

SUBMERSIBLE PUMPS

6" SSR SERIES



FEATURES

- Stainless steel impellers and diffusers to resist corrosion
- 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 vertical or horizontal orientations
- Four-strap design reduces irregular compression loading
- Built-in check valve to protect the pump against water hammer
- Energy-efficient hydraulic design for cost-effective operation
- Fully serviceable mechanical design



SPECIFICATIONS

- Capacities of 70, 100, 150, 175, 250, and 325 gpm
- Maximum operating temperature of 140 °F/60 °C
- 304 series stainless steel
- 60 Hz operation

APPLICATIONS

- Industrial
- Agricultural
- Irrigation
- Commercial
- Municipal

SUBMERSIBLE PUMPS

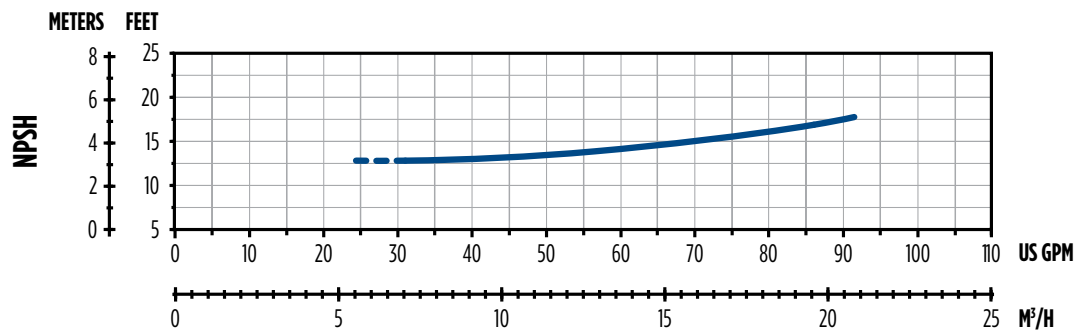
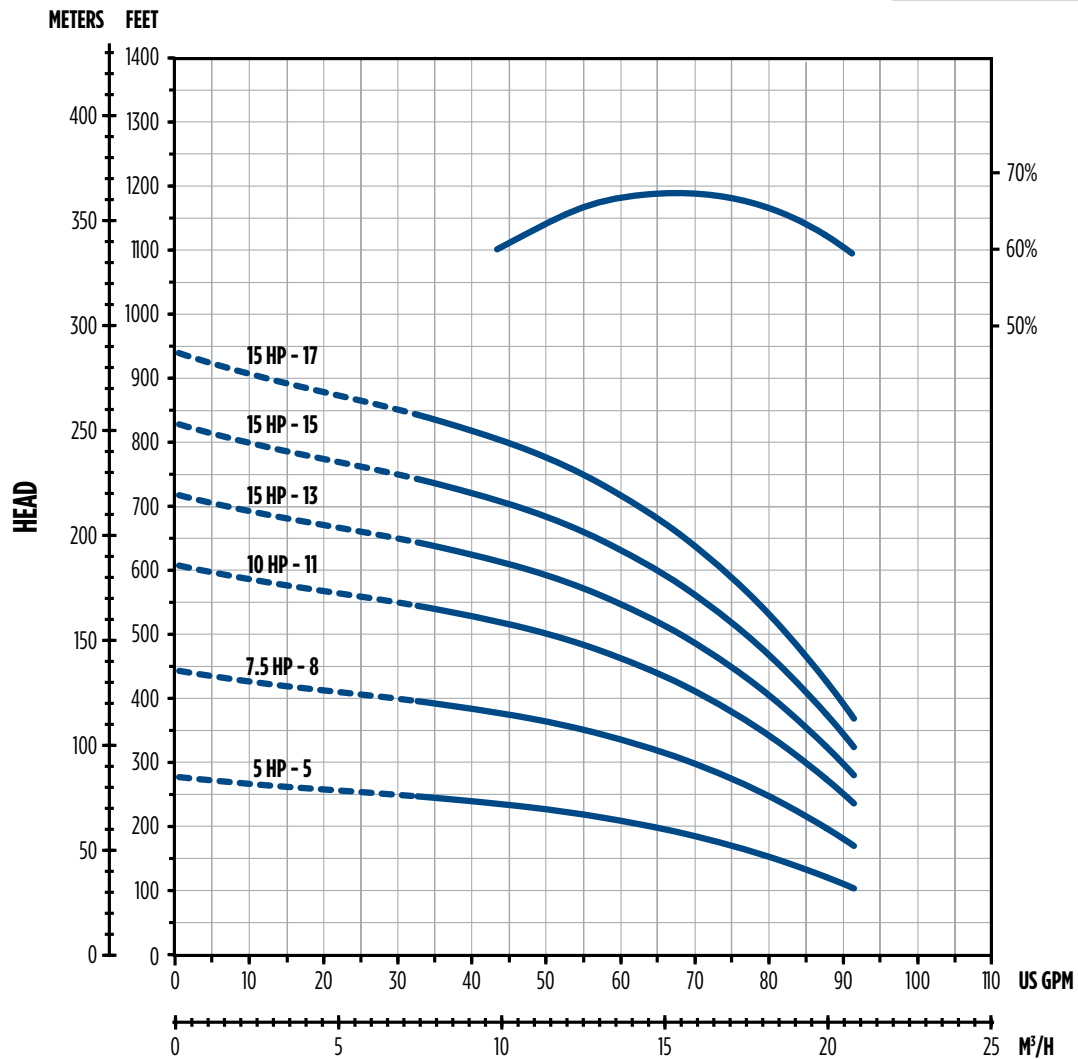
6" SSR SERIES



PERFORMANCE

70 GPM

Basic Model	PEI _{CL} Number
70SSR	0.96



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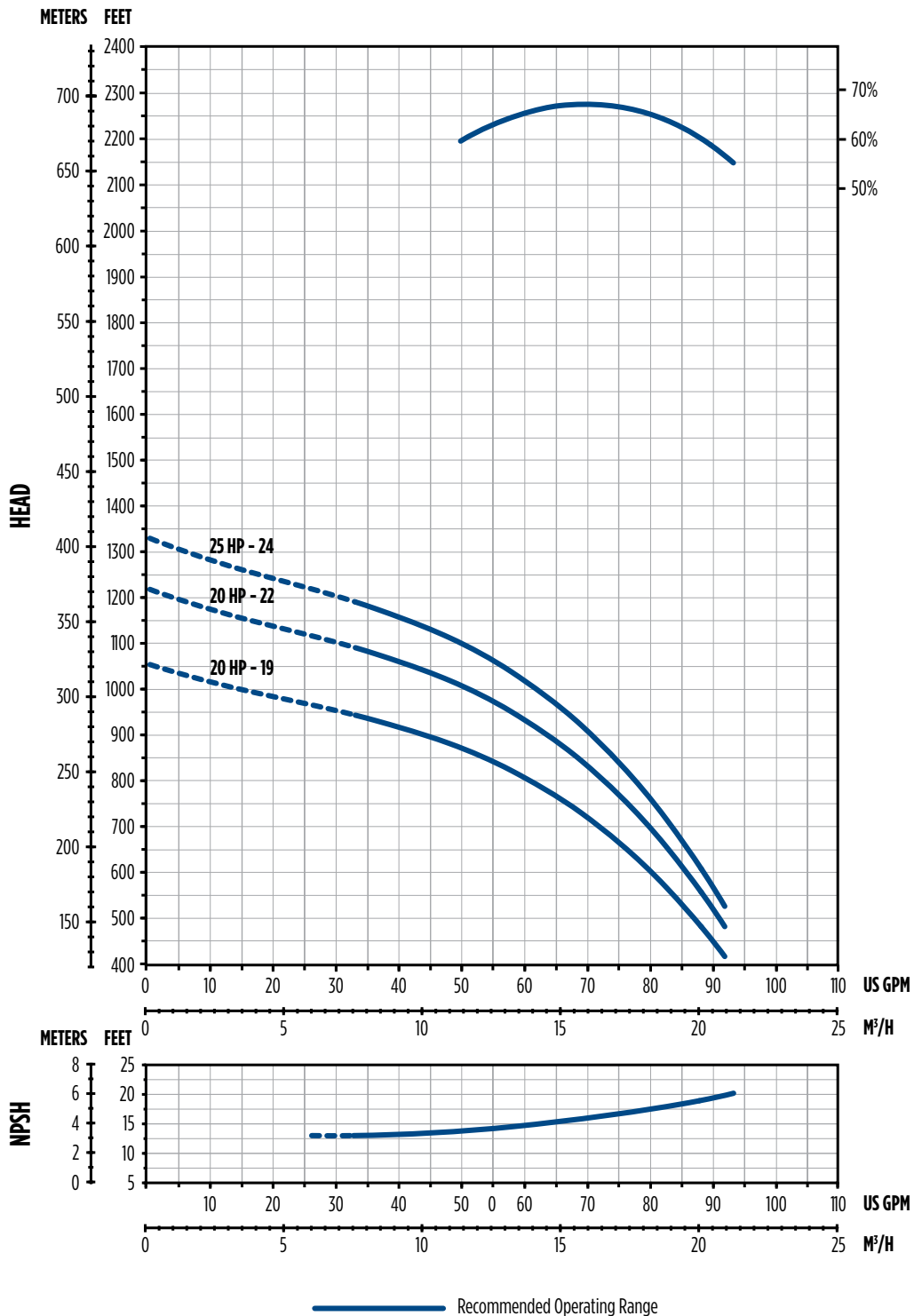
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PERFORMANCE

70 GPM

Basic Model	PEI _{CL} Number
70SSR	0.96



SUBMERSIBLE PUMPS

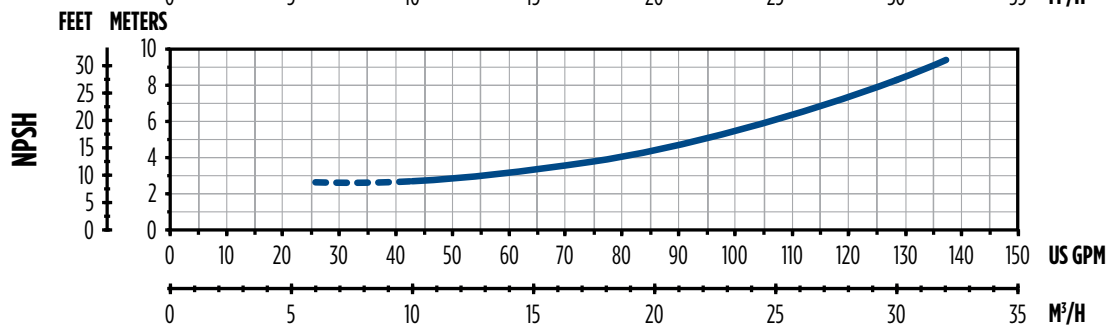
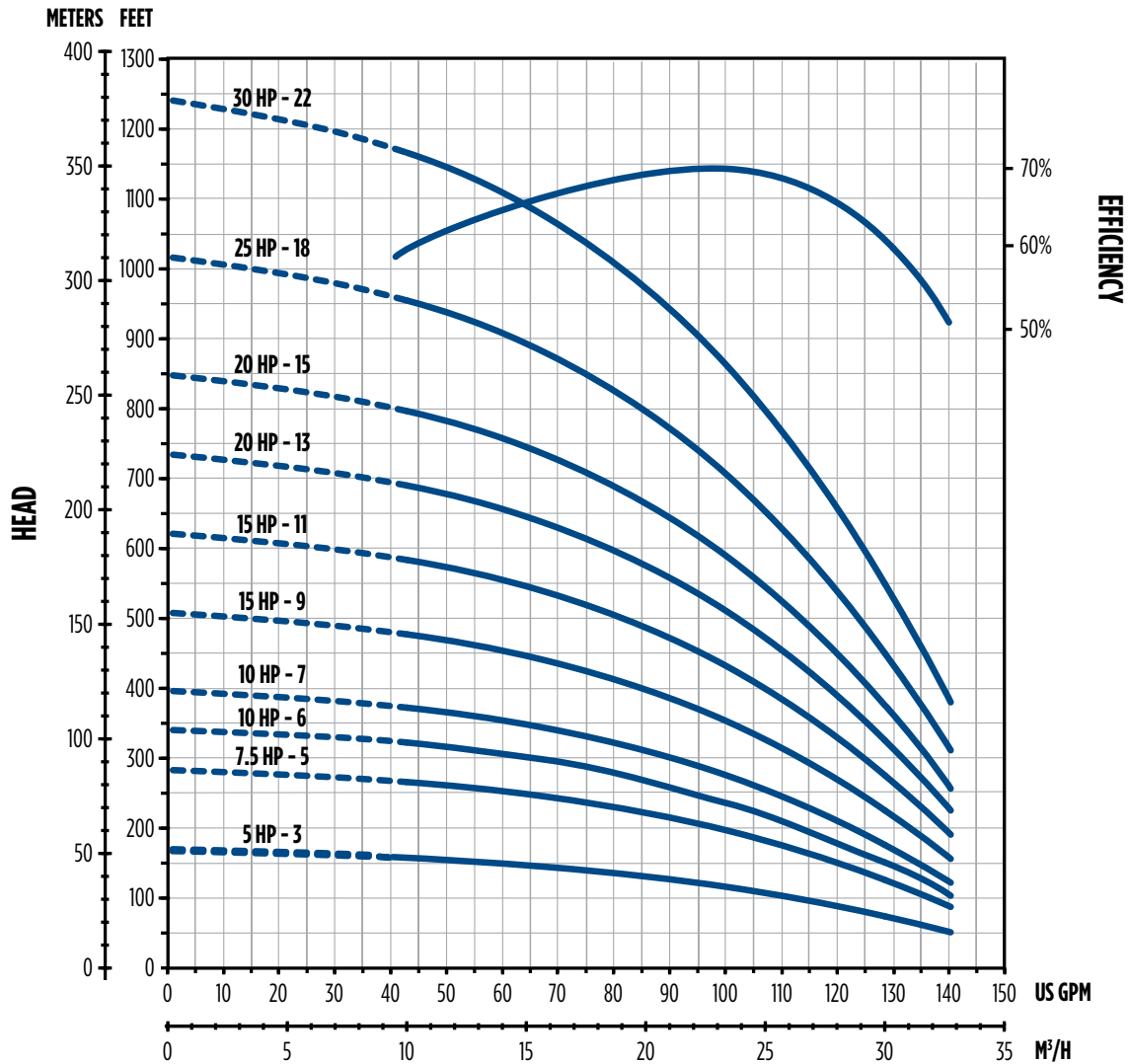
6" SSR SERIES



PERFORMANCE

100 GPM

Basic Model	PEI _{CL} Number
100SSR	0.95



SUBMERSIBLE PUMPS

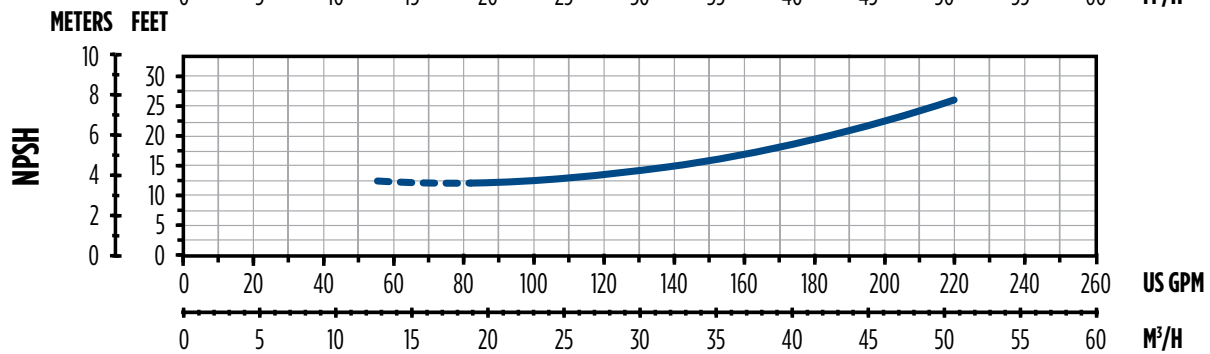
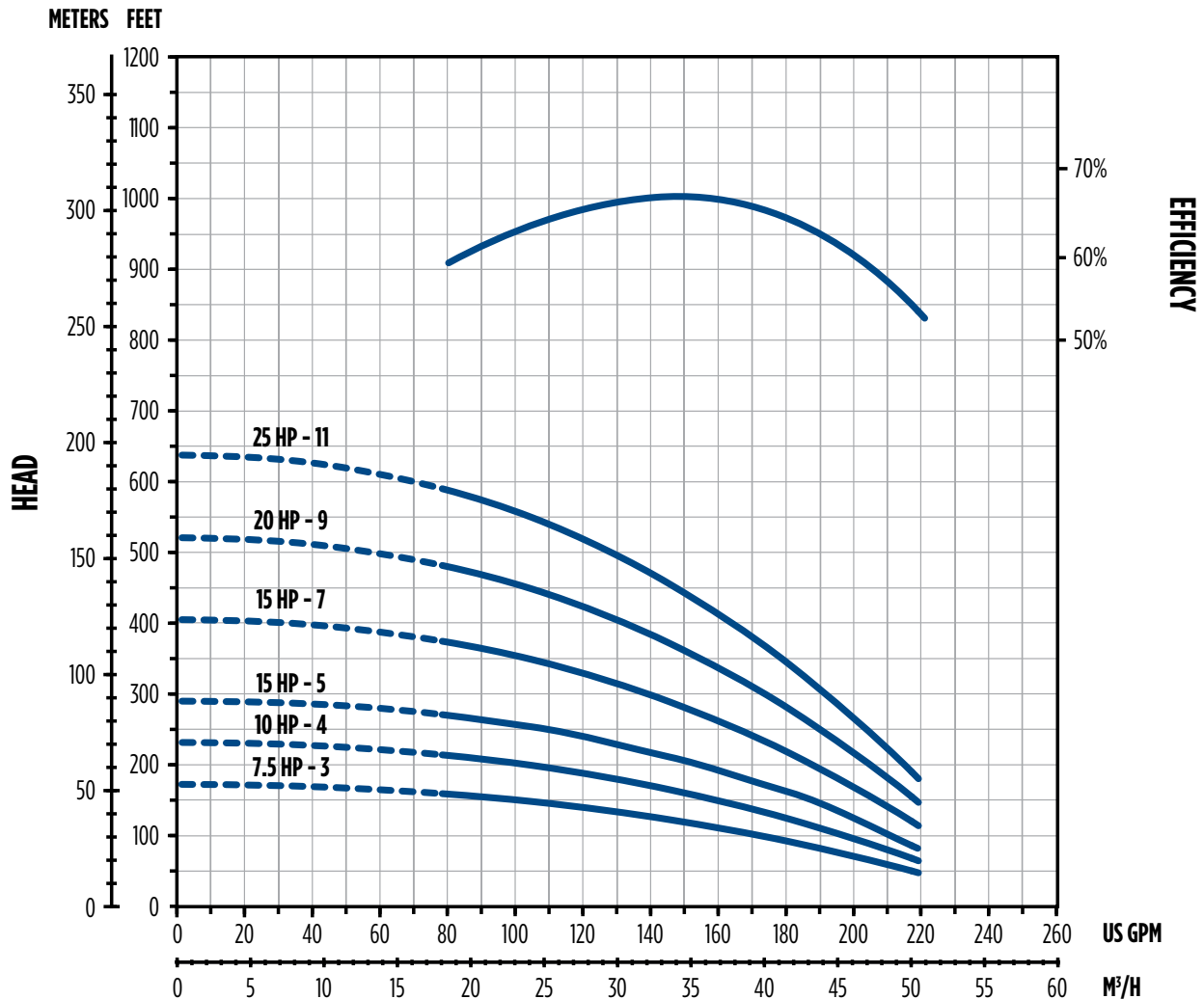
6" SSR SERIES



PERFORMANCE

150 GPM

Basic Model	PEI _{CL} Number
150SSR	0.97



Recommended Operating Range

SUBMERSIBLE PUMPS

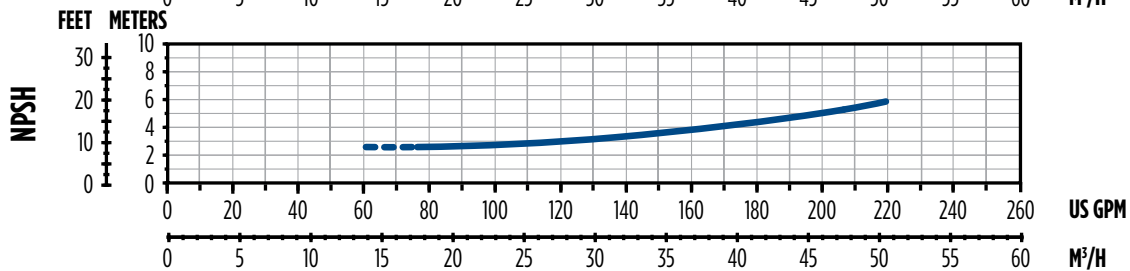
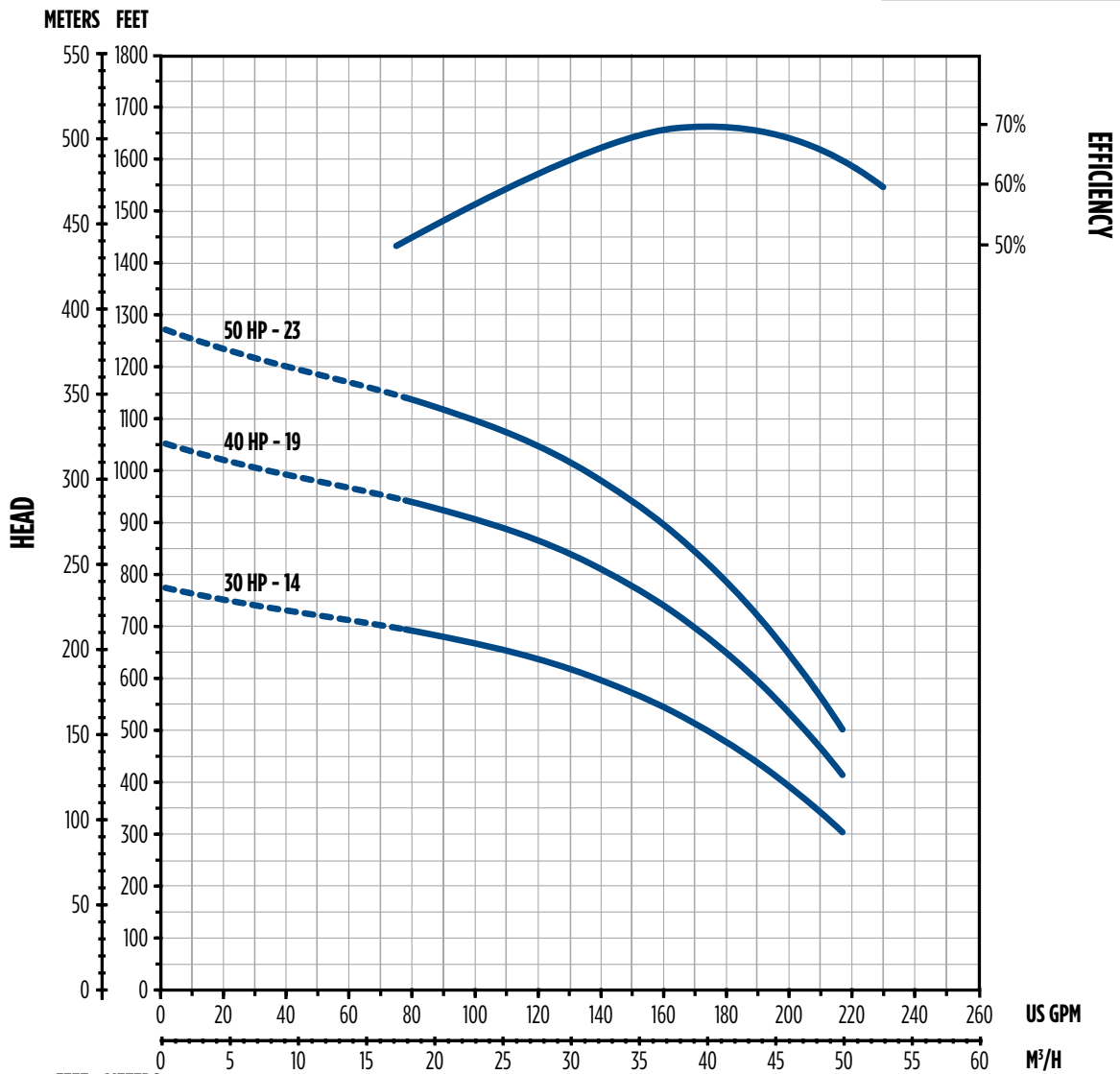
6" SSR SERIES



PERFORMANCE

150 GPM

Basic Model	PEI _{CL} Number
150SSR	0.97



Recommended Operating Range

SUBMERSIBLE PUMPS

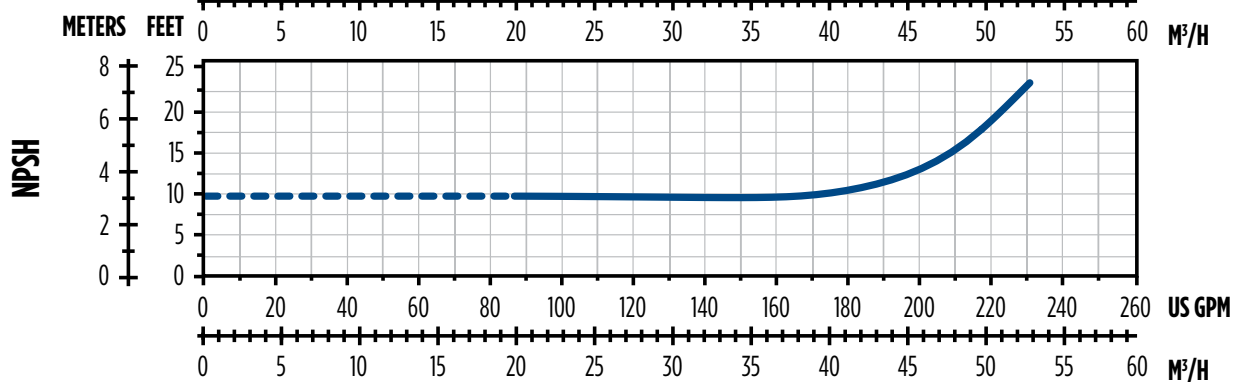
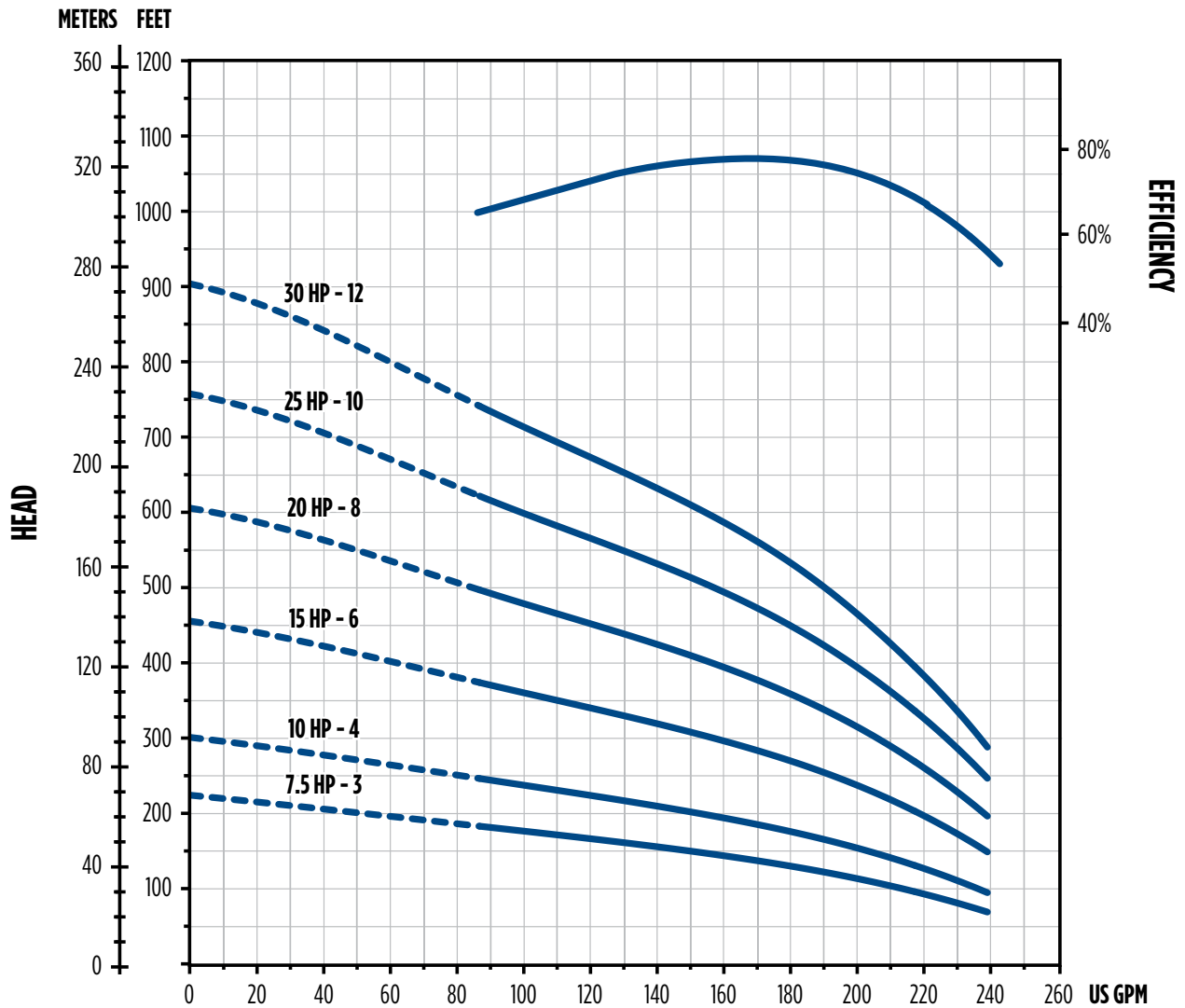
6" SSR SERIES



PERFORMANCE

175 GPM

Basic Model	PEI _{CL} Number
175SSR	0.91



Recommended Operating Range

SUBMERSIBLE PUMPS

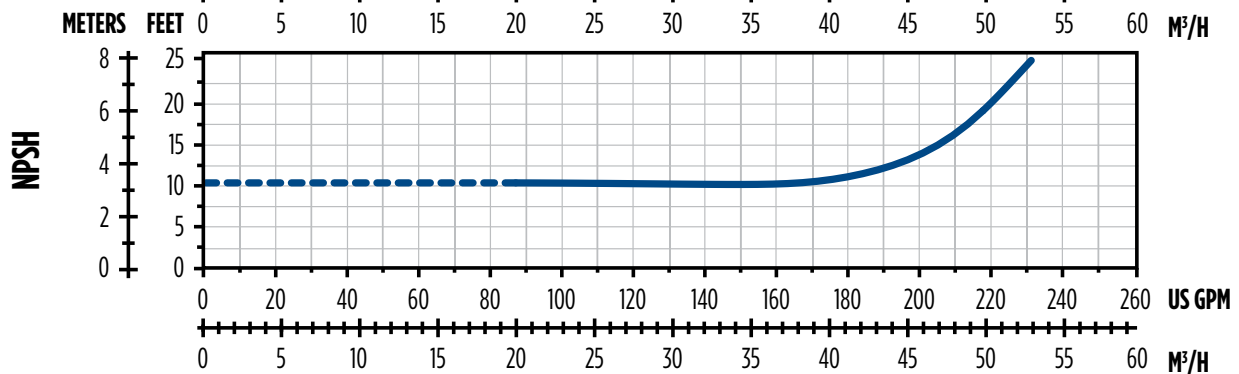
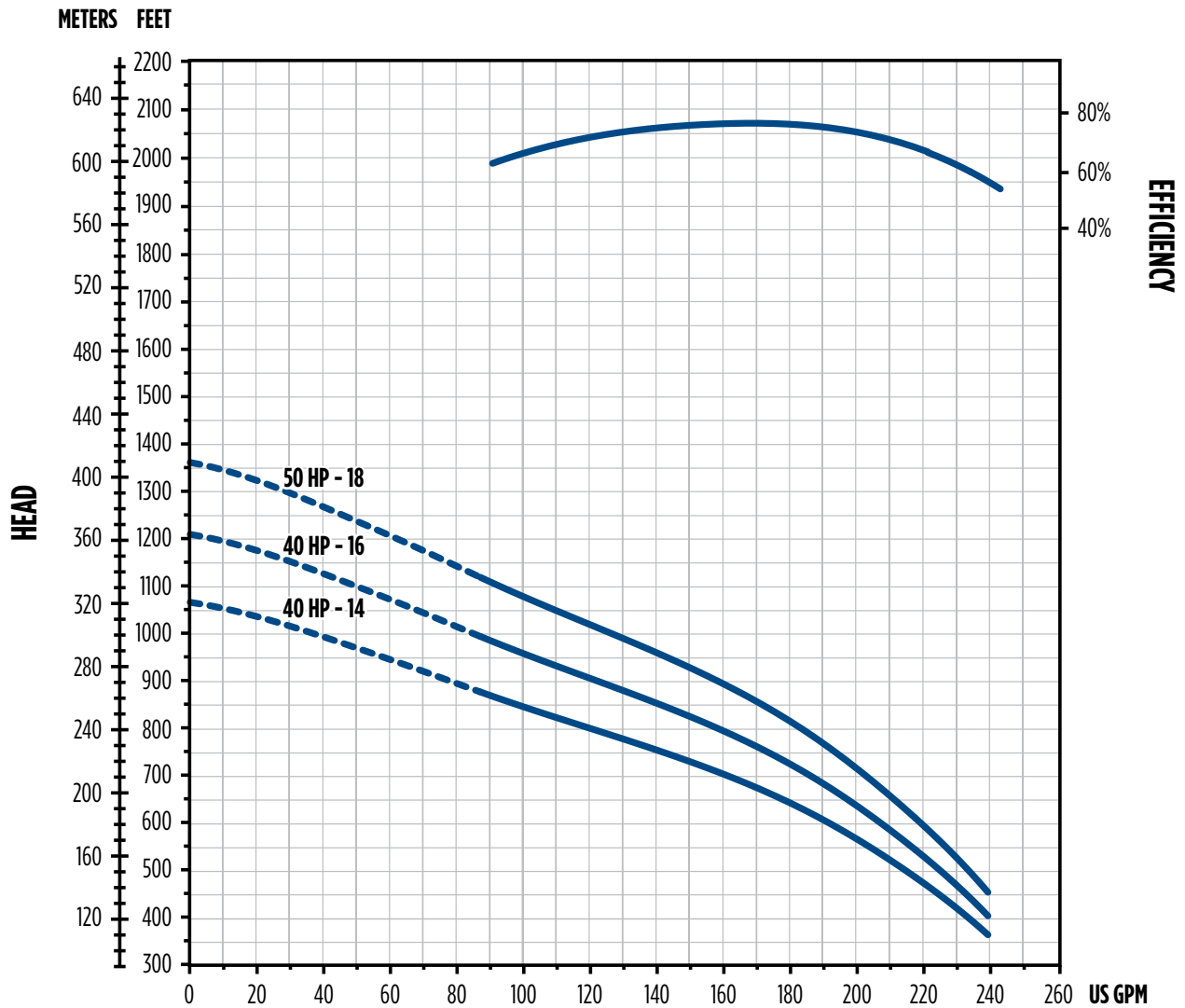
6" SSR SERIES



PERFORMANCE

175 GPM

Basic Model	PEI _{CL} Number
175SSR	0.91



Recommended Operating Range

SUBMERSIBLE PUMPS

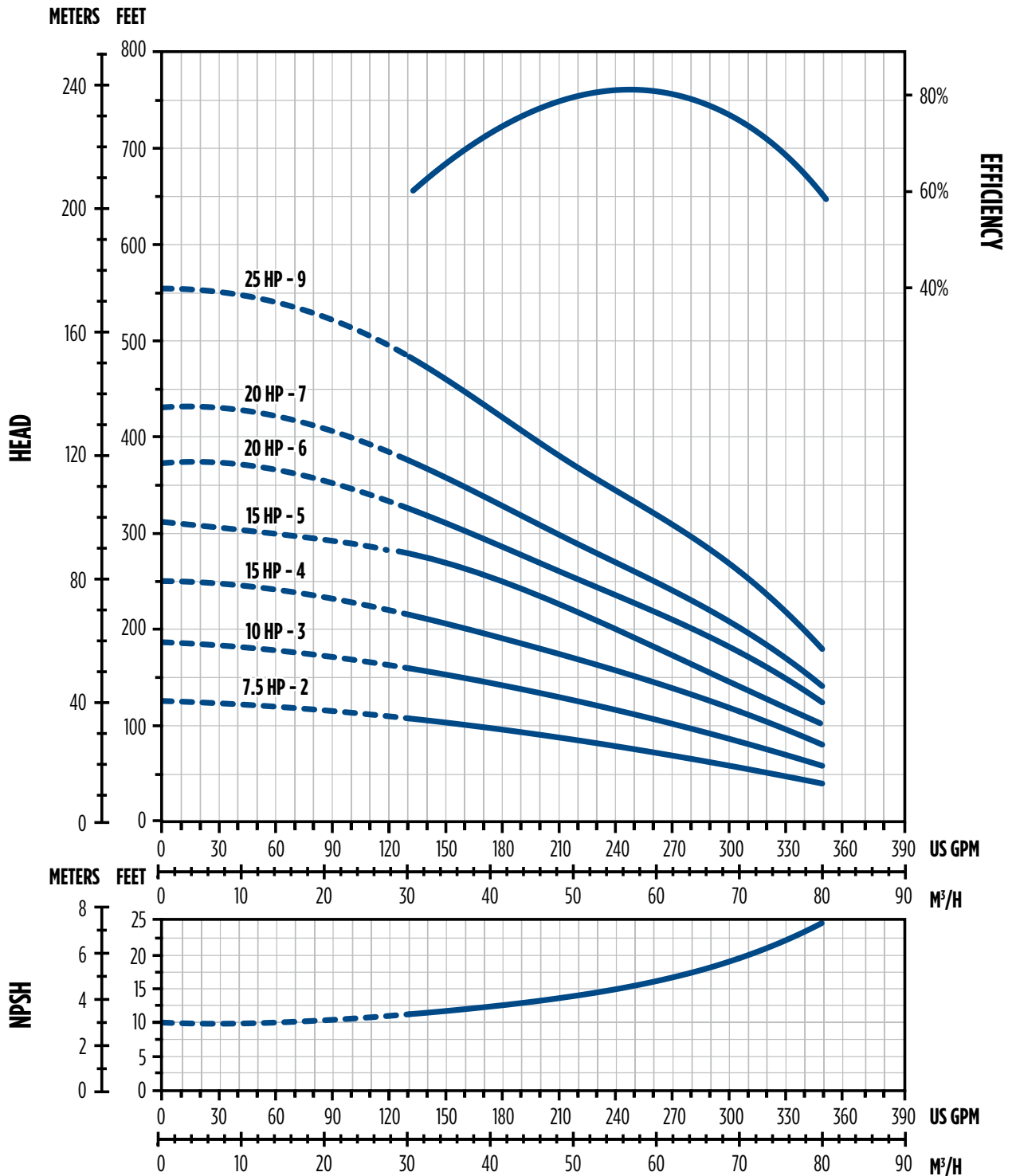
6" SSR SERIES



PERFORMANCE

250 GPM

Basic Model	PEI _{CL} Number
250SSR	0.89



— Recommended Operating Range

SUBMERSIBLE PUMPS

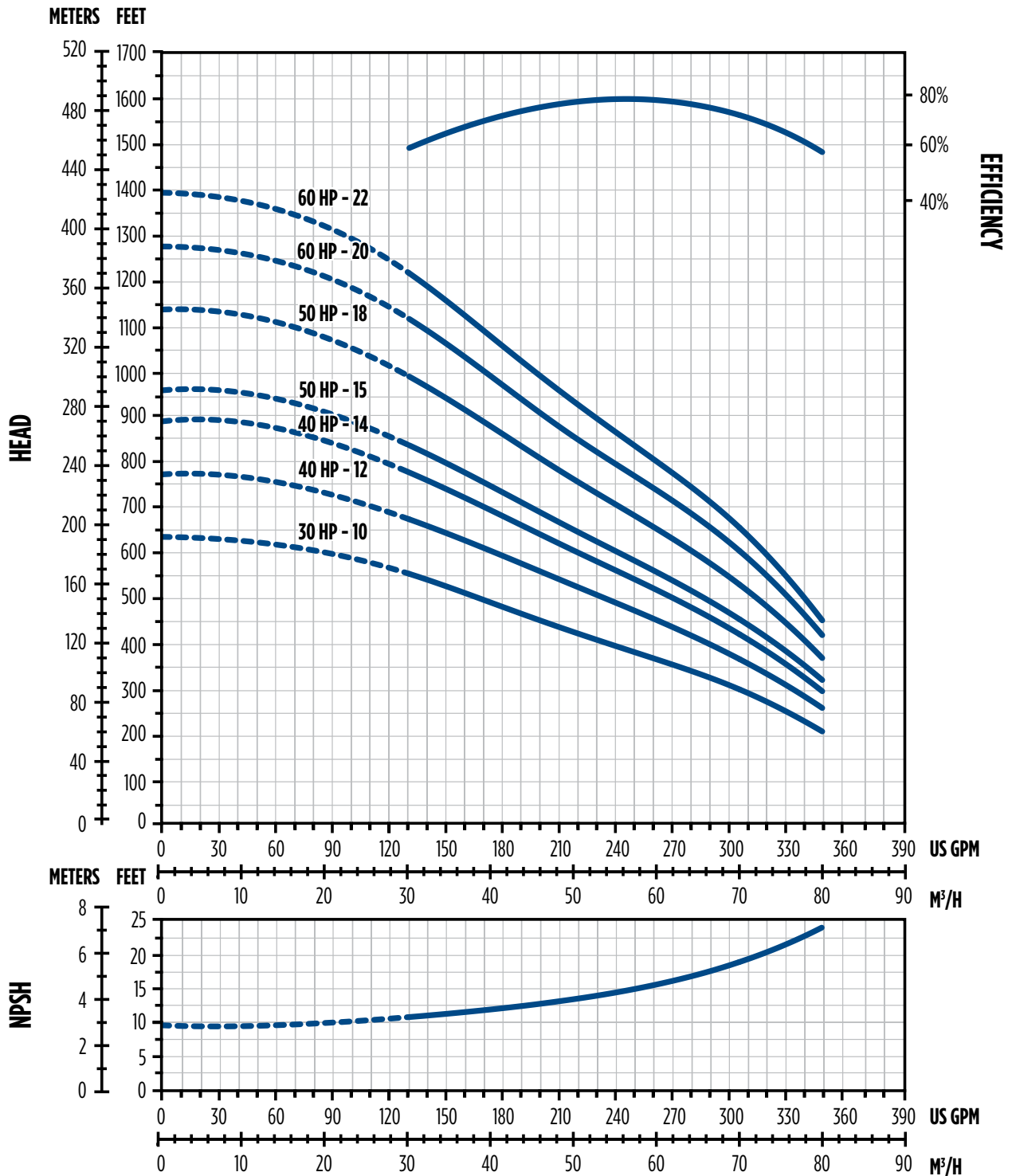
6" SSR SERIES



PERFORMANCE

250 GPM

Basic Model	PEI _{CL} Number
250SSR	0.89



— Recommended Operating Range

SUBMERSIBLE PUMPS

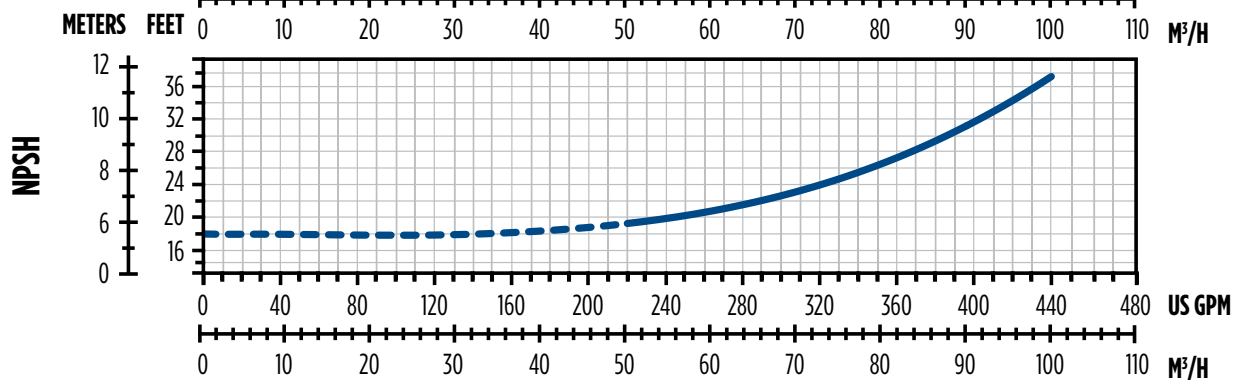
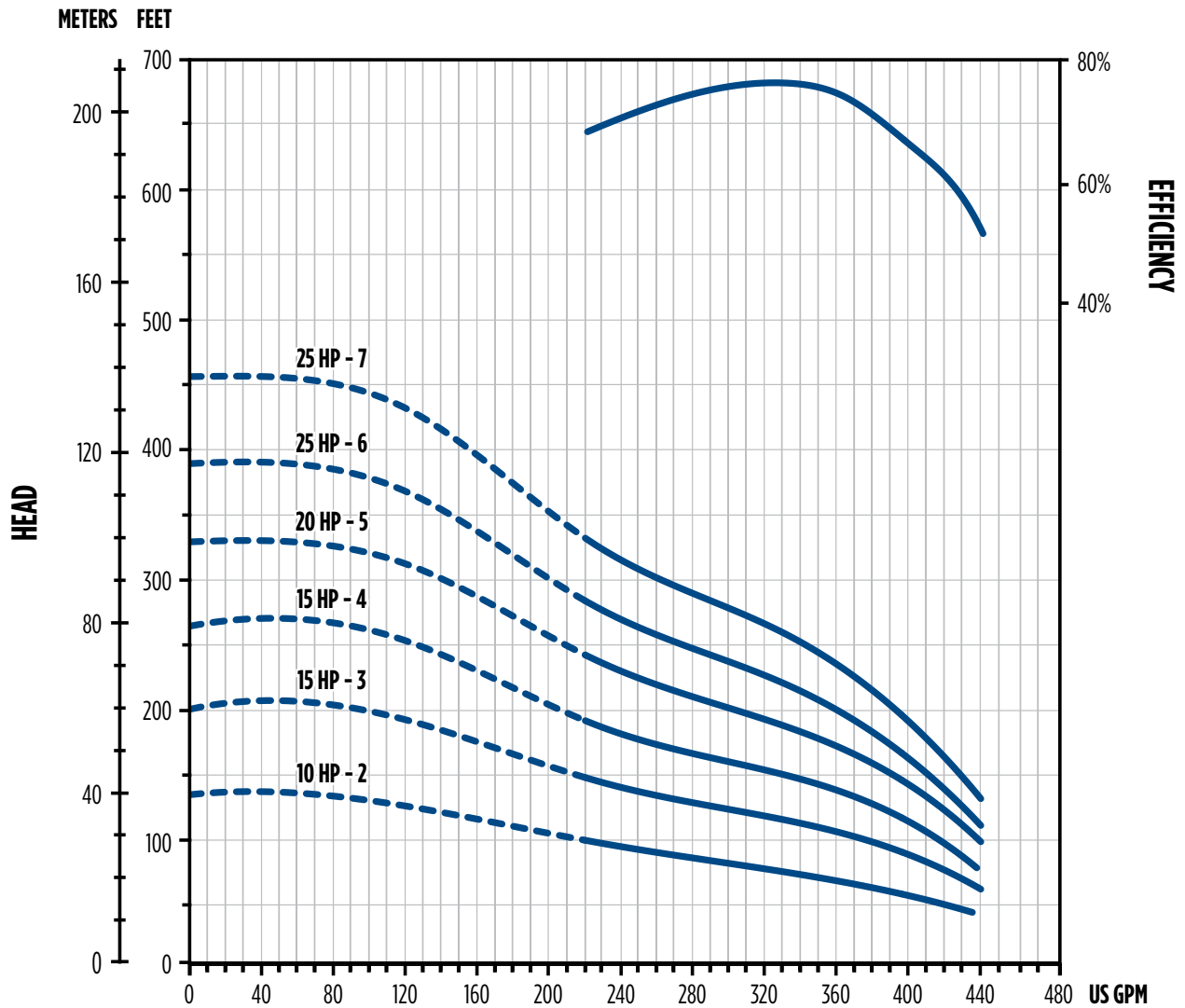
6" SSR SERIES



PERFORMANCE

325 GPM

Basic Model	PEI _{CL} Number
325SSR	0.91



Recommended Operating Range

SUBMERSIBLE PUMPS

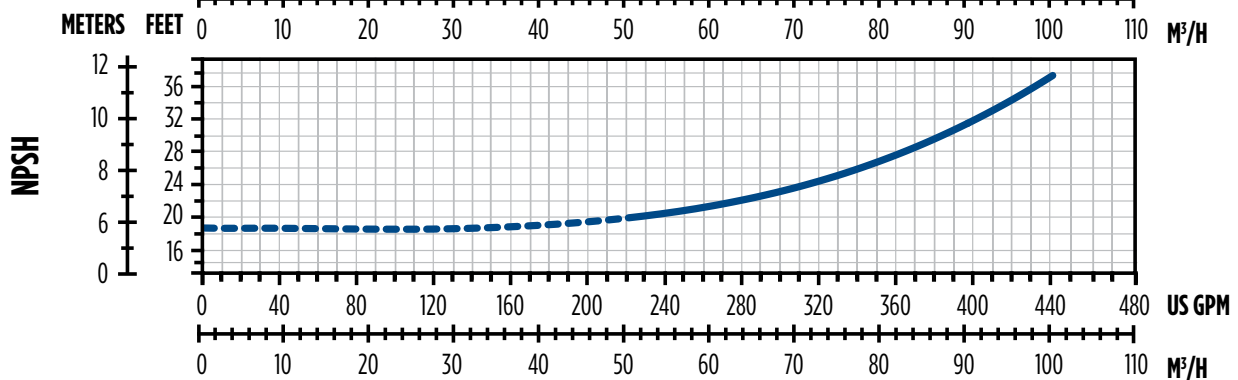
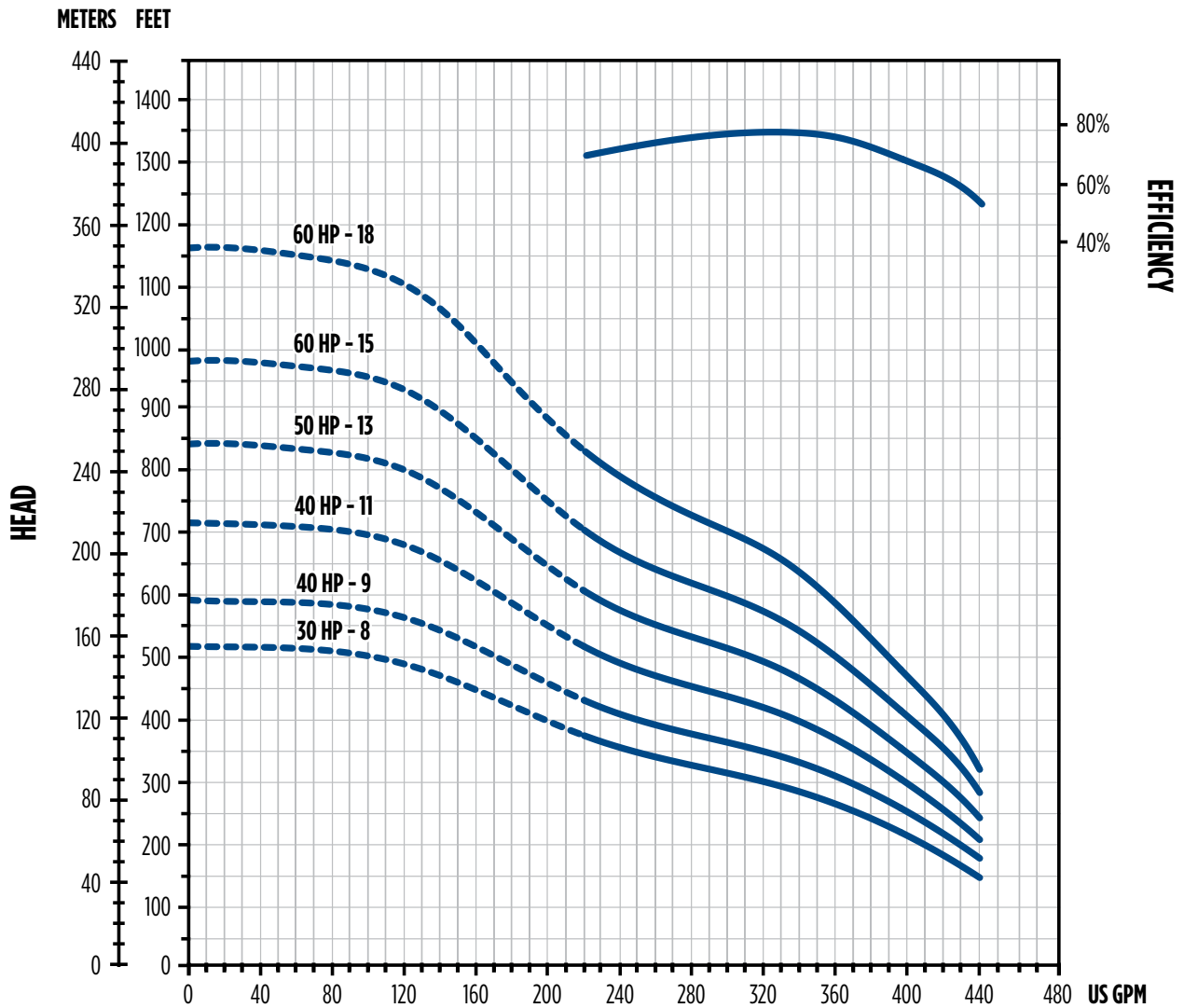
6" SSR SERIES



PERFORMANCE

325 GPM

Basic Model	PEI _{CL} Number
325SSR	0.91



Recommended Operating Range

SUBMERSIBLE PUMPS

6" SSR 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	15.0	23.4
7.5	8				18.5	30.9
10	11				22.1	35.3
15	13				24.5	38.6
15	15				26.7	42.1
15	17				29.2	45.2
20	19				31.5	48.5
20	22				35.1	52.9
25	24				37.4	56.2

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)	Wt. (lbs)
5	3	3 NPT	4*, 6	5.63	18.5	22.1
7.5	5				21.5	26.5
10	6				22.9	27.6
10	7				24.4	29.8
15	9				27.4	33.1
15	11				30.3	37.5
20	13				33.3	40.8
20	15				36.2	44.1
25	18				40.7	49.6
30	22				46.6	57.3

NOTE: D = Discharge, L = Pump Length

* 4" Motor adapter kit must be ordered separately (305354905).

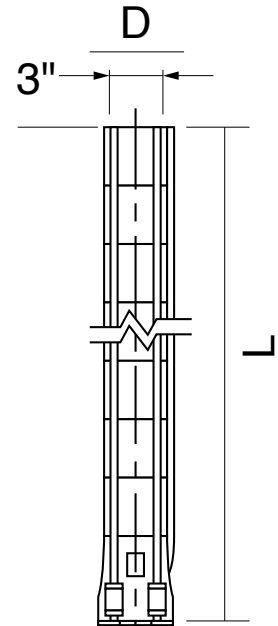
DIMENSIONS

150 GPM

HP	Stages	D (in)	Motor Size (in)	Diameter w/Cable Guard (in)	L (in)	Wt. (lbs)
7.5	3	3 NPT	4*, 6	5.63	19.9	25.4
10	4				21.7	27.6
15	5				23.5	29.8
15	7				27.2	34.2
20	9				30.8	38.6
25	11				34.5	43.0
30	14				40.0	49.6
40	19				49.2	59.5
50	23				56.5	68.3

NOTE: D = Discharge, L = Pump Length

* 4" Motor adapter kit must be ordered separately (305354905).



SUBMERSIBLE PUMPS

6" SSR SERIES

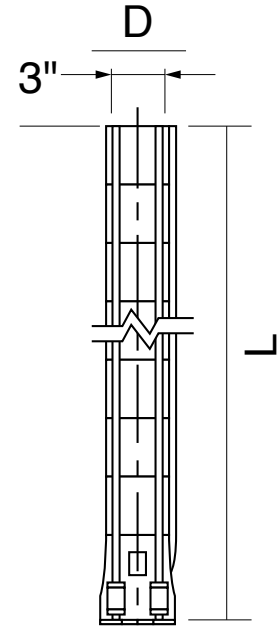


DIMENSIONS

175 GPM

HP	Stages	D (in)	Motor Size (in)	Dia. w/Cable Guard (in)	L (in)	Wt. (lbs)
7.5	3	3 NPT	6	5.63	24.1	32.4
10	4				27.8	37.0
15	6				34.5	46.3
20	8				41.2	56.0
25	10				48.0	64.8
30	12				54.7	74.1
40	14				61.4	83.3
40	16				68.1	92.6
50	18				74.9	101.6

Note: D = Discharge, L = Pump Length



DIMENSIONS

250 GPM

HP	Stages	D (in)	Motor Size (in)	Dia. w/Cable Guard (in)	L (in)	Wt. (lbs)
7.5	2	3 NPT	4*, 6	5.63	21.0	29.8
10	3				25.5	35.6
15	4				29.9	41.4
15	5				34.4	47.6
20	6				38.9	52.9
20	7				43.4	59.6
25	9				52.4	70.1
30	10				56.9	75.9
40	12				65.8	87.4
40	14				74.8	98.8
50	15				79.3	104.5
50	18				92.8	121.9
60	20				101.7	133.3
60	22				110.7	144.8

NOTE: D = Discharge, L = Pump Length

* 4" Motor adapter kit must be ordered separately (305354905).

DIMENSIONS

325 GPM

HP	Stages	D (in)	Motor Size (in)	Dia. w/Cable Guard (in)	L (in)	Wt. (lbs)
10	2	3 NPT	4*, 6	5.63	21.0	29.9
15	3				25.5	35.7
15	4				29.9	41.5
20	5				34.4	47.2
25	6				38.9	53.0
25	7				43.4	58.8
30	8				47.9	64.5
40	9				52.4	70.3
40	11				61.4	81.8
50	13				70.3	93.4
60	15				79.3	104.7
60	18				92.8	122.2

NOTE: D = Discharge, L = Pump Length

* 4" Motor adapter kit must be ordered separately (305354905).

SUBMERSIBLE PUMPS

6" SSR SERIES



MATERIALS

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

COMMON COMPONENTS

SSR KIT	DESCRIPTION
305604909	SSR 70 GPM Common Parts Kit
305604901	SSR 100 GPM Common Parts Kit
305604902	SSR 150 GPM Common Parts Kit
305604910	SSR 175 GPM Common Parts Kit
305604903	SSR 250 GPM Common Parts Kit
305604904	SSR 325 GPM Common Parts Kit

STAGE KITS

SSR KIT	DESCRIPTION
305604911	SSR 70 GPM Stage Kit
305604905	SSR 100 GPM Stage Kit
305604906	SSR 150 GPM Stage Kit
305604912	SSR 175 GPM Stage Kit
305604907	SSR 250 GPM Stage Kit
305604908	SSR 325 GPM Stage Kit

SUBMERSIBLE PUMPS

6" SSR SERIES



LENGTH SPECIFIC KITS

SSR KIT	DESCRIPTION
305605937	SSR - 70 Gpm, 5 Stage Length Specific Kit
305605938	SSR - 70 Gpm, 8 Stage Length Specific Kit
305605938	SSR - 70 Gpm, 11 Stage Length Specific Kit
305604940	SSR - 70 Gpm, 13 Stage Length Specific Kit
305605941	SSR - 70 Gpm, 15 Stage Length Specific Kit
305605942	SSR - 70 Gpm, 17 Stage Length Specific Kit
305605943	SSR - 70 Gpm, 19 Stage Length Specific Kit
305605944	SSR - 70 Gpm, 22 Stage Length Specific Kit
305605945	SSR - 70 Gpm, 24 Stage Length Specific Kit
305605901	SSR - 100 Gpm, 3 Stage Length Specific Kit
305605902	SSR - 100 Gpm, 5 Stage Length Specific Kit
305605903	SSR - 100 Gpm, 6 Stage Length Specific Kit
305605904	SSR - 100 Gpm, 7 Stage Length Specific Kit
305605905	SSR - 100 Gpm, 9 Stage Length Specific Kit
305605906	SSR - 100 Gpm, 11 Stage Length Specific Kit
305605907	SSR - 100 Gpm, 13 Stage Length Specific Kit
305605908	SSR - 100 Gpm, 15 Stage Length Specific Kit
305605909	SSR - 100 Gpm, 18 Stage Length Specific Kit
305605910	SSR - 100 Gpm, 22 Stage Length Specific Kit
305605911	SSR - 150 Gpm, 3 Stage Length Specific Kit
305605912	SSR - 150 Gpm, 4 Stage Length Specific Kit
305605913	SSR - 150 Gpm, 5 Stage Length Specific Kit
305605914	SSR - 150 Gpm, 7 Stage Length Specific Kit
305605915	SSR - 150 Gpm, 9 Stage Length Specific Kit
305605916	SSR - 150 Gpm, 11 Stage Length Specific Kit
305605917	SSR - 150 Gpm, 14 Stage Length Specific Kit
305605918	SSR - 150 Gpm, 19 Stage Length Specific Kit
305605919	SSR - 150 Gpm, 23 Stage Length Specific Kit
305605946	SSR - 175 Gpm, 3 Stage Length Specific Kit
305605947	SSR - 175 Gpm, 4 Stage Length Specific Kit
305605948	SSR - 175 Gpm, 6 Stage Length Specific Kit
305605949	SSR - 175 Gpm, 8 Stage Length Specific Kit
305605950	SSR - 175 Gpm, 10 Stage Length Specific Kit
305605951	SSR - 175 Gpm, 12 Stage Length Specific Kit
305605952	SSR - 175 Gpm, 14 Stage Length Specific Kit
305605953	SSR - 175 Gpm, 16 Stage Length Specific Kit
305605954	SSR - 175 Gpm, 18 Stage Length Specific Kit
305605920	SSR - 250/325 Gpm, 2 Stage Length Specific Kit
305605921	SSR - 250/325 Gpm, 3 Stage Length Specific Kit
305605922	SSR - 250/325 Gpm, 4 Stage Length Specific Kit
305605923	SSR - 250/325 Gpm, 5 Stage Length Specific Kit
305605924	SSR - 250/325 Gpm, 6 Stage Length Specific Kit
305605925	SSR - 250/325 Gpm, 7 Stage Length Specific Kit
305605934	SSR - 325 Gpm, 8 Stage Length Specific Kit
305605926	SSR - 250/325 Gpm, 9 Stage Length Specific Kit
305605927	SSR - 250 Gpm, 10 Stage Length Specific Kit
305605935	SSR - 325 Gpm, 11 Stage Length Specific Kit
305605928	SSR - 250 Gpm, 12 Stage Length Specific Kit
305605936	SSR - 325 Gpm, 13 Stage Length Specific Kit
305605929	SSR - 250 Gpm, 14 Stage Length Specific Kit
305605930	SSR - 250/325 Gpm, 15 Stage Length Specific Kit
305605931	SSR - 250/325 Gpm, 18 Stage Length Specific Kit
305605932	SSR - 250 Gpm, 20 Stage Length Specific Kit
305605933	SSR - 250 Gpm, 22 Stage Length Specific Kit

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ACCESSORIES

SSR KIT	DESCRIPTION
305607100	Tool Kit
305604913	De-Staging Spacer SSR 70/100
305604914	De-Staging Spacer SSR 150

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6" SSR SERIES





Franklin Electric