

SUBMERSIBLE PUMPS

6" STAINLESS STEEL SR SERIES



FEATURES

- Stainless steel impellers and diffusers to resist corrosion
- Heavy-duty stainless steel shell assures permanent alignment of all components to increase longevity and enables higher pressures than strap designs
- PTFE floating wear ring, ceramic bearing journal, and Nitrile rubber fluted bearing ensure durability against wear for long-lasting performance and reliability
- Suited to operate in horizontal position
- Built-in check valve to protect the pump against water hammer
- Energy-efficient hydraulic design for cost effective operation



SPECIFICATIONS

- Capacities of 70–150 gpm
- Maximum operating temperature of 140 °F/60 °C for 304 stainless steel and 194 °F/90 °C for 316 stainless steel
- Maximum allowable amount of sand is 200 ppm

APPLICATIONS

- Industrial
- Agricultural
- Irrigation
- Commercial

SUBMERSIBLE PUMPS

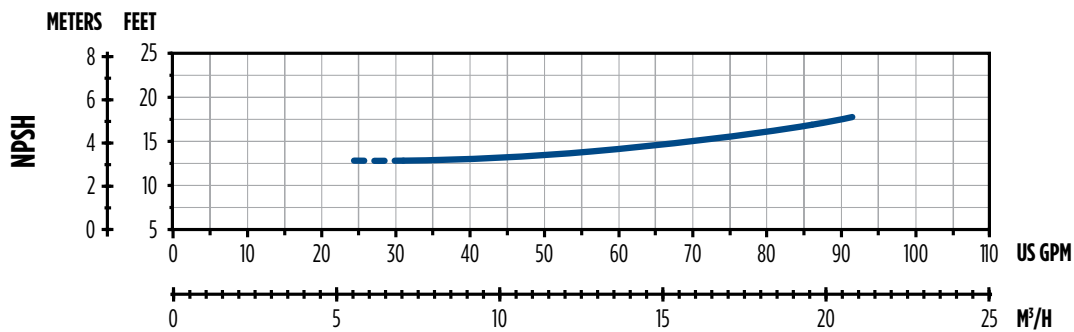
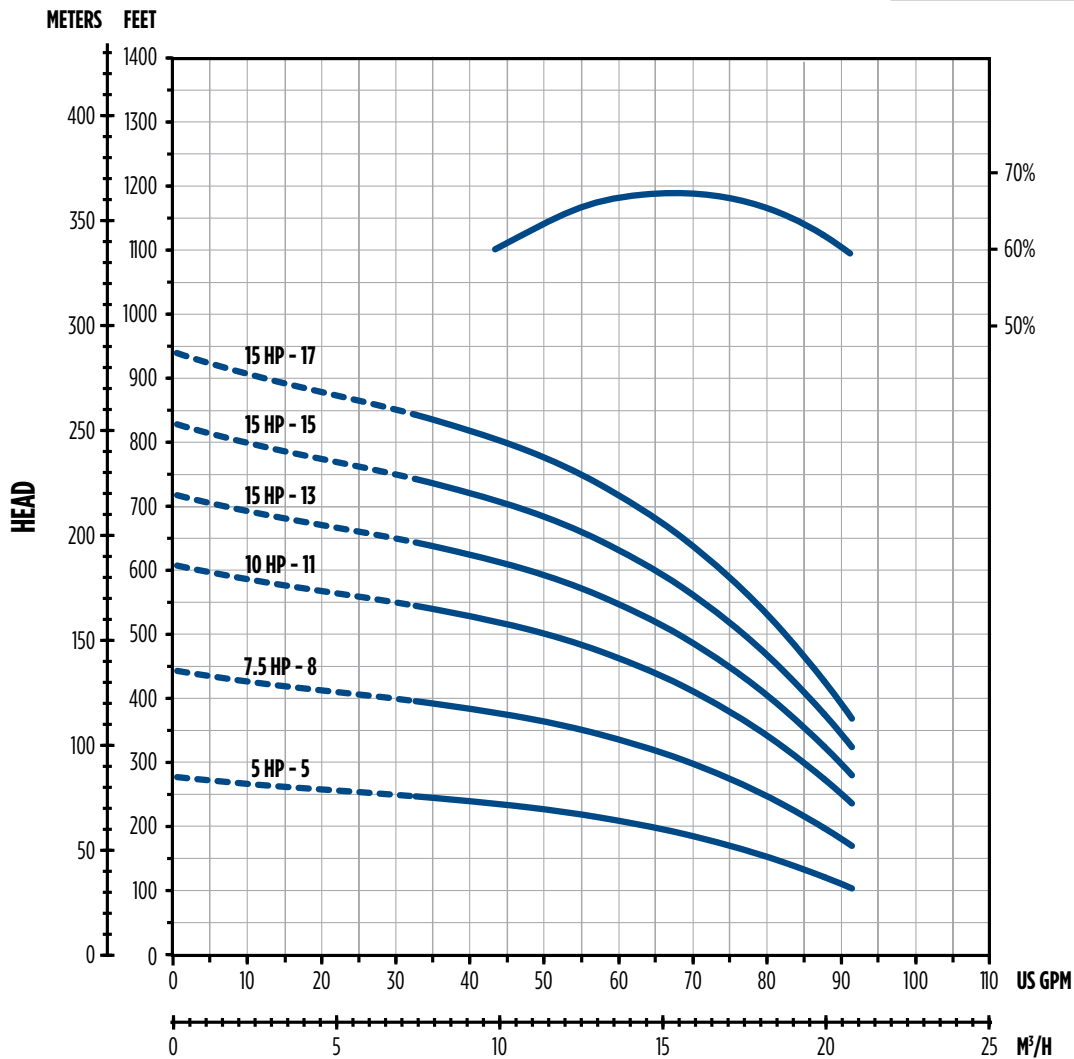
6" STAINLESS STEEL SR SERIES



PERFORMANCE

70 GPM

Basic Model	PEI _{CL} Number
70SR	0.96



— Recommended Operating Range

SUBMERSIBLE PUMPS

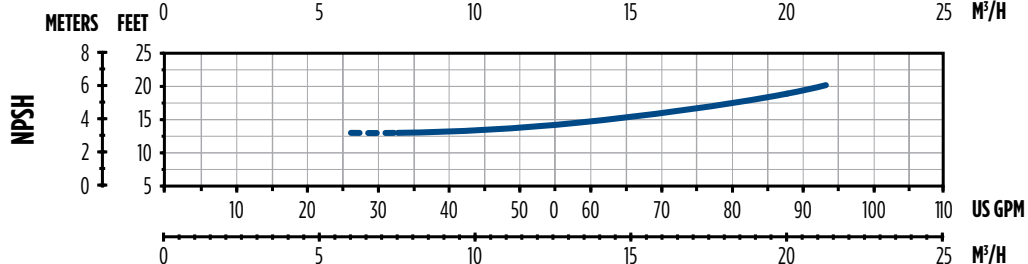
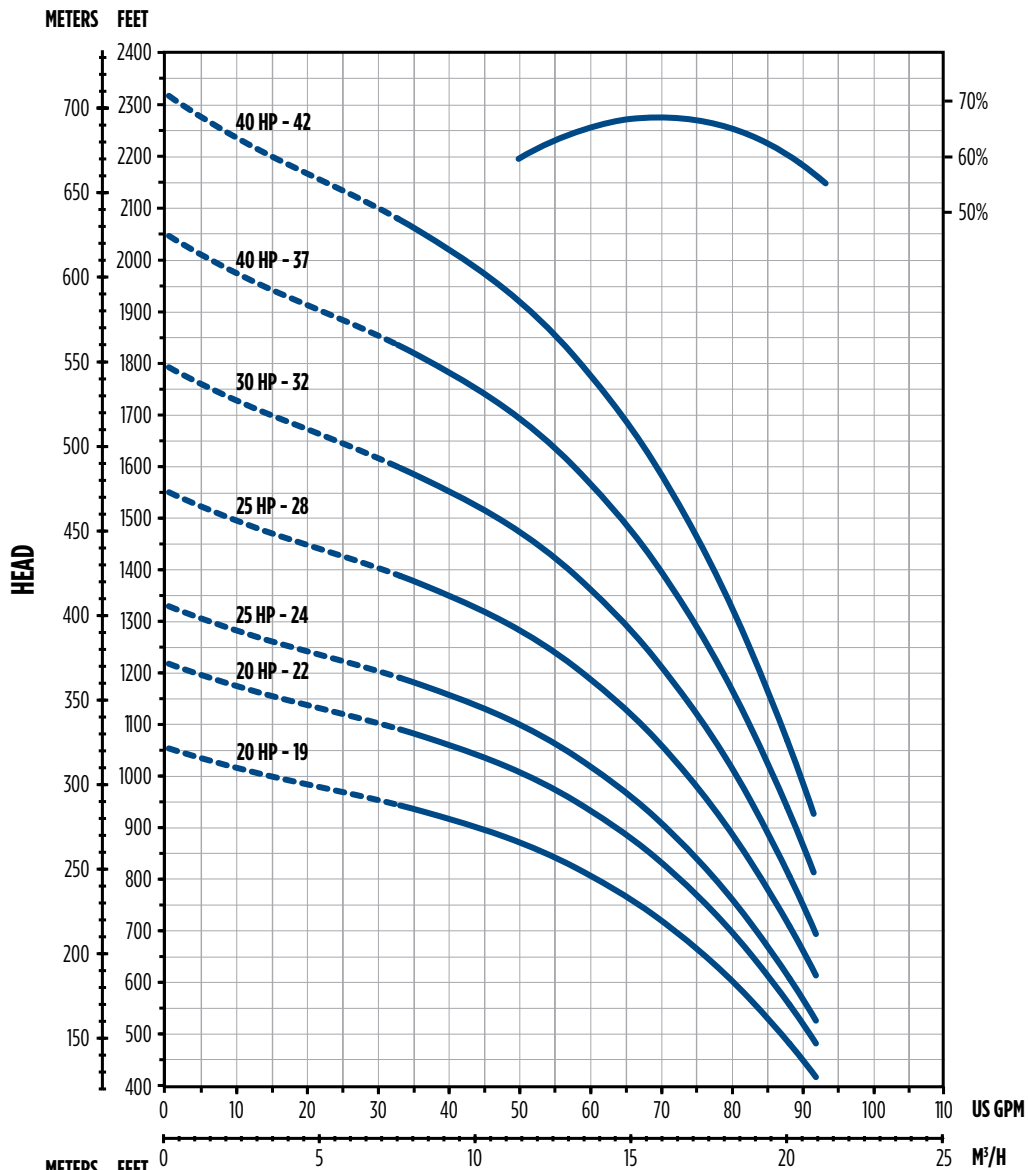
6" STAINLESS STEEL SR SERIES



PERFORMANCE

70 GPM

Basic Model	PEI _{CL} Number
70SR	0.96



Recommended Operating Range

SUBMERSIBLE PUMPS

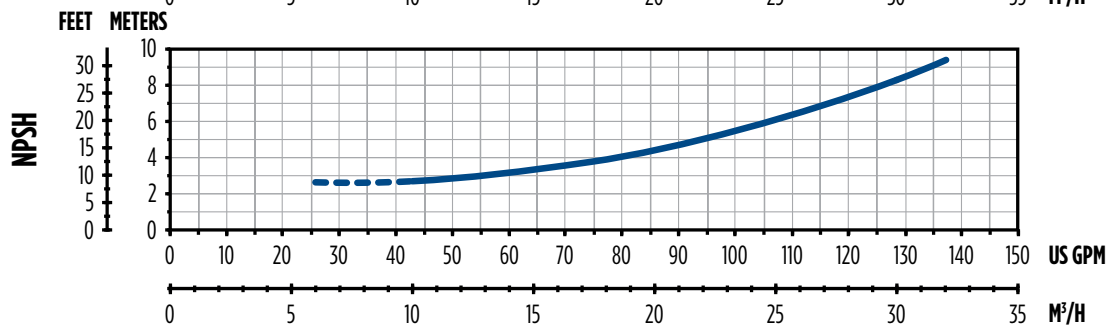
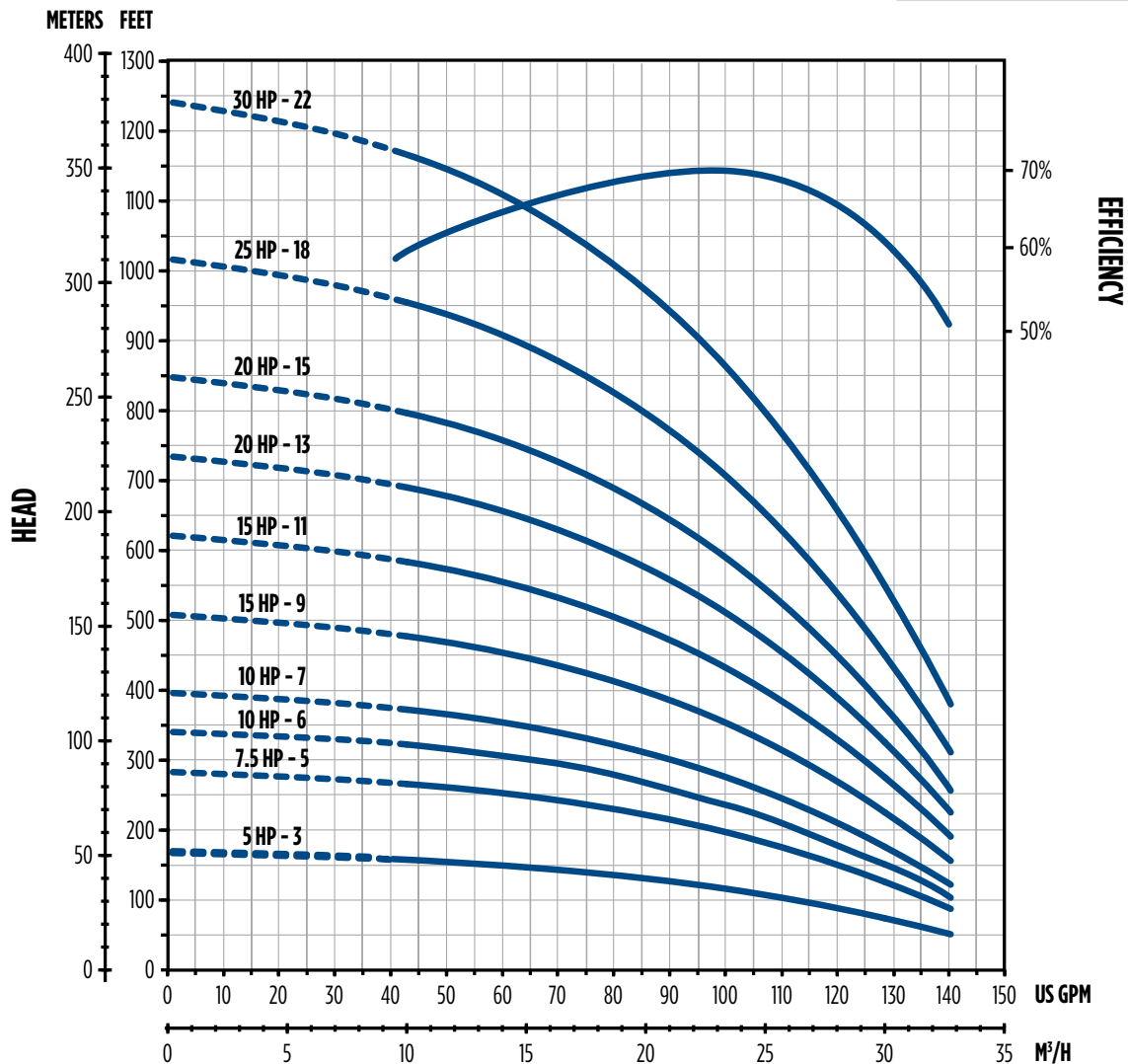
6" STAINLESS STEEL SR SERIES



PERFORMANCE

100 GPM

Basic Model	PEI _{CL} Number
100SR	0.95



Recommended Operating Range

SUBMERSIBLE PUMPS

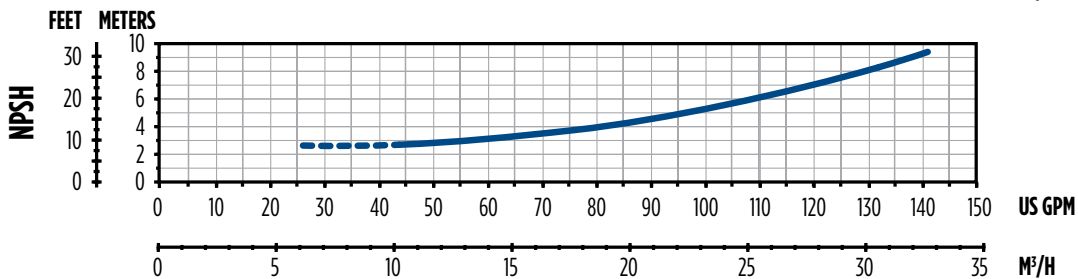
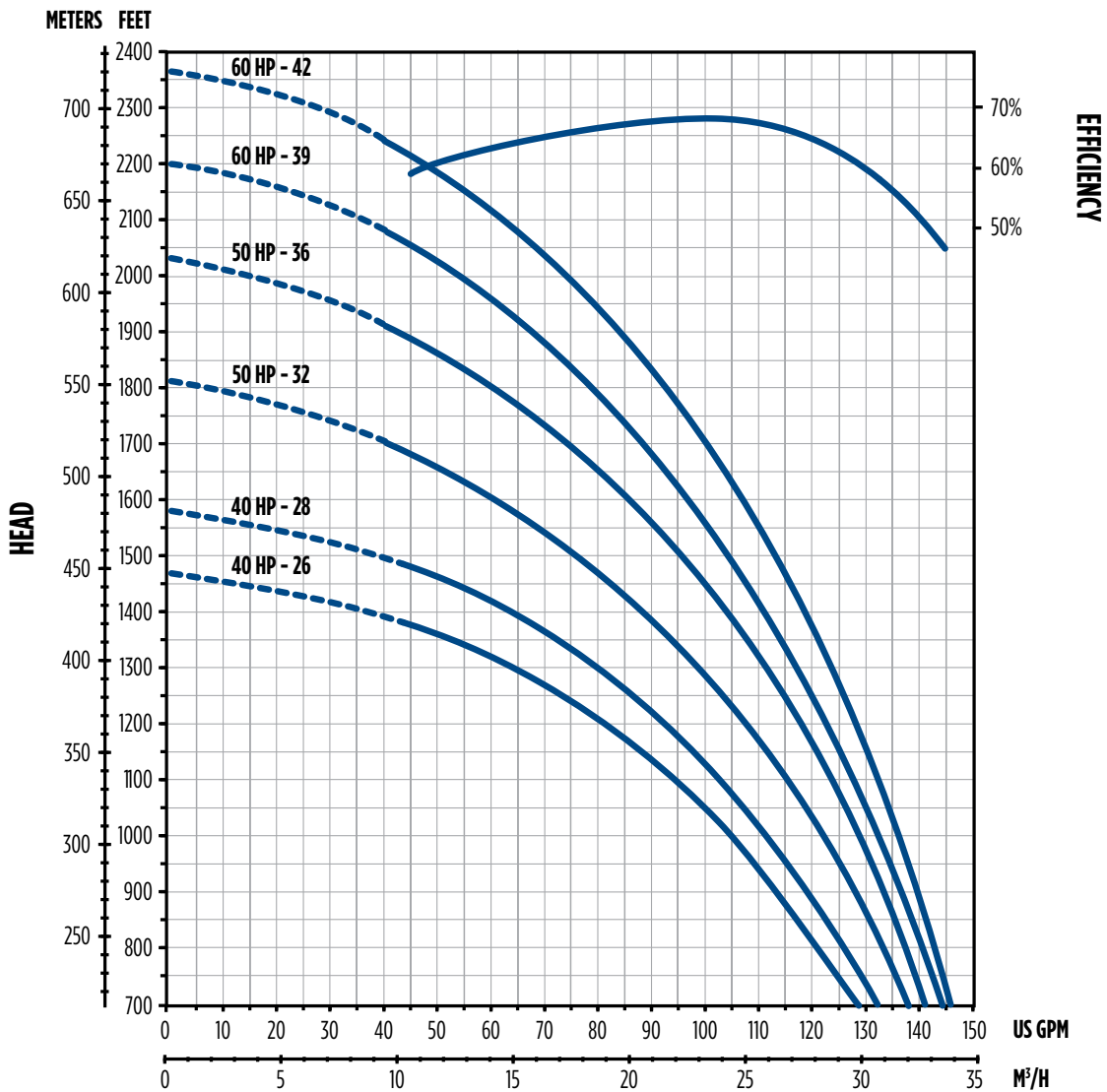
6" STAINLESS STEEL SR SERIES



PERFORMANCE

100 GPM

Basic Model	PEI _{CL} Number
100SR	0.95



Recommended Operating Range

SUBMERSIBLE PUMPS

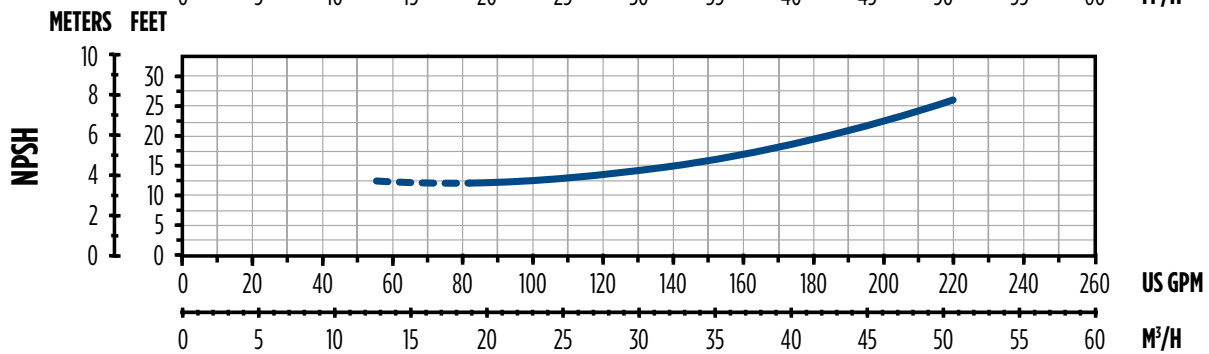
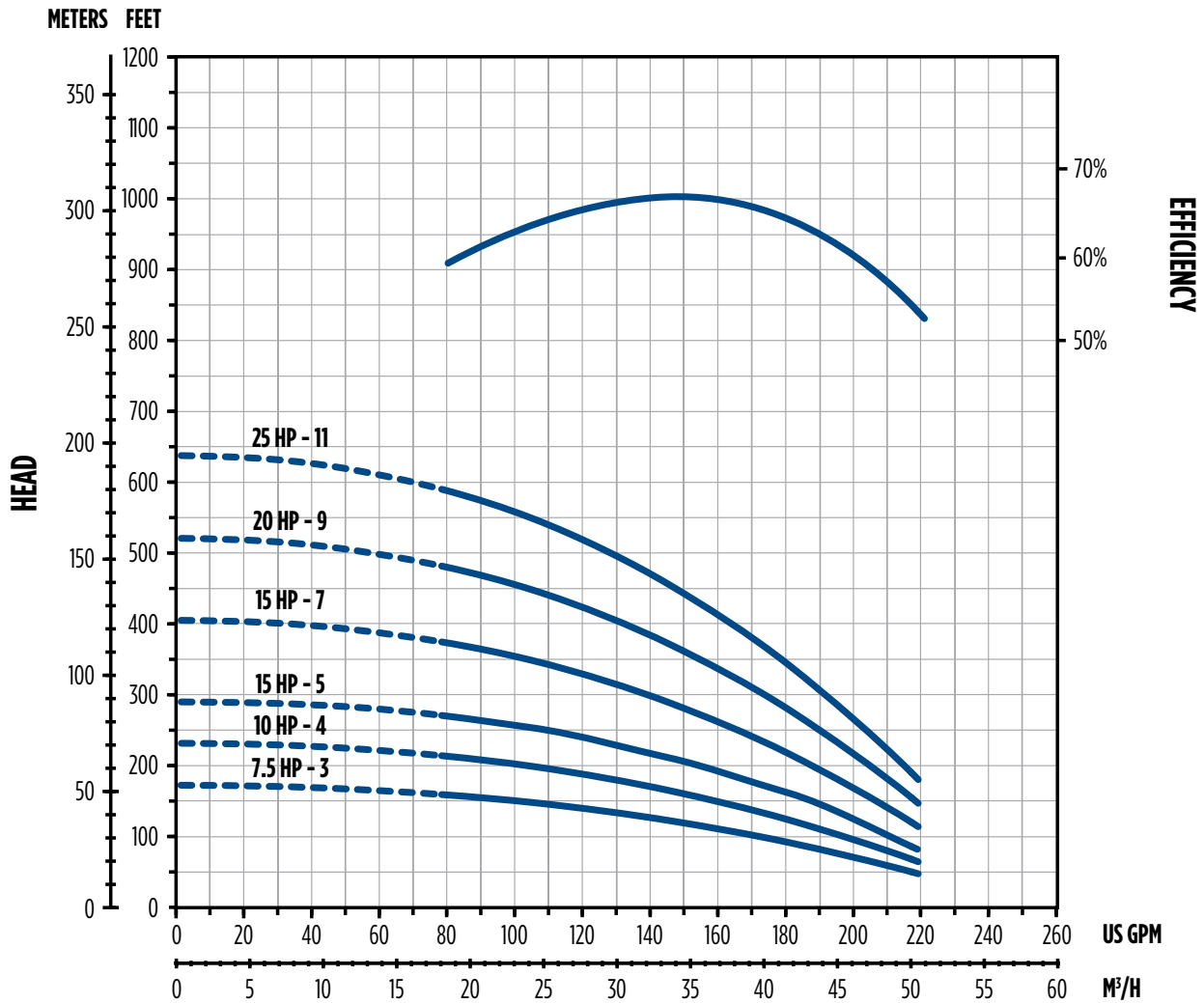
6" STAINLESS STEEL SR SERIES



PERFORMANCE

150 GPM

Basic Model	PEI _{CL} Number
150SR	0.97



Recommended Operating Range

SUBMERSIBLE PUMPS

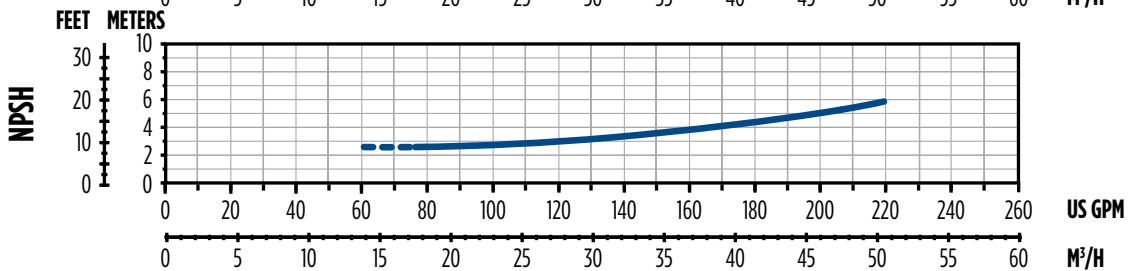
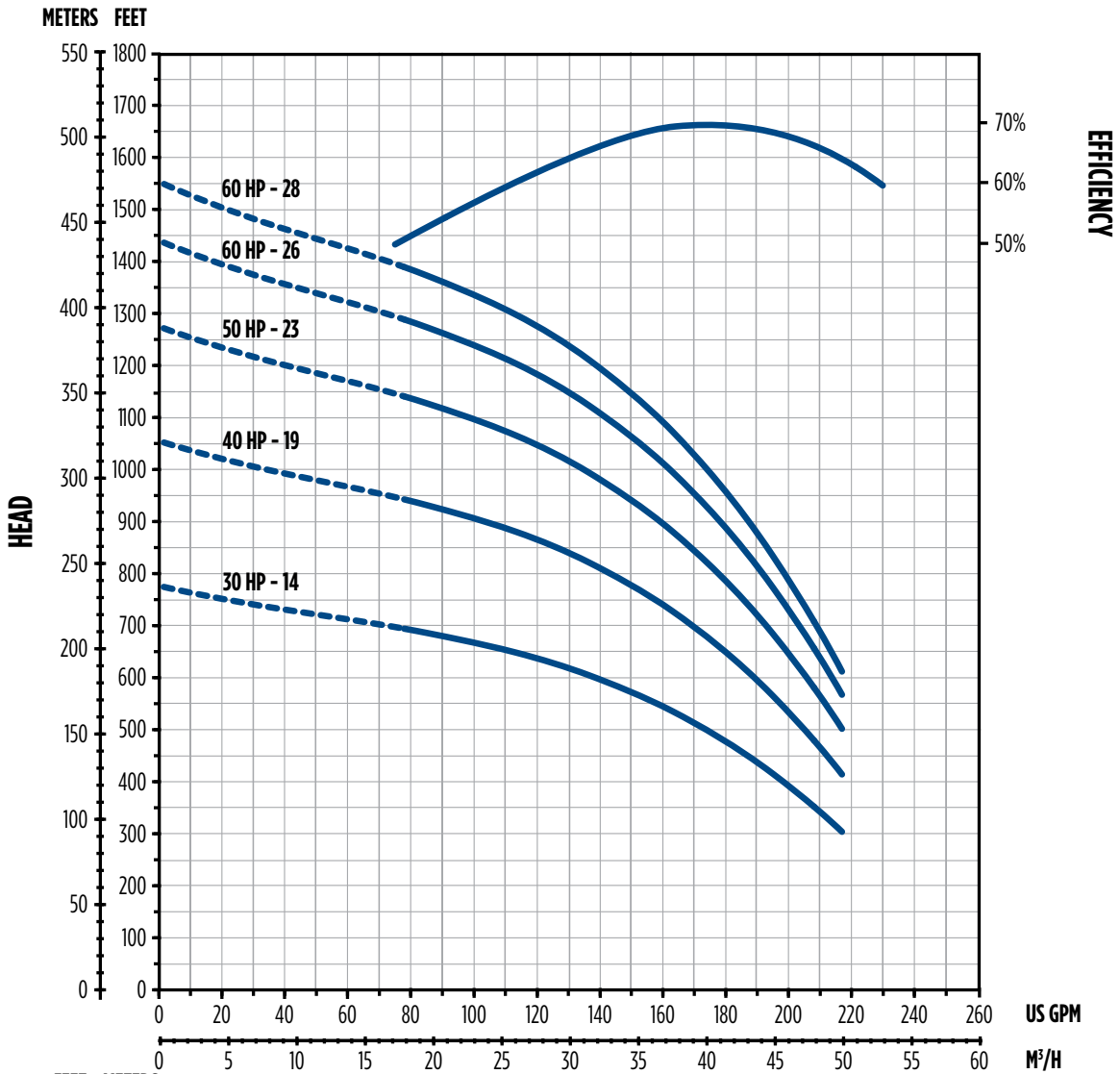
6" STAINLESS STEEL SR SERIES



PERFORMANCE

150 GPM

Basic Model	PEI _{CL} Number
150SR	0.97



Recommended Operating Range

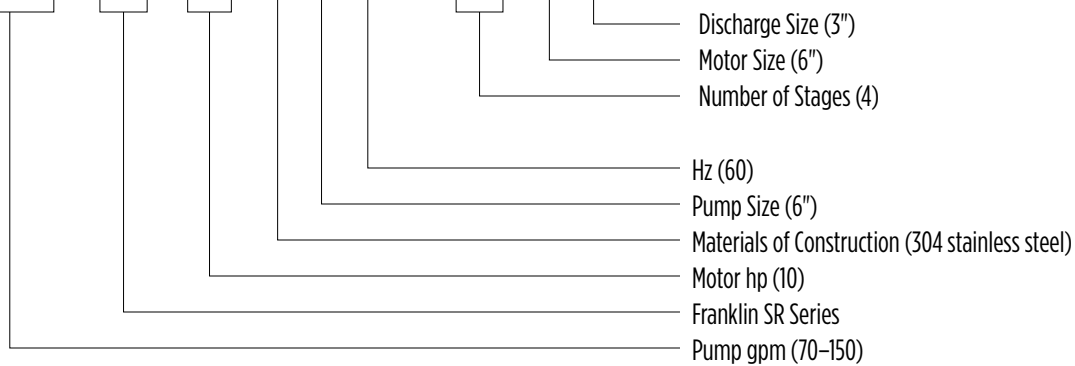
SUBMERSIBLE PUMPS

6" STAINLESS STEEL SR SERIES



MODEL NOMENCLATURE

1 5 0 S R 1 0 F 6 6 - 0 4 6 3



ORDER INFORMATION

70 GPM

GPM	Stages	HP	Motor Size [in]	Basic Model	PEI _{CL}	304 SS		316 SS	
						Order No.	Description	Order No.	Description
70	5	5	6	70SR	0.96	97160070005	70SR5F66-0563	97161070001	70SR5S66-0563
	8	7.5				97160070008	70SR7F66-0863	97161070004	70SR7S66-0863
	11	10				97160070011	70SR10F66-1163	97161070007	70SR10S66-1163
	13	15				97160070013	70SR15F66-1363	97161070009	70SR15S66-1363
	15	15				97160070015	70SR15F66-1563	97161070011	70SR15S66-1563
	17	15				97160070017	70SR15F66-1763	97161070013	70SR15S66-1763
	19	20				97160070019	70SR20F66-1963	97161070015	70SR20S66-1963
	22	20				97160070022	70SR20F66-2263	97161070018	70SR20S66-2263
	24	25				97160070024	70SR25F66-2463	97161070020	70SR25S66-2463
	28	25				97160070028	70SR25F66-2863	97161070024	70SR25S66-2863
	32	30				97160070032	70SR30F66-3263	97161070032	70SR30S66-3263
	37	40				97160070037	70SR40F66-3763	97161070037	70SR40S66-3763
	42	40				97160070042	70SR40F66-4263	97161070042	70SR40S66-4263

NOTE: 4" Motor Adapter Kit (Order No. 305473001) available for 10 hp models and below.

SUBMERSIBLE PUMPS

6" STAINLESS STEEL SR SERIES



ORDER INFORMATION

100 GPM

GPM	Stages	HP	Motor Size [in]	Basic Model	PEI _{CL}	304 SS		316 SS	
						Order No.	Description	Order No.	Description
100	3	5	6	100SR	0.95	97160100003	100SR5F66-0363	97161100003	100SR5S66-0363
	5	7.5				97160100005	100SR7F66-0563	97161100005	100SR7S66-0563
	6	10				97160100006	100SR10F66-0663	97161100006	100SR10S66-0663
	7	10				97160100007	100SR10F66-0763	97161100007	100SR10S66-0763
	9	15				97160100009	100SR15F66-0963	97161100009	100SR15S66-0963
	11	15				97160100011	100SR15F66-1163	97161100011	100SR15S66-1163
	13	20				97160100013	100SR20F66-1363	97161100013	100SR20S66-1363
	15	20				97160100015	100SR20F66-1563	97161100015	100SR20S66-1563
	18	25				97160100018	100SR25F66-1863	97161100018	100SR25S66-1863
	22	30				97160100022	100SR30F66-2263	97161100022	100SR30S66-2263
	26	40				97160100026	100SR40F66-2663	97161100026	100SR40S66-2663
	28	40				97160100028	100SR40F66-2863	97161100028	100SR40S66-2863
	32	50				97160100032	100SR50F66-3263	97161100032	100SR50S66-3263
	36	50				97160100036	100SR50F66-3663	97161100036	100SR50S66-3663
	39	60				97160100039	100SR60F66-3963	97161100039	100SR60S66-3963
42	60	97160100042	100SR60F66-4263	97161100042	100SR60S66-4263				

NOTE: 4" Motor Adapter Kit (Order No. 305473001) available for 10 hp models and below.

ORDER INFORMATION

150 GPM

GPM	Stages	HP	Motor Size [in]	Basic Model	PEI _{CL}	304 SS		316 SS	
						Order No.	Description	Order No.	Description
150	3	7.5	6	150SR	0.97	97160150003	150SR7F66-0363	97161150003	150SR7S66-0363
	4	10				97160150004	150SR10F66-0463	97161150004	150SR10S66-0463
	5	15				97160150005	150SR15F66-0563	97161150005	150SR15S66-0563
	7	15				97160150007	150SR15F66-0763	97161150007	150SR15S66-0763
	9	20				97160150009	150SR20F66-0963	97161150009	150SR20S66-0963
	11	25				97160150011	150SR25F66-1163	97161150011	150SR25S66-1163
	14	30				97160150014	150SR30F66-1463	97161150014	150SR30S66-1463
	19	40				97160150019	150SR40F66-1963	97161150019	150SR40S66-1963
	23	50				97160150023	150SR50F66-2363	97161150023	150SR50S66-2363
	26	60				97160150026	150SR60F66-2663	97161150026	150SR60S66-2663
	28	60				97160150028	150SR60F66-2863	97161150028	150SR60S66-2863

NOTE: 4" Motor Adapter Kit (Order No. 305473001) available for 10 hp models and below.

SUBMERSIBLE PUMPS

6" STAINLESS STEEL SR SERIES



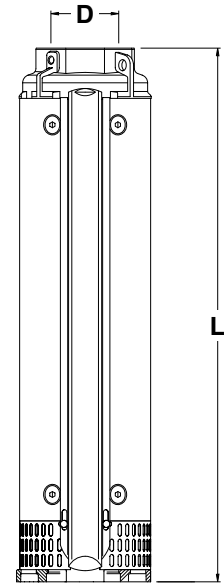
DIMENSIONS

70 GPM

HP	Stages	D [in]	Motor Size [in]	Diameter w/Cable Guard [in]	L [in]	Weight [lbs]	
5	5	3 NPT	6	5.63	15.00	23.4	
7.5	8				18.54	30.9	
10	11				22.09	35.3	
15	13				24.45	38.6	
15	15				26.73	42.1	
15	17				29.17	45.2	
20	19				31.54	48.5	
20	22				35.08	52.9	
25	24				37.44	56.2	
25	28				42.17	64.4	
30	32				46.79	70.8	
40	37				52.70	78.5	
40	42				* 5.71	58.60	86.2

NOTE: D = Discharge, L = Pump Length

* Denotes larger diameter with cable guard due to high pressure model.



DIMENSIONS

100 GPM

HP	Stages	D [in]	Motor Size [in]	Diameter w/Cable Guard [in]	L [in]	Weight [lbs]
5	3	3 NPT	6	5.63	16.79	22.1
7.5	5				19.74	26.5
10	6				21.22	27.6
10	7				22.69	29.8
15	9				25.64	33.1
15	11				28.60	37.5
20	13				31.55	40.8
20	15				34.50	44.1
25	18				38.92	49.6
30	22				44.82	57.3
40	26				50.72	63.9
40	28				53.67	68.3
50	32				59.58	75.0
50	36				65.48	81.6
60	39				69.90	88.2
60	42			* 5.71	74.33	94.8

NOTE: D = Discharge, L = Pump Length

* Denotes larger diameter with cable guard due to high pressure model.

DIMENSIONS

150 GPM

HP	Stages	D [in]	Motor Size [in]	Diameter w/Cable Guard [in]	L [in]	Weight [lbs]
7.5	3	3 NPT	6	5.63	17.01	25.4
10	4				18.84	27.6
15	5				20.67	29.8
15	7				24.33	34.2
20	9				27.99	38.6
25	11				31.65	43.0
30	14				37.15	49.6
40	19				46.30	59.5
50	23				53.62	68.3
60	26				59.09	75.0
60	28				62.76	79.4

NOTE: D = Discharge, L = Pump Length

SUBMERSIBLE PUMPS

6" STAINLESS STEEL SR SERIES



MATERIALS

Parts Description	Type	304 SS		316 SS	
		AISI	DIN / EN	AISI	DIN / EN
Discharge Head	Stainless steel	304	1.430	316	1.440
Valve	Stainless steel	316	1.440	316	1.440
Sealing O-ring	Nitrile rubber (NBR)	-	-	-	-
Outer Case Locking Nuts	Stainless steel	316	1.440	316	1.440
Outer Case	Stainless steel	304	1.430	316	1.440
Suction Strainer	Stainless steel	316	1.440	316	1.440
Cable Guard	Stainless steel	316	1.440	316	1.440
Initial Spacer	Stainless steel	304	1.430	316	1.440
Flange and Screws	Stainless steel	304	1.430	316	1.440
Motor Adapter	Stainless steel	304	1.430	316	1.440
Pump Shaft	Stainless steel	431	1.406	316/329	1.4401 / 1.4460
Coupling	Stainless steel	431 / 329	1.4057 / 1.4460	316/329	1.4401 / 1.4460
Upper / Lower Upthrust Washer	Stainless steel	316	1.440	316	1.440
Upper Journal Sleeve	Stainless steel w/ tungsten carbide (WIDIA)	316	1.440	316	1.440
Screw and Washer	Stainless steel	316	1.440	316	1.440
Upthrust Ring	PTFE	-	-	-	-
Lower Spacer	Stainless steel	316	1.440	316	1.440
Diffuser	Stainless steel	304	1.430	316	1.440
Secondary Bearing Bushing	Nitrile rubber (NBR)	-	-	-	-
Floating Neck Ring	PTFE	-	-	-	-
Flange Clamping Neck Ring	Stainless steel	304	1.430	316	1.440
Bearing Bushing	Nitrile rubber (NBR)	-	-	-	-
Last / Intermediate Diffuser	Stainless steel	316	1.440	316	1.440
First Stage	Stainless steel	316	1.440	316	1.440
Impeller / Wear Ring	Stainless steel	304	1.430	316	1.440
Split Cone / Secondary Journal Sleeve	Stainless steel	316	1.440	316	1.440
Split Cone Nut / Intermediate Cone Nut	Stainless steel	316	1.440	316	1.440
Upthrust Split Cone Nut	Stainless steel	316	1.440	316	1.440



Franklin Electric