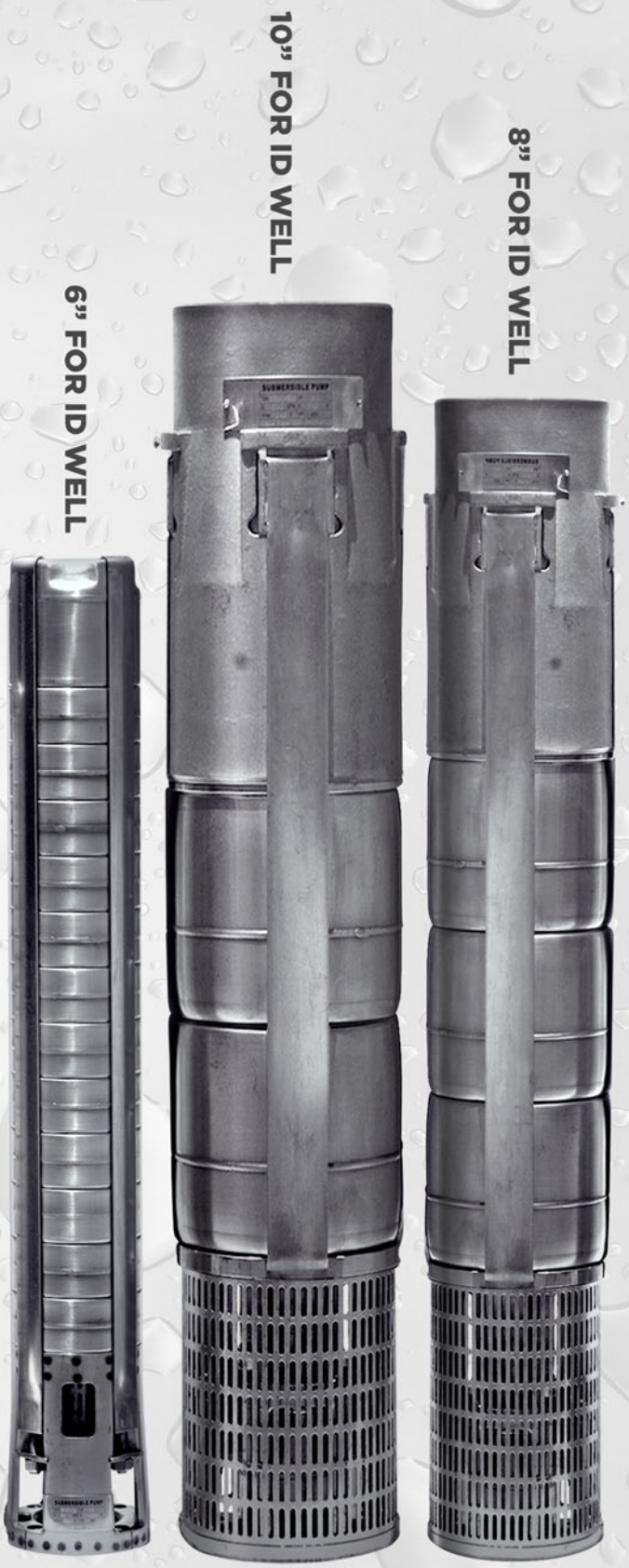


SP PUMPS ARE DESIGNED TO FIT INSIDE A SPECIFIC PUMP DIAMETER WELL

(FOR EXAMPLE, A 6" WILL FIT INSIDE A 6" ID WELL)

SP SERIES

6", 8" AND 10" 60Hz SUBMERSIBLE PUMPS

SP SERIES SUBMERSIBLE PUMPS are manufactured using high quality materials and are designed to deliver years of dependable service. SP Series are comprised of a large selection of pump models ranging from 3 HP thru 300 HP with a broad variety of capacities (90 GPM - 1100 GPM).

QUALITY FEATURES

STAINLESS STEEL CONSTRUCTION DESIGNED AND BUILT FOR YEARS OF TROUBLE-FREE OPERATION

STAINLESS STEEL DISCHARGE HEADWIDTH BUILT-IN CHECK VALVE

HIGH-EFFICIENCY SUCTION SCREEN

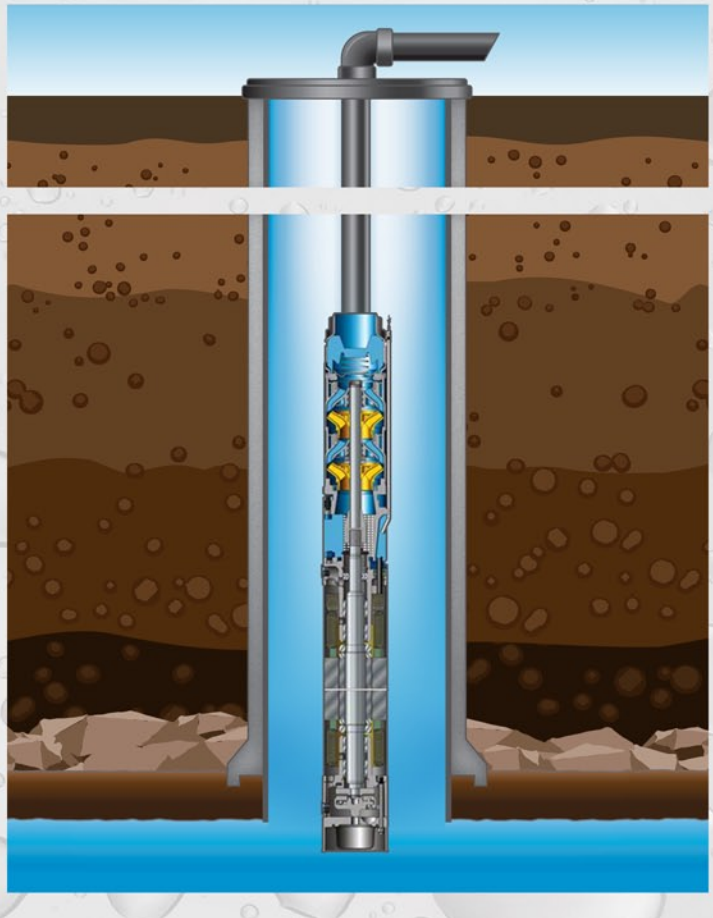
STAINLESS STEEL SHAFT AND COUPLING

STAINLESS STEEL NEMA-FACED MOUNTING BRACKET

Unitra Inc
INDUSTRIAL PUMP MANUFACTURING

ABOUT SUBMERSIBLE PUMPS

Unitra's SP Series Submersible Pumps boast a simple, elegant design that provides easy installation, maintenance and repair. The benefits of our design increase with the depth of the discharge tube and the installation depth of the pump. **SP Series Submersible Pumps** in discharge tubes can easily be pulled out as a single unit. This sets them apart from conventional tubular casing pumps or deep-well turbine pumps, which require a complex and time-consuming disassembly of drives, shaft assemblies and discharge pipe.



MAIN APPLICATIONS OF SUBMERSIBLE PUMPS

Irrigation and drainage pumping stations

Water treatment plants and stormwater stand-by tanks

Clean water pumps in water works

Cooling water pumps in power stations and industry

Industrial water supply

Flood, disaster and water pollution control

Pumps for docks and locks

Fish farms/aquaculture

Leisure park water attractions

Transporting and recirculating fluids in environmental and plant engineering projects

Depending on the specific speed, the impeller is designed as an axial flow impeller, mixed flow impeller or channel impeller. When the pump is installed, its diffuser ends directly in the discharge tube, which can be designed with an elbow for above floor or underfloor discharge, or as an overflow version.

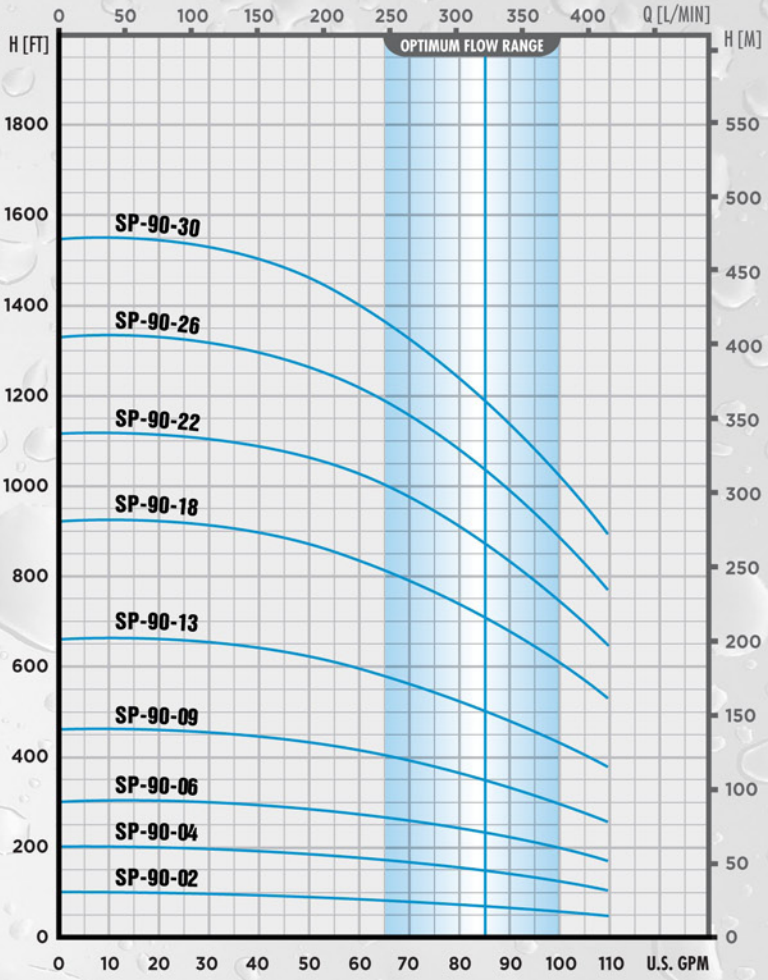
Sumbersible pumps are usually installed vertically; in special cases they can also be installed in an inclined or horizontal position. Submersible pumps in discharge tubes are not self-priming, which means that the propeller (as an axial impeller) always has to be sufficiently covered by the fluid handled. This is why wet well installation is typically chosen. The top of the intake chamber can be open or covered.

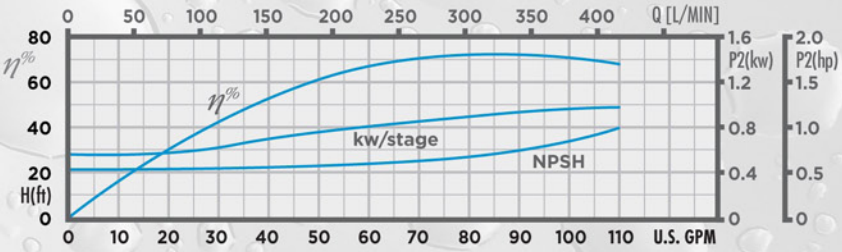
Regardless of the type of installation and the discharge tube design, the surface-cooled dry-rotor submersible motors (see submersible motor pump) of submersible pumps in discharge tubes are permanently cooled by the fluid flowing along the motor during operation.

6” MODEL SP-90 • 60Hz • SP90 SERIES

PERFORMANCE CURVES

90 GPM MAXIMUM EFFICIENCY





MODEL	HP	STAGE	MOTOR DIA. (inches)	HEIGHT (in)		WEIGHT (lbs)	
				Pumps	Motor	Pumps	Motor
SP-90-02	3	2	4	15.9	16.1	14.1	35.3
SP-90-04	5	4	4	20.6	22.2	20.5	55.1
SP-90-06	7.5	6	6	25.4	24.2	26.9	105.8
SP-90-09	10	9	6	32.6	25.4	36.6	114.6
SP-90-13	15	13	6	42.1	28.0	49.4	127.9
SP-90-18	20	18	6	54.0	30.6	65.3	141.1
SP-90-22	25	22	6	63.5	33.1	78.0	154.3
SP-90-26	30	26	6	73.0	35.7	90.8	167.5
SP-90-30	40	30	6	82.6	40.8	103.6	202.8



3” DISCHARGE



STAINLESS STEEL COUPLING AND SHAFT



STAINLESS STEEL BOWL W/DIFFUSER



STAINLESS STEEL SUCTION STRAINER

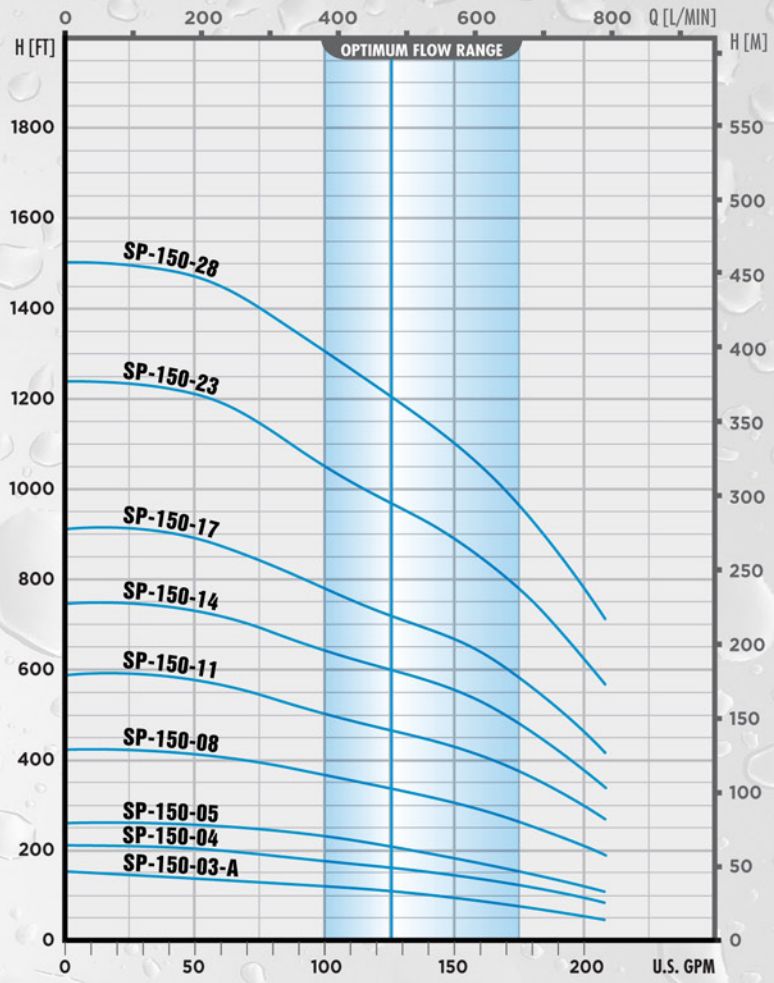


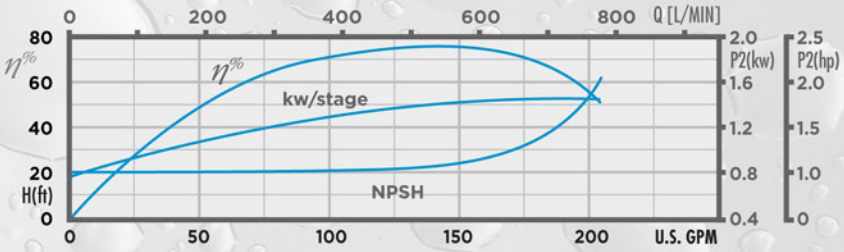
STAINLESS STEEL BUILT-IN CHECK VALVE

6” MODEL SP-150 • 60Hz • SP150 SERIES

PERFORMANCE CURVES

150 GPM MAXIMUM EFFICIENCY





MODEL	HP	STAGES	MOTOR DIA. (inches)	HEIGHT (inches)	WEIGHT (pounds)
SP-150-3A	5	3	4	22	22.2
SP-150-04	7.5	4	6	25.8	26.0
SP-150-05	10	5	6	29.6	29.8
SP-150-08	15	8	6	40.9	46.96
SP-150-11	20	11	6	52.2	52.0
SP-150-14	25	14	6	59.8	63.1
SP-150-17	30	17	6	74.9	74.4
SP-150-23	40	23	6	97.6	96.9
SP-150-28	50	28	6	116.5	115.3



3” DISCHARGE



STAINLESS STEEL COUPLING AND SHAFT



STAINLESS STEEL BOWL W/DIFFUSER



STAINLESS STEEL SUCTION STRAINER



STAINLESS STEEL IMPELLER AND SPLIT CONE

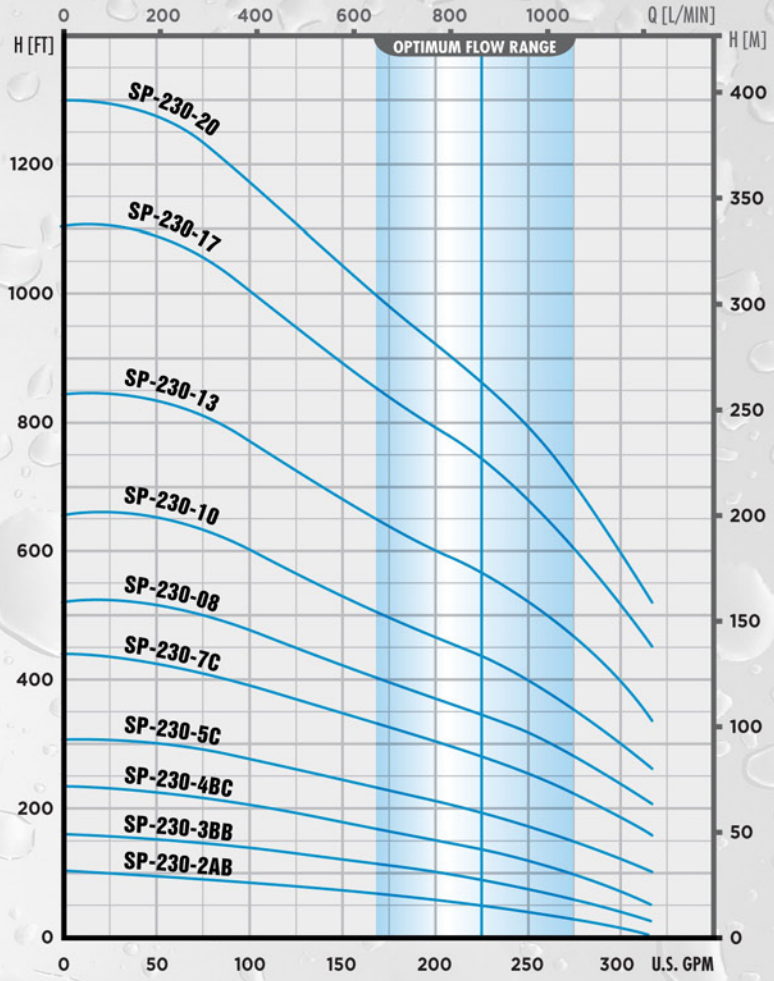


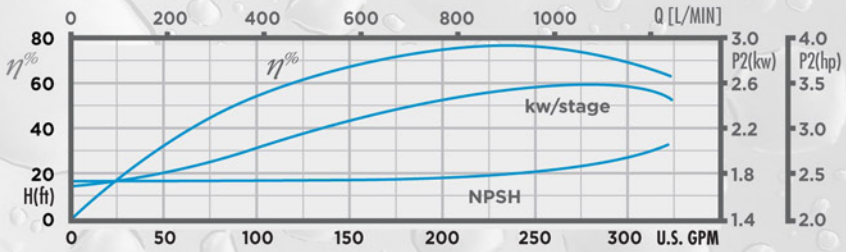
STAINLESS STEEL BUILT-IN CHECK VALVE

6” MODEL SP-230 • 60Hz • SP230 SERIES

PERFORMANCE CURVES

230 GPM MAXIMUM EFFICIENCY





MODEL	HP	STAGES	MOTOR DIA. (inches)	HEIGHT (inches)	WEIGHT (pounds)
SP-230-2AB	5	2	4	19.5	20.2
SP-230-3BB	7.5	3	6	24.0	25.3
SP-230-4BC	10	4	6	28.4	20.2
SP-230-5C	15	5	6	32.9	35.2
SP-230-7C	20	7	6	41.5	45.3
SP-230-08	25	8	6	46.2	50.4
SP-230-10	30	10	6	55.1	60.3
SP-230-13	40	13	6	68.5	75.5
SP-230-17	50	17	6	86.3	95.5
SP-230-20	60	20	6	99.6	110.4



3” DISCHARGE



STAINLESS STEEL COUPLING AND SHAFT



STAINLESS STEEL BOWL W/DIFFUSER



STAINLESS STEEL SUCTION STRAINER



STAINLESS STEEL IMPELLER AND SPLIT CONE

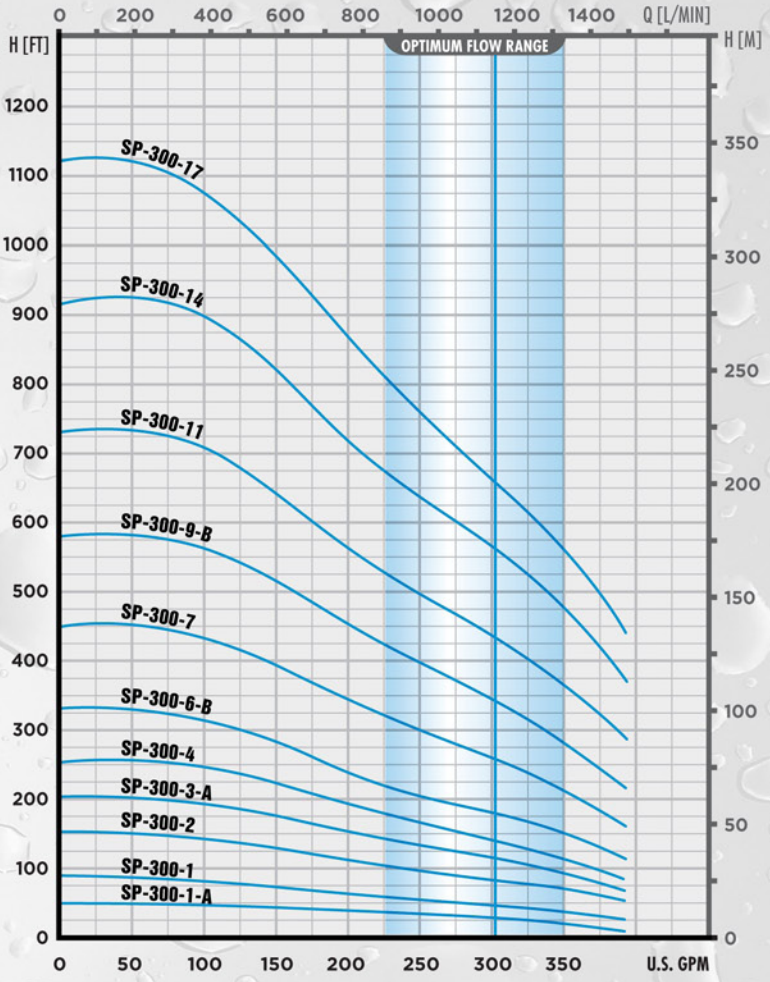


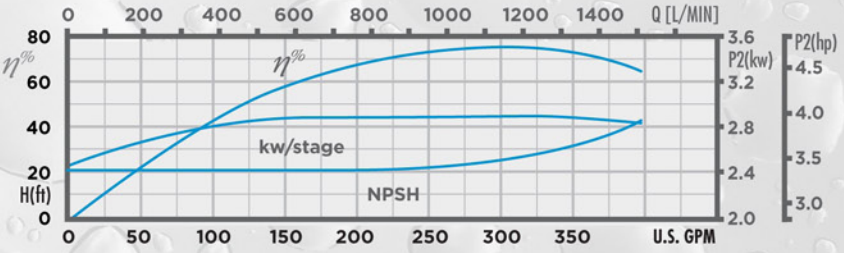
STAINLESS STEEL BUILT-IN CHECK VALVE

6” MODEL SP-300 • 60Hz • SP300 SERIES

PERFORMANCE CURVES

300 GPM MAXIMUM EFFICIENCY





MODEL	HP	STAGES	MOTOR DIA. (inches)	HEIGHT (inches)	WEIGHT (pounds)
SP-300-1A	3	1	4	15.0	15.0
SP-300-1	5	1	4	15.0	15.1
SP-300-02	7.5	2	6	19.5	20.2
SP-300-3A	10	3	6	24.0	25.3
SP-300-04	15	4	6	28.5	30.0
SP-300-6B	20	6	6	37.3	40.3
SP-300-07	25	7	6	41.8	45.3
SP-300-9B	30	9	6	50.7	55.2
SP-300-11	40	11	6	59.6	65.3
SP-300-14	50	14	6	73.0	80.3
SP-300-17	60	17	6	86.33	95.5



4” DISCHARGE



STAINLESS STEEL COUPLING AND SHAFT



STAINLESS STEEL BOWL W/DIFFUSER



STAINLESS STEEL SUCTION STRAINER



STAINLESS STEEL IMPELLER AND SPLIT CONE

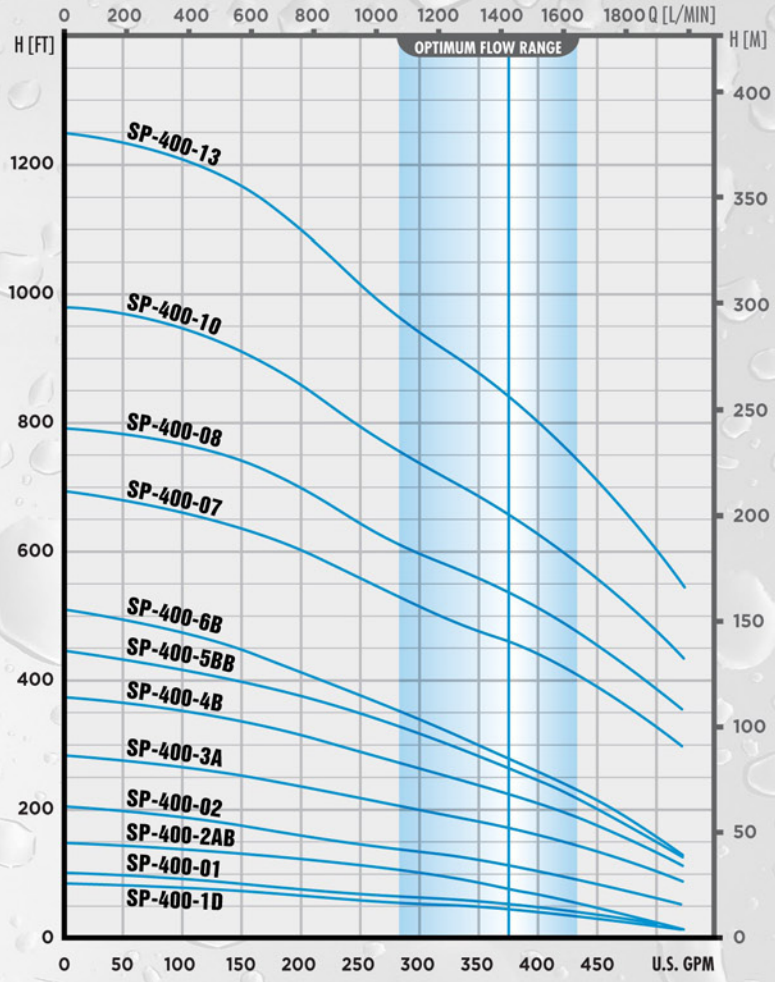


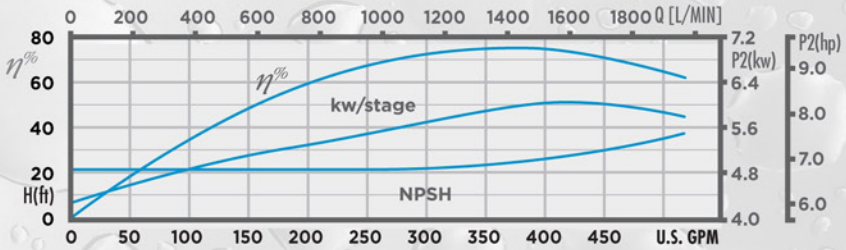
STAINLESS STEEL BUILT-IN CHECK VALVE

8” MODEL SP-400 • 60Hz • SP400 SERIES

PERFORMANCE CURVES

400 GPM MAXIMUM EFFICIENCY





MODEL	HP	STAGES	MOTOR DIA. (inches)	HEIGHT (inches)	WEIGHT (pounds)
SP-400-1D	5	1	6	24.3	55.3
SP-400-01	7.5	1	6	24.3	55.3
SP-400-2AB	10	2	6	29.4	63.3
SP-400-02	15	2	6	29.4	63.3
SP-400-3A	20	3	6	39.5	71.2
SP-400-4B	25	4	6	44.5	79.1
SP-400-5BB	30	5	6	49.6	87.1
SP-400-6B	40	6	6	49.6	94.8
SP-400-07	50	7	6	54.6	102.7
SP-400-08	60	8	6	60.1	113.8
SP-400-10	75	10	8	70.2	129.6
SP-400-13	100	13	8	85.4	153.4



5” DISCHARGE



S. S. COUPLING AND SHAFT



S. S. BOWL W/DIFFUSER



CAST S. S. DISCHARGE W/CHECK VALVE



CAST STAINLESS STEEL SUCTION W/NEMA MOUNTING BRACKET

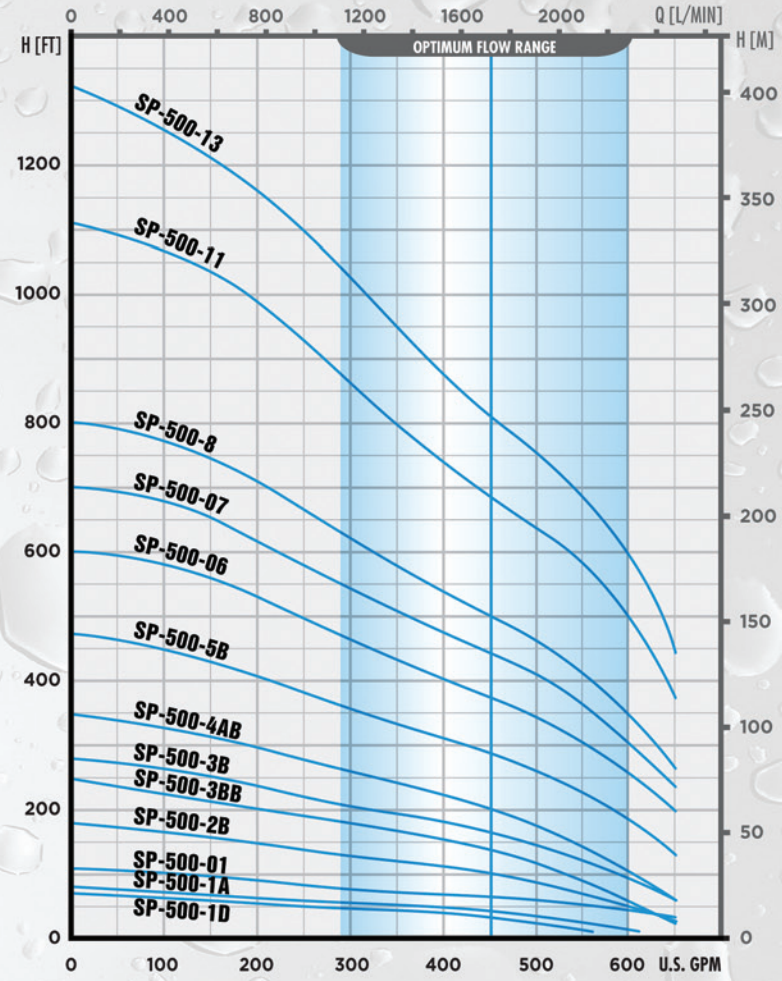


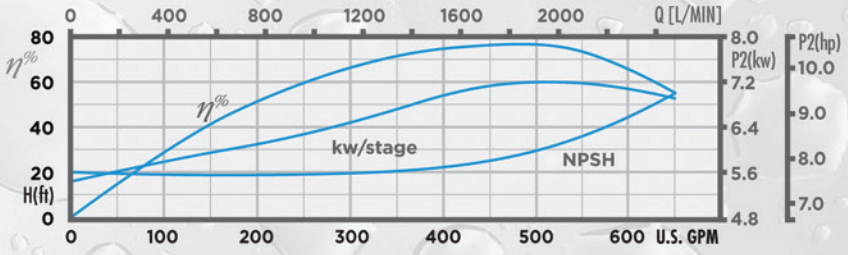
STAINLESS STEEL IMPELLER AND SPLIT CONE

8” MODEL SP-500 • 60Hz • SP500 SERIES

PERFORMANCE CURVES

500 GPM MAXIMUM EFFICIENCY





MODEL	HP	STAGES	MOTOR DIA. (inches)	HEIGHT (inches)	WEIGHT (pounds)
SP-500-1D	5	1	6	24.3	55.3
SP-500-1A	7.5	1	6	24.3	55.3
SP-500-01	10	1	6	24.3	55.3
SP-500-2B	15	2	6	29.4	63.3
SP-500-3BB	20	3	6	34.4	71.2
SP-500-3B	25	3	6	34.4	71.2
SP-500-4AB	30	4	6	39.5	79.1
SP-500-5B	40	5	6	44.5	87.1
SP-500-06	50	6	6	49.6	94.8
SP-500-07	60	7	6	55.0	105.8
SP-500-08	75	8	6	60.1	113.8
SP-500-11	100	11	8	75.2	137.6
SP-500-13	125	13	8	85.4	153.4



5” DISCHARGE



S. S. COUPLING AND SHAFT



S. S. BOWL W/DIFFUSER



CAST S. S. DISCHARGE W/CHECK VALVE

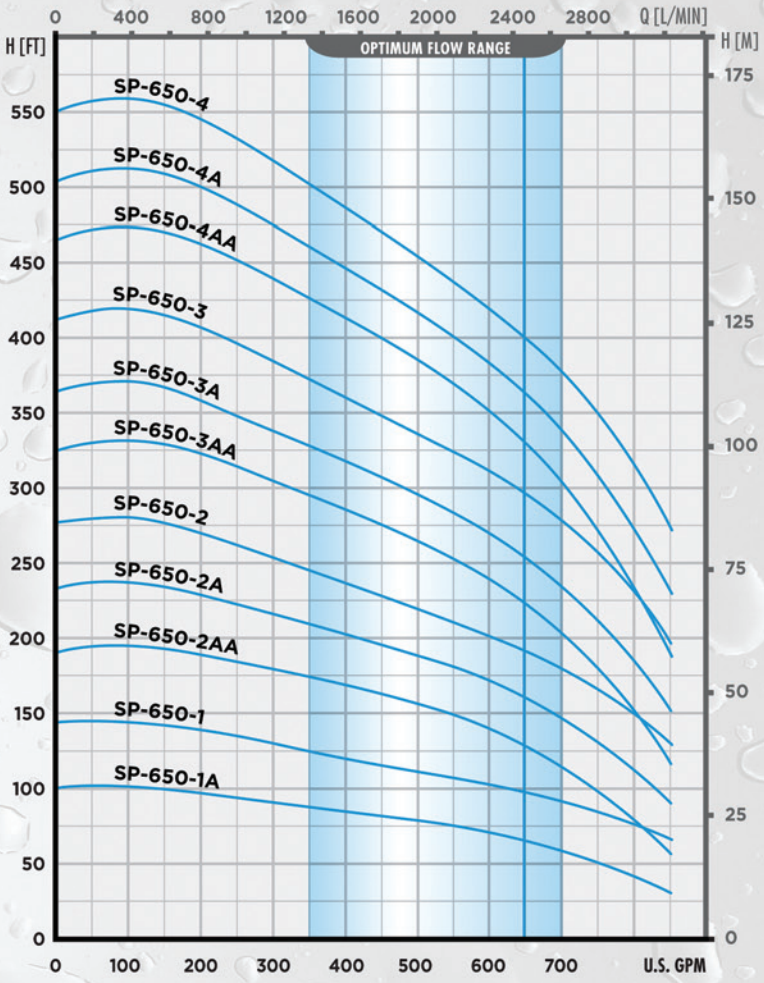


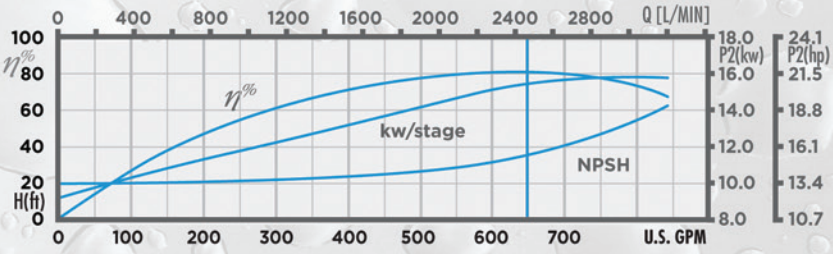
CAST STAINLESS STEEL SUCTION W/NEMA MOUNTING BRACKET



STAINLESS STEEL IMPELLER AND SPLIT CONE

10” MODEL SP-650 • 60Hz • SP650 SERIES
PERFORMANCE CURVES
650 GPM MAXIMUM EFFICIENCY





MODEL	HP	STAGES	MOTOR DIA. (inches)	HEIGHT (inches)	WEIGHT (pounds)
SP-650-1A	15	1	6	26	84
SP-650-1	25	1	6	26	84
SP-650-2AA	30	2	6	32	100
SP-650-2A	40	2	6	32	100
SP-650-2	40	2	6	32	100
SP-650-3AA	50	3	6	38	115
SP-650-3A	50	3	6	38	115
SP-650-3	60	3	6	38	114
SP-650-4AA	75	4	8	44	134
SP-650-4A	75	4	8	44	134
SP-650-4	100	4	8	44	134



6” DISCHARGE



S. S. COUPLING AND SHAFT



S. S. BOWL W/DIFFUSER



CAST S. S. DISCHARGE W/CHECK VALVE

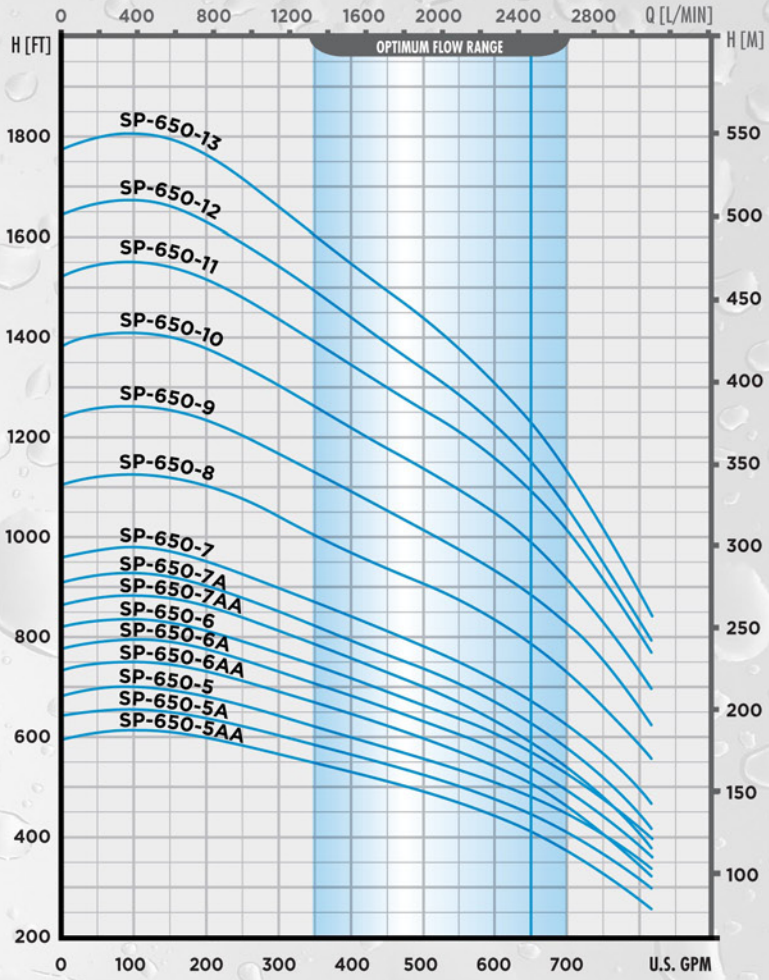


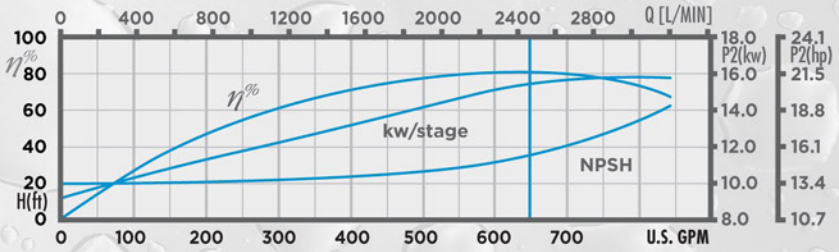
CAST STAINLESS STEEL SUCTION W/NEMA MOUNTING BRACKET



STAINLESS STEEL IMPELLER AND SPLIT CONE

10” MODEL SP-650 • 60Hz • SP650 SERIES
PERFORMANCE CURVES
650 GPM MAXIMUM EFFICIENCY





MODEL	HP	STAGES	MOTOR DIA. (in.)	HEIGHT (in.)	WEIGHT (lbs.)
SP-650-5-AA	100	5	8	50	150
SP-650-5-A	100	5	8	50	150
SP-650-5	100	5	8	50	150
SP-650-6-AA	100	6	8	56	167
SP-650-6-A	125	6	8	56	167
SP-650-6	125	6	8	56	167
SP-650-7-AA	125	7	8	62	182
SP-650-7-A	125	7	8	62	182
SP-650-7	150	7	8	62	179
SP-650-8	175	8	8	68	193
SP-650-9	175	9	8	75	211
SP-650-10	200	10	8	81	224
SP-650-11	250	11	10	89	192.5
SP-650-12	250	12	10	98	241.5
SP-650-13	250	13	10	104	256



6” DISCHARGE



S. S. COUPLING AND SHAFT



S. S. BOWL W/DIFFUSER



CAST S. S. DISCHARGE W/CHECK VALVE

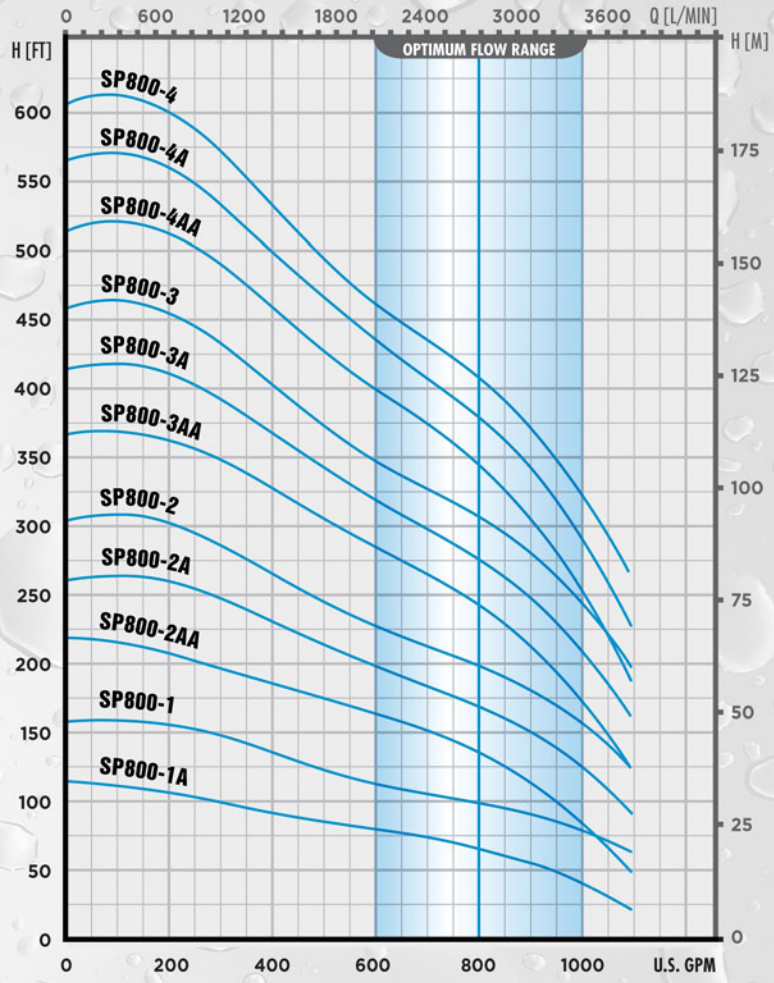


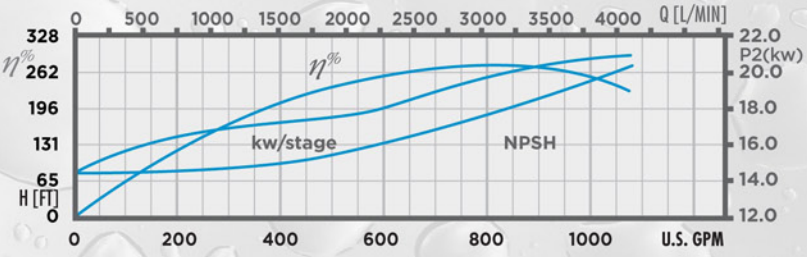
CAST STAINLESS STEEL SUCTION W/NEMA MOUNTING BRACKET



STAINLESS STEEL IMPELLER AND SPLIT CONE

10” MODEL SP-800 • 60Hz • SP800 SERIES
PERFORMANCE CURVES
800 GPM MAXIMUM EFFICIENCY





MODEL	HP	STAGES	MOTOR DIA. (inches)	HEIGHT (inches)	WEIGHT (pounds)
SP-800-1A	20	1	6	25.65	67.02
SP-800-1	30	1	6	25.65	67.02
SP-800-2AA	40	2	6	31.77	81.01
SP-800-2A	50	2	6	31.77	81.17
SP-800-2	50	2	6	31.77	81.17
SP-800-3AA	60	3	6	37.89	98.06
SP-800-3A	75	3	8	37.98	98.24
SP-800-3	75	3	8	37.89	98.24
SP-800-4AA	100	4	8	44.02	112.22
SP-800-4A	100	4	8	44.02	112.39
SP-800-4	100	4	8	44.02	112.39



6” DISCHARGE



S. S. COUPLING AND SHAFT



S. S. BOWL W/DIFFUSER



CAST S. S. DISCHARGE W/CHECK VALVE

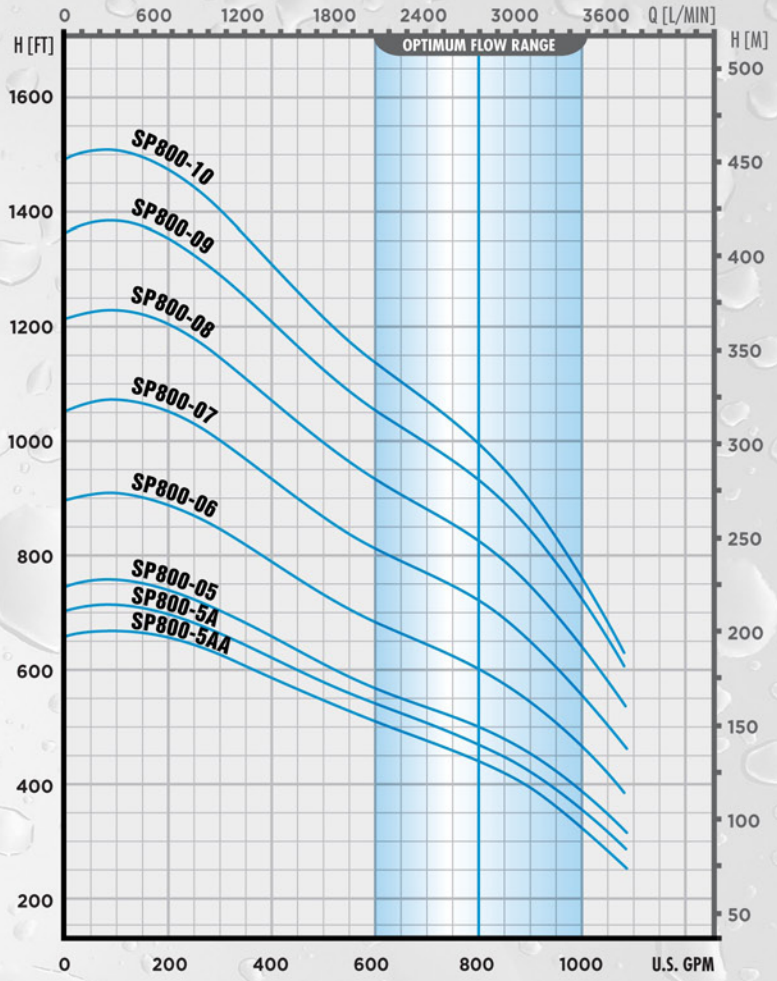


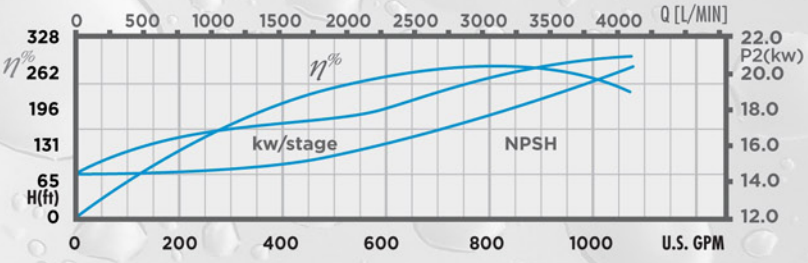
CAST STAINLESS STEEL SUCTION W/NEMA MOUNTING BRACKET



STAINLESS STEEL IMPELLER AND SPLIT CONE

10” MODEL SP-800 • 60Hz • SP800 SERIES
PERFORMANCE CURVES
800 GPM MAXIMUM EFFICIENCY





MODEL	HP	STAGES	MOTOR DIA. (inches)	HEIGHT (inches)	WEIGHT (pounds)
SP-800-5AA	125	5	8	50.14	126.37
SP-800-5A	125	5	8	50.14	126.55
SP-800-05	125	5	8	50.14	126.55
SP-800-06	150	6	8	56.26	140.70
SP-800-07	175	7	8	67.50	183.78
SP-800-08	200	8	8	73.62	197.93
SP-800-09	250	9	10	79.74	212.08
SP-800-10	250	10	10	85.82	226.25



6” DISCHARGE



S. S. COUPLING AND SHAFT



S. S. BOWL W/DIFFUSER



CAST S. S. DISCHARGE W/CHECK VALVE



CAST STAINLESS STEEL SUCTION W/NEMA MOUNTING BRACKET

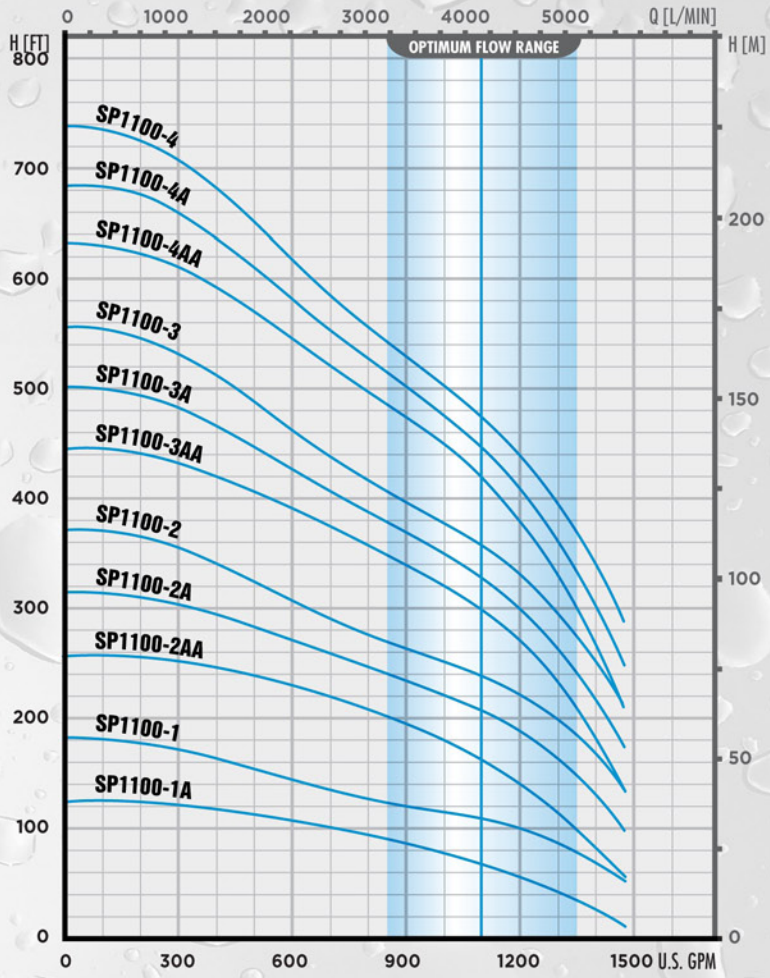


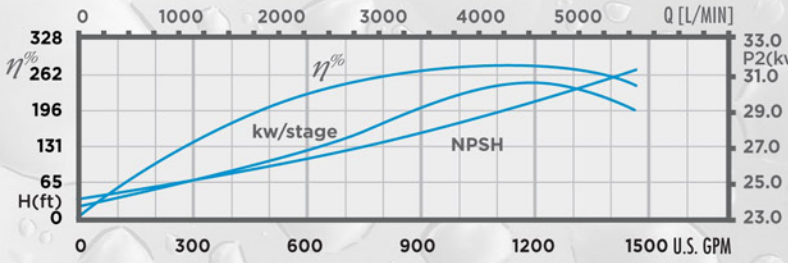
STAINLESS STEEL IMPELLER AND SPLIT CONE

10" MODEL SP-1100 • 60Hz • SP1100 SERIES

PERFORMANCE CURVES

1100 GPM MAXIMUM EFFICIENCY





MODEL	HP	STAGES	MOTOR DIA. (inches)	HEIGHT (inches)	WEIGHT (pounds)
SP-1100-1A	30	1	6	30.38	101.59
SP-1100-1	40	1	6	30.38	101.59
SP-1100-2AA	60	2	6	37.31	122.97
SP-1100-2A	75	2	8	37.31	122.97
SP-1100-2	100	2	8	37.31	122.97
SP-1100-3AA	100	3	8	44.24	144.62
SP-1100-3A	125	3	8	44.24	144.62
SP-1100-3	125	3	8	44.24	144.62
SP-1100-4AA	150	4	8	51.17	166.27
SP-1100-4A	150	4	8	51.17	166.27
SP-1100-4	150	4	8	51.17	166.27



6" DISCHARGE



S. S. COUPLING AND SHAFT



S. S. BOWL W/DIFFUSER



CAST S. S. DISCHARGE W/CHECK VALVE



CAST STAINLESS STEEL SUCTION W/NEMA MOUNTING BRACKET

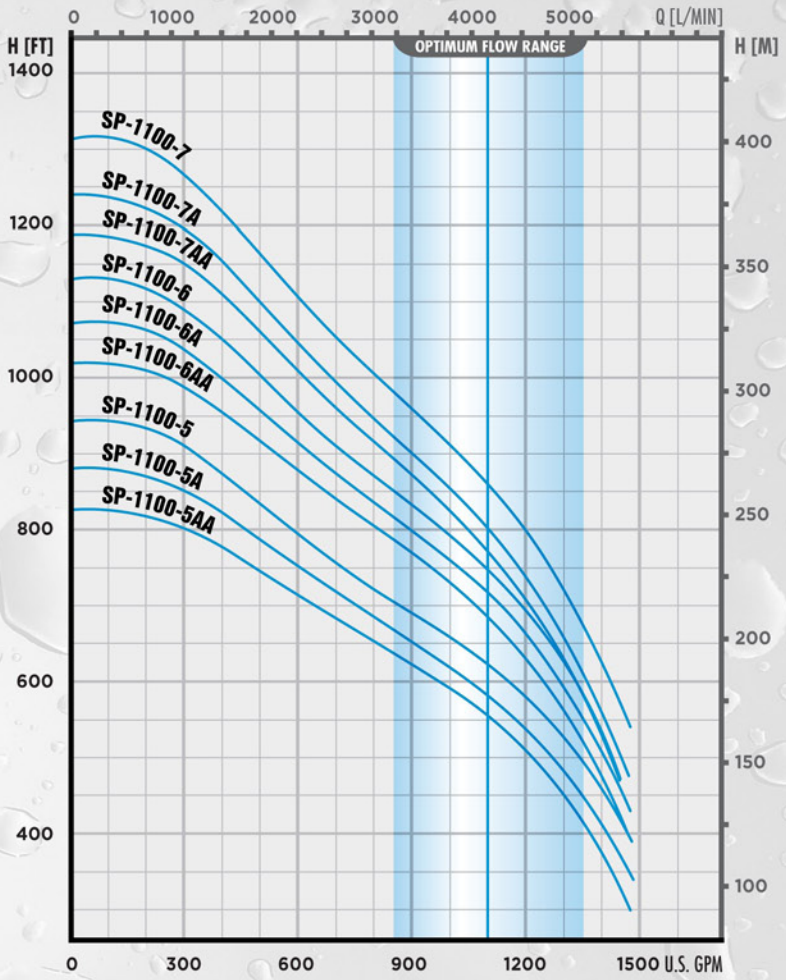


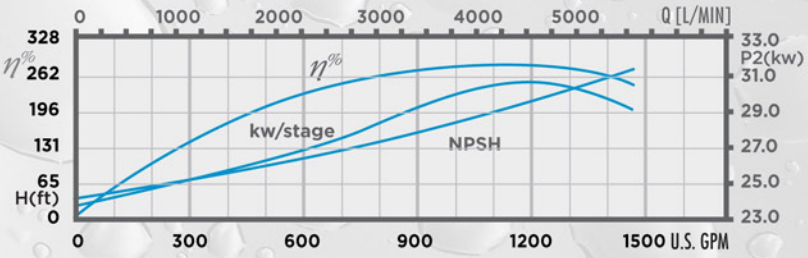
STAINLESS STEEL IMPELLER AND SPLIT CONE

10" MODEL SP-1100 • 60Hz • SP1100 SERIES

PERFORMANCE CURVES

1100 GPM MAXIMUM EFFICIENCY





MODEL	HP	STAGES	MOTOR DIA. (inches)	HEIGHT (inches.)	WEIGHT (pounds)
SP-1100-5AA	175	5	8	58.10	200.09
SP-1100-5A	175	5	8	58.10	200.09
SP-1100-5	200	5	8	58.10	200.09
SP-1100-6AA	250	6	10	65.03	222.67
SP-1100-6A	250	6	10	65.03	222.67
SP-1100-6	250	6	10	65.03	222.67
SP-1100-7AA	250	7	10	71.96	245.24
SP-1100-7A	250	7	10	71.96	245.24
SP-1100-7	300	7	10	71.96	245.24



6" DISCHARGE



S. S. COUPLING AND SHAFT



S. S. BOWL W/DIFFUSER



CAST S. S. DISCHARGE W/CHECK VALVE



CAST STAINLESS STEEL SUCTION W/NEMA MOUNTING BRACKET



STAINLESS STEEL IMPELLER AND SPLIT CONE



PRIDE IN MANUFACTURING

At **Unitra, Inc.** we not only produce completely assembled units, we maintain an extensive inventory of original OEM parts. Since most of our products are made in-house at our Stafford, Texas facility, we can supply our customers quickly and don't suffer from the long lead-times of our competitors. Our seasoned staff can make recommendations specific to your operation, which ensures that our clients will always be equipped with the appropriate systems to provide the best solution to meet their project requirements.

For well over 50 years we have manufactured quality products in the United States and we always strive to maintain consistent product integrity throughout both the production and supply chain. We're fortunate to have built relationships over five decades that have enabled our family-owned business to remain competitive. Through continued innovation and investment in our in-house manufacturing processes, we have created a sophisticated business model that stands the test of time.



UNITRA, INC SP SERIES SUBMERSIBLE PUMPS feature rugged, stainless steel parts that are manufactured using state-of-the-art tooling. The **6", 8" & 10" SP Series** come standard wtih durable, stainless steel discharge heads (with built-in check valves) and motor adaptors. The pump's casings, bowls, strainers, and cable guards are all manufactured from stamped stainless steel.

Unitra Inc
INDUSTRIAL PUMP MANUFACTURING

UNITRA, INC has been manufacturing quality water pumps in the United States for over 50 years. **UNITRA, INC** has built a rock-solid reputation for top quality designs with high performances, competitive pricing and timely deliveries and are proud to supply professional distributors and OEM's across the world in more than fourty countries.

Extraordinary performance and value are things that our customers have come to expect and the **UNITRA, INC** line of sumbersible pumps boast better performance and a rugged design that remains unmatched in the industry.