



## **6" & 8" SP SERIES SUBMERSIBLE PUMPS 3600 RPM • 60 Hz**

**90 • 150 • 230 • 300 • 400 • 500 GPM**

**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 125 HP with a broad variety of capacities (90 GPM - 500 GPM).

**Recommended for Pumping Clear Water**

### **QUALITY FEATURES**

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

**STAINLESS STEEL DISCHARGE HEAD  
WITH BUILT-IN CHECK VALVE**

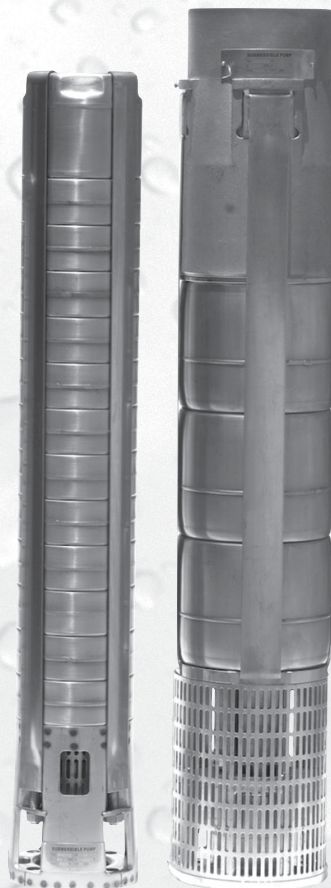
**HIGH-EFFICIENCY STAINLESS STEEL  
IMPELLERS AND DIFFUSERS**

**STAINLESS STEEL SUCTION SCREEN**

**STAINLESS STEEL SHAFT AND  
COUPLING**

**STAINLESS STEEL NEMA-FACED  
MOUNTING BRACKET**

*Specifications subject to change without notice.*



### DESIGNATION

**Series** \_\_\_\_\_ **SP** \_\_\_\_\_ **230 - 12 - 30**  
**Capacity - U.S. GPM** \_\_\_\_\_  
**Number of Stages** \_\_\_\_\_  
**Horsepower** \_\_\_\_\_

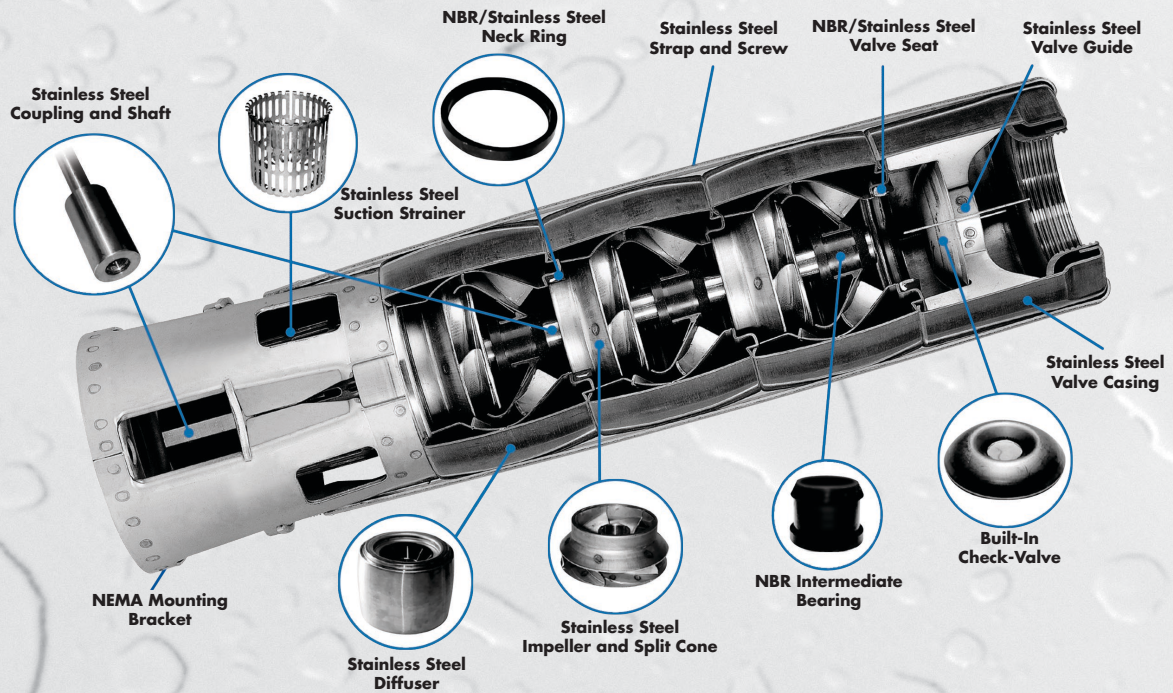
8" Pumps Feature:  
Cast Stainless Steel 5" Discharge Head & NEMA Mounting Bracket

### MATERIALS OF CONSTRUCTION

COMPONENT	MATERIALS	STANDARD
Valve Casing	Stainless Steel	304
Valve Cup	Stainless Steel	304
Valve Seat	Stainless Steel	304
Diffuser	Stainless Steel	304
Neck Ring	NBR	
Diffuser Bearing	NBR	
Split Cone Nut	Stainless Steel	304
Split Cone	Stainless Steel	304
Impeller	Stainless Steel	304
NEMA Mounting Bracket	Stainless Steel	304
Strainer	Stainless Steel	304
Shaft	Stainless Steel	304
Strap	Stainless Steel	304
Nut for Strap	Stainless Steel	304
Coupling	Stainless Steel	304
Valve Guide	Stainless Steel	304



OPTIONAL 4" TO 6" MOTOR ADAPTOR



**DISTRIBUTED BY:**



OUR PUMPS ARE POWERED BY  
**Franklin Electric**



**6" MODEL SP-90**  
**60 Hz - 3600 RPM**  
 Recommended for Pumping Clear Water



**3" Discharge**



**Stainless Steel Coupling and Shaft**



**Stainless Steel Suction Strainer**



**Stainless Steel Diffuser**

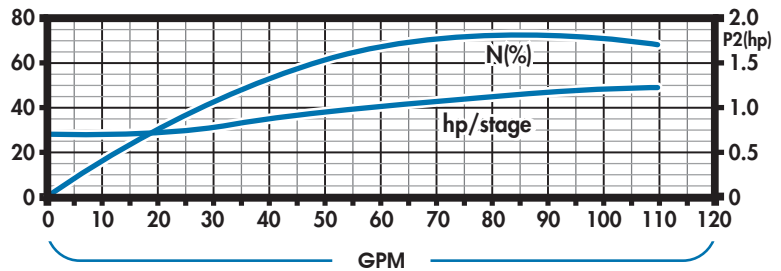
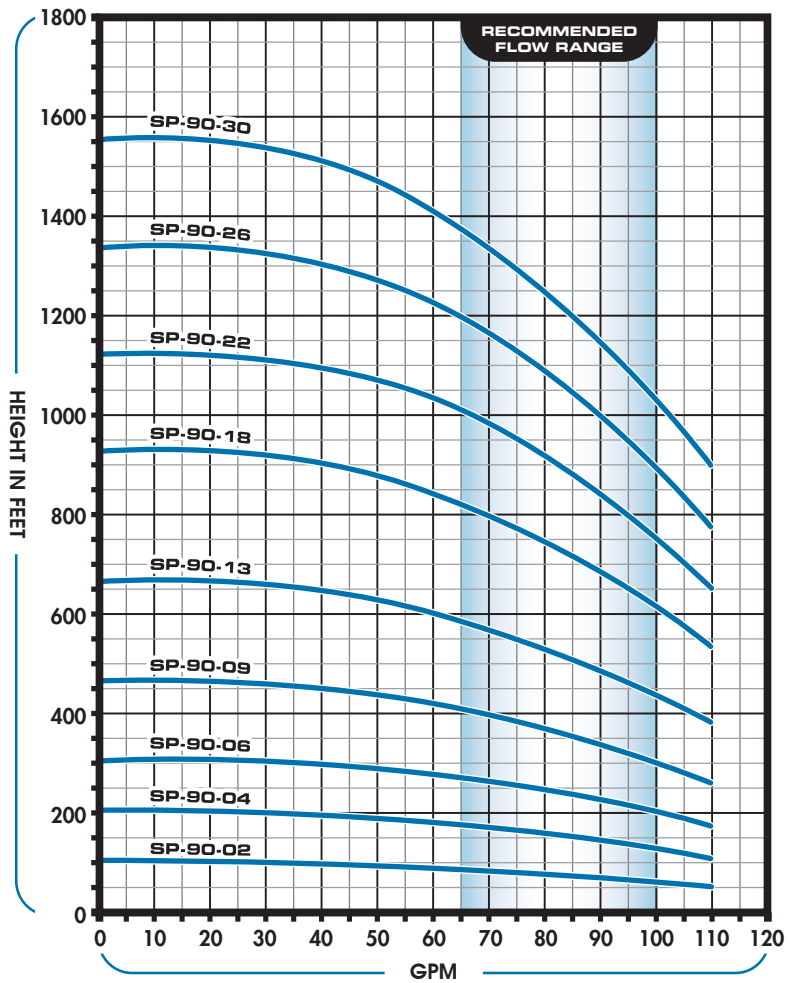


**Stainless Steel Impeller and Split Cone**



**Stainless Steel Check Valve**

**SP 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



**6" MODEL SP-150**  
**60 Hz - 3600 RPM**  
 Recommended for Pumping Clear Water



**3" Discharge**



**Stainless Steel  
Coupling and Shaft**



**Stainless Steel  
Suction Strainer**



**Stainless Steel  
Diffuser**

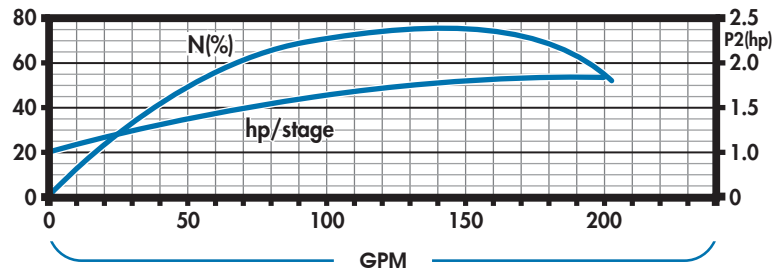
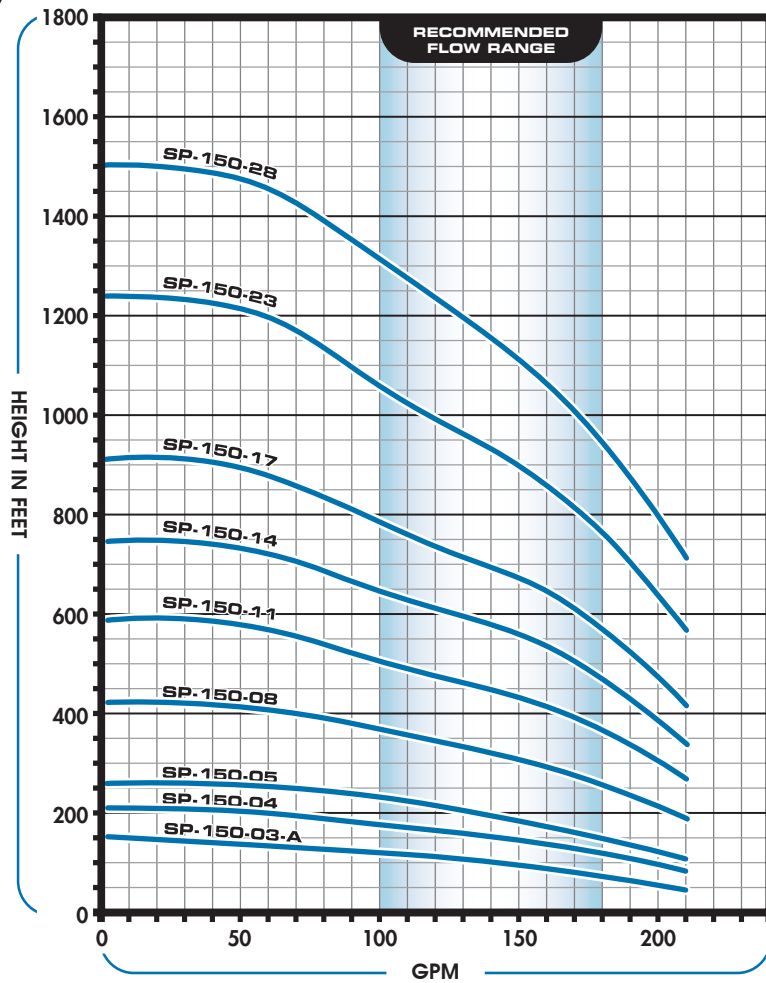


**Stainless Steel  
Impeller and Split Cone**



**Stainless Steel  
Check Valve**

**SP SERIES PERFORMANCE CURVES**  
**150 GPM MAXIMUM EFFICIENCY**



MODEL	HP	STAGE	MOTOR DIA. (in)	HEIGHT (in)	WEIGHT (lbs)
SP-150-3A	5	3	4	22.0	22.2
SP-150-04	7.5	4	6	25.8	26.0
SP-150-05	10	5	6	29.6	29.7
SP-150-08	15	8	6	40.9	40.9
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



# 6" MODEL SP-230

60 Hz - 3600 RPM  
Recommended for Pumping Clear Water



3" Discharge



Stainless Steel Coupling and Shaft



Stainless Steel Suction Strainer



Stainless Steel Diffuser

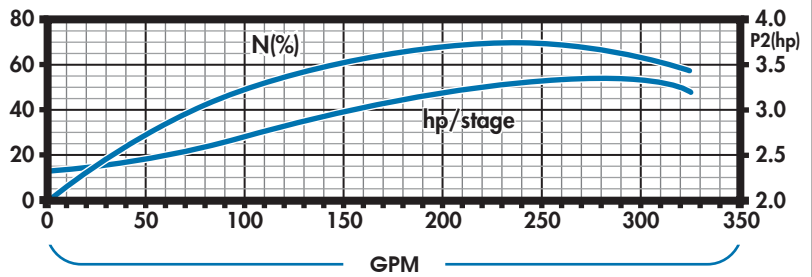
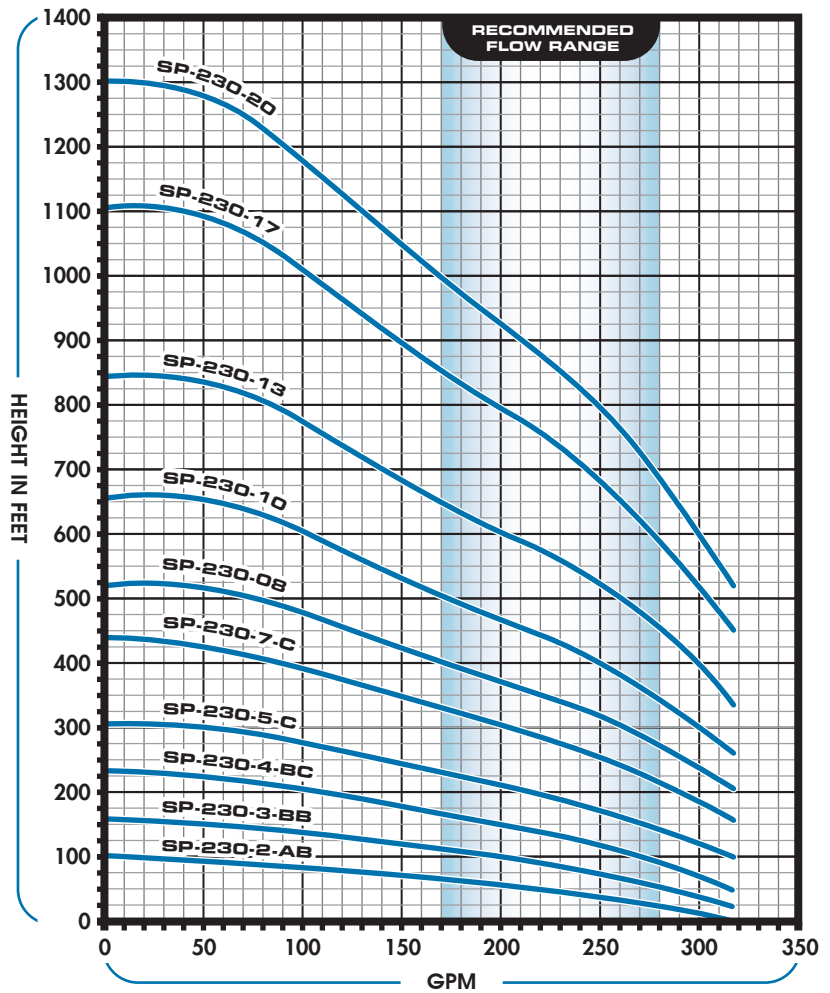


Stainless Steel Impeller and Split Cone



Stainless Steel Check Valve

## SP SERIES PERFORMANCE CURVES 230 GPM MAXIMUM EFFICIENCY



MODEL	HP	STAGE	MOTOR DIA. (in)	HEIGHT (in)	WEIGHT (lbs)
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



## 6" MODEL SP-300

60 Hz - 3600 RPM

Recommended for Pumping Clear Water



4" Discharge



Stainless Steel  
Coupling and Shaft



Stainless Steel  
Suction Strainer



Stainless Steel  
Diffuser

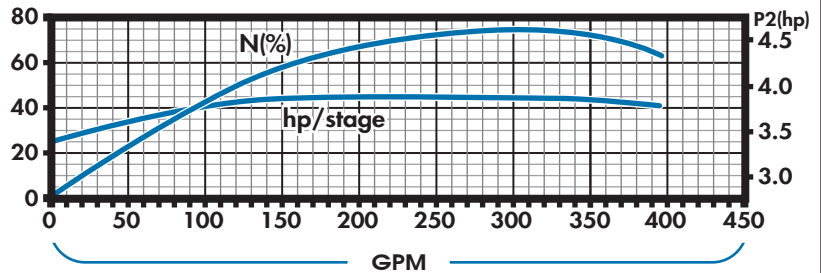
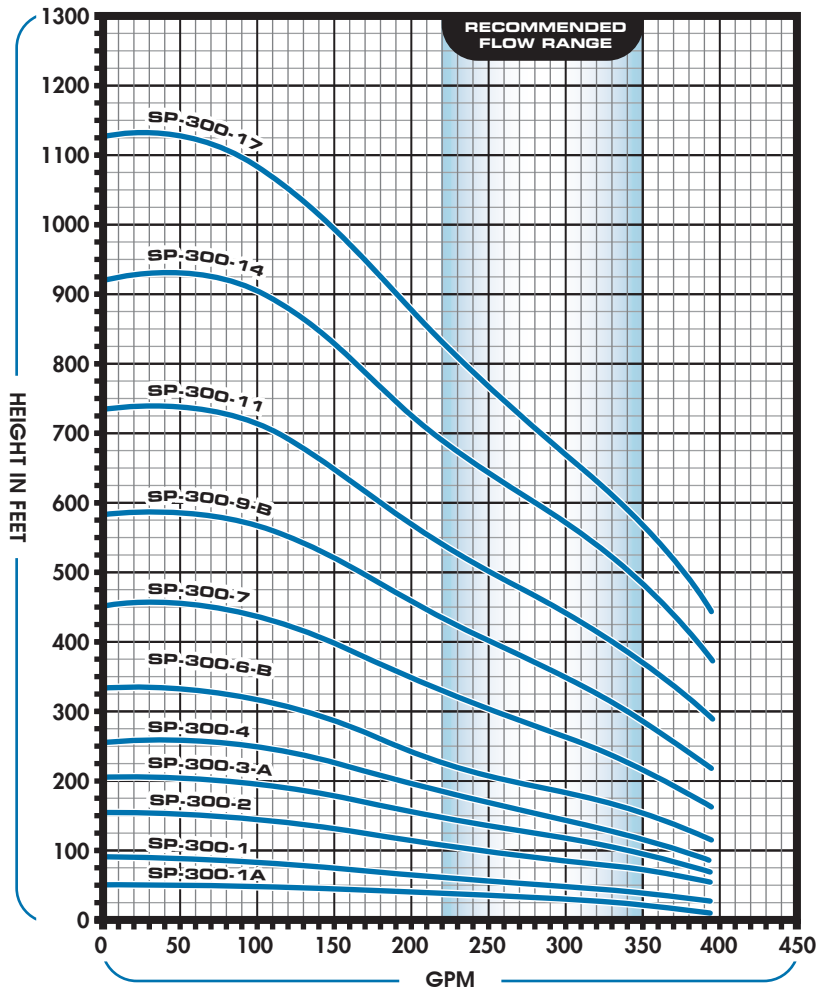


Stainless Steel  
Impeller and Split Cone



Stainless Steel  
Check Valve

## SP SERIES PERFORMANCE CURVES 300 GPM MAXIMUM EFFICIENCY



MODEL	HP	STAGE	MOTOR DIA. (in)	HEIGHT (in)	WEIGHT (lbs)
SP-300-1A	3	1	4	15.0	15.0
SP-300-1	5	1	4	15.0	15.1
SP-300-02	7 1/2	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	86.3	95.5



**8" MODEL SP-400**  
**60 Hz - 3600 RPM**  
 Recommended for Pumping Clear Water



**5" Discharge**



**Stainless Steel Coupling and Shaft**



**Stainless Steel Bowl w/Diffuser**



**Cast Stainless Steel Discharge w/Check Valve**

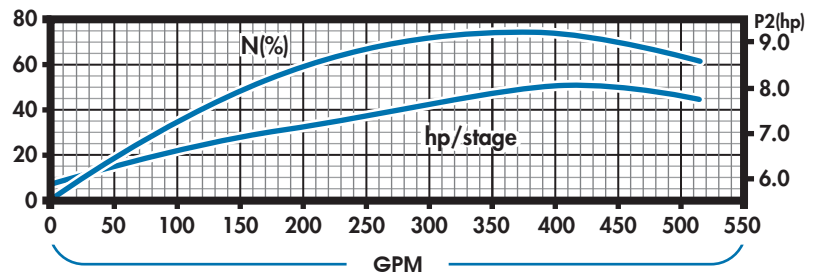
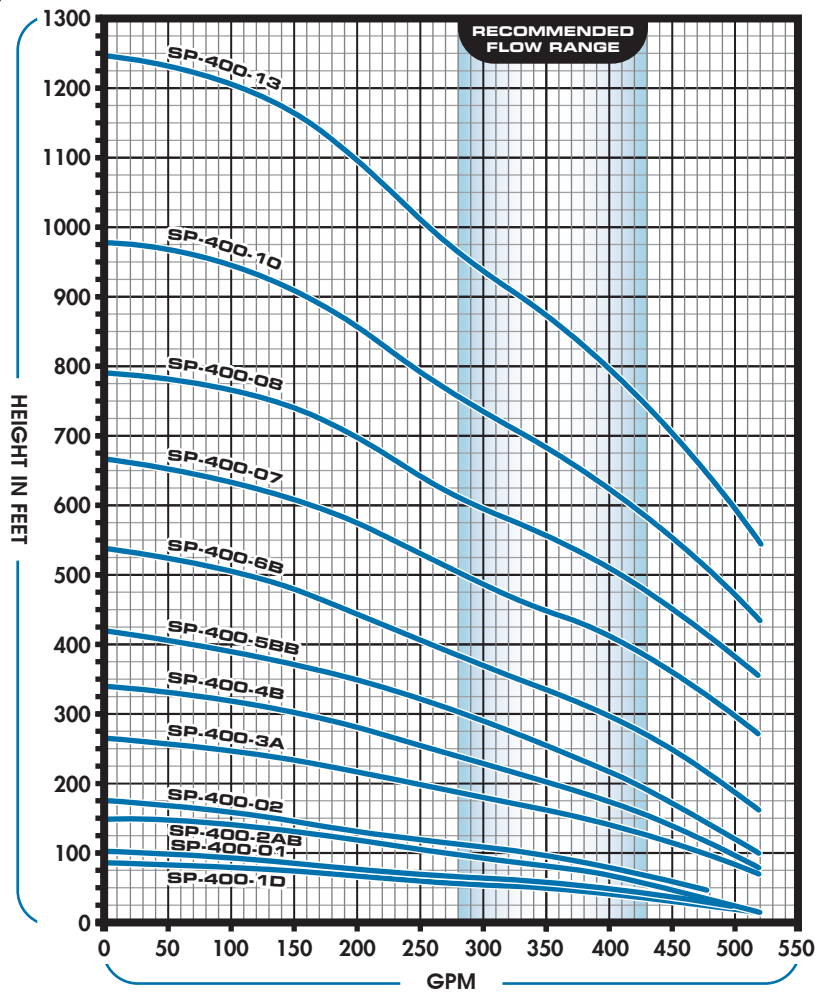


**Cast Stainless Steel Suction W/NEMA Mounting Bracket**



**Stainless Steel Impeller and Split Cone**

**SP SERIES PERFORMANCE CURVES**  
**400 GPM MAXIMUM EFFICIENCY**



MODEL	HP	STAGE	MOTOR DIA. (in)	HEIGHT (in)	WEIGHT (lbs)
SP-400-1D	5	1	4	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



**8" MODEL SP-500**  
**60 Hz - 3600 RPM**  
 Recommended for Pumping Clear Water



**5" Discharge**



**Stainless Steel Coupling and Shaft**



**Stainless Steel Bowl w/Diffuser**



**Cast Stainless Steel Discharge w/Check Valve**

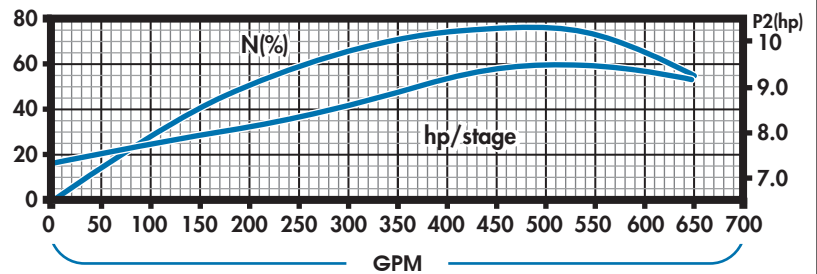
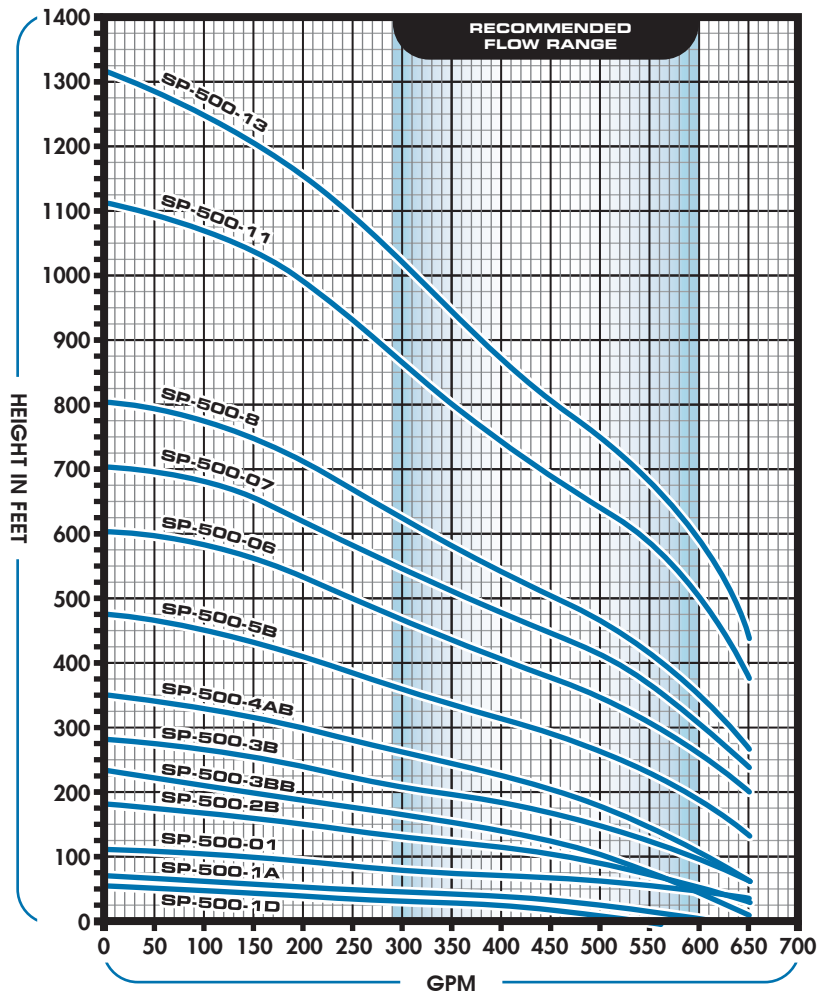


**Cast Stainless Steel Suction W/NEMA Mounting Bracket**



**Stainless Steel Impeller and Split Cone**

**SP SERIES PERFORMANCE CURVES**  
**500 GPM MAXIMUM EFFICIENCY**



MODEL	HP	STAGE	MOTOR DIA. (in)	HEIGHT (in)	WEIGHT (lbs)
SP-500-1D	5	1	4	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-500-2	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	8	60.1	113.8
SP-500-11	100	11	8	75.2	137.6
SP-500-13	125	13	8	85.4	153.4