

Super II™

HIGH PERFORMANCE PUMP SERIES



SP3015X20AZ 2 H.P. Super II Pump

Super II is the proven design for both 1 1/2" and 2" high performance installations. Its hydraulic efficiency allows greater flow at lower operating costs. The additional riser base makes Super II a drop-in replacement for most aftermarket installations.

Applications

- In-ground pools of all types and sizes (including in-floor cleaning systems, solar heating systems, water features)
- In-ground spas or in-ground pool/spa combinations
- Fountains

Features

- Full-flow hydraulics allow greater flow at a lower cost of operation
- Save electricity and money with high efficiency single-speed and two-speed models
- 155-cubic-inch basket has rigid construction including load-extender ribbing for free-flow operation
- See-through cover so pool owners know exactly when to empty the extra-large debris basket
- Second base included to align Super II with STA-RITE®, DURA-GLAS® and other pumps for easy retrofit installations
- Self-priming (suction lift up to 10' above water level)
- Includes pump lid removal tool

IMPORTANT NOTE: Pumps and replacement motors that are single speed and one (1) TOTAL HP or greater cannot be sold, offered for sale, or installed in a residential pool for filtration use in California, Title 20 CCR sections 1601-1609.

Performance Data

Full Rated Model No.	Max Rated Model No.	Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)					
		40 ft	50 ft	60 ft	70 ft	80 ft	90 ft
—	SP3005X7AZ	47	38	26	12	—	—
SP3007EECA	SP3007X10AZ(2)	63	55	46	32	—	—
SP3010EEAZ	SP3010X15AZ	89	80	69	56	34	—
SP3015EEAZ	SP3015X20AZ	112	102	90	75	56	—
SP3020EEAZ	SP3020X25AZ	132	118	103	86	62	—
SP3025EEAZ	SP3025X30AZ	157	146	133	118	102	80
SP303063AZ	—	157	146	133	118	102	80

Performance Data – Low Speed

Max Rated Model No.	Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)					
	5 ft	10 ft	15 ft	20 ft	25 ft	30 ft
SP3010X152AZ	56	46	34	13	—	—
SP3015X202AZ	67	57	44	24	—	—

NOTE: For complete pump performance curves see page 23.

Super Pump® VS 700 Omni™

VARIABLE-SPEED PUMPS WITH SMART POOL CONTROL



Super Pump VS 700 Omni

Hayward VS Omni variable-speed pumps provide next generation energy efficiency plus smart control of the entire pad including pumps, heaters, lighting, salt systems, cleaners, water features, and spa settings. Each model is supplied with everything needed to install smart pool control: VS Control Pad, Hub, and a Smart Relay. Up to two additional Smart Relays can be purchased for even more control including booster pumps, cleaner, backyard lighting, and water features.

The Super Pump VS 700 Omni is a drop-in upgrade for Super Pump models up to 1.5 HP. It features a new upgraded dual-voltage motor drive that delivers significantly quieter high-speed operation while maintaining optimal operating efficiency with increased reliability and product longevity. Also, a Viton® seal for long-lasting performance.

Applications

- In-ground pools

Features

- Delivers up to 80% energy savings*
- Fast and easy installation for both existing and new pools
- Provides smartphone control for the entire pad
- Up to two additional Smart Relays (HLH485RELAY) can be added for even more control options
- New upgraded dual-voltage motor drive maintains optimal operating efficiency for long-lasting performance
- Advanced, chemical-resistant Viton seal enhances durability in all environments

*Actual savings may vary based on comparison pump model, hours of operation, electrical rate and other hydraulic aspects such as plumbing size and length.

Performance Data for HL2670020VSP*

RPM	Percent Output	Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)					
		10 ft	20 ft	30 ft	40 ft	50 ft	60 ft
1725	50	34	—	—	—	—	—
2400	70	62	47	18	—	—	—
3000	87	84	73	60	45	—	—
3450	100	100	90	80	69	56	34

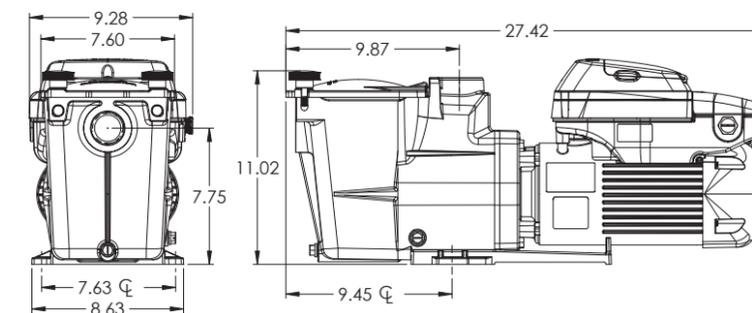
NOTE: *230V

Super Pump VS 700 Omni Specifications

Model Number	Total H.P.	Speed Range	Voltage at 60 Hz	Port Size	Ctn. Qty.	Ctn. Weight
HL2670020VSP*	1.65	600-3450 RPM	115/230V	1 1/2"	1	63 lbs.

*Extended Warranty is 3 years

Overall Dimensions (inches)



Super II Pump Buying Guide

Model Number	Total H.P.	Rated H.P.	Service Factor	Voltage at 60 Hz	Port Size	Dim. "A"	Ctn. Qty.	Ctn. Weight
Energy Efficient Full Rated Single-Speed								
SP3007EECA	0.99	3/4	1.32	115/230	2"	15 1/4"	1	38 lbs.
SP3010EEAZ	1.50	1	1.50	115/230	2"	15 1/4"	1	43 lbs.
SP3015EEAZ	2.00	1 1/2	1.33	115/230	2"	16 1/8"	1	51 lbs.
SP3020EEAZ	2.50	2	1.25	230	2"	16 5/8"	1	57 lbs.
SP3025EEAZ	3.45	3	1.15	230	2"	17 3/4"	1	64 lbs.
SP303063AZ*	3.45	3	1.15	230/460	2"	14 1/2"	1	64 lbs.

NOTE: *Three phase

Standard Efficient Max Rated Single-Speed

SP3005X7AZ	0.75	3/4	1.00	115/230	1 1/2"	14 1/8"	1	35 lbs.
SP3007X10AZ	1.10	1	1.10	115/230	1 1/2"	14 1/2"	1	38 lbs.
SP3007X10AZ2	1.10	1	1.10	115/230	2"	14 1/2"	1	38 lbs.
SP3010X15AZ	1.50	1 1/2	1.00	115/230	2"	15 5/8"	1	43 lbs.
SP3015X20AZ	2.00	2	1.00	115/230	2"	16 5/8"	1	51 lbs.
SP3020X25AZ	2.50	2 1/2	1.00	230	2"	16 5/8"	1	57 lbs.
SP3025X30AZ	3.45	3	1.15	230	2"	17 3/4"	1	64 lbs.

Energy Efficient Max Rated Dual-Speed

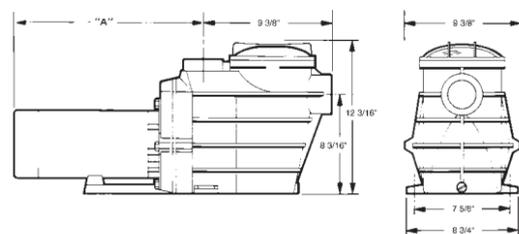
SP3010X152AZ	1.50	1 1/2	1.00	230	2"	14"	1	46 lbs.
SP3015X202AZ	2.00	2	1.00	230	2"	14 1/2"	1	51 lbs.

Model Number	Description	Ctn. Qty.	Ctn. Weight
--------------	-------------	-----------	-------------

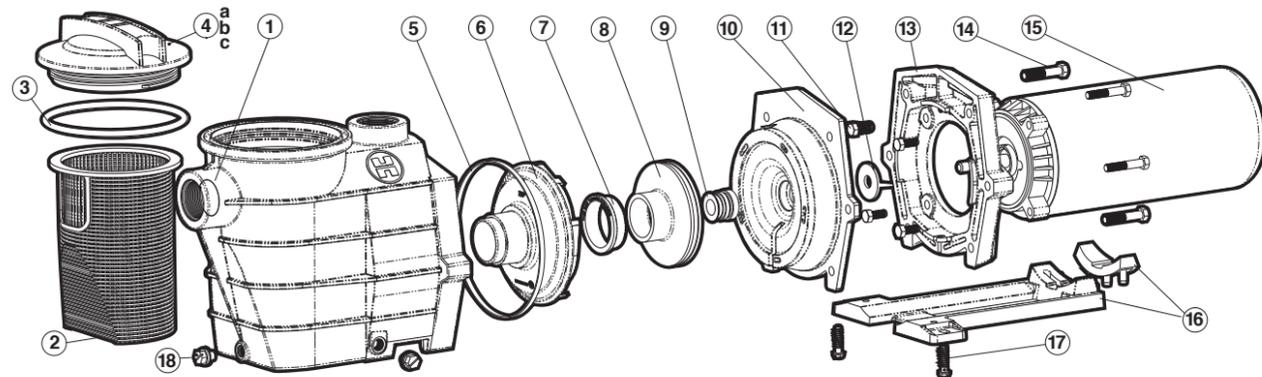
Accessory

SP3100T	Pump Strainer Tool – For 6 1/2" cover/lid	25	14 lbs.
---------	---	----	---------

Overall Dimensions (inches)



Parts for Pump Models: SP3005X7(AZ), (W3)SP3007X10(AZ)(2), (W3)SP3010X15(2)(AZ), (W3)SP3015X20(2)(AZ), (W3)SP3020X25(2)(AZ), SP3025X30(AZ)

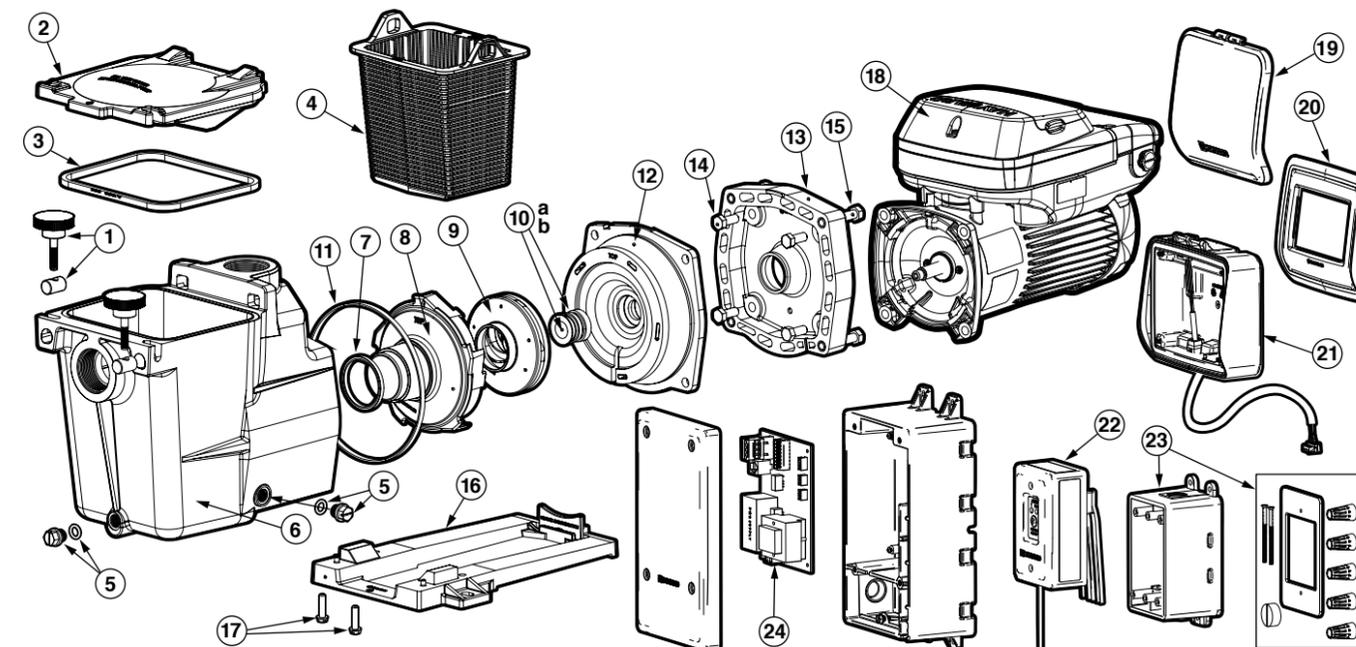


Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	SPX3000AA	Pump Housing/Strainer, 1 1/2" x 1 1/2", with Drain Plugs	1	1	\$329.16
1	SPX3100AAZ	Pump Housing/Strainer, 1 1/2" x 1 1/2", with Drain Plugs, Threaded Style	1	1	329.16
1	SPX3020AA	Pump Housing/Strainer, 2" x 2", with Drain Plugs	1	1	343.15
1	SPX3120AAZ	Pump Housing/Strainer, 2" x 2", with Drain Plugs, Threaded Style	1	1	333.39
2	SPX3000M	Basket	5	1	18.22
3	SPX3000S	Strainer Cover O-Ring	20	1	14.50
4a	SPX3000D	Strainer Cover, Hand-Knob Style, Clear	10	1	63.28
4b	SPX3100D	Strainer Cover, Threaded Style	10	1	62.69
4c	SPX3100DB	Strainer Cover for Biguanide Sanitizers NOT Pressure Testable	10	1	63.28
—	SP3100T	Pump Lid Removal Tool	25	1	—
5	SPX3000T	Housing Gasket	20	1	10.29
—	SPX1600R	Diffuser Gasket – Not Shown	25	1	3.82
—	SPXHKIT2	H-KIT Quick Pump Repair for Super II (Includes items 3, 5, 9, SPX1600R and Jack's Lube)	10	1	31.64
6	SPX2600B	Diffuser, for 3/4 through 2 H.P. (1987 and Prior)	10	1	35.80
6	SPX3000BN	Diffuser, for 3/4 through 1 1/2 H.P. (after 1988)	10	1	38.49
6	SPX3000B	Diffuser, for 2 1/2 and 3 H.P. (1989 and Prior)	10	1	39.64
6	SPX3021B	Diffuser, for 2, 2 1/2 and 3 H.P. (after 1990)	10	1	40.48
7	SPX3005R	Impeller Ring – 3/4 through 2 H.P. (3000 Series Impellers only)	50	1	5.64
7	SPX3021R	Impeller Ring – 2 1/2 through 3 H.P. (3000 Series Impellers only)	50	1	6.13
9	SPX1600Z2	Seal Assembly	10	1	22.95
10	SPX3020E	Seal Plate, for SP3000 Series Impellers	8	1	51.71
11	SPX0125Z44	Motor Cap Screw (Set of 4)	20	4	9.65
12	SPX0125F	Slinger	50	1	3.79
13	SPX3000F	Motor Mounting Plate	10	1	51.19
14	SPX1600Z4	Housing Cap Screw	25	6	5.22
—	SPX3000Z26	Washer, 3/8" – for cap screw (Set of 6) – Not Shown	1	6	5.10
16	SPX3000GA	Mounting Bracket with Adapter and 2 Cap Screws	10	1	44.03
17	SPX1600Z52	Mounting Foot Cap Screw (Set of 2)	1	2	5.02
—	SPX3000SR	Riser Base Aligns with Sta-Rite® Dura-Glas® Port	1	1	65.28
18	SPX1600V	1/4" Drain Plug (1991 and Prior)	50	2	2.27
18	SPX4000FG	1/4" Drain Plug with Gasket	50	2	4.60

Parts listed below must be ordered for specific model and H.P.:

	1987	1988				
8	SPX2605C	SPX3005C	Impeller, for 3/4 H.P.	20	1	\$41.42
8	SPX2607C	SPX3007C	Impeller, for 1 H.P.	10	1	39.47
8	SPX2610C	SPX3010C	Impeller, for 1 1/2 H.P.	20	1	39.42
8	SPX2615C	—	Impeller, for 2 H.P.	25	1	46.12
8	—	1989				
8	—	1990				
8	SPX3020CKIT	SPX3016C	Impeller, for 2 H.P.	25	1	50.30
8	SPX3025CKIT	SPX3021C	Impeller, for 2 1/2 H.P.	20	1	54.59
8	SPX3025CKIT	SPX3026C	Impeller, for 3 H.P.	20	1	69.36
15	SPX1605Z1M	—	Motor, 3/4 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	1	325.10
15	SPX1607Z1M	—	Motor, 1 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	1	360.43
15	SPX1610Z1M	—	Motor, 1 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	1	405.20
15	SPX1615Z1M	—	Motor, 2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	1	524.27
15	SPX1620Z1M	—	Motor, 2 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 230V)	1	1	615.50
15	SPX1625Z1M	—	Motor, 3 H.P., Threaded Shaft (Single Phase, 60 Cycle 230V)	1	1	825.68
15	SPX1610Z2M	—	Motor, 1 1/2 H.P., Threaded Shaft, 2-speed (Single Phase, 60 Cycle 230V)	1	1	606.59
15	SPX1615Z2M	—	Motor, 2 H.P., Threaded Shaft, 2-speed (Single Phase, 60 Cycle 230V)	1	1	723.72
15	SPX1620Z2M	—	Motor, 2 1/2 H.P., Threaded Shaft, 2-speed (Single Phase, 60 Cycle 230V)	1	1	807.17

Parts for Pump Models: HL2670020VSP



Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SPX1600PN	Swivel Nut and Hand Knob	100	\$15.22
2	SPX1600D	Strainer Cover	10	63.18
3	SPX1600S	Strainer Cover Gasket	50	11.47
4	SPX1600M	Basket	20	16.52
5	SPX1700FG	Drain Plug with Gasket	50	4.73
6	SPX1600AA	Pump/Strainer Housing with Gasket	1	285.08
7	SPX1600R	Diffuser Gasket	25	3.82
8	SPX2600B	Diffuser	10	35.80
9	SPX2610C	Impeller for SP2603VSP and SP2670010X15	20	37.43
—	SPX2607C	Impeller for SP26115VSP and SP2670007X10	10	36.47
10	SPX1600Z2VIT	Viton® Shaft Seal Assembly	10	25.93
11	SPX1600T	Housing Gasket	50	9.58
12	SPX2600E5	Seal Plate	10	47.72
13	SPX1600F5	Motor Mounting Plate	10	44.81
14	SPX0125Z44	Motor Cap Screws (Set of 4)	20	9.65
15	SPX1600Z4	Housing Cap Screw	25	5.22
16	SPX2600G1	Mounting Foot (Includes Screws)	10	17.88
17	SPX1600Z52	Mounting Foot Screws (Set of 2)	1	5.02
18	SPX3400DR4	Motor Drive Display Cover (Cover only)	5	43.19
19	HLXDCOVER	Sun Cover Replacement	5	27.04
20	HLXDLCD	LCD Disp Replacement	5	189.23
21	HLXDSPCASE	Case Replacement	1	57.42
22	HLX485RELAY	Replacement RS485 Relay	1	287.10
23	HLXJBOX	Replacement Jbox	1	27.80
24	HLX485100	RS485 100 ft. Extension	15	143.55
—	HLXHW5PK	OmniHub Hardware - Not Shown (5 pack)	10	27.04
—	HLXWHIP6	Omni 6 ft. Whip – Not Shown	5	63.92
—	HLH485RELAY	Omni RS485 Smart Relay	1	352.35
—	SPX3200LCD	Digital Control Interface Assembly	1	432.92
—	SPX3400DRKIT	Wall Mount Kit	5	122.45
—	SPXHKIT3	Quick Fix Kit (Includes #3, 7, 10, 11 and Jack's Lube)	10	29.06
—	HLX485200	RS485 200 ft. Extension	5	287.10
—	HLXHIOPCB	OmniHub PCB	1	222.32
—	HLXRLYLABL	Replacement Relay Label	10	51.68
—	SPX3200DRCC	Communication Cable for VS Pump	5	39.84

POWER END

—	SPX26115Z1VSPE	Power End Assembly for SP26115VSP (Includes #7-14, motor and drive)	1	\$1,342.91
—	SPX2603Z1VSPE	Power End Assembly for SP2603VSP (Includes #7-14, motor and drive)	1	1,361.90