pumps have an on/off toggle switch. 2-speed pumps have a hi/lo/off toggle switch included.

NEMA cord is 3 prong grounded.



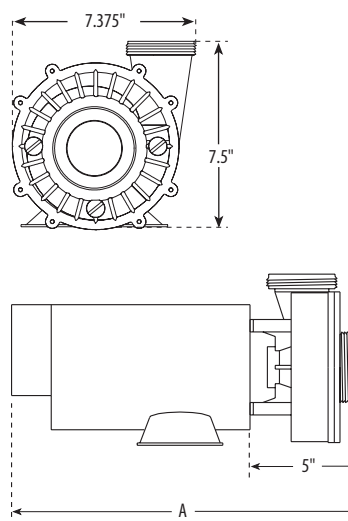
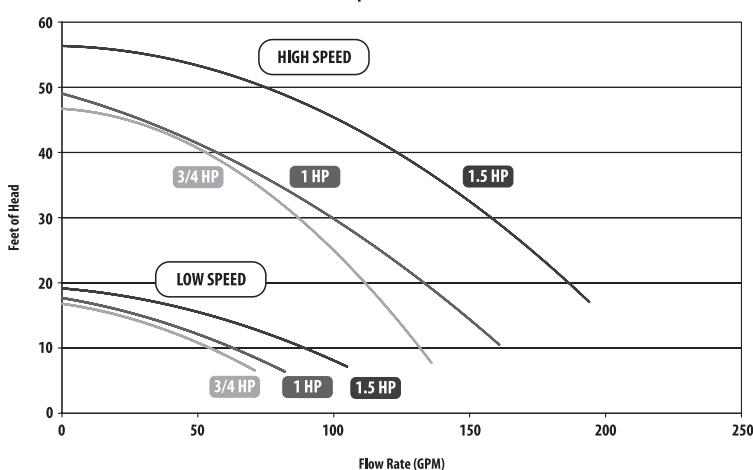
FEATURES:

- 1 1/2" union threads / 1 1/2" FPT intake and 2" union threads / 1 1/2" FPT discharge
- Powerful side discharge performance
- Wet end can be rotated for easy installation
- Large 6" pump trap with one-piece clear lid
- High head capability
- Trap is 2" union x 1 1/2" union / 1 1/2" FPT



For replacement parts, see page 225.

Hi-Flo Pumps - Performance Curves



The Hi-Flo Above Ground pump was designed for superior and efficient performance. The Hi-Flo pump features high flow rate performance for faster filtering cycles. This pump is ideal for new installations or as a replacement pump.

Hi-Flo Side Discharge 48-Frame Above Ground Pool Pump and Trap

Part No.	Description	Volts	HP	Weight (lbs.)	List (US \$)
PH1075-3	1-Speed - 3 ft. Twist-Lock Cord	115	3/4	24	492.62
PH1100-3	1-Speed - 3 ft. Twist-Lock Cord	115	1.0	25	509.28
PH1150-3	1-Speed - 3 ft. Twist-Lock Cord	115	1.5	30.5	549.87
PH1200-3	1-Speed - 3 ft. Twist-Lock Cord	115	2.0	32	655.39
PH2075-3	2-Speed - 3 ft. Twist-Lock Cord	115	3/4	24	602.64
PH2100-3	2-Speed - 3 ft. Twist-Lock Cord	115	1.0	25	616.84
PH2150-3	2-Speed - 3 ft. Twist-Lock Cord	115	1.5	30.5	665.51
PH2200-3	2-Speed - 3 ft. Twist-Lock Cord	115	2.0	32	716.26
PH1075-6	1-Speed - 6 ft. NEMA Cord	115	3/4	26	492.62
PH1100-6	1-Speed - 6 ft. NEMA Cord	115	1.0	30	509.28
PH1150-6	1-Speed - 6 ft. NEMA Cord	115	1.5	33	549.87
PH1200-6	1-Speed - 6 ft. NEMA Cord	115	2.0	35	655.39
PH2075-6	2-Speed - 6 ft. NEMA Cord	115	3/4	26	602.64
PH2100-6	2-Speed - 6 ft. NEMA Cord	115	1.0	30	616.84
PH2150-6	2-Speed - 6 ft. NEMA Cord	115	1.5	33	665.51
PH2200-6	2-Speed - 6 ft. NEMA Cord	115	2.0	35	716.26

Part numbers listed are for the discharge in the vertical position (sand). For discharge in horizontal position (cartridge and D.E.), add "R" to the part number.

1-speed pumps have an on/off toggle switch. 2-speed pumps have a hi/lo/off toggle switch included.

NEMA cord is 3 prong grounded.

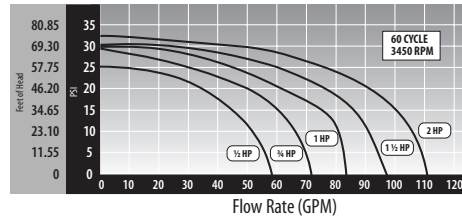


Pool Pumps - Above Ground / Center Discharge - 48-Frame

FEATURES:

- 1 1/2" Union / 1 1/2" FPT Inlet & Vertical Discharge or 1 1/2" Union / 1 1/2" FPT Inlet and Jacuzzi Self-Aligning Union Discharge (SLR9)
- Powerful center discharge performance
- Wet end can be rotated for easy installation
- Large 6" pump trap with one-piece clear lid
- High head capability
- Trap is 2" union x 1 1/2" union / 1 1/2" FPT

PRESSURE VERSUS FLOW RATE



For replacement parts, see page 227.

Center Discharge Above Ground Pool Pump

Part No.	Description	HP	Volts	List (US \$)
3410210-1544	1-Speed - 3 ft. Twist-Lock Cord	1/2	115	480.14
3410314-1544	1-Speed - 3 ft. Twist-Lock Cord	3/4	115	483.09
3410413-1544	1-Speed - 3 ft. Twist-Lock Cord	1.0	115	492.86
3410612-1544	1-Speed - 3 ft. Twist-Lock Cord	1.5	115	533.33
3410811-1544	1-Speed - 3 ft. Twist-Lock Cord	2.0	115	630.88
3420210-1544	2-Speed - 3 ft. Twist-Lock Cord	1/2	115	576.22
3420310-1544	2-Speed - 3 ft. Twist-Lock Cord	3/4	115	581.51
3420411-1544	2-Speed - 3 ft. Twist-Lock Cord	1.0	115	597.46
3420612-1544	2-Speed - 3 ft. Twist-Lock Cord	1.5	115	642.67
3420610-1544	2-Speed - 3 ft. Twist-Lock Cord	2.0	115	687.89
3410210-1549	1-Speed - 6 ft. NEMA Cord	1/2	115	480.14
3410314-1549	1-Speed - 6 ft. NEMA Cord	3/4	115	483.09
3410413-1549	1-Speed - 6 ft. NEMA Cord	1.0	115	492.86
3410612-1549	1-Speed - 6 ft. NEMA Cord	1.5	115	533.33
3410811-1549	1-Speed - 6 ft. NEMA Cord	2.0	115	630.88
3420310-1549	2-Speed - 6 ft. NEMA Cord	3/4	115	581.51
3420411-1549	2-Speed - 6 ft. NEMA Cord	1.0	115	597.46
3420612-1549	2-Speed - 6 ft. NEMA Cord	1.5	115	642.67
3420610-1549	2-Speed - 6 ft. NEMA Cord	2.0	115	687.89

Center Discharge Above Ground Pool Pump - Jacuzzi Style Threads

Part No.	Description	HP	Volts	List (US \$)
3410210-1524	1-Speed - 3 ft. Twist-Lock Cord	1/2	115	493.05
3410314-1524	1-Speed - 3 ft. Twist-Lock Cord	3/4	115	497.10
3410413-1524	1-Speed - 3 ft. Twist-Lock Cord	1.0	115	507.28
3410612-1524	1-Speed - 3 ft. Twist-Lock Cord	1.5	115	547.84
3410811-1524	1-Speed - 3 ft. Twist-Lock Cord	2.0	115	649.93
3420210-1524	2-Speed - 3 ft. Twist-Lock Cord	1/2	115	594.03
3420310-1524	2-Speed - 3 ft. Twist-Lock Cord	3/4	115	598.54
3420411-1524	2-Speed - 3 ft. Twist-Lock Cord	1.0	115	614.80
3420612-1524	2-Speed - 3 ft. Twist-Lock Cord	1.5	115	661.47
3420610-1524	2-Speed - 3 ft. Twist-Lock Cord	2.0	115	669.29
3410210-1529	1-Speed - 6 ft. NEMA Cord	1/2	115	493.05
3410314-1529	1-Speed - 6 ft. NEMA Cord	3/4	115	497.10
3410413-1529	1-Speed - 6 ft. NEMA Cord	1.0	115	507.28
3410612-1529	1-Speed - 6 ft. NEMA Cord	1.5	115	547.84
3410811-1529	1-Speed - 6 ft. NEMA Cord	2.0	115	653.36
3420210-1529	2-Speed - 6 ft. NEMA Cord	1/2	115	594.03
3420310-1529	2-Speed - 6 ft. NEMA Cord	3/4	115	598.54
3420411-1529	2-Speed - 6 ft. NEMA Cord	1.0	115	614.80
3420612-1529	2-Speed - 6 ft. NEMA Cord	1.5	115	661.47
3420610-1529	2-Speed - 6 ft. NEMA Cord	2.0	115	669.29



310-3500



310-3000

SVL56 Wet Ends

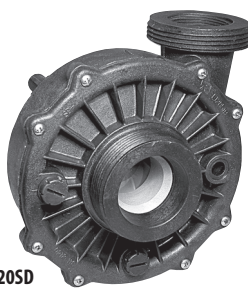
Part No.	Description	Case Quantity	List (US \$)
310-3500	1 HP - EF	10	481.71
310-3510	1.5 HP - EF	10	481.71
310-3520	2 HP - EF	10	481.71
310-3530	3 HP - EF	10	481.71
310-3540	¾ HP - SF	10	481.71
310-3550	1 HP - SF	10	481.71
310-3560	1.5 HP - SF	10	481.71
310-3570	2 HP - SF	10	481.71
310-3580	2.5 HP - SF	10	481.71

Champion Wet Ends

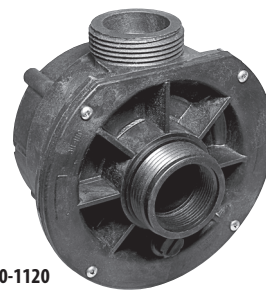
Part No.	Description	List (US \$)
310-3000	¾ HP SF	446.40
310-3010	1 HP SF	446.40
310-3010-SS	1 HP SF - Stainless Steel	476.27
310-3020	1.5 HP SF	446.40
310-3030	2 HP SF	446.40
310-3030-SS	2 HP SF - Stainless Steel	476.27
310-3040	2.5 HP SF	446.40
310-3050	3 HP SF	446.40
310-3050-SS	3 HP SF - Stainless Steel	476.27
310-3060	¾ HP EF	446.40
310-3070	1 HP EF	446.40
310-3080	1.5 HP EF	446.40
310-3090	2 HP EF	446.40
310-3100	3 HP EF	446.40



310-5400



310-1120SD



310-1120

6" Leaf Traps

Part No.	Description	Case Quantity	List (US \$)
310-5400	1 ½" x 1 ½"	5	74.47
310-6500	1 ½" x 2"	5	84.79
310-6600	2" x 2"	5	82.32
310-6700	2" x 2" Workman	5	117.16

Hi-Flo Wet Ends

Part No.	Description	Case Quantity	List (US \$)
310-1120SD	¾ HP	15	105.42
310-1130SD	1 HP	15	105.42
310-1140SD	1.5 HP	15	105.42
310-1141SD	2 HP	15	105.42

Supreme Wet Ends

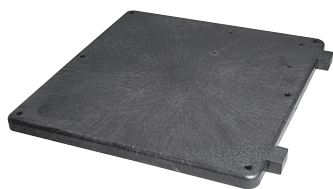
Part No.	Description	Case Quantity	List (US \$)
310-5080	¾ HP (less trap)	--	30.17
310-5090	1 HP (less trap)	--	30.17
310-5100	1.5 HP or 2 HP (less trap)	--	30.17

Center Discharge Wet Ends

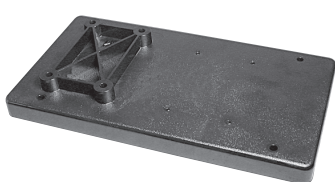
Part No.	Description	Case Quantity	List (US \$)
310-1110	½ HP	12	101.36
310-1120	¾ HP	12	101.36
31a0-1130	1 HP	12	101.36
310-1140	1.5 HP	12	101.36
310-1141	2 HP	12	101.36



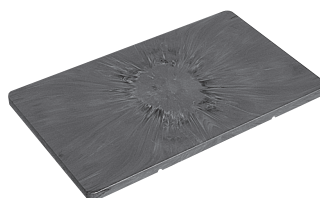
Pool Pumps / Equipment Bases



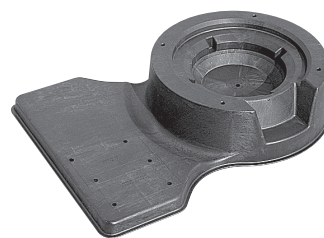
672-1010



672-1110



672-1000



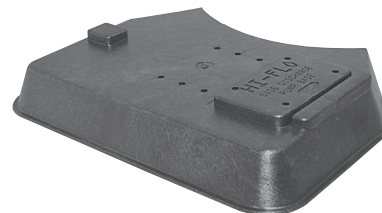
672-7241



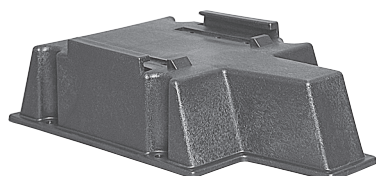
672-7401



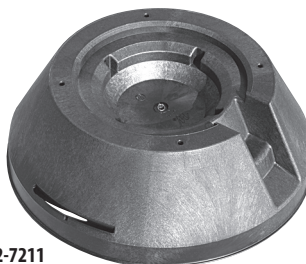
672-7201



672-7221



672-7271



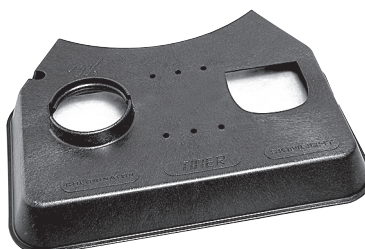
672-7211



CABASE-V



675-1380



CABASE



ClearWater Modular Accessory Base
(shown with accessories - not included)



Bases		
Part No.	Description	List (US \$)
672-1010	¾" x 14 ½" x 15"	28.92
672-1110	1" x 8 ½" x 15 ½" with Mount Stand	15.35
672-1000	1" x 15 ¼" x 26 ¼"	35.23
672-7241	ClearWater Standard Filter and Pump Base	76.66
672-7401	ClearWater II Filter and Pump Base	145.92
672-7201	ClearWater Modular Pump Base for Supreme/ WorkHorse Pump	32.54
672-7221	ClearWater Modular Pump Base for Hi-Flo Pump	32.54
672-7271	CSA Pump Base	27.12
672-7211	ClearWater/Carefree Modular Filter Base	65.05
675-1380	Champion Adjustable Base	51.15
CABASE	ClearWater Modular Accessory Base (for use with Modular Base Systems)	32.54
CABASE-V	Modular Feeder Base (for use with Modular Base Systems)	39.04
CABASE-VF	Feeder Base with Fittings	60.04



FEATURES:

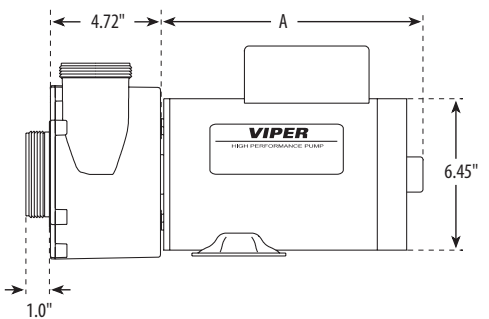
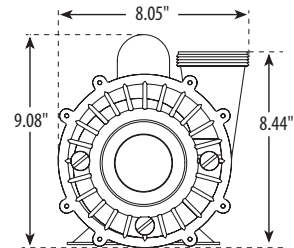
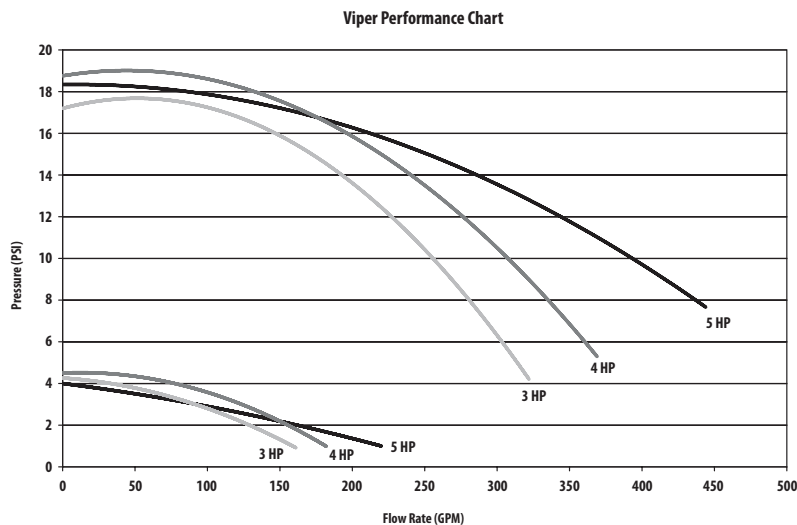
- Viper wet end designed specifically for 56-frame motors
- Two double shielded ball bearings with moisture resistant grease for quieter operation and longer life
- Two speed motors have four sets of insulated windings for increased efficiency
- 56-frame motor for added strength, cooler operating temperature and longer motor life
- Large 2 1/2" intake for improved flow performance and reduced noise
- Large 8" diameter wet end for increased volume capacity
- Split capacitor, (start and run) for less energy consumption
- Thermally protected to extend life expectancy of motor
- Highly versatile wet end can be rotated every 90°
- Viton seals
- Three year warranty on motor and wet end

Call for available cords and plugs.



For 2-speed models only

For replacement parts, see page 232.



2-Speed Viper 56-Frame Pumps

Part No.	Description	HP	Volts	Amps High Speed	Amps Low Speed	Hz	Dimension "A"	List (US \$)
3721221-1T	2 1/2" Intake - 2 1/2" Discharge	3	230	10	3.5	60	11"	670.84
3721621-1T	2 1/2" Intake - 2 1/2" Discharge	4	230	12	4.4	60	11"	720.20
3722021-0T	2 1/2" Intake - 2 1/2" Discharge	5	230	16.4	4.8	60	11"	743.51

1-Speed Viper 56-Frame Pumps

Part No.	Description	HP	Volts	Amps	Hz	Dimension "A"	List (US \$)
3711621-0T	2 1/2" Intake - 2 1/2" Discharge	4	230	12	60	11"	627.21
3712021-0T	2 1/2" Intake - 2 1/2" Discharge	5	230	16.4	60	11"	627.21

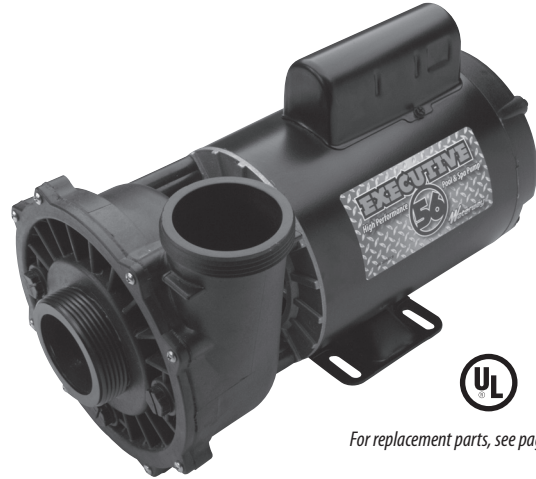


Spa Pumps / Executive - 56-Frame

FEATURES:

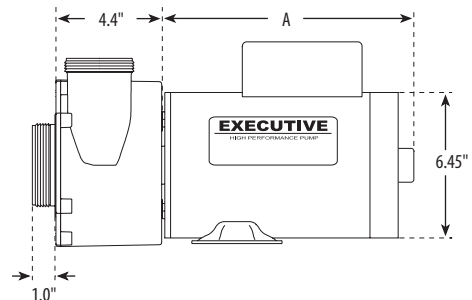
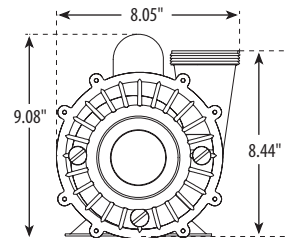
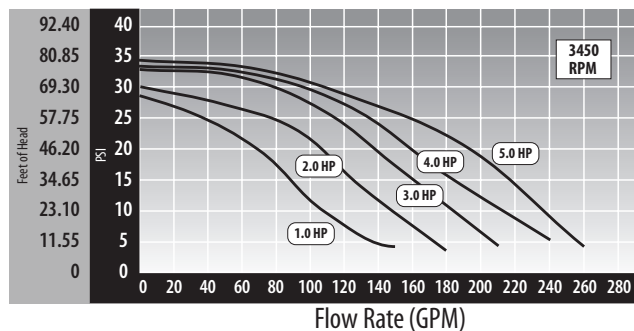
- Executive wet end designed specifically for 56-frame motors
- Two double shielded ball bearings with moisture resistant grease for quieter operation and longer life
- Two speed motors have four sets of insulated windings for increased efficiency
- 56 frame motor for added strength, cooler operating temperature and longer motor life
- Large 2 1/2" intake for improved flow performance and reduced noise
- Large 6 1/2" diameter wet end for higher head pressure
- Split capacitor, (start and run) for less energy consumption
- Thermally protected to extend life expectancy of motor
- Highly versatile wet end can be rotated every 90°
- Viton seals
- Three year warranty on motor and wet end

Call for available cords and plugs.



For replacement parts, see page 230.

PRESSURE VERSUS FLOW RATE



2-Speed Executive 56-Frame Pumps

Part No.	Description	HP	Volts	Amps High Speed	Amps Low Speed	Hz	Dimension "A"	List (US \$)
3720821-1D	2" Intake - 2" Discharge	2	230	8.0	3.0	60	8.875"	556.40
3720821-13	2 1/2" Intake - 2" Discharge	2	230	8.0	3.0	60	8.875"	556.40
3721221-1D	2" Intake - 2" Discharge	3	230	10.0	3.4	60	9.875"	594.50
3721221-13	2 1/2" Intake - 2" Discharge	3	230	10.0	3.4	60	9.875"	594.50
3721621-1D	2" Intake - 2" Discharge	4	230	12.0	4.4	60	10.375"	648.18
3721621-13	2 1/2" Intake - 2" Discharge	4	230	12.0	4.4	60	10.375"	648.18
3722021-1D	2" Intake - 2" Discharge	5	230	16.4	4.8	60	10.375"	736.04
3722021-13	2 1/2" Intake - 2" Discharge	5	230	16.4	4.8	60	10.375"	736.04

1-Speed Executive 56-Frame Pumps

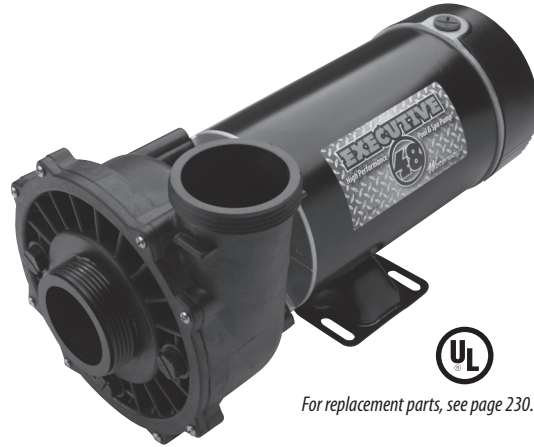
Part No.	Description	HP	Volts	Amps	Hz	Dimension "A"	List (US \$)
3710821-1D	2" Intake - 2" Discharge	2	230	8.0	60	8.875"	556.40
3710821-13	2 1/2" Intake - 2" Discharge	2	230	8.0	60	8.875"	556.40
3711221-1D	2" Intake - 2" Discharge	3	230	10.0	60	9.875"	594.50
3711221-13	2 1/2" Intake - 2" Discharge	3	230	10.0	60	9.875"	594.50
3711621-1D	2" Intake - 2" Discharge	4	230	12.0	60	10.375"	616.72
3711621-13	2 1/2" Intake - 2" Discharge	4	230	12.0	60	10.375"	634.75
3712021-1D	2" Intake - 2" Discharge	5	230	16.4	60	10.375"	634.75
3712021-13	2 1/2" Intake - 2" Discharge	5	230	16.4	60	10.375"	643.11



FEATURES:

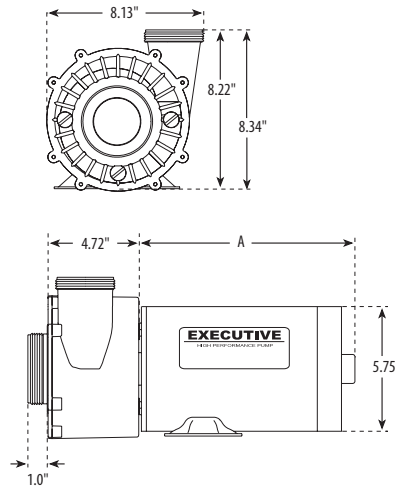
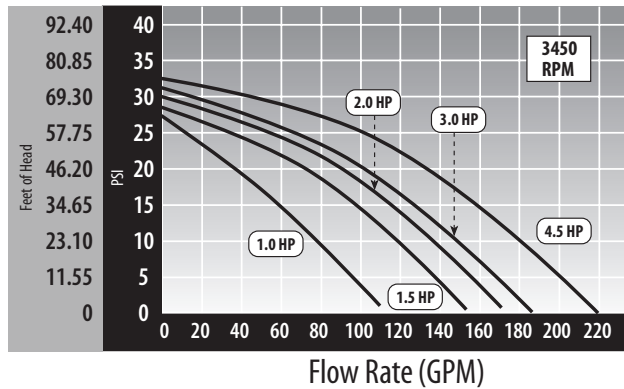
- Executive wet end designed specifically for 48-frame motors
- Large 2 1/2" intake for improved flow performance and reduced noise
- Large 6 1/2" diameter wet end for higher head pressure
- Thermally protected to extend life expectancy of motor
- Highly versatile wet end can be rotated every 90°
- Viton seals
- 2-year warranty on motor, 3-year on wet end

Call for available cords and plugs.



For replacement parts, see page 230.

PRESSURE VERSUS FLOW RATE



2-Speed Executive 48-Frame Pumps

Part No.	Description	HP	Volts	Amps High Speed	Amps Low Speed	Hz	Dimension "A"	List (US \$)
3420410-1A	2" Intake - 2" Discharge	1.0	115	11.0	2.9	60	9.73"	478.37
3420410-13	2 1/2" Intake - 2" Discharge	1.0	115	11.0	2.9	60	9.73"	478.37
3420610-1A	2" Intake - 2" Discharge	1.5	115	16.4	4.4	60	10.48"	522.36
3420610-13	2 1/2" Intake - 2" Discharge	1.5	115	16.4	4.4	60	10.48"	522.36
3420620-1A	2" Intake - 2" Discharge	1.5	230	8.0	2.6	60	10.45"	522.36
3420620-13	2 1/2" Intake - 2" Discharge	1.5	230	8.0	2.6	60	10.45"	522.36
3420820-1A	2" Intake - 2" Discharge	2.0	230	10.5	2.6	60	11.0"	553.47
3420820-13	2 1/2" Intake - 2" Discharge	2.0	230	10.5	2.6	60	11.0"	553.47
3421221-1A	2" Intake - 2" Discharge	3.0	230	8.5	2.8	60	11.0"	572.73
3421221-13	2 1/2" Intake - 2" Discharge	3.0	230	8.5	2.8	60	11.0"	572.73
3421821-1A	2" Intake - 2" Discharge	4.5	230	12.0	3.5	60	11.98"	645.68
3421821-13	2 1/2" Intake - 2" Discharge	4.5	230	12.0	3.5	60	11.98"	645.68

1-Speed Executive 48-Frame Pumps

Part No.	Description	HP	Volts	Amps	Hz	Dimension "A"	List (US \$)
3410410-1A	2" Intake - 2" Discharge	1.0	115	12	60	9.23"	413.90
3410610-1A	2" Intake - 2" Discharge	1.5	115	17	60	9.78"	444.78
3410830-1A	2" Intake - 2" Discharge	2.0	115/230	20/10	60	10.98"	509.35
3410830-13	2 1/2" Intake - 2" Discharge	2.0	115/230	20/10	60	10.98"	509.35
3411621-1A	2" Intake - 2" Discharge	4.0	230	12	60	11.18"	598.31
3411621-13	2 1/2" Intake - 2" Discharge	4.0	230	12	60	11.18"	598.31



Spa Pumps / Executive & Viper Euro - 50 Hz

EXECUTIVE WET END FEATURES:

- High performance Executive wet end specifically designed for 56-frame motors
- Large 2" intake for improved flow performance and noise reduction
- Large 6" diameter wet end for higher head pressure
- Highly versatile wet end can be rotated every 90°

VIPER WET END FEATURES:

- Ultra high performance Viper wet end specifically designed for 56-frame motors
- Extra large 2 1/2" intake for improved flow performance and noise reduction
- Large 8" diameter wet end to move higher volumes of water at lower pressures
- Highly versatile wet end can be rotated every 90°

MOTOR FEATURES:

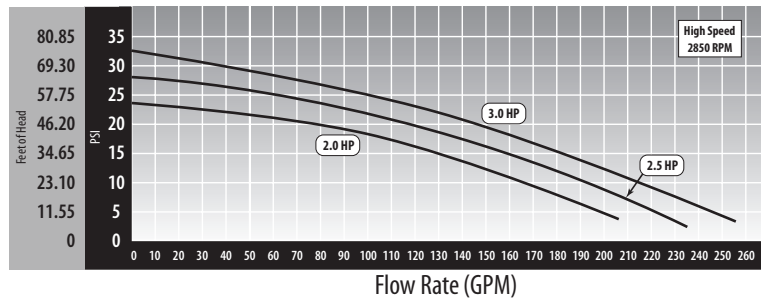
- Water repellent Italian made EMG motor
- 56-frame motor for added strength, cooler operating temperature and longer motor life
- Two double shielded ball bearings with moisture resistant grease for quieter operation and longer life
- Two-speed motors have four sets of insulated windings for increased efficiency
- Split capacitor, (start and run) for less energy consumption
- Thermally protected to extend life expectancy of motor
- IPX5 construction

PUMP FEATURES:

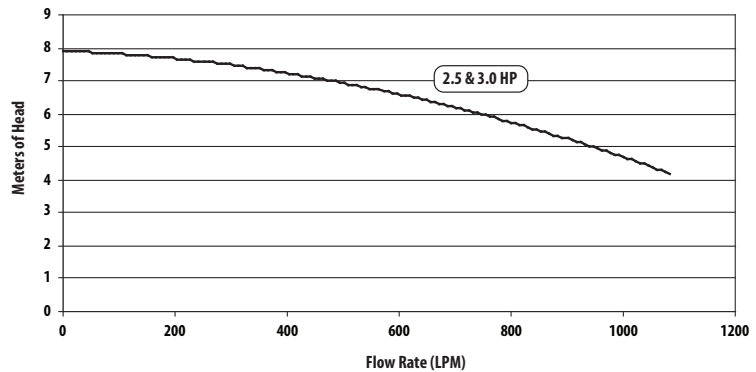
- TUV listed
- TUV J and J mini plug (optional)
- Viton seals
- Three year warranty



PRESSURE VERSUS FLOW RATE



PRESSURE VERSUS FLOW RATE - VIPER EURO PERFORMANCE CHART



Executive Euro 50 Hz Pumps

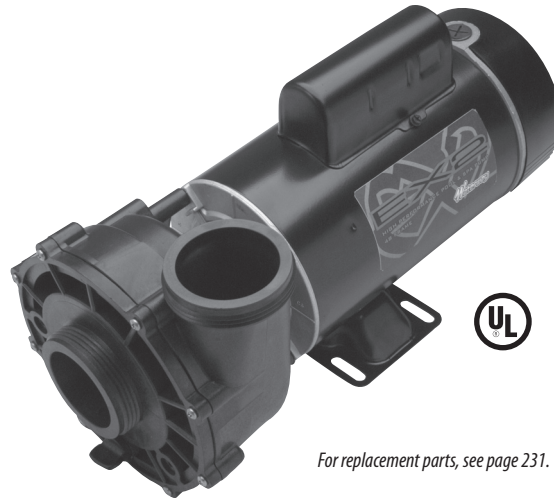
Part No.	Description	HP	Speed	Hz	Volts	Amps	List (US \$)
3R10850-0D	Executive Euro Pump	2 HP	1-Speed	50	230	8.7	550.91
3R11250-0D	Executive Euro Pump	3 HP	1-Speed	50	230	12.7	558.65
3R20850-0D	Executive Euro Pump	2 HP	2-Speed	50	230	9.3 / 1.8	610.47
3R21050-0D	Executive Euro Pump	2 1/2 HP	2-Speed	50	230	10.3 / 1.8	725.75

Viper Euro 50 Hz Pumps

Part No.	Description	HP	Speed	Hz	Volts	Amps	List (US \$)
3R11250-0V	Viper Euro Pump	3 HP	1-Speed	50	230	12.3 / 12.8	575.81
3R21050-0V	Viper Euro Pump	2 1/2 HP	2-Speed	50	230	11.4	742.92

**FEATURES:**

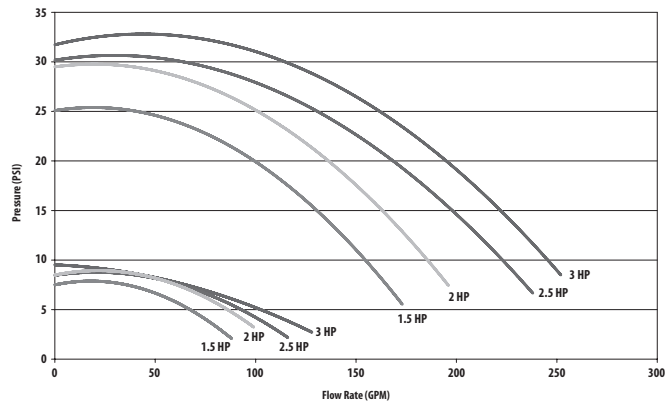
- True continuous rated horsepower of 1.5, 2.0, 2.5 and 3.0 HP
- 48-Frame or 56-Frame, Single or Dual Speed (energy saving)
- Use more jets per pump
- Same physical size as Aqua-Flo XP2, XP2e (fits within the same volume envelope)
- Can be used as substitute or retrofit to Aqua-Flo model XP2 or XP2e pumps and similar pumps and wet ends offered by other domestic and foreign suppliers
- Made in USA from highest quality materials with UL and CUL certifications
- CE and TUV certification on export pumps to ensure product performance for you and your customers
- Equipped with the highest quality Viton Seals
- Equipped with high efficiency electrical motors, custom designed for Spa applications



For replacement parts, see page 231.

Call for available cords and plugs.

EX2 Performance Chart



2-Speed EX 2 48-Frame Pumps

Part No.	Description	HP - Full	Volts	Amps High Speed	Amps Low Speed	Hz	List (US \$)
3420610-1U	2" Intake - 2" Discharge	1.5	115	16.4	4.4	60	522.36
3420820-1U	2" Intake - 2" Discharge	2	230	10.5	2.6	60	553.47
3421021-1U	2" Intake - 2" Discharge	2	230	9.0	2.8	60	508.10
3421221-1U	2" Intake - 2" Discharge	2	230	8.5	2.8	60	572.73
3421020-1U	2" Intake - 2" Discharge	2.5	230	11.0	3.3	60	593.76
3421821-1U	2" Intake - 2" Discharge	3	230	12.0	3.5	60	645.68

1-Speed EX 2 48-Frame Pumps

Part No.	Description	HP - Full	Volts	Amps	Hz	List (US \$)
3410610-1U	2" Intake - 2" Discharge	1.5	115	17.0	60	444.78
3411020-1U	2" Intake - 2" Discharge	2.5	230	10.0	60	595.98
3411621-1U	2" Intake - 2" Discharge	3.0	230	12.0	60	598.31

2-Speed EX 2 56-Frame Pumps

Part No.	Description	HP - Full	Volts	Amps High Speed	Amps Low Speed	Hz	List (US \$)
3720821-1W	2" Intake - 2" Discharge	2	230	8.0	3.0	60	556.40
3721220-1W	2" Intake - 2" Discharge	2.5	230	11.0	3.3	60	598.39
3721621-1W	2" Intake - 2" Discharge	3.0	230	12.0	4.4	60	648.12
3M21621-1W	2" Intake - 2" Discharge	3.0	230	12.0	4.4	60	648.12

1-Speed EX 2 56-Frame Pumps

Part No.	Description	HP - Full	Volts	Amps	Hz	List (US \$)
3711621-1W	2" Intake - 2" Discharge	3.0	230	12.0	60	616.72



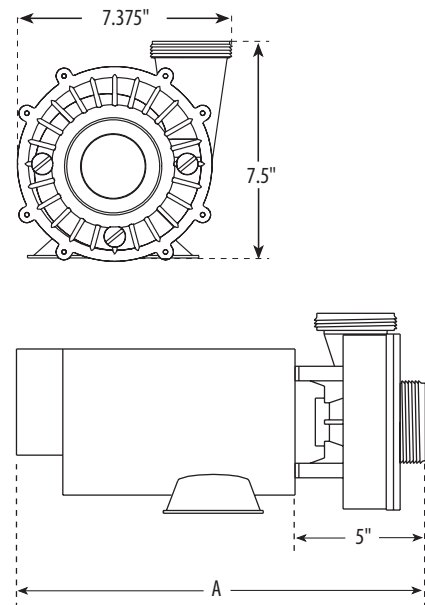
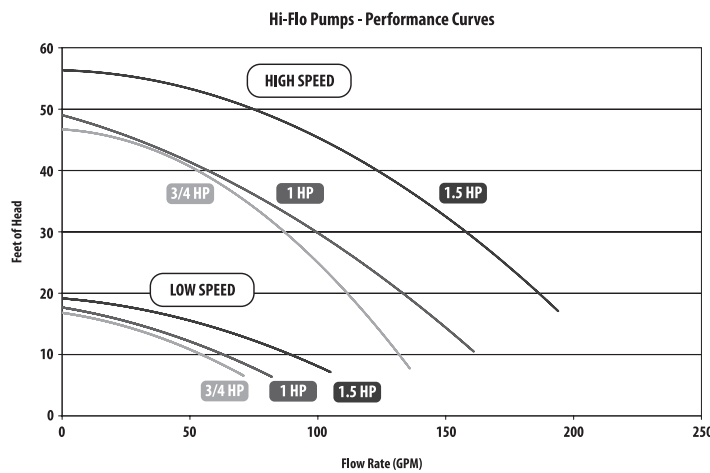
Spa Pumps / Hi-Flo Side Discharge - 48-Frame

FEATURES:

- High volume side discharge efficiency
- 60% more efficient than our center discharge pumps
- 2" intake and discharge
- Wet end can be rotated for easy installation
- Available in 1 to 4 HP, 1 or 2 speed
- Large 6 1/2" diameter wet end for higher head pressure
- Viton Seals
- 18 month warranty



For replacement parts, see page 234.



2-Speed Hi-Flo Side Discharge 48-Frame Pumps

Part No.	HP	Volts	Amps High Speed	Amps Low Speed	Hz	Dimension "A"	List (US \$)
3420410-10	1.0	115	11.0	2.9	60	14.73"	478.37
3420610-10	1.5	115	16.4	4.4	60	15.48"	522.36
3420620-10	1.5	230	8.0	2.6	60	15.48"	522.36
3420820-10	2.0	230	10.5	2.6	60	16.00"	553.47
3421221-10	3.0	230	8.5	2.8	60	16.00"	572.73
3421621-10	4.0	230	12.0	3.5	60	16.98"	645.68

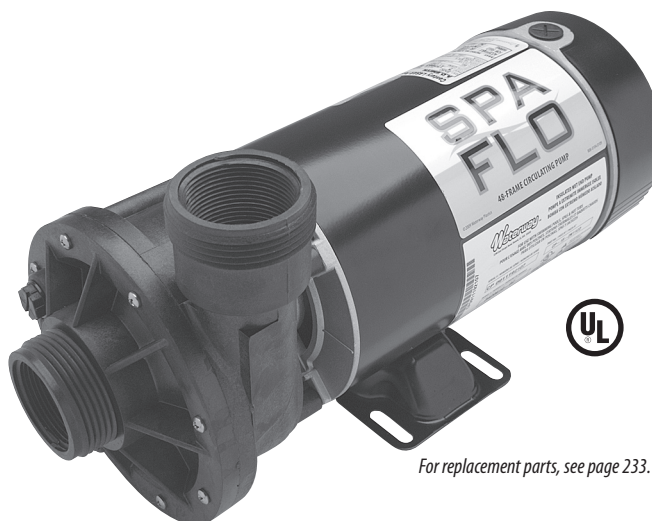
1-Speed Hi-Flo Side Discharge 48-Frame Pumps

Part No.	HP	Volts	Amps	Hz	Dimension "A"	List (US \$)
3410410-10	1.0	115	12.0	60	14.23"	413.90
3410612-10	1.5	115	17.0	60	14.78"	413.90
3410830-10	2.0	115/230	20-10	60	14.98"	509.35
3411621-10	4.0	230	12.0	60	15.18"	598.31



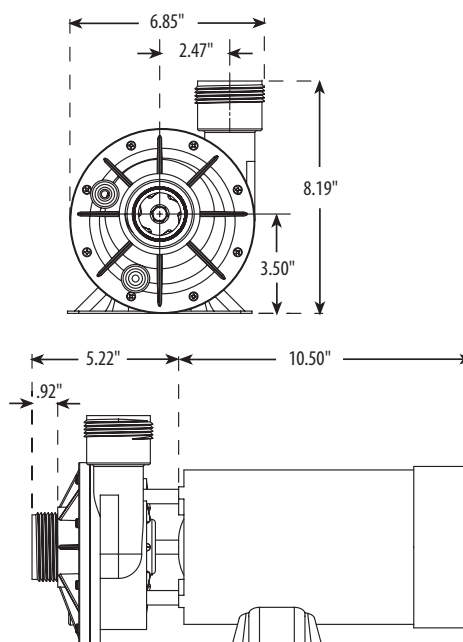
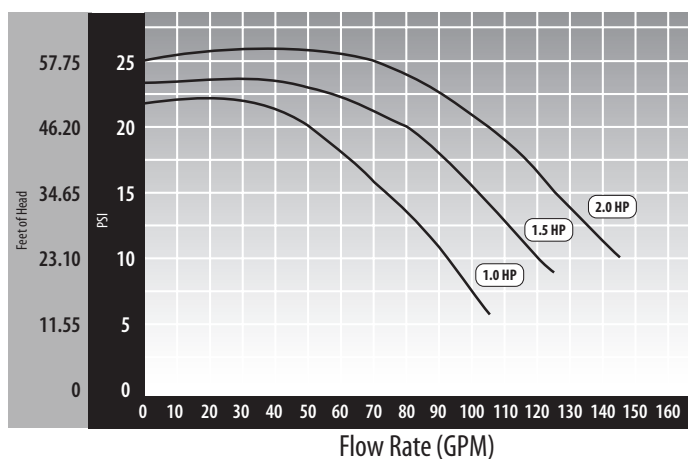
FEATURES:

- 48-frame proven design
- Designed for direct replacement in most spas
- Viton seals
- 1 1/2" Intake and Discharge



For replacement parts, see page 233.

PRESSURE VERSUS FLOW RATE



2-Speed Spa Flo 48-Frame Pumps

Part No.	HP	Volts	Hz	Case Quantity	List (US \$)
3420410-0Z	1	115	60	1	614.54
3420610-0Z	1 1/2	115	60	1	629.52
3420820-0Z	2	230	60	1	666.80

Sold without cords. Please call for available cords.

1-Speed Spa Flo 48-Frame Pumps

Part No.	HP	Volts	Hz	Case Quantity	List (US \$)
3410410-0Z	1	115	60	1	487.12
3410610-0Z	1 1/2	115	60	--	577.06
3410830-0Z	2	115 / 230	60	1	614.54

Sold without cords. Please call for available cords.



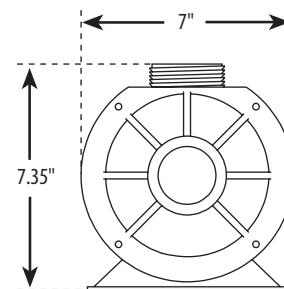
Spa Pumps / Center Discharge - 48-Frame

FEATURES:

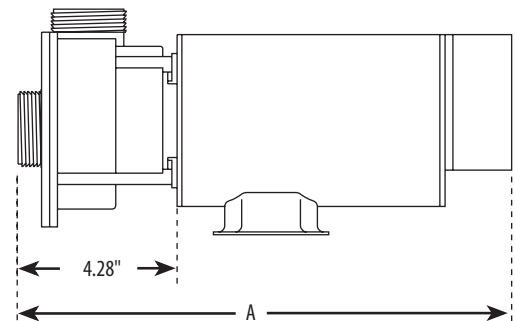
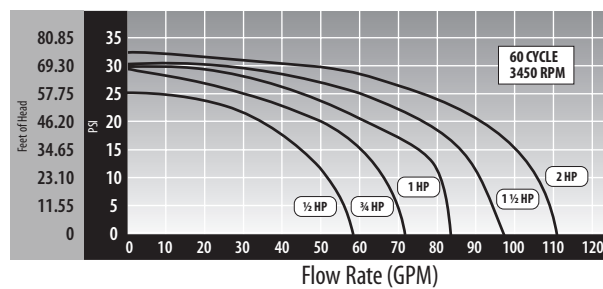
- Reliable center discharge performance
- 1 1/2" intake and discharge
- Wet end can be rotated for easy installation
- Available in 3/4 to 2 HP, 1 or 2 speed
- Viton Seals
- 18 month warranty



For replacement parts, see page 235.



PRESSURE VERSUS FLOW RATE



2-Speed Center Discharge Spa Pumps

Part No.	HP	Volts	Amps High Speed	Amps Low Speed	Hz	Dimension "A"	List (US \$)
3420310-15	3/4	115	8.8	2.6	60	15.00"	456.99
3420410-15	1.0	115	11.0	2.9	60	15.00"	478.37
3420610-15	1.5	115	16.4	4.4	60	15.75"	522.36
3420620-15	1.5	230	8.0	2.6	60	15.73"	522.36
3420820-15	2.0	230	10.5	2.6	60	16.28"	553.47

1-Speed Center Discharge Spa Pumps

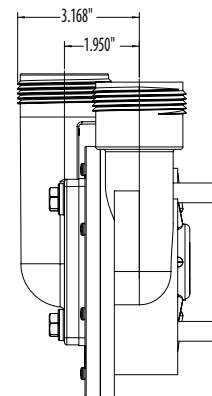
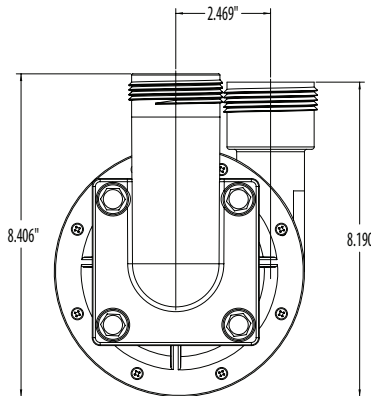
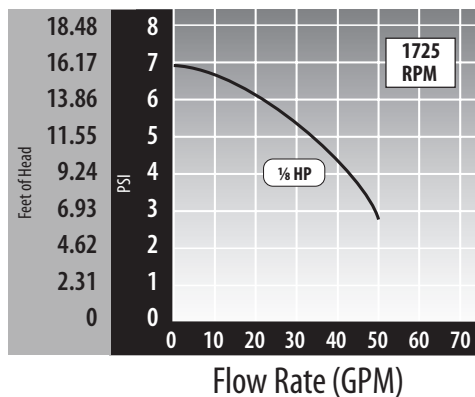
Part No.	HP	Volts	Amps	Hz	Dimension "A"	List (US \$)
3410310-15	3/4	115	9.8	60	14.00"	395.68
3410410-15	1.0	115	12.0	60	14.50"	413.40
3410610-15	1.5	115	17.0	60	15.05"	444.78
3410830-15	2.0	115/230	20-10	60	16.26"	509.35

**FEATURES:**

- Universal Input Volute
(Can be rotated to 12:00, 3:00, 6:00, or 9:00 positions)
- 24-hour circulation
- 48-Frame proven design
- Side Discharge for optimum performance
- 1/8 HP
- Low power usage (0.8/1.6 amps)
- Viton seals
- 1 1/2" Union In/Out
- One year limited warranty



PRESSURE VERSUS FLOW RATE



Uni-Might Pumps

Part No.	Description	HP	Volts	Amps	Hz	List (US \$)
3410030-0X	Uni-Might Pump	1/8	115	1.6	50/60	314.18
3410020-0X	Uni-Might Pump	1/8	230	0.8	50/60	314.18



Uni-Might Wet End

Part No.	Description	Rating	List (US \$)
310-5070	Uni-Might Wet End	1/8	95.39



Spa Pumps / Iron Might

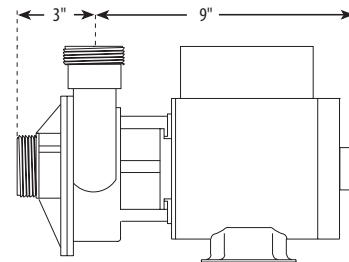
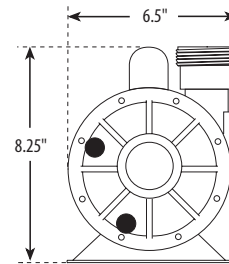
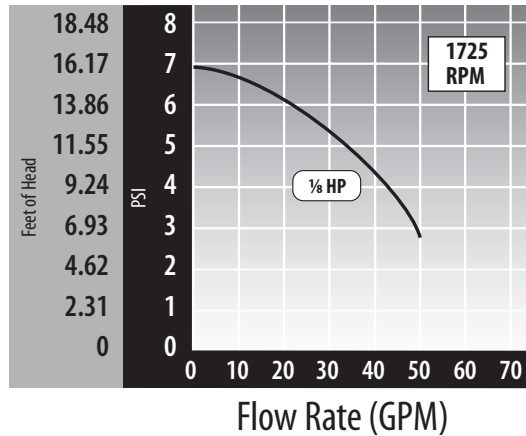
FEATURES:

- 24-hour circulation
- 48-frame proven design
- Side discharge for optimum flow
- Multiple union assemblies available
- Delivers 40 GPM
- 1/8 HP
- Only 1.3 Amps
- Viton seals
- 1 1/2" Intake and Discharge
- One year warranty



For replacement parts, see page 233.

PRESSURE VERSUS FLOW RATE



Iron Might 1-Speed 48-Frame Circulating Pumps

Part No.	HP	Volts	Hz	Case Quantity	List (US \$)
3410020-1E	1/8	230	60	1	317.43
3410030-1E	1/8	115	60	1	317.43

Leaf Trap (sold separately)

Part No.	Description	Case Quantity	List (US \$)
310-5400	Leaf Trap – 1 1/2" Union x 1 1/2" FPT	5	74.47



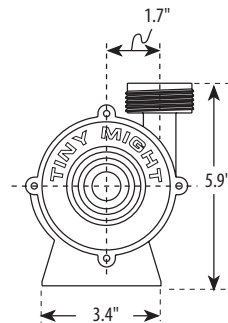
Pond Pump - Iron Might with Trap

Part No.	Description	List (US \$)
3410030-1E77	1/8 HP - 115V - 6 ft. NEMA Cord	402.09

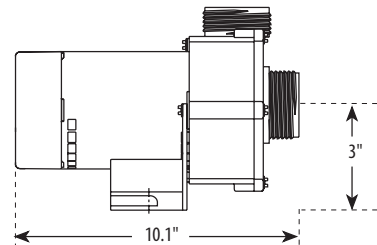
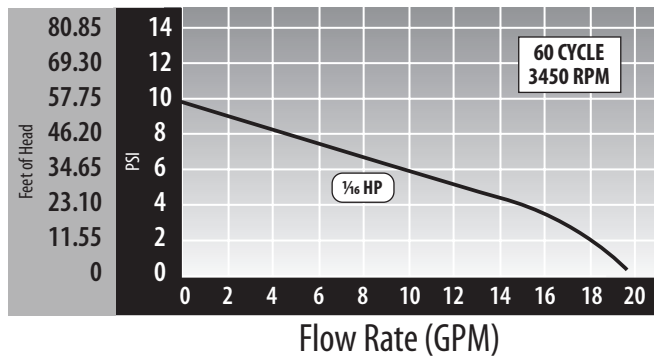


FEATURES:

- High volume side discharge efficiency
- 60% more efficient than our center discharge pumps
- Side discharge for optimum flow
- 1" union or 1" barb
- Wet end can be rotated for easy installation
- 1/16 HP
- Large 6 1/2" diameter wet end for higher head pressure
- One year warranty



PRESSURE VERSUS FLOW RATE



Tiny Might Circulating Pumps

Part No.	Description	HP	Volts	Amps	Hz	List (US \$)
3312610-14	1" Union x 1" Union	1/16	115	0.8	60	295.88
3312620-14	1" Union x 1" Union	1/16	230	0.4	50/60	295.88
3312610-19	1" Barb x 1" Barb	1/16	115	0.8	60	295.88
3312620-19	1" Barb x 1" Barb	1/16	230	0.4	50/60	295.88



Spa Pumps / Wet Ends



310-0700

Spa Flo Wet Ends

Part No.	Rating	Case Quantity	List (US \$)
310-0700	1 HP	--	87.75
310-0800	1 ½ HP	15	87.75
310-0810	2 HP	15	87.75



310-0140

2 ½" Viper Wet Ends

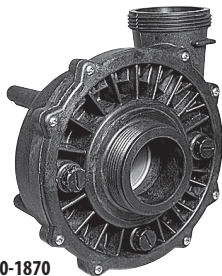
Part No.	Motor	Rating	Case Quantity	List (US \$)
310-0140	56-Frame	4 HP	8	105.42



310-2360

EX2 Wet Ends

Part No.	Motor	Rating	Case Qty.	List (US \$)	Part No.	Motor	Rating	Case Qty.	List (US \$)
310-2450	48-Frame	1 ½ HP	8	105.42	310-2360	56-Frame	1 ½ HP	15	105.42
310-2460	48-Frame	2 HP	8	105.42	310-2370	56-Frame	2 HP	15	105.42
310-2480	48-Frame	3 HP	8	105.42	310-2380	56-Frame	3 HP	15	105.42
					310-2390	56-Frame	2 ½ HP	15	105.42



310-1870

2" Executive Wet Ends

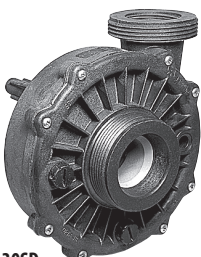
Part No.	Motor	Rating	Case Qty.	List (US \$)	Part No.	Motor	Rating	Case Qty.	List (US \$)
310-1870	48-Frame	1 HP	8	105.42	310-1710	56-Frame	1 HP	8	105.42
310-1880	48-Frame	1 ½ HP	8	105.42	310-1720	56-Frame	2 HP	8	105.42
310-1890	48-Frame	2 HP	8	105.42	310-1730	56-Frame	3 HP	8	105.42
310-1900	48-Frame	3 HP	8	105.42	310-1740	56-Frame	4 HP	8	105.42
310-1910	48-Frame	4 HP	8	105.42	310-1750	56-Frame	5 HP	8	105.42
310-1920	48-Frame	4 ½ HP	8	105.42					
310-1930	48-Frame	5 HP	8	105.42					



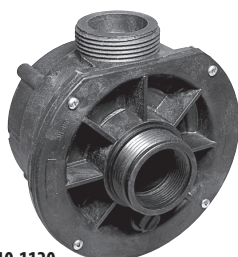
310-1800

2 ½" Executive Wet Ends

Part No.	Motor	Rating	Case Qty.	List (US \$)	Part No.	Motor	Rating	Case Qty.	List (US \$)
310-1800	48-Frame	1 HP	8	105.42	310-1460	56-Frame	1 HP	8	105.42
310-1810	48-Frame	1 ½ HP	8	105.42	310-1480	56-Frame	2 HP	8	105.42
310-1820	48-Frame	2 HP	8	105.42	310-1500	56-Frame	3 HP	8	105.42
310-1840	48-Frame	3 HP	8	105.42	310-1440	56-Frame	4 HP	8	105.42
310-1860	48-Frame	4 HP	8	105.42	310-1510	56-Frame	5 HP	8	105.42
310-1850	48-Frame	4 ½ HP	8	105.42					
310-1830	48-Frame	5 HP	8	105.42					



310-1130SD



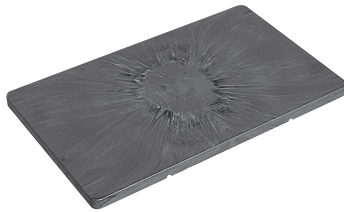
310-1120

2" Hi-Flo Side Discharge Wet Ends

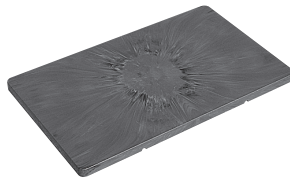
Part No.	Rating	Case Qty.	List (US \$)
310-1130SD	1 HP	15	105.42
310-1140SD	1 ½ HP	15	105.42
310-1141SD	2 HP	15	105.42
310-1150SD	3 HP	15	105.42
310-1160SD	4 HP	15	105.42

1 ½" Center Discharge Wet Ends

Part No.	Rating	Case Qty.	List (US \$)
310-1120	¾ HP	12	101.36
310-1130	1 HP	12	101.36
310-1140	1 ½ HP	12	101.36
310-1141	2 HP	12	101..36



672-1000



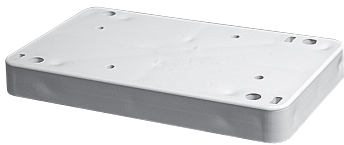
672-1010



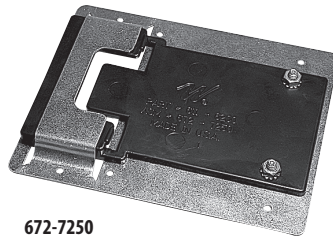
672-1060

Equipment Bases

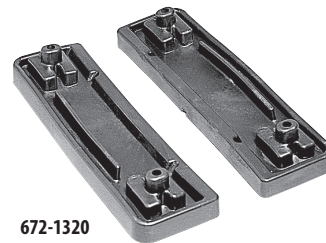
Part No.	Description	Case Quantity	List (US \$)
672-1000	1" x 15 1/4" x 26 1/4"	100	35.23
672-1010	1" x 14 1/2" x 15"	200	28.92
672-1060	1" x 8 1/2" x 15 1/2"	16	13.86



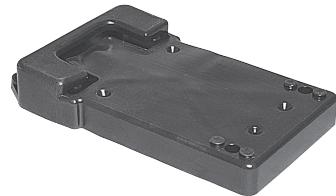
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672-7250



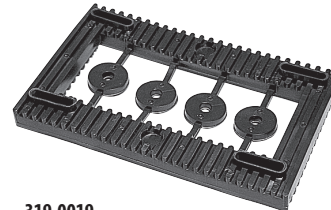
672-1320



672-1100



672-1020

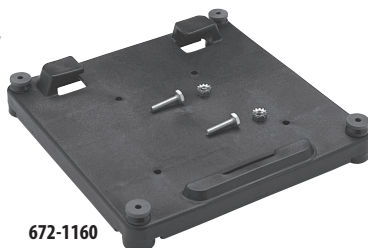


319-0019

48-Frame Motor Bases

Part No.	Description	Case Quantity	List (US \$)
672-1030	1/2" Thick Base	170	8.80
672-7250	Metal Pump Base Assembly - 7 1/2" x 5 5/8"	25	13.00
672-1320	Rubber EMG Euro Motor Base (sold as a pair)	80	3.84
672-1100	3/4" Thick Base with Tabs - PVC Flex	100	13.72
672-1020	3/4" Thick Base	170	11.32
672-1080	3/4" Thick Base - PVC Flex	50	11.32
319-0019	Self-Aligning Rubber Motor Base	100	5.13

NEW



672-1160

FEATURES:

- Fits most domestic and European pump motors (One size fits all!)
- Rubber isolation boots – isolate motor vibration
- EZ front load lock system – allows for easy installation and servicing
- Made of durable impact resistant Polypropylene material

Universal Floating 9" x 9" Pump Base

Part No.	Description	Case Quantity	List (US \$)
672-1160	Universal Floating 9" x 9" Pump Base Assembly	25	13.00