

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.

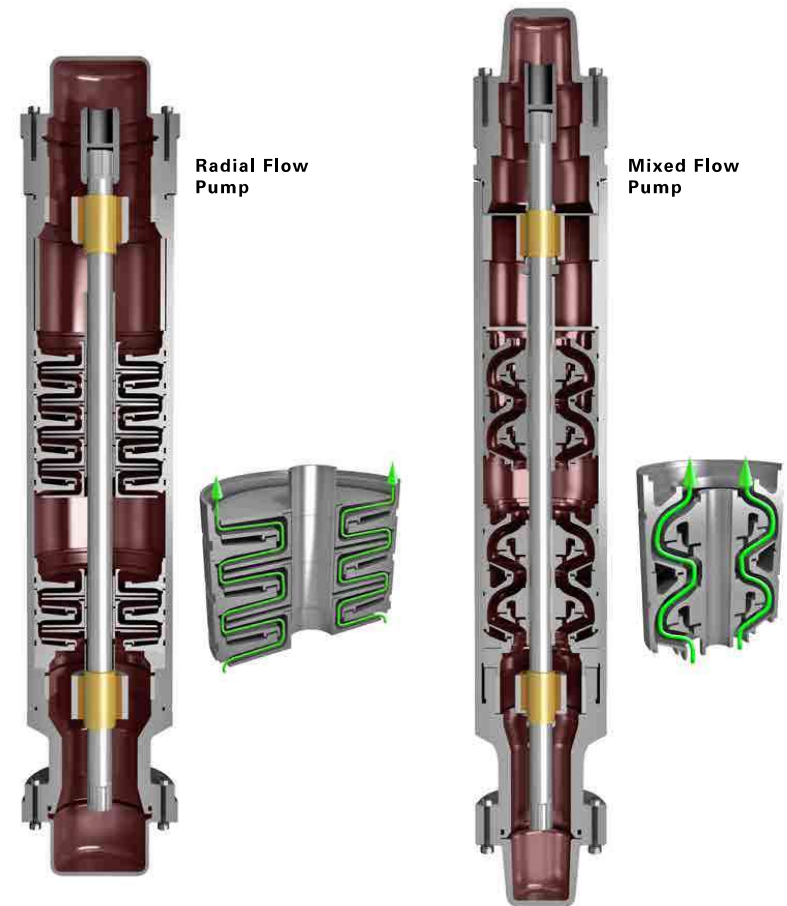
We offer a variety of pump shaft metallurgies to address horsepower requirements. Pump shafts are available in XM-19 stainless steel, Monel® alloy K-500 and Inconel® alloy 718 to handle the highest horsepower ratings. Standard housing metallurgy is a flame-sprayed carbon steel. Stainless steel housing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

SJ-538 Series
Tiger Shark[®] Pumps

SJ1700 Pump

Click on a button below to view more information

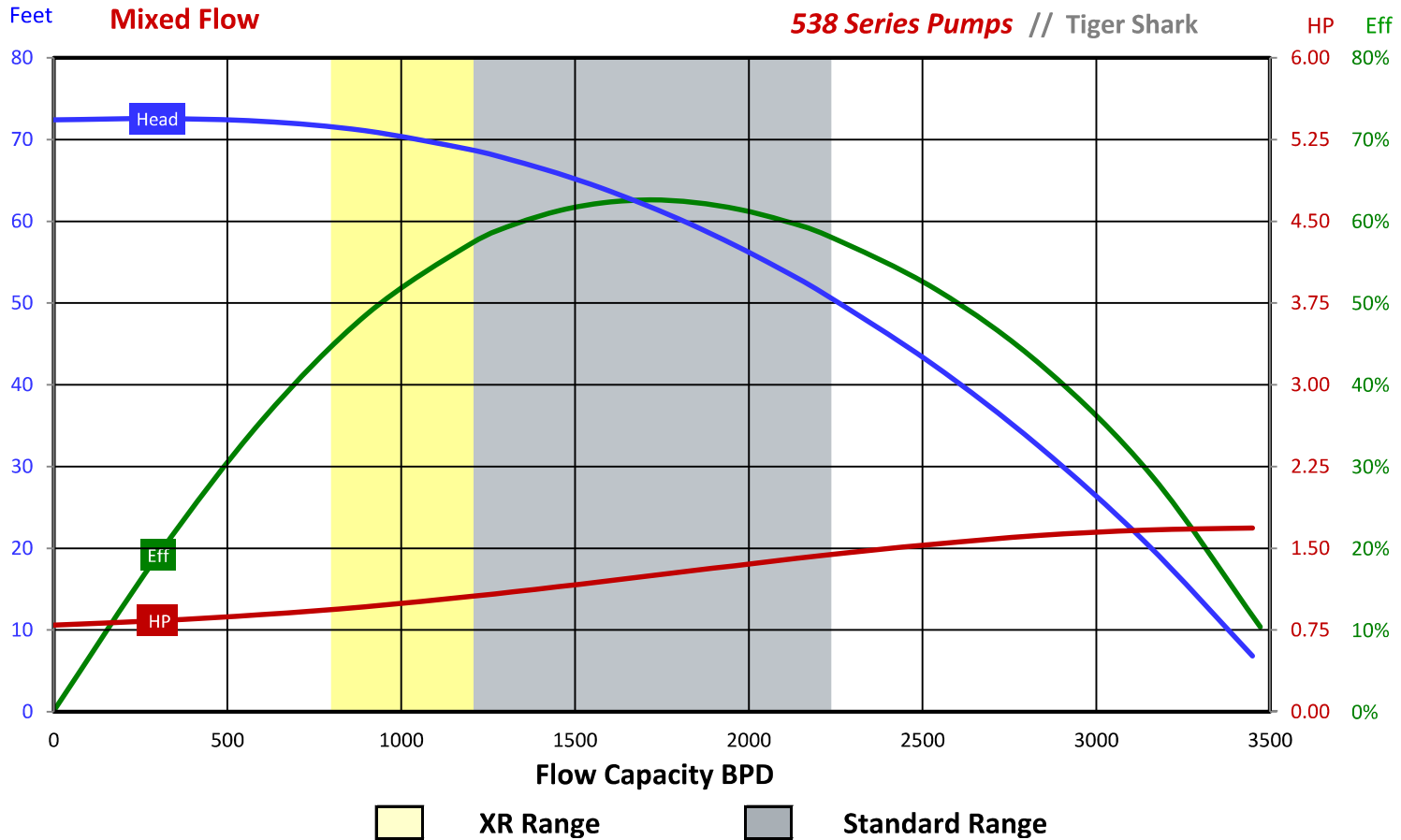
PUMP PERFORMANCE CURVE

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

[Performance Data](#)

[Engineering Data](#)

[Dimensions](#)



SJ1700 Pump

ENGINEERING DATA

Click on a button below to view more information

Performance Data

Engineering Data

Dimensions

XR operating range	800 – 2,216 BPD
BEP flow rate	1,705 BPD
Housing diameter	5.38 inch
Minimum casing size	7 inch
Shaft diameter	0.875 inch
Shaft area	0.6013 sq. inch
Standard shaft limit	360 HP
High-strength shaft limit	550 HP

Floater operating range	1,193 – 2,216 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

SJ1700 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	2.5	0.8	93	42
2	15	4	1.2	157	71
3	22	5.5	1.7	220	100
4	30	7	2.1	284	129
5	38	8.5	2.6	347	157
6	45	10	3	412	187
7	53	11.5	3.5	473	215
8	60	13	4	537	244
9	68	14.5	4.4	602	273
10	76	16	4.9	665	302
11	83	17.5	5.3	729	331
12	91	19	5.8	793	360
13	99	20.5	6.2	857	389
14	106	22	6.7	921	418
15	114	23.5	7.2	985	447

SJ2800 Pump

Click on a button below to view more information

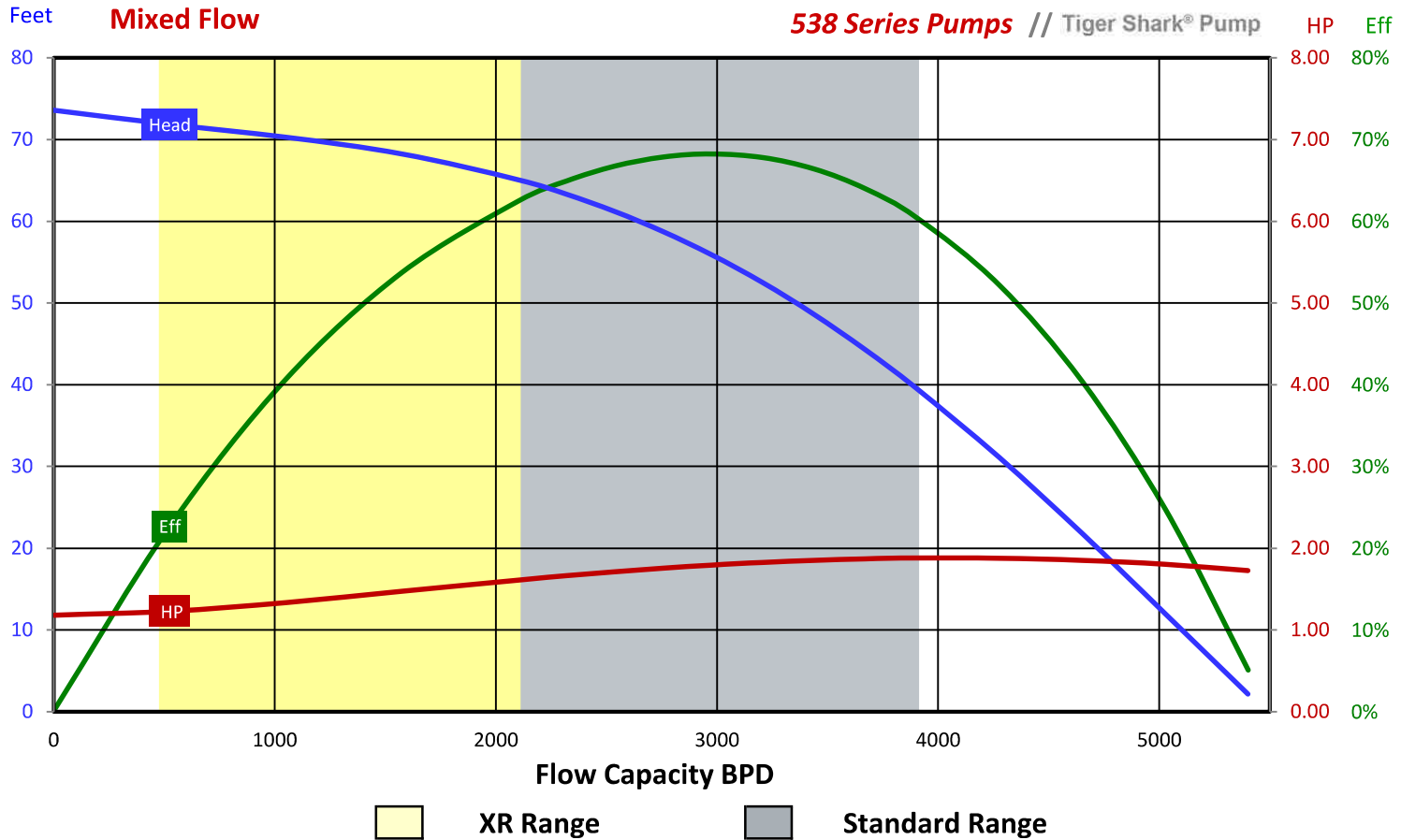
[Performance Data](#)

[Engineering Data](#)

[Dimensions](#)

PUMP PERFORMANCE CURVE

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



SJ2800 Pump

ENGINEERING DATA

Click on a button below to view more information

Performance Data

Engineering Data

Dimensions

XR operating range	486–3,900 BPD
BEP flow rate	2,975 BPD
Housing diameter	5.38 inch
Minimum casing size	7 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	2,100–3,900 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

SJ2800 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	2.5	0.8	93	42
2	15	4	1.2	157	71
3	22	5.5	1.7	220	100
4	30	7	2.1	284	129
5	38	8.5	2.6	347	157
6	45	10	3	412	187
7	53	11.5	3.5	473	215
8	61	13	4	537	244
9	68	14.5	4.4	602	273
10	76	16	4.9	665	302
11	83	17.5	5.3	729	331
12	91	19	5.8	793	360
13	99	20.5	6.2	857	389
14	106	22	6.7	921	418
15	114	23.5	7.2	985	447

SJ4200 Pump

Click on a button below to view more information

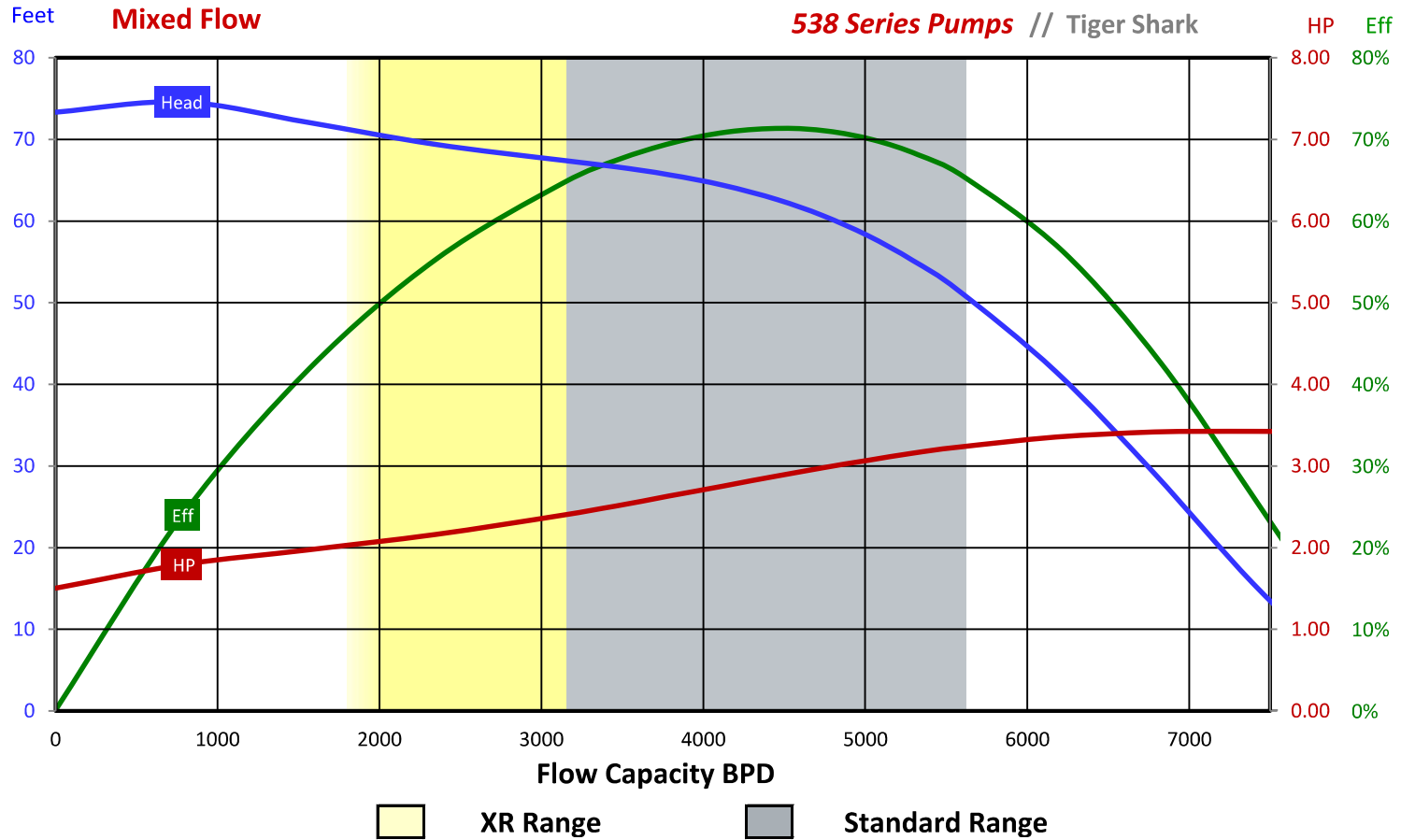
[Performance Data](#)

[Engineering Data](#)

[Dimensions](#)

PUMP PERFORMANCE CURVE

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



SJ4200 Pump

ENGINEERING DATA

Click on a button below to view more information

Performance Data

Engineering Data

Dimensions

XR operating range	1,800 – 5,571 BPD
BEP flow rate	4,457 BPD
Housing diameter	5.38 inch
Minimum casing size	7 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	3,120 – 5,571 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

SJ4200 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	2.5	0.8	93	42
2	12	4	1.2	157	71
3	18	5.5	1.7	220	100
4	24	7	2.1	284	129
5	30	8.5	2.6	347	157
6	36	10	3	412	187
7	42	11.5	3.5	473	215
8	48	13	4	537	244
9	54	14.5	4.4	602	273
10	60	16	4.9	665	302
11	66	17.5	5.3	729	331
12	72	19	5.8	793	360
13	78	20.5	6.2	857	389
14	84	22	6.7	921	418
15	90	23.5	7.2	985	447

SJ5500 Pump

Click on a button below to view more information

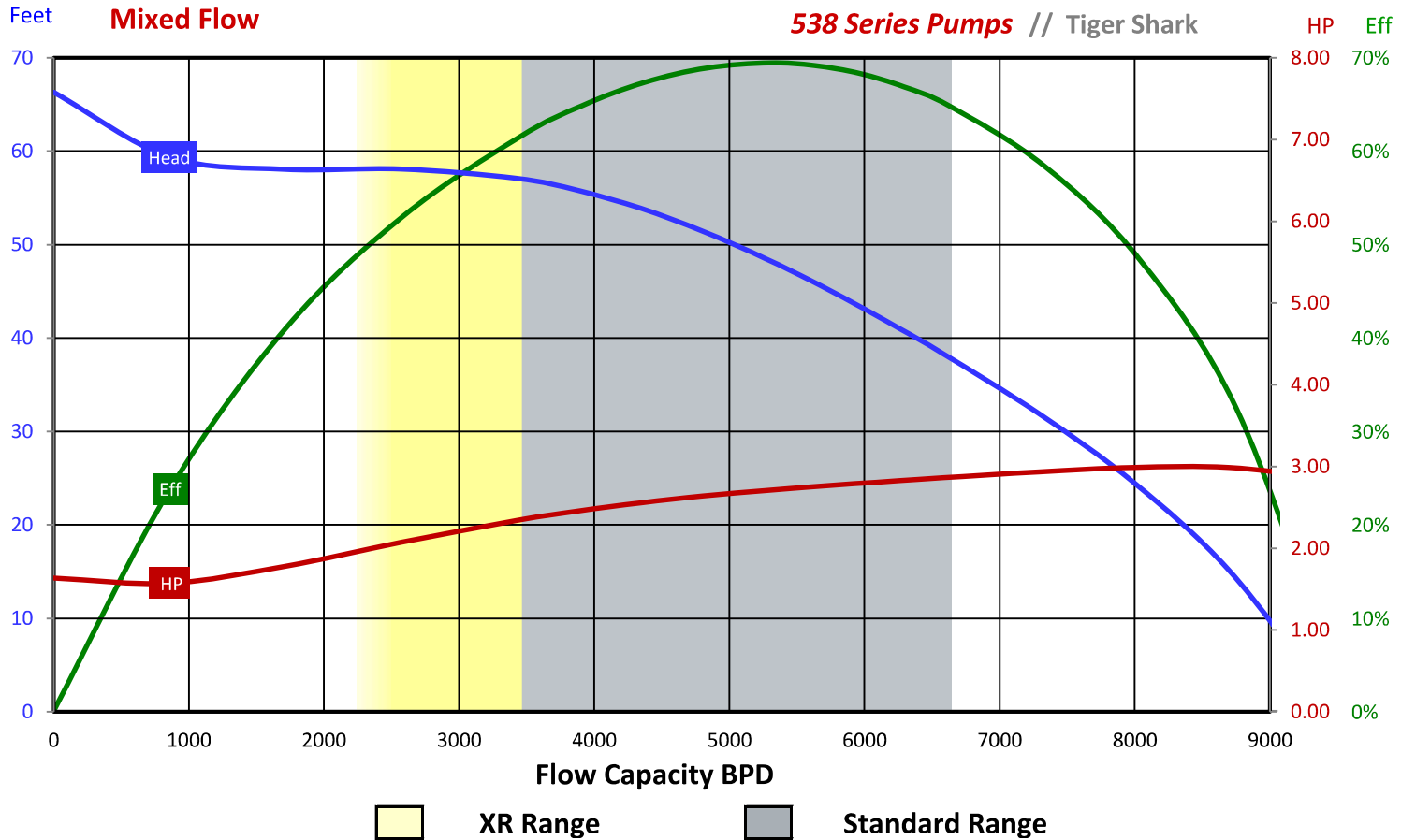
PUMP PERFORMANCE CURVE

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

Performance Data

Engineering Data

Dimensions



SJ5500 Pump

ENGINEERING DATA

Click on a button below to view more information

Performance Data

Engineering Data

Dimensions

XR operating range	2,250 – 6,583 BPD
BEP flow rate	5,267 BPD
Housing diameter	5.38 inch
Minimum casing size	7 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	3,423 – 6,583 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

SJ5500 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	2.5	0.8	93	42
2	11	4	1.2	157	71
3	17	5.5	1.7	220	100
4	23	7	2.1	284	129
5	29	8.5	2.6	347	157
6	35	10	3	412	187
7	41	11.5	3.5	473	215
8	47	13	4	537	244
9	53	14.5	4.4	602	273
10	59	16	4.9	665	302
11	65	17.5	5.3	729	331
12	71	19	5.8	793	360
13	77	20.5	6.2	857	389
14	83	22	6.7	921	418
15	89	23.5	7.2	985	447

SJ6500 Pump

Click on a button below to view more information

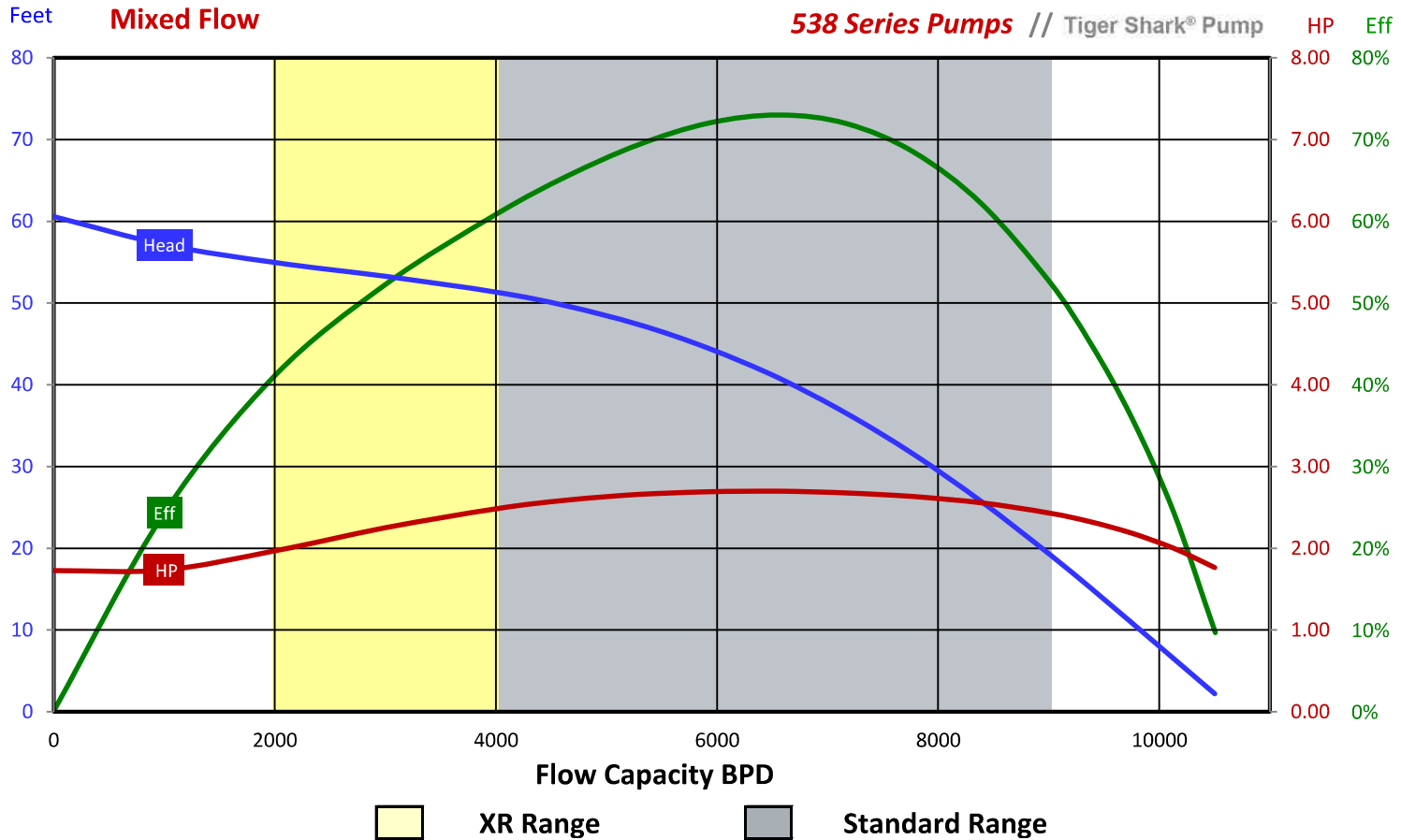
PUMP PERFORMANCE CURVE

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

Performance Data

Engineering Data

Dimensions



SJ6500 Pump

ENGINEERING DATA

Click on a button below to view more information

Performance Data

Engineering Data

Dimensions

XR operating range	2,000–9,000 BPD
BEP flow rate	6,560 BPD
Housing diameter	5.38 inch
Minimum casing size	7 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	4,000–9,000 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

SJ6500 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	4	2.6	0.8	76	35
2	9	4.1	1.2	136	62
3	14	5.6	1.7	196	89
4	19	7.1	2.2	256	116
5	23	8.6	2.6	311	141
6	28	10.1	3.1	371	168
7	33	11.6	3.5	431	195
8	38	13.1	4	491	223
9	43	14.6	4.5	550	250
10	47	16.1	4.9	610	277
11	52	17.6	5.4	670	304
12	57	19.1	5.8	730	331
13	62	20.6	6.3	790	358
14	67	22.1	6.7	845	383
15	71	23.6	7.2	905	411

SJ7000 Pump

Click on a button below to view more information

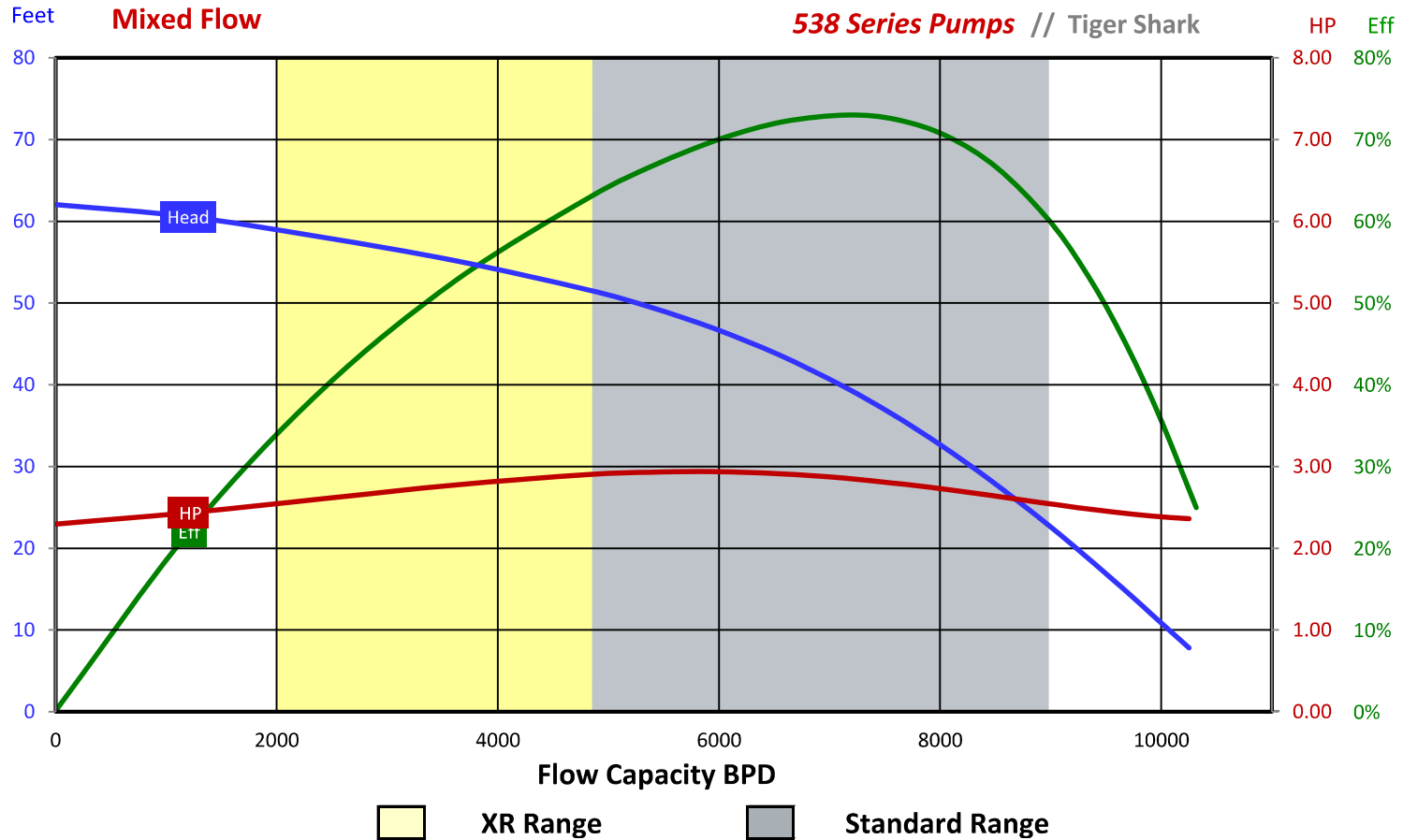
[Performance Data](#)

[Engineering Data](#)

[Dimensions](#)

PUMP PERFORMANCE CURVE

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



SJ7000 Pump

ENGINEERING DATA

Click on a button below to view more information

Performance Data

Engineering Data

Dimensions

XR operating range	2,000 – 8,902 BPD
BEP flow rate	7,122 BPD
Housing diameter	5.38 inch
Minimum casing size	7 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	4,800 – 8,902 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

SJ7000 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	4	2.5	0.8	93	42
2	9	4	1.2	157	71
3	14	5.5	1.7	220	100
4	19	7	2.1	284	129
5	23	8.5	2.6	347	157
6	28	10	3	412	187
7	33	11.5	3.5	473	215
8	38	13	4	537	244
9	43	14.5	4.4	602	273
10	47	16	4.9	665	302
11	52	17.5	5.3	729	331
12	57	19	5.8	793	360
13	62	20.5	6.2	857	389
14	67	22	6.7	921	418
15	71	23.5	7.2	985	447

SJ8000 Pump

Click on a button below to view more information

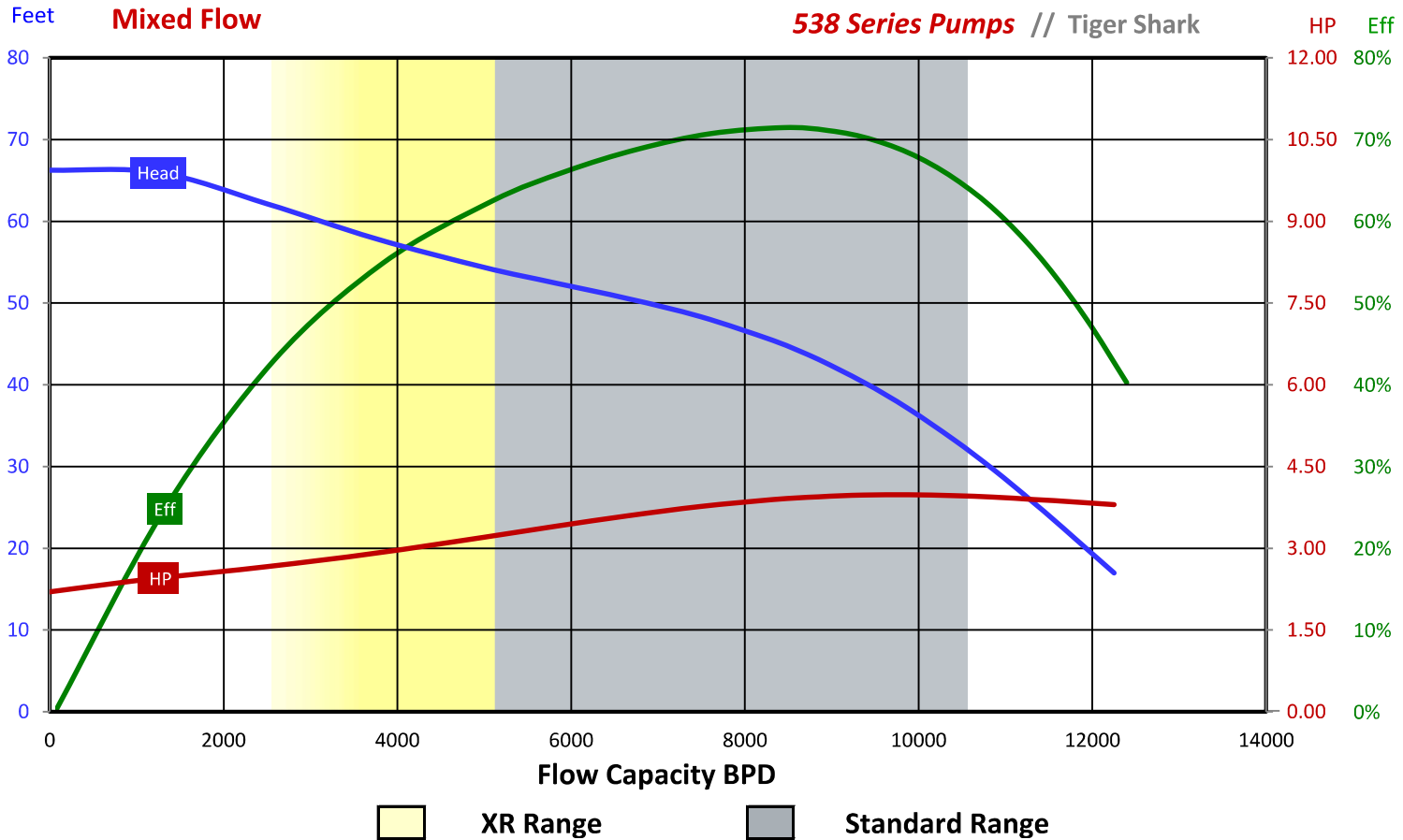
PUMP PERFORMANCE CURVE

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

[Performance Data](#)

[Engineering Data](#)

[Dimensions](#)



SJ8000 Pump

ENGINEERING DATA

Click on a button below to view more information

Performance Data

Engineering Data

Dimensions

XR operating range	2,500–10,405 BPD
BEP flow rate	8,324 BPD
Housing diameter	5.38 inch
Minimum casing size	7 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	4,994 – 10,405 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

SJ8000 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	2.5	0.8	93	42
2	11	4	1.2	157	71
3	17	5.5	1.7	220	100
4	23	7	2.1	284	129
5	29	8.5	2.6	347	157
6	35	10	3	412	187
7	41	11.5	3.5	473	215
8	47	13	4	537	244
9	53	14.5	4.4	602	273
10	59	16	4.9	665	302
11	65	17.5	5.3	729	331
12	71	19	5.8	793	360
13	77	20.5	6.2	857	389
14	83	22	6.7	921	418
15	89	23.5	7.2	985	447

SJ10000 Pump

Click on a button below to view more information

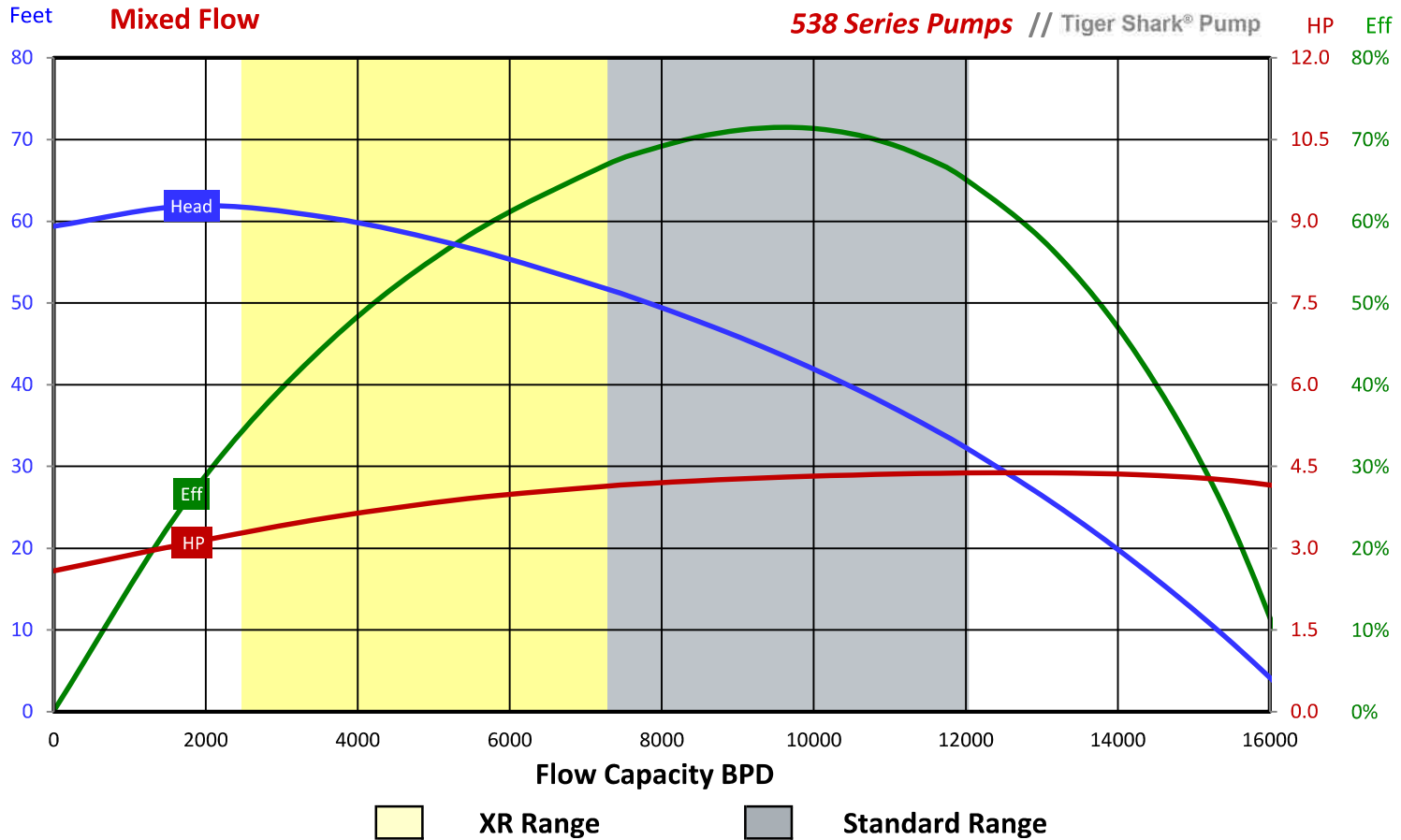
PUMP PERFORMANCE CURVE

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

Performance Data

Engineering Data

Dimensions



SJ10000 Pump

Click on a button below to view more information

ENGINEERING DATA

Performance Data

Engineering Data

Dimensions

XR operating range	2,500–12,000 BPD
BEP flow rate	9,620 BPD
Housing diameter	5.38 inch
Minimum casing size	7 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	7,250–12,000 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

SJ10000 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	4	2.5	0.8	93	42
2	8	4	1.2	157	71
3	13	5.5	1.7	220	100
4	17	7	2.1	284	129
5	22	8.5	2.6	347	157
6	26	10	3	412	187
7	31	11.5	3.5	473	215
8	35	13	4	537	244
9	39	14.5	4.4	602	273
10	44	16	4.9	665	302
11	48	17.5	5.3	729	331
12	53	19	5.8	793	360
13	57	20.5	6.2	857	389
14	62	22	6.7	921	418
15	66	23.5	7.2	985	447