

Tiger Shark® Pumps

Summit ESP® – A Halliburton Service offers Floater Style multistage centrifugal pumps, constructed with a series of impellers and diffusers combined to create stages that are placed on the shaft and into a single housing. Our stages are offered in flow rates from 75 BFPD to 44,000 BFPD. Summit ESP impellers and diffusers are cast of a steel alloy with a high nickel content, which is ideal because of its resistance to wear, corrosion, and heat. To meet application requirements, we also offer floater designs built with industry-proven, Extended Range XRange® (XR) technology designed to provide down-thrust and radial protection for the pumps. This technology transfers the thrust load to the pump housing, thereby relieving wear issues on the stages. The proprietary XR design also eliminates the need to build pumps in compression, which ultimately transfers both hydraulic and shaft thrust onto a single thrust bearing in the seal.

Impeller flow paths can be of a radial flow or mixed flow design. Flow path selection is application dependent; radial flow designs can offer higher efficiencies at lower flow rates, while mixed flow designs can provide better gas handling capabilities and wider vane openings. Both radial flow and mixed flow designs are available with XR bearings.

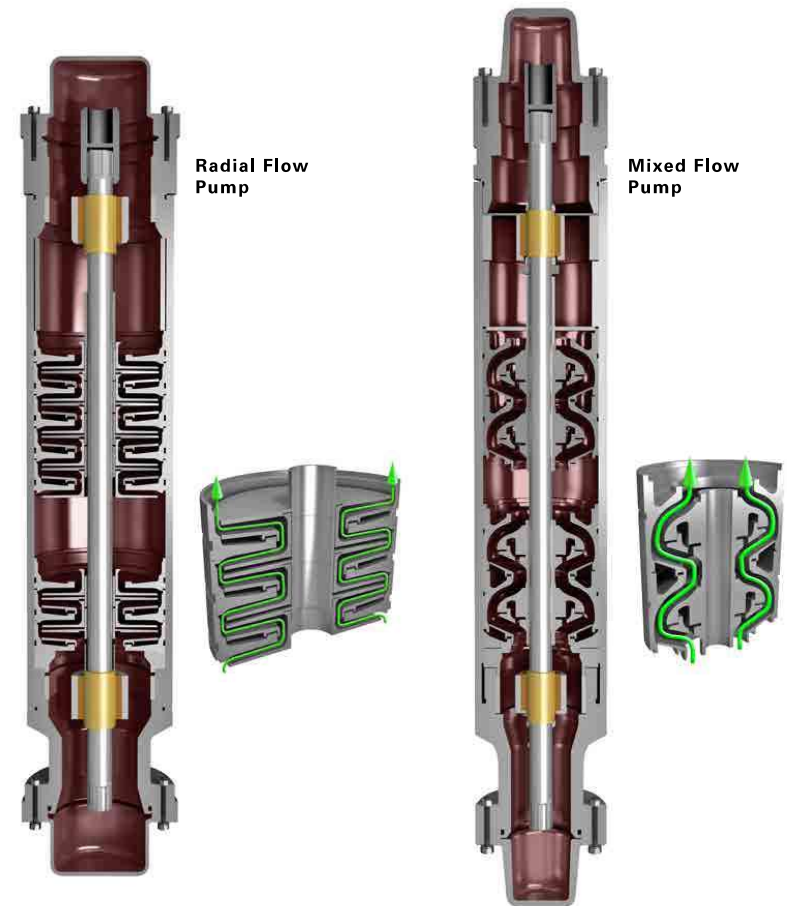
We offer a variety of pump shaft metallurgies to address horsepower requirements. Pump shafts are available in XM-19 stainless steel, Monel® alloy K-500 and Inconel® alloy 718 to handle the highest horsepower ratings. Standard housing metallurgy is a flame-sprayed carbon steel. Stainless steel housing is available upon request.

Monel® and Inconel® are registered trademarks of Special Metals Corporation.



To provide a superior technology for any application, Tiger Shark® pumps provide available features such as:

- » Floater-style construction
- » Tungsten carbide XR bearings
- » Flow rates of 75 BFPD to 44,000 BFPD
- » Clockwise rotation to prevent the need for lock plates or housing welds
- » High-nickel-content steel alloy stage construction
- » Tapered pump design for gas handling
- » Specially designed gas handling stages
- » Stage coatings for increased abrasion resistance



Artificial Lift

Pumps

SG-513 Series
Tiger Shark[®] Pumps

SG1200 Pump

Click on a button below to view more information

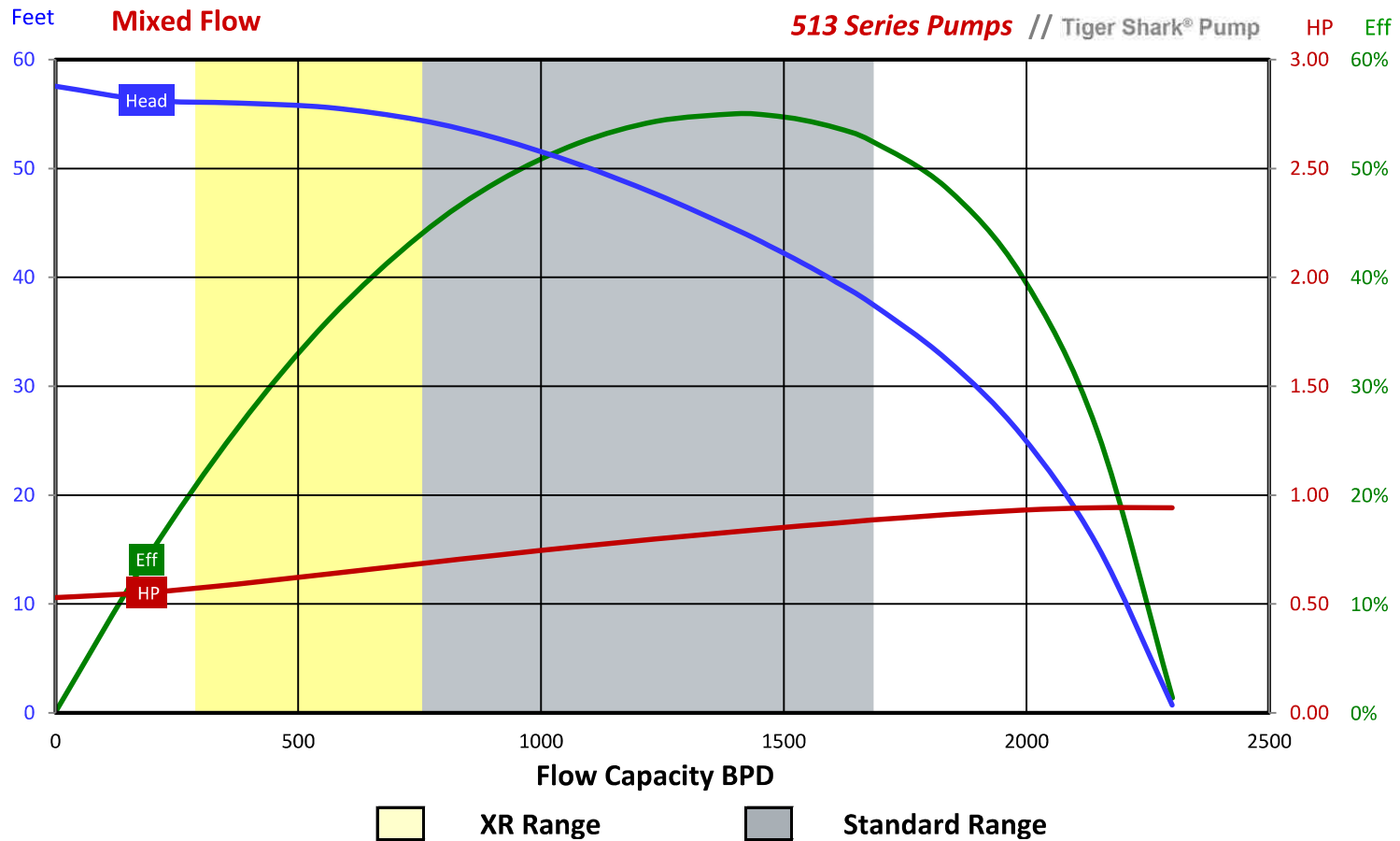
PUMP PERFORMANCE CURVE

S.G.1.0 | 1 Stage | 3,500 RPM | 60 Hz

[Performance Data](#)

[Engineering Data](#)

[Dimensions](#)



SG1200 Pump

Click on a button below to view more information

ENGINEERING DATA

Performance Data

Engineering Data

Dimensions

XR operating range	293–1,679 BPD
BEP flow rate	1,399 BPD
Housing diameter	5.13 inch
Minimum casing size	6.625 inch
Shaft diameter	0.875 inch
Shaft area	0.6013 sq. inch
Standard shaft limit	285 HP
High-strength shaft limit	467 HP

Floater operating range	750–1,679 BPD
Fluid specific gravity	1
Rotation	CW
Standard housing pressure limit	5,000 PSI
High-pressure housing limit	6,000 PSI
Standard pump construction	Floater
Optional pump construction	XR
Stage geometry	Mixed

SG1200 Pump

PUMP DIMENSIONS

Click on a button below to view more information

Performance Data

Engineering Data

Dimensions

Housing	Stages	Length		Weight	
		ft	m	lb	kg
1	6	2.1	0.6	78	35
2	14	3.5	1.1	145	66
3	22	4.9	1.5	213	97
4	30	6.3	1.9	272	123
5	37	7.7	2.3	340	154
6	45	9.1	2.8	407	185
7	53	10.5	3.2	467	212
8	61	11.9	3.6	535	243
9	69	13.3	4.1	602	273
10	77	14.7	4.5	662	300
11	85	16.1	4.9	730	331
12	93	17.5	5.3	789	358
13	101	18.9	5.8	857	389
14	108	20.3	6.2	924	419
15	116	21.7	6.6	984	446

SG1700 Pump

Click on a button below to view more information

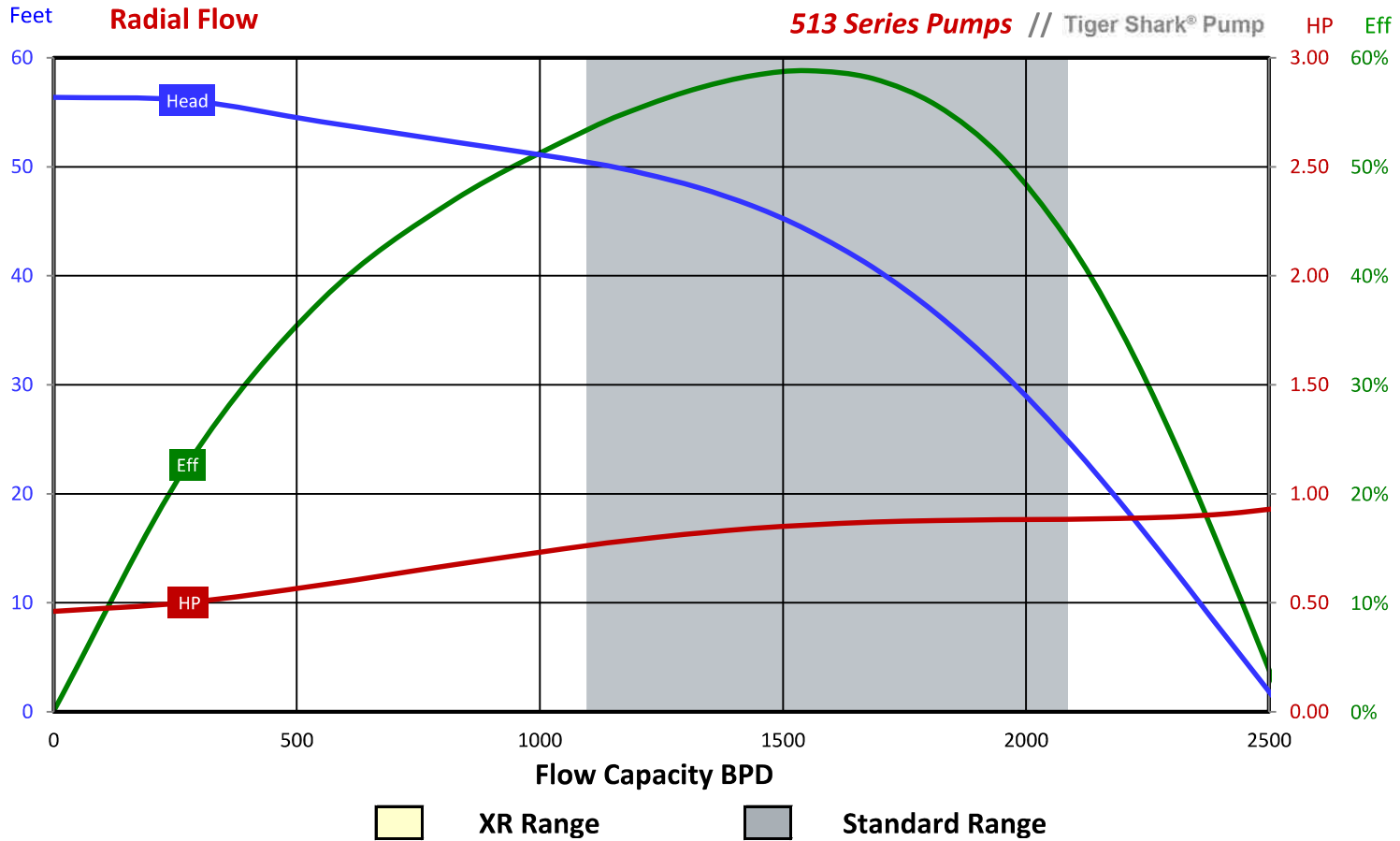
PUMP PERFORMANCE CURVE

S.G.1.0 | 1 Stage | 3,500 RPM | 60 Hz

Performance Data

Engineering Data

Dimensions



SG1700 Pump

Click on a button below to view more information

ENGINEERING DATA

Performance Data

Engineering Data

Dimensions

XR operating range	N/A
BEP flow rate	1,552 BPD
Housing diameter	5.13 inch
Minimum casing size	6.625 inch
Shaft diameter	0.875 inch
Shaft area	0.6013 sq. inch
Standard shaft limit	285HP
High-strength shaft limit	467HP

Floater operating range	1,100–2,080 BPD
Fluid specific gravity	1
Rotation	CW
Standard housing pressure limit	5,000 PSI
High-pressure housing limit	6,000 PSI
Standard pump construction	Floater
Optional pump construction	N/A
Stage geometry	Radial

SG1700 Pump

PUMP DIMENSIONS

Click on a button below to view more information

Performance Data

Engineering Data

Dimensions

Housing	Stages	Length		Weight	
		ft	m	lb	kg
1	12	2.1	0.6	78	35
2	28	3.5	1.1	145	66
3	43	4.9	1.5	213	97
4	59	6.3	1.9	272	123
5	74	7.7	2.3	340	154
6	90	9.1	2.8	407	185
7	105	10.5	3.2	467	212
8	121	11.9	3.6	535	243
9	137	13.3	4.1	602	273
10	152	14.7	4.5	662	300
11	168	16.1	4.9	730	331
12	183	17.5	5.3	789	358
13	199	18.9	5.8	857	389
14	214	20.3	6.2	924	419
15	230	21.7	6.6	984	446

SG2000 Pump

Click on a button below to view more information

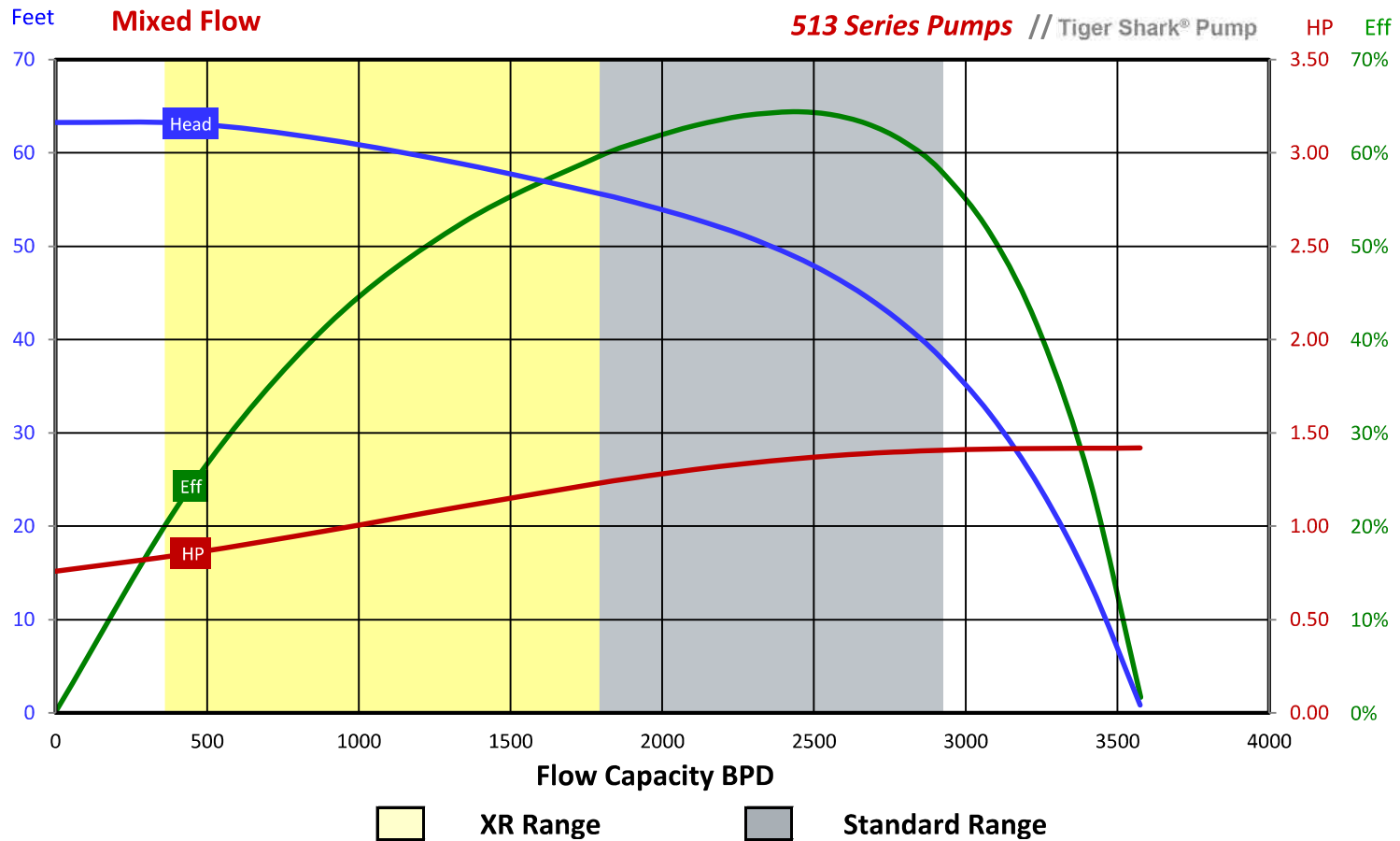
PUMP PERFORMANCE CURVE

S.G.1.0 | 1 Stage | 3,500 RPM | 60 Hz

Performance Data

Engineering Data

Dimensions



SG2000 Pump

Click on a button below to view more information

ENGINEERING DATA

Performance Data

Engineering Data

Dimensions

XR operating range	368–2,916 BPD
BEP flow rate	2,430 BPD
Housing diameter	5.13 inch
Minimum casing size	6.625inch
Shaft diameter	0.875 inch
Shaft area	0.6013 sq. inch
Standard shaft limit	285HP
High-strength shaft limit	467 HP

Floater operating range	1,785–2,916 BPD
Fluid specific gravity	1
Rotation	CW
Standard housing pressure limit	5,000 PSI
High-pressure housing limit	6,000 PSI
Standard pump construction	Floater
Optional pump construction	XR
Stage geometry	Mixed

SG2000 Pump

PUMP DIMENSIONS

Click on a button below to view more information

Performance Data

Engineering Data

Dimensions

Housing	Stages	Length		Weight	
		ft	m	lb	kg
1	6	2.1	0.6	78	35
2	13	3.5	1.1	145	66
3	21	4.9	1.5	213	97
4	28	6.3	1.9	272	123
5	36	7.7	2.3	340	154
6	43	9.1	2.8	407	185
7	51	10.5	3.2	467	212
8	58	11.9	3.6	535	243
9	66	13.3	4.1	602	273
10	74	14.7	4.5	662	300
11	81	16.1	4.9	730	331
12	89	17.5	5.3	789	358
13	96	18.9	5.8	857	389
14	104	20.3	6.2	924	419
15	111	21.7	6.6	984	446

SG2200 Pump

Click on a button below to view more information

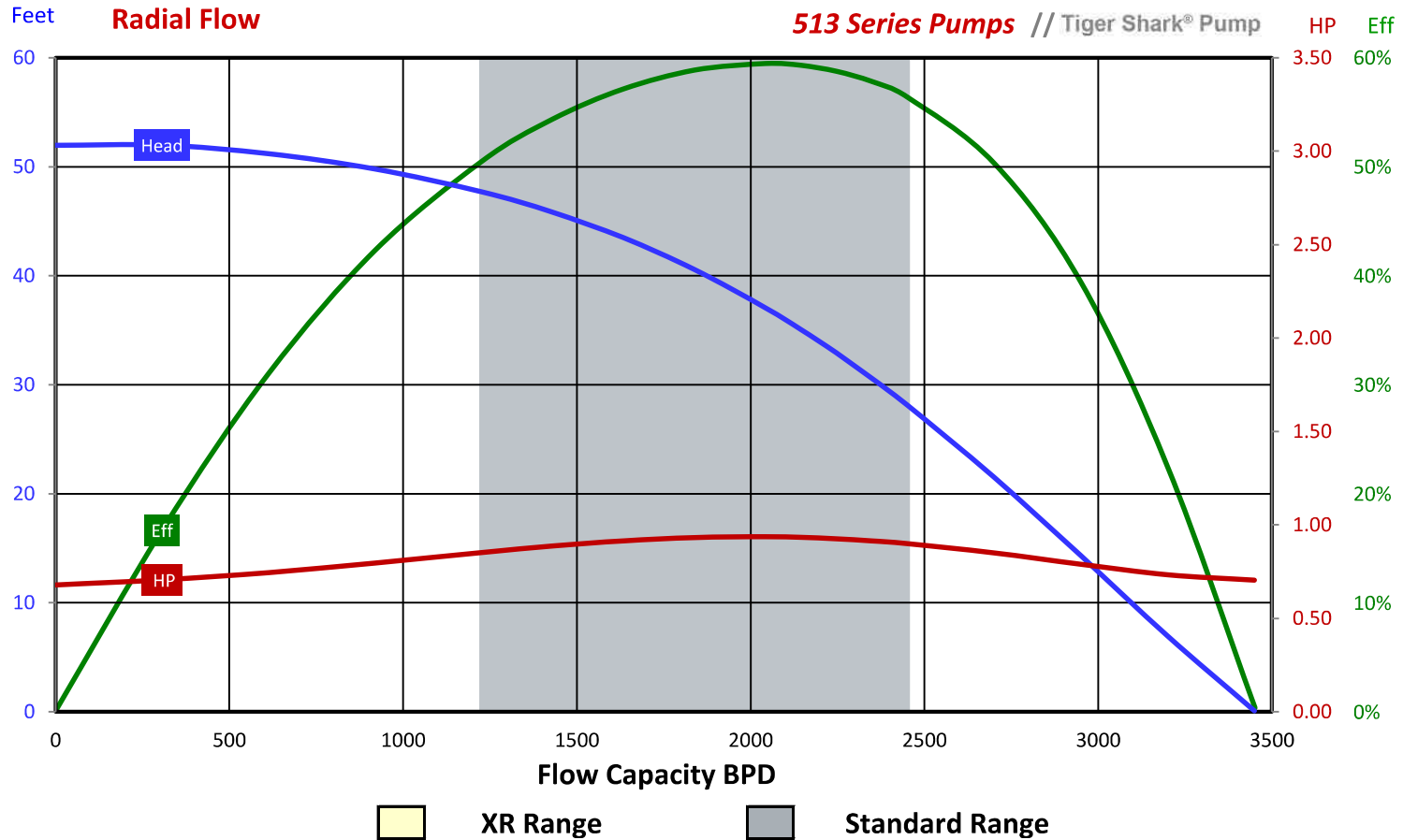
[Performance Data](#)

[Engineering Data](#)

[Dimensions](#)

PUMP PERFORMANCE CURVE

S.G.1.0 | 1 Stage | 3,500 RPM | 60 Hz



SG2200 Pump

ENGINEERING DATA

Click on a button below to view more information

Performance Data

Engineering Data

Dimensions

XR operating range	N/A
BEP flow rate	2,042 BPD
Housing diameter	5.13 inch
Minimum casing size	6.625 inch
Shaft diameter	0.875 inch
Shaft area	0.6013 sq. inch
Standard shaft limit	285 HP
High-strength shaft limit	467 HP

Floater operating range	1,225–2,450 BPD
Fluid specific gravity	1
Rotation	CW
Standard housing pressure limit	5,000 PSI
High-pressure housing limit	6,000 PSI
Standard pump construction	Floater
Optional pump construction	N/A
Stage geometry	Radial

SG2200 Pump

PUMP DIMENSIONS

Click on a button below to view more information

Performance Data

Engineering Data

Dimensions

Housing	Stages	Length		Weight	
		ft	m	lb	kg
1	9	2.1	0.6	78	35
2	21	3.5	1.1	145	66
3	34	4.9	1.5	213	97
4	46	6.3	1.9	272	123
5	58	7.7	2.3	340	154
6	70	9.1	2.8	407	185
7	83	10.5	3.2	467	212
8	95	11.9	3.6	535	243
9	107	13.3	4.1	602	273
10	119	14.7	4.5	662	300
11	132	16.1	4.9	730	331
12	144	17.5	5.3	789	358
13	156	18.9	5.8	857	389
14	169	20.3	6.2	924	419
15	181	21.7	6.6	984	446

SG2700 Pump

Click on a button below to view more information

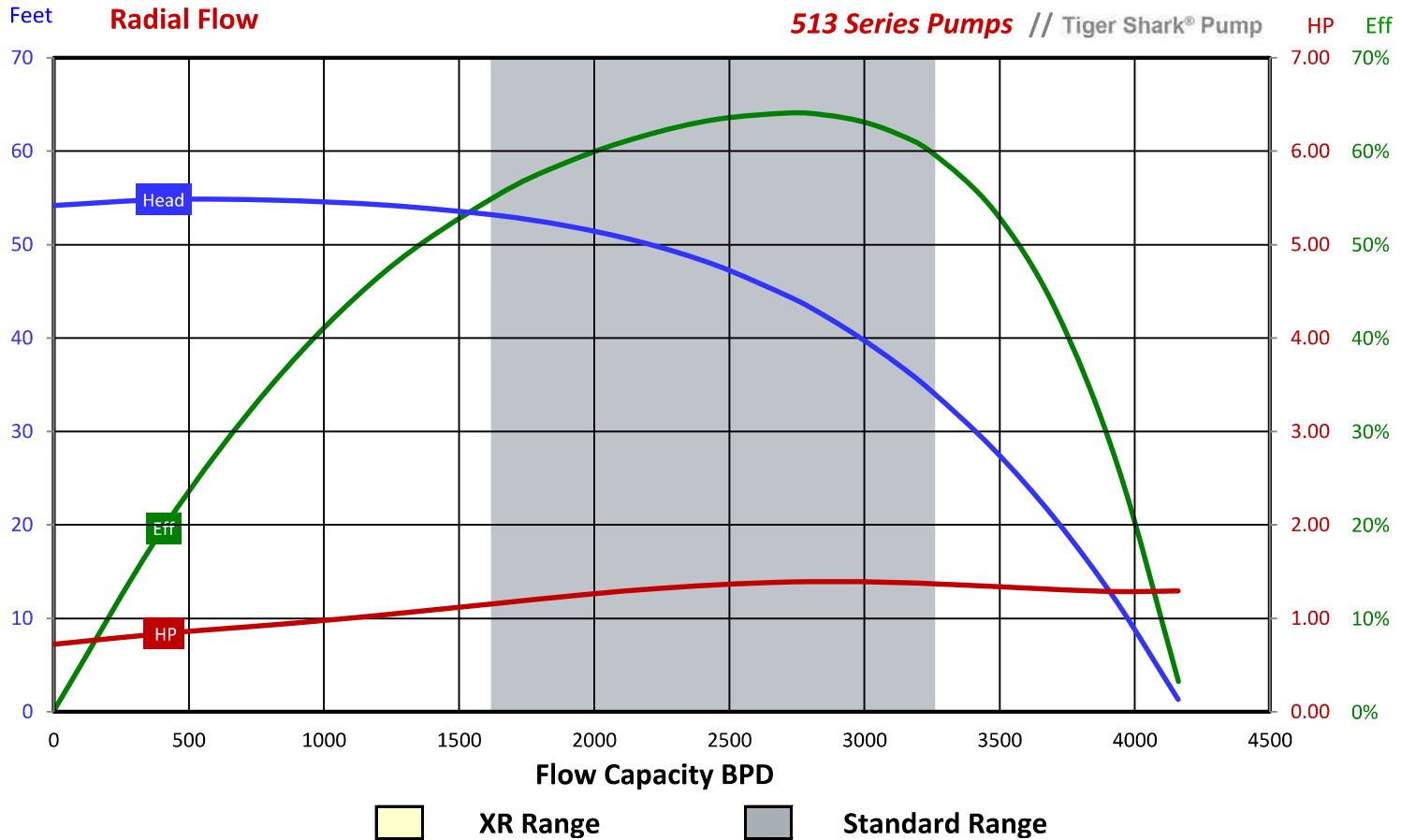
PUMP PERFORMANCE CURVE

S.G.1.0 | 1 Stage | 3,500 RPM | 60 Hz

Performance Data

Engineering Data

Dimensions



SG2700 Pump

Click on a button below to view more information

ENGINEERING DATA

Performance Data

Engineering Data

Dimensions

XR operating range	N/A
BEP flow rate	2,720 BPD
Housing diameter	5.13 inch
Minimum casing size	6.625 inch
Shaft diameter	0.875 inch
Shaft area	0.6013 sq. inch
Standard shaft limit	285 HP
High-strength shaft limit	467 HP

Floater operating range	1,625–3,250 BPD
Fluid specific gravity	1
Rotation	CW
Standard housing pressure limit	5,000 PSI
High-pressure housing limit	6,000 PSI
Standard pump construction	Floater
Optional pump construction	N/A
Stage geometry	Radial

SG2700 Pump

PUMP DIMENSIONS

Click on a button below to view more information

Performance Data

Engineering Data

Dimensions

Housing	Stages	Length		Weight	
		ft	m	lb	kg
1	9	2.1	0.6	78	35
2	21	3.5	1.1	145	66
3	34	4.9	1.5	213	97
4	46	6.3	1.9	272	123
5	58	7.7	2.3	340	154
6	70	9.1	2.8	407	185
7	83	10.5	3.2	467	212
8	95	11.9	3.6	535	243
9	107	13.3	4.1	602	273
10	119	14.7	4.5	662	300
11	132	16.1	4.9	730	331
12	144	17.5	5.3	789	358
13	156	18.9	5.8	857	389
14	168	20.3	6.2	924	419
15	181	21.7	6.6	984	446

SG3400 Pump

Click on a button below to view more information

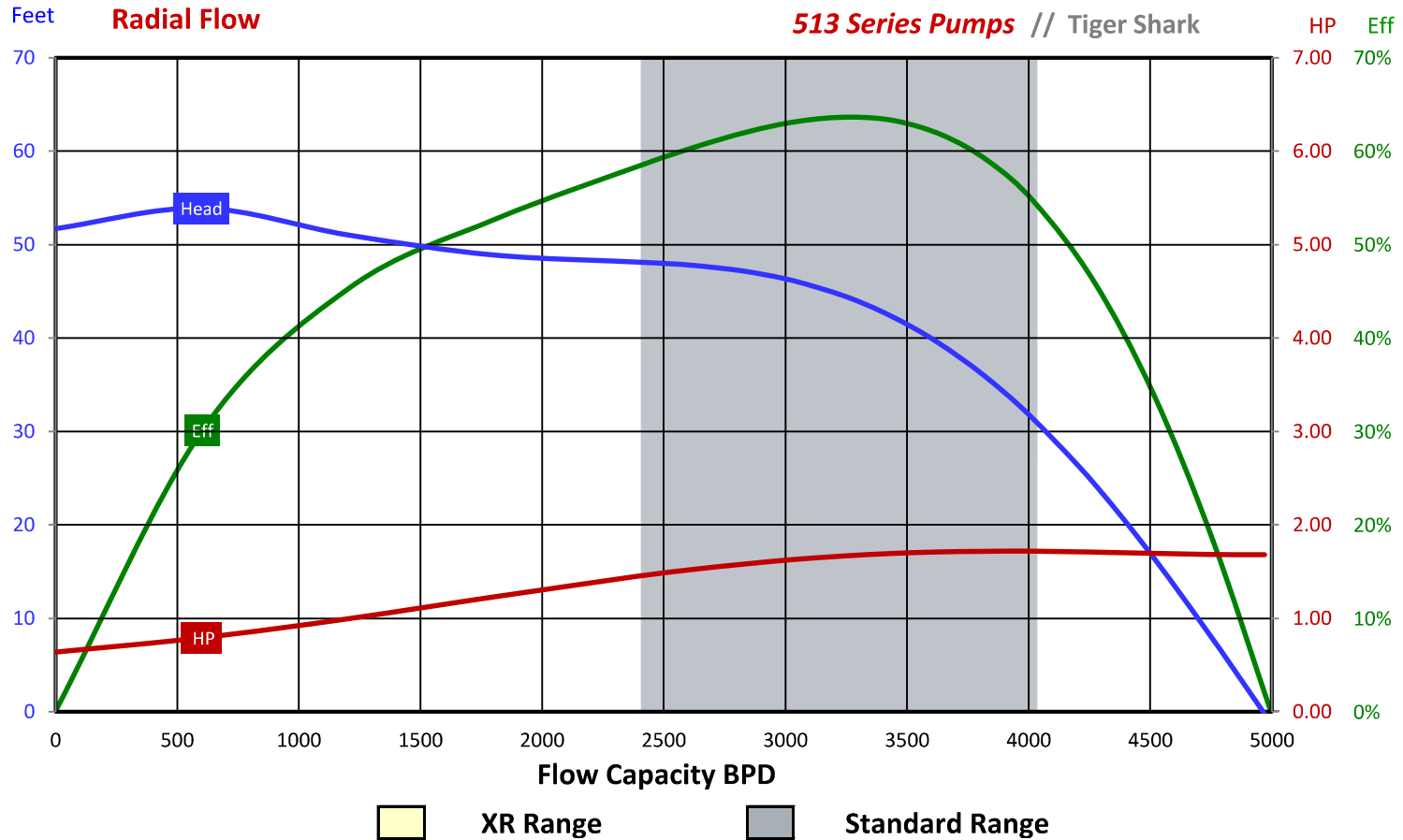
PUMP PERFORMANCE CURVE

S.G.1.0 | 1 Stage | 3,500 RPM | 60 Hz

[Performance Data](#)

[Engineering Data](#)

[Dimensions](#)



SG3400 Pump

Click on a button below to view more information

ENGINEERING DATA

Performance Data

Engineering Data

Dimensions

XR operating range	N/A
BEP flow rate	3,369 BPD
Housing diameter	5.13 inch
Minimum casing size	6.625 inch
Shaft diameter	0.875 inch
Shaft area	0.6013 sq. inch
Standard shaft limit	285 HP
High-strength shaft limit	467 HP

Floater operating range	1,950–4,000 BPD
Fluid specific gravity	1
Rotation	CW
Standard housing pressure limit	5,000 PSI
High-pressure housing limit	6,000 PSI
Standard pump construction	Floater
Optional pump construction	N/A
Stage geometry	Radial

SG3400 Pump

PUMP DIMENSIONS

Click on a button below to view more information

Performance Data

Engineering Data

Dimensions

Housing	Stages	Length		Weight	
		ft	m	lb	kg
1	7	2.1	0.6	78	35
2	16	3.5	1.1	145	66
3	25	4.9	1.5	213	97
4	35	6.3	1.9	272	123
5	44	7.7	2.3	340	154
6	53	9.1	2.8	407	185
7	63	10.5	3.2	467	212
8	72	11.9	3.6	535	243
9	82	13.3	4.1	602	273
10	91	14.7	4.5	662	300
11	100	16.1	4.9	730	331
12	110	17.5	5.3	789	358
13	119	18.9	5.8	857	389
14	128	20.3	6.2	924	419
15	138	21.7	6.6	984	446

SG4000 Pump

Click on a button below to view more information

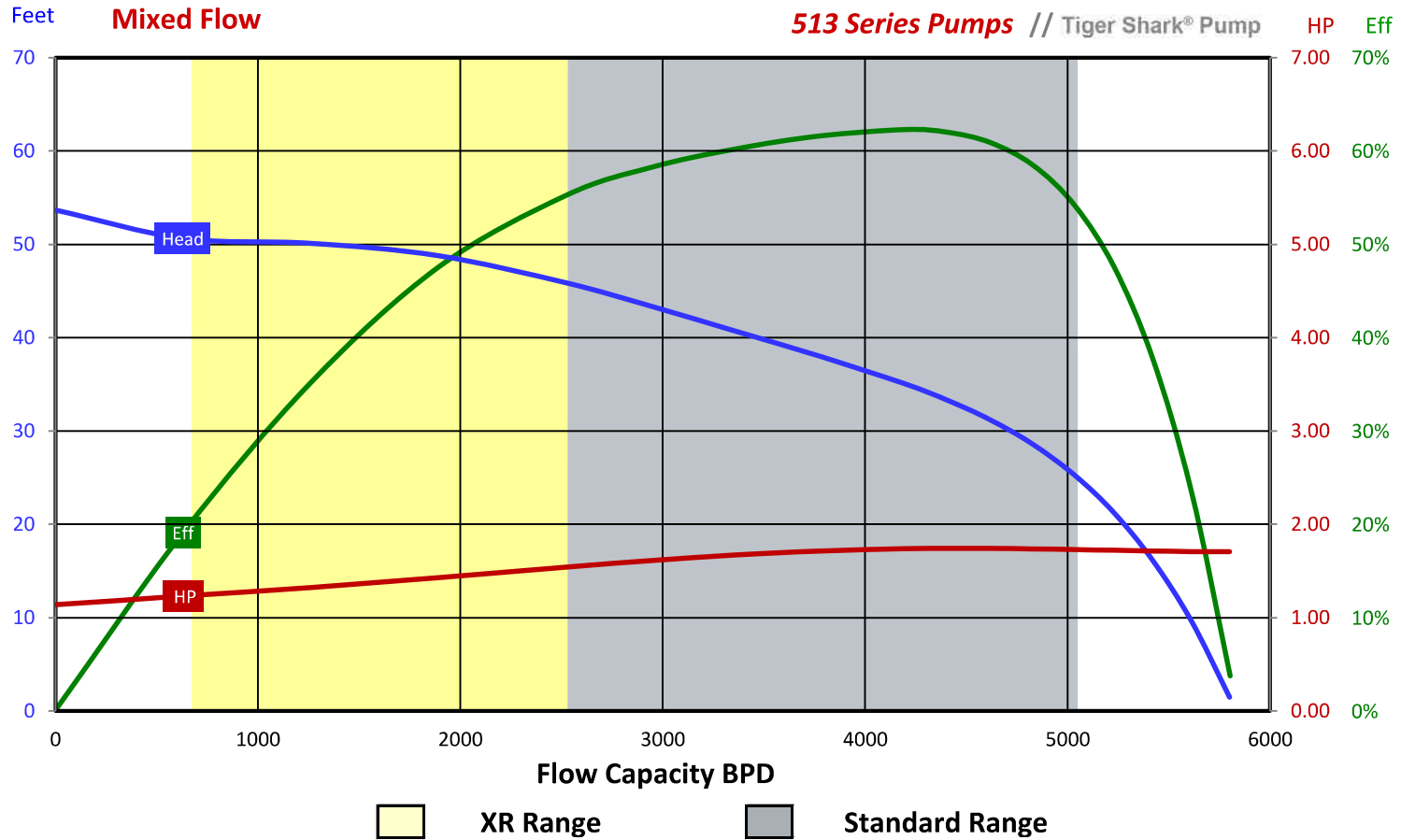
[Performance Data](#)

[Engineering Data](#)

[Dimensions](#)

PUMP PERFORMANCE CURVE

S.G.1.0 | 1 Stage | 3,500 RPM | 60 Hz



SG4000 Pump

Click on a button below to view more information

ENGINEERING DATA

Performance Data

Engineering Data

Dimensions

XR operating range	683–5,035 BPD
BEP flow rate	4,196 BPD
Housing diameter	5.13 inch
Minimum casing size	6.625 inch
Shaft diameter	1 inch
Shaft area	0.7854 sq. inch
Standard shaft limit	409 HP
High-strength shaft limit	671 HP

Floater operating range	2,518–5,035 BPD
Fluid specific gravity	1
Rotation	CW
Standard housing pressure limit	5,000 PSI
High-pressure housing limit	6,000 PSI
Standard pump construction	Floater
Optional pump construction	XR
Stage geometry	Mixed

SG4000 Pump

PUMP DIMENSIONS

Click on a button below to view more information

Performance Data

Engineering Data

Dimensions

Housing	Stages	Length		Weight	
		ft	m	lb	kg
1	5	2.1	0.6	78	35
2	12	3.5	1.1	145	66
3	19	4.9	1.5	213	97
4	25	6.3	1.9	272	123
5	32	7.7	2.3	340	154
6	39	9.1	2.8	407	185
7	46	10.5	3.2	467	212
8	52	11.9	3.6	535	243
9	59	13.3	4.1	602	273
10	66	14.7	4.5	662	300
11	73	16.1	4.9	730	331
12	79	17.5	5.3	789	358
13	86	18.9	5.8	857	389
14	93	20.3	6.2	924	419
15	100	21.7	6.6	984	446

SG5500 Pump

Click on a button below to view more information

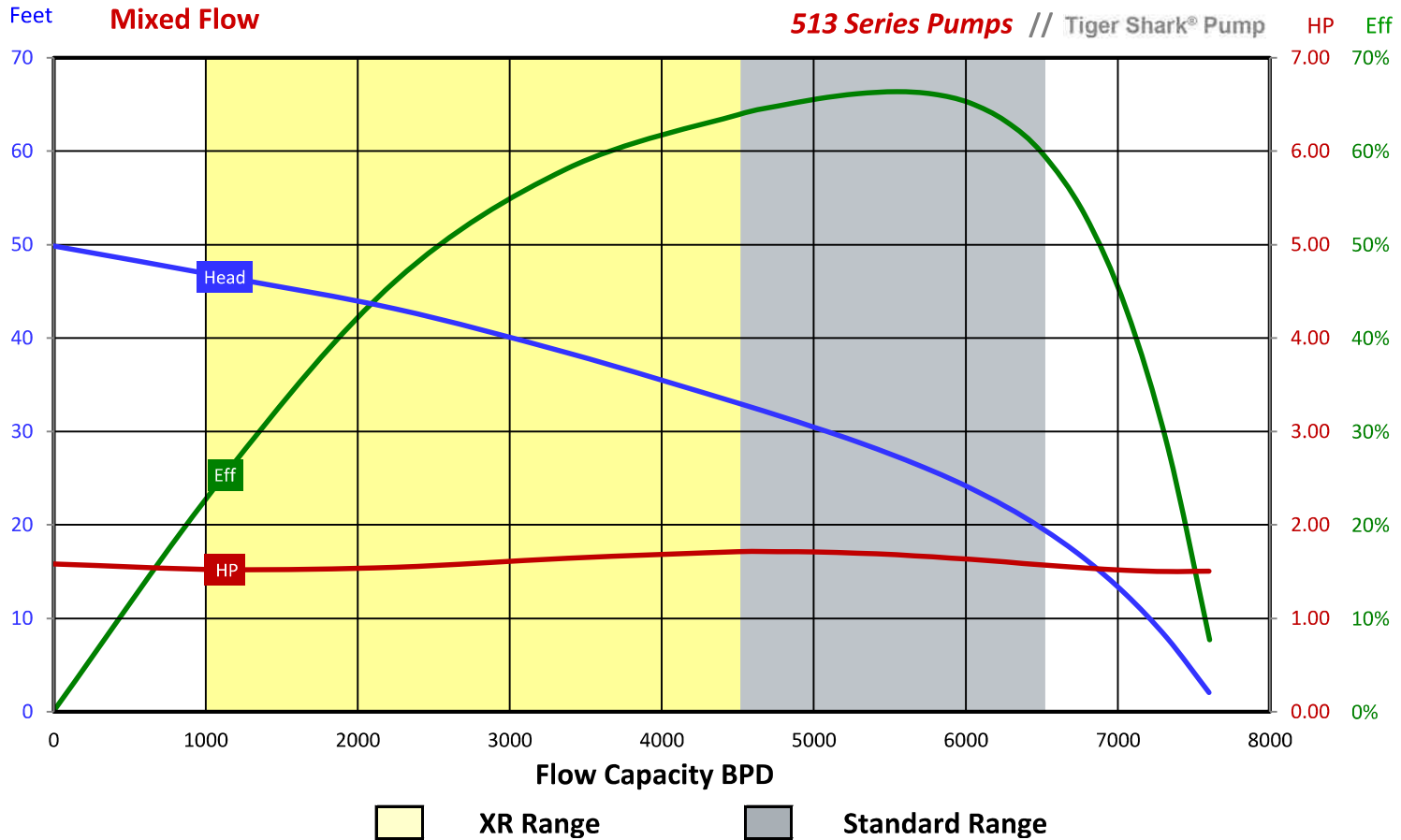
PUMP PERFORMANCE CURVE

S.G.1.0 | 1 Stage | 3,500 RPM | 60 Hz

Performance Data

Engineering Data

Dimensions



SG5500 Pump

Click on a button below to view more information

ENGINEERING DATA

Performance Data

Engineering Data

Dimensions

XR operating range	1,018–6,500 BPD
BEP flow rate	5,542 BPD
Housing diameter	5.13 inch
Minimum casing size	6.625 inch
Shaft diameter	1 inch
Shaft area	0.7854 sq. inch
Standard shaft limit	409 HP
High-strength shaft limit	671 HP

Floater operating range	4,500–6,500 BPD
Fluid specific gravity	1
Rotation	CW
Standard housing pressure limit	5,000 PSI
High-pressure housing limit	6,000 PSI
Standard pump construction	Floater
Optional pump construction	XR
Stage geometry	Mixed

SG5500 Pump

PUMP DIMENSIONS

Click on a button below to view more information

Performance Data

Engineering Data

Dimensions

Housing	Stages	Length		Weight	
		ft	m	lb	kg
1	3	2.1	0.6	78	35
2	8	3.5	1.1	145	66
3	12	4.9	1.5	213	97
4	17	6.3	1.9	272	123
5	22	7.7	2.3	340	154
6	26	9.1	2.8	407	185
7	31	10.5	3.2	467	212
8	36	11.9	3.6	535	243
9	40	13.3	4.1	602	273
10	45	14.7	4.5	662	300
11	50	16.1	4.9	730	331
12	54	17.5	5.3	789	358
13	59	18.9	5.8	857	389
14	64	20.3	6.2	924	419
15	68	21.7	6.6	984	446

SG7300 Pump

Click on a button below to view more information

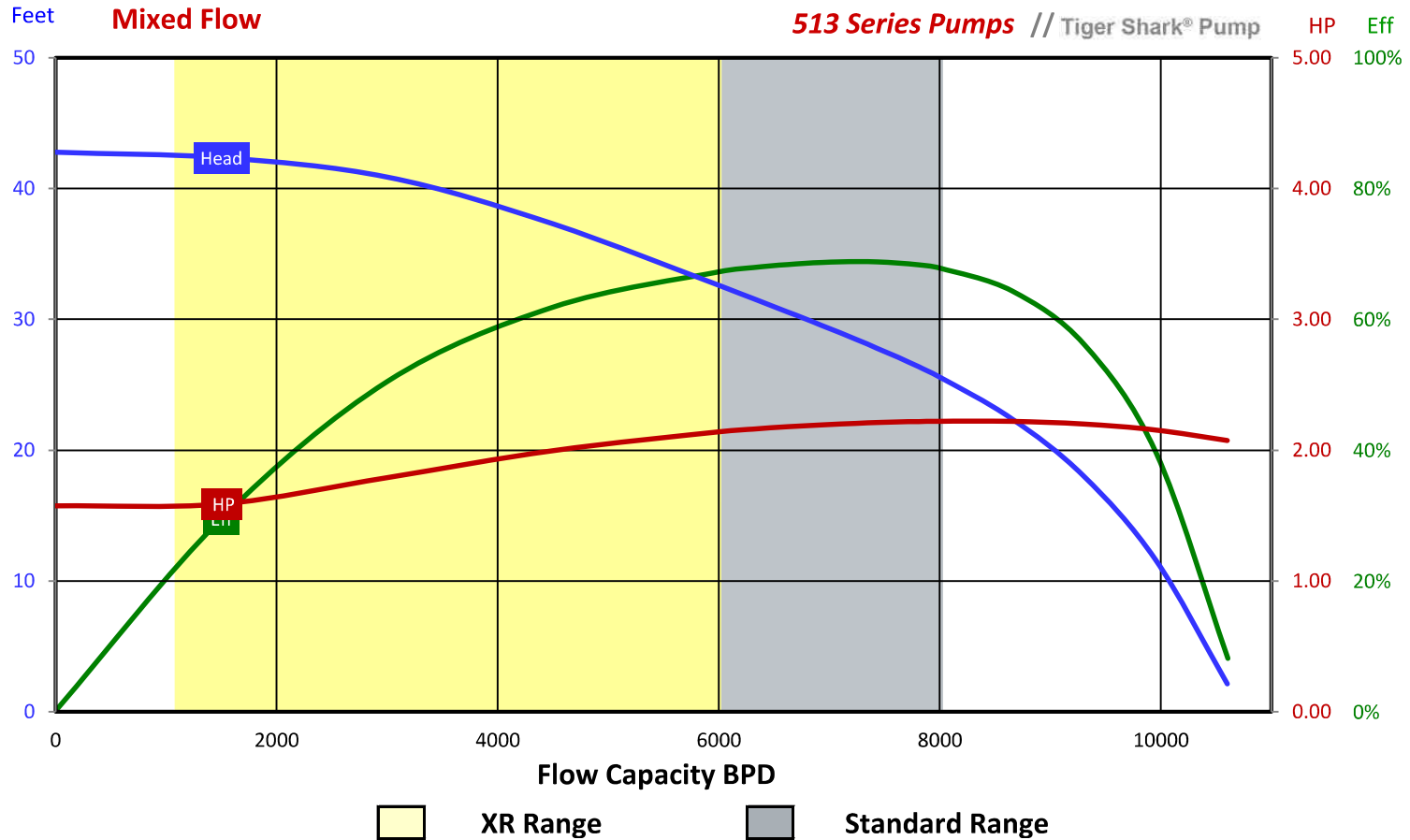
PUMP PERFORMANCE CURVE

S.G.1.0 | 1 Stage | 3,500 RPM | 60 Hz

Performance Data

Engineering Data

Dimensions



SG7300 Pump

Click on a button below to view more information

ENGINEERING DATA

Performance Data

Engineering Data

Dimensions

XR operating range	1,099–8,000 BPD
BEP flow rate	7,240 BPD
Housing diameter	5.13 inch
Minimum casing size	6.625 inch
Shaft diameter	1 inch
Shaft area	0.7854 sq. inch
Standard shaft limit	409 HP
High-strength shaft limit	671 HP

Floater operating range	6,000–8,000 BPD
Fluid specific gravity	1
Rotation	CW
Standard housing pressure limit	5,000 PSI
High-pressure housing limit	6,000 PSI
Standard pump construction	Floater
Optional pump construction	XR
Stage geometry	Mixed

SG7300 Pump

PUMP DIMENSIONS

Click on a button below to view more information

Performance Data

Engineering Data

Dimensions

Housing	Stages	Length		Weight	
		ft	m	lb	kg
1	3	2.1	0.6	78	35
2	8	3.5	1.1	145	66
3	12	4.9	1.5	213	97
4	17	6.3	1.9	272	123
5	22	7.7	2.3	340	154
6	26	9.1	2.8	407	185
7	31	10.5	3.2	467	212
8	36	11.9	3.6	535	243
9	40	13.3	4.1	602	273
10	45	14.7	4.5	662	300
11	50	16.1	4.9	730	331
12	54	17.5	5.3	789	358
13	59	18.9	5.8	857	389
14	64	20.3	6.2	924	419
15	68	21.7	6.6	984	446

SG12000 Pump

Click on a button below to view more information

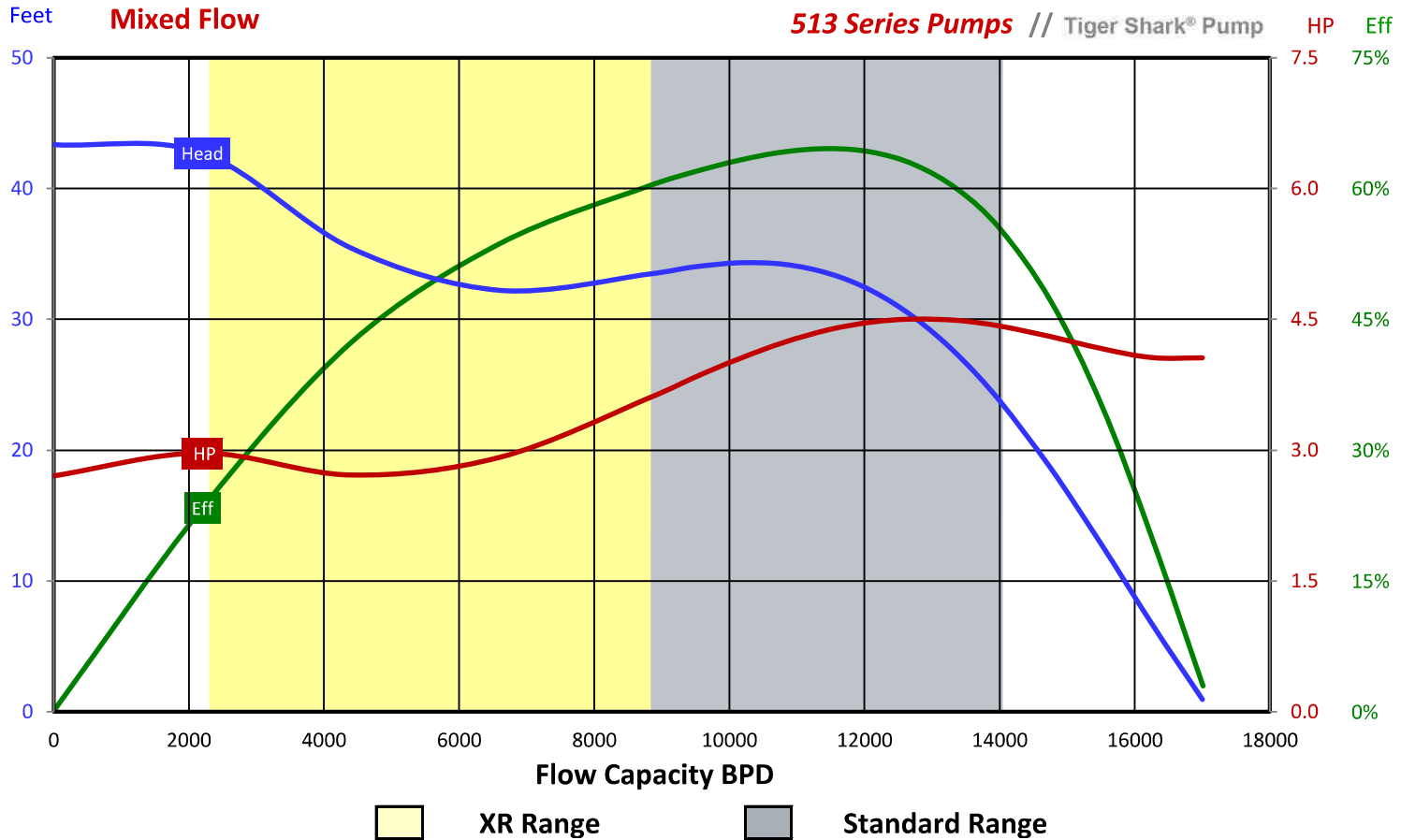
PUMP PERFORMANCE CURVE

S.G.1.0 | 1 Stage | 3,500 RPM | 60 Hz

[Performance Data](#)

[Engineering Data](#)

[Dimensions](#)



SG12000 Pump

Click on a button below to view more information

Performance Data

Engineering Data

Dimensions

ENGINEERING DATA

XR operating range	2,334–14,000 BPD
BEP flow rate	11,473 BPD
Housing diameter	5.13 inch
Minimum casing size	6.625 inch
Shaft diameter	1.187 inch
Shaft area	1.1066 sq. inch
Standard shaft limit	720 HP
High-strength shaft limit	1,180 HP

Floater operating range	8,800–14,000 BPD
Fluid specific gravity	1
Rotation	CW
Standard housing pressure limit	5,000 PSI
High-pressure housing limit	6,000 PSI
Standard pump construction	Floater
Optional pump construction	XR
Stage geometry	Mixed

SG12000 Pump

PUMP DIMENSIONS

Click on a button below to view more information

Performance Data

Engineering Data

Dimensions

Housing	Stages	Length		Weight	
		ft	m	lb	kg
1	3	2.1	0.6	78	35
2	7	3.5	1.1	145	66
3	11	4.9	1.5	213	97
4	15	6.3	1.9	272	123
5	19	7.7	2.3	340	154
6	23	9.1	2.8	407	185
7	27	10.5	3.2	467	212
8	31	11.9	3.6	535	243
9	35	13.3	4.1	602	273
10	39	14.7	4.5	662	300
11	42	16.1	4.9	730	331
12	46	17.5	5.3	789	358
13	50	18.9	5.8	857	389
14	54	20.3	6.2	924	419
15	58	21.7	6.6	984	446