

## 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.

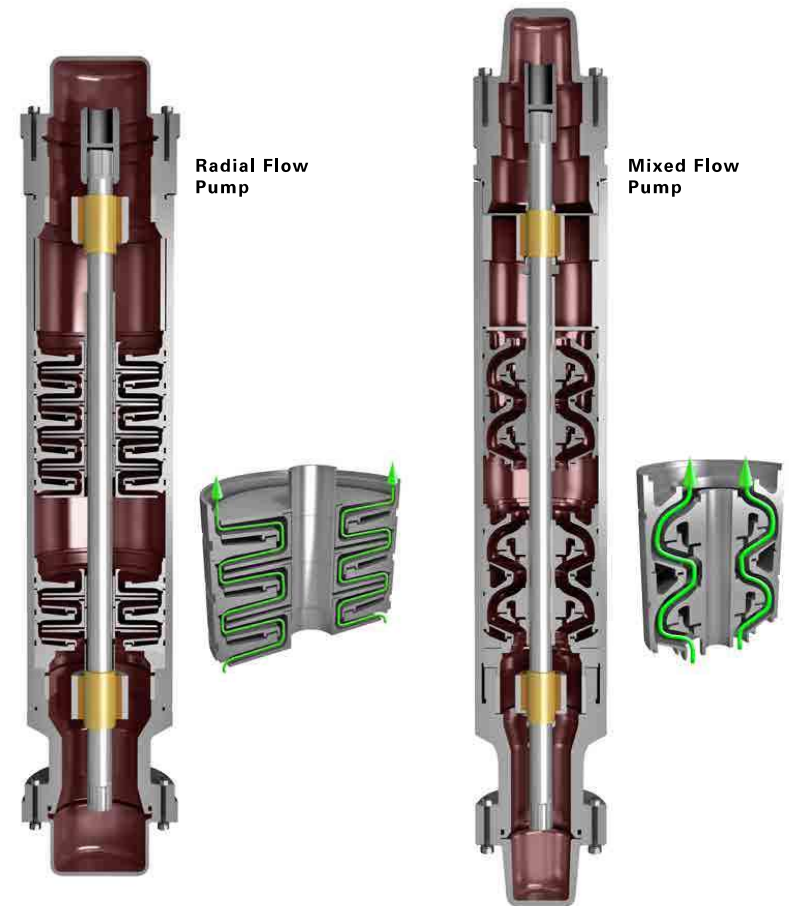
We offer a variety of pump shaft metallurgies to address horsepower requirements. Pump shafts are available in XM-19 stainless steel, Monel® alloy K-500 and Inconel® alloy 718 to handle the highest horsepower ratings. Standard housing metallurgy is a flame-sprayed carbon steel. Stainless steel housing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

SD-338 Series  
Tiger Shark<sup>®</sup> Pumps

# SD500 Pump

Click on a button below to view more information

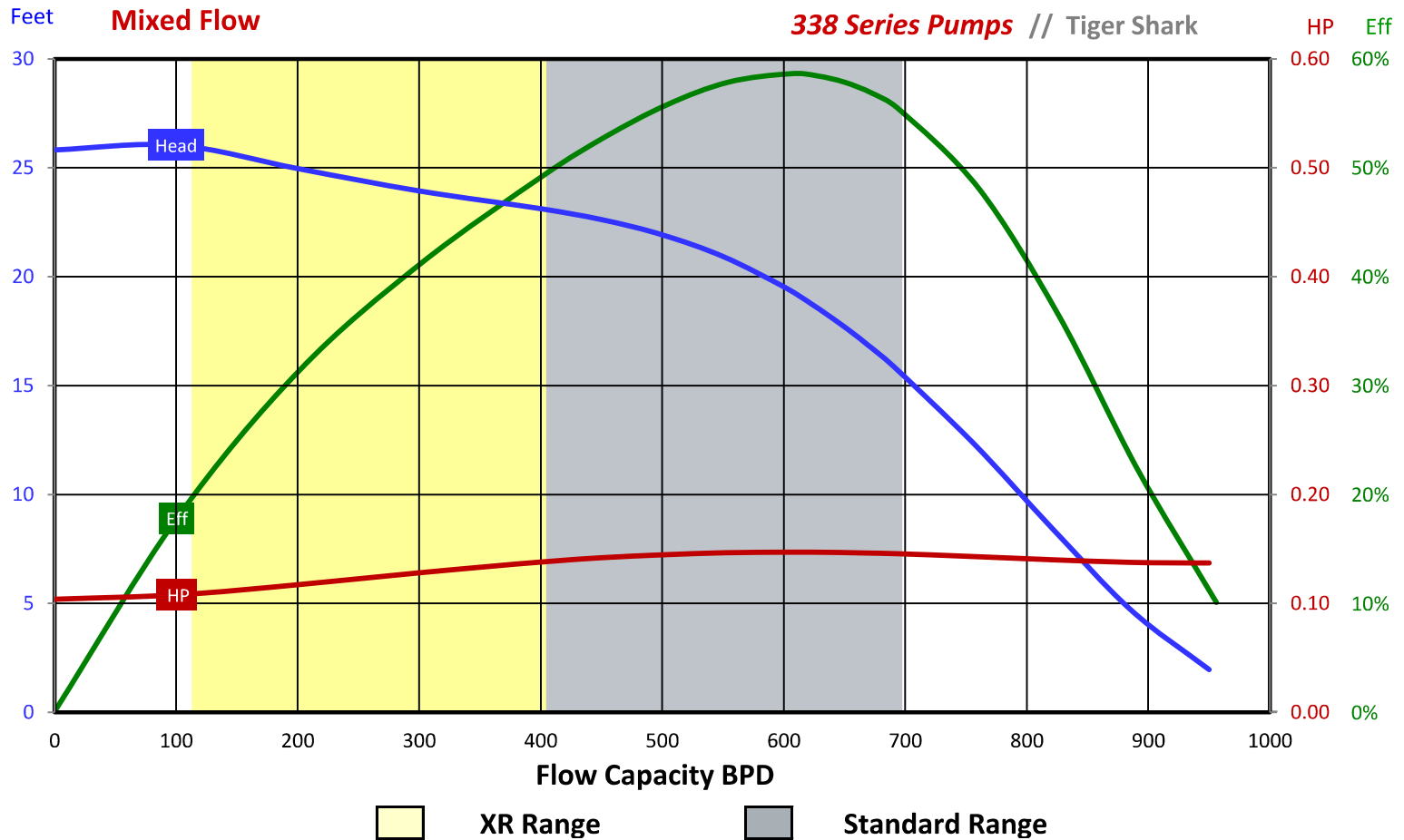
## PUMP PERFORMANCE CURVE

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

[Performance Data](#)

[Engineering Data](#)

[Dimensions](#)



# SD500 Pump

## ENGINEERING DATA

Click on a button below to view more information

Performance Data

Engineering Data

Dimensions

XR operating range	114-655 BPD
BEP flow rate	595 BPD
Housing diameter	3.38 inch
Minimum casing size	4.5 inch
Shaft diameter	0.6875 inch
Shaft area	0.3712 sq. inch
Standard shaft limit	150 HP
High-strength shaft limit	225 HP

Floater operating range	430-655 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	Radial

# SD500 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	16	2.1	0.6	38	17
2	36	3.5	1.1	63	29
3	55	4.9	1.5	78	35
4	74	6.3	1.9	107	49
5	94	7.7	2.3	141	64
6	113	9.2	2.8	167	76
7	132	10.6	3.2	193	88
8	151	12	3.7	219	99
9	171	13.4	4.1	245	111
10	190	14.8	4.5	271	123

# SD550 Pump

Click on a button below to view more information

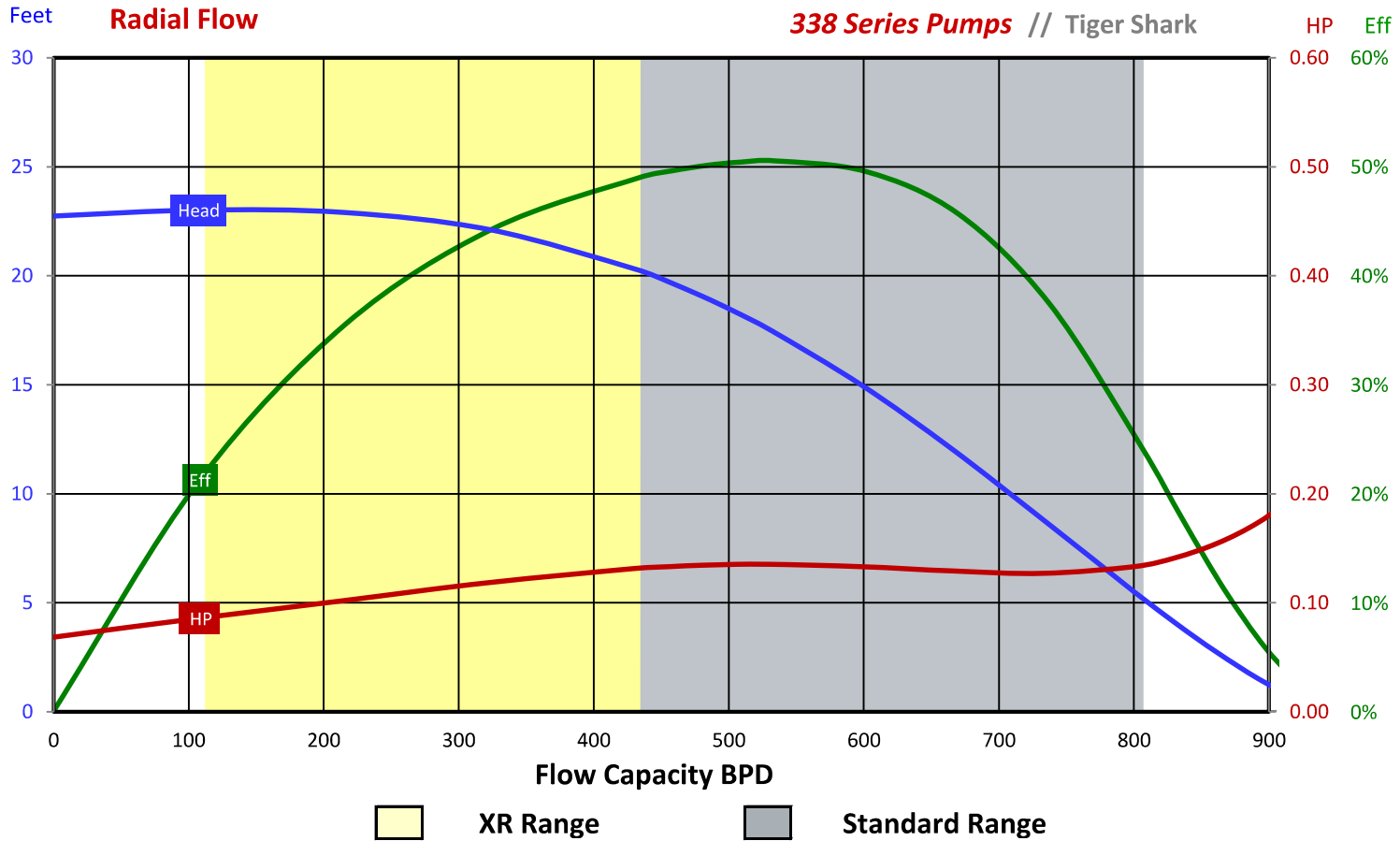
[Performance Data](#)

[Engineering Data](#)

[Dimensions](#)

## PUMP PERFORMANCE CURVE

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



# SD550 Pump

## ENGINEERING DATA

Click on a button below to view more information

Performance Data

Engineering Data

Dimensions

XR operating range	150–500 BPD
BEP flow rate	415 BPD
Housing diameter	3.38 inch
Minimum casing size	4.5 inch
Shaft diameter	0.625 inch
Shaft area	0.3068 sq. inch
Standard shaft limit	104 HP
High-strength shaft limit	171 HP

Floater operating range	226–500 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	Radial



# SD550 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	18	2.1	0.6	38	17
2	39	3.5	1.1	63	29
3	60	4.9	1.5	78	35
4	81	6.3	1.9	107	49
5	102	7.7	2.3	141	64
6	123	9.2	2.8	167	76
7	144	10.6	3.2	193	88
8	166	12	3.7	219	99
9	187	13.4	4.1	245	111
10	208	14.8	4.5	271	123

# SD900 Pump

Click on a button below to view more information

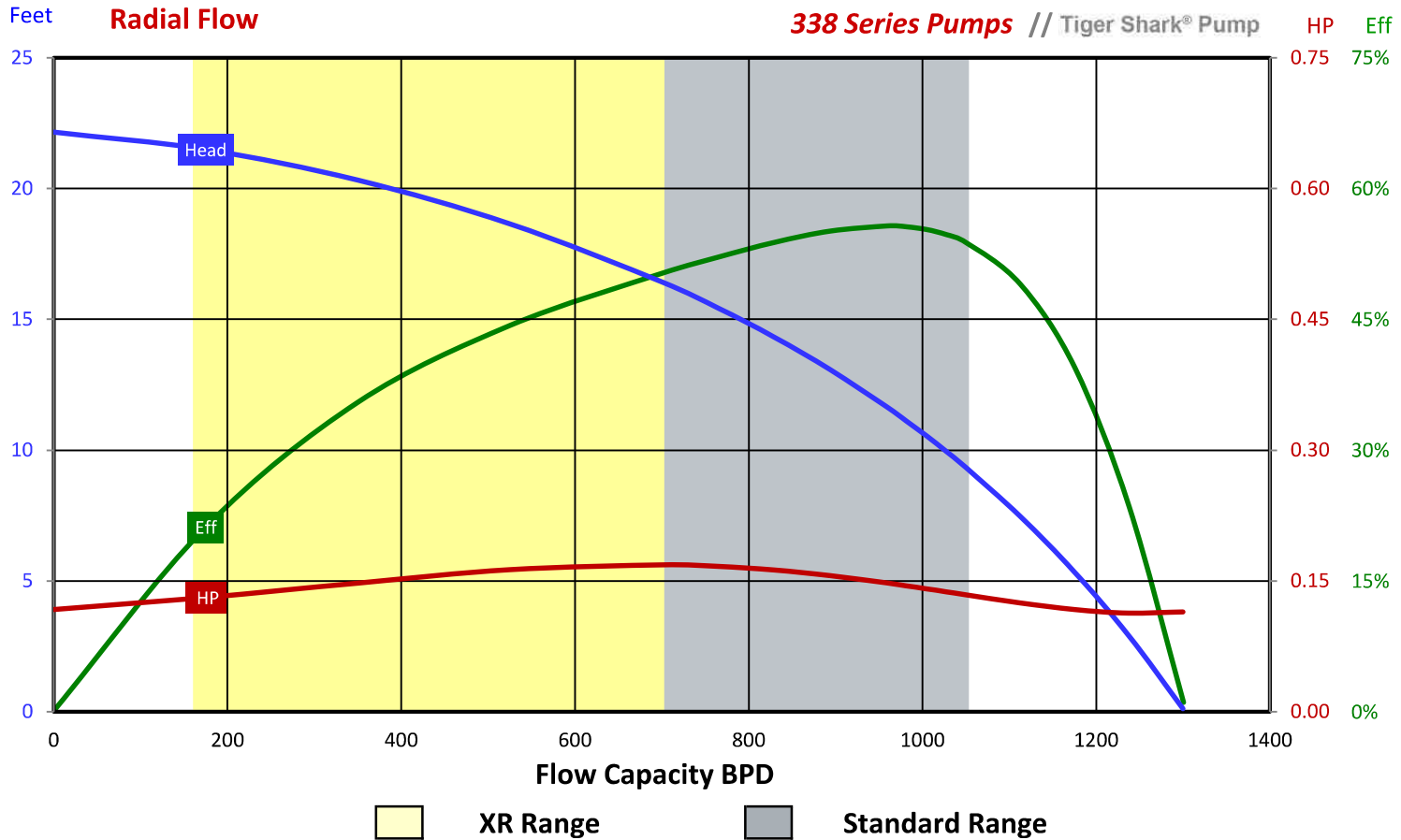
## PUMP PERFORMANCE CURVE

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

[Performance Data](#)

[Engineering Data](#)

[Dimensions](#)



# SD900 Pump

## ENGINEERING DATA

Click on a button below to view more information

Performance Data

Engineering Data

Dimensions

XR operating range	163–1,050 BPD
BEP flow rate	959 BPD
Housing diameter	3.38 inch
Minimum casing size	4.5 inch
Shaft diameter	0.625 inch
Shaft area	0.3068 sq. inch
Standard shaft limit	104 HP
High-strength shaft limit	171 HP

Floater operating range	700–1,050 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	Radial

# SD900 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	16	2.1	0.6	38	17
2	36	3.5	1.1	63	29
3	55	4.9	1.5	78	35
4	74	6.3	1.9	107	49
5	94	7.7	2.3	141	64
6	113	9.2	2.8	167	76
7	132	10.6	3.2	193	88
8	151	12	3.7	219	99
9	171	13.4	4.1	245	111
10	190	14.8	4.5	271	123

# SD1000 Pump

Click on a button below to view more information

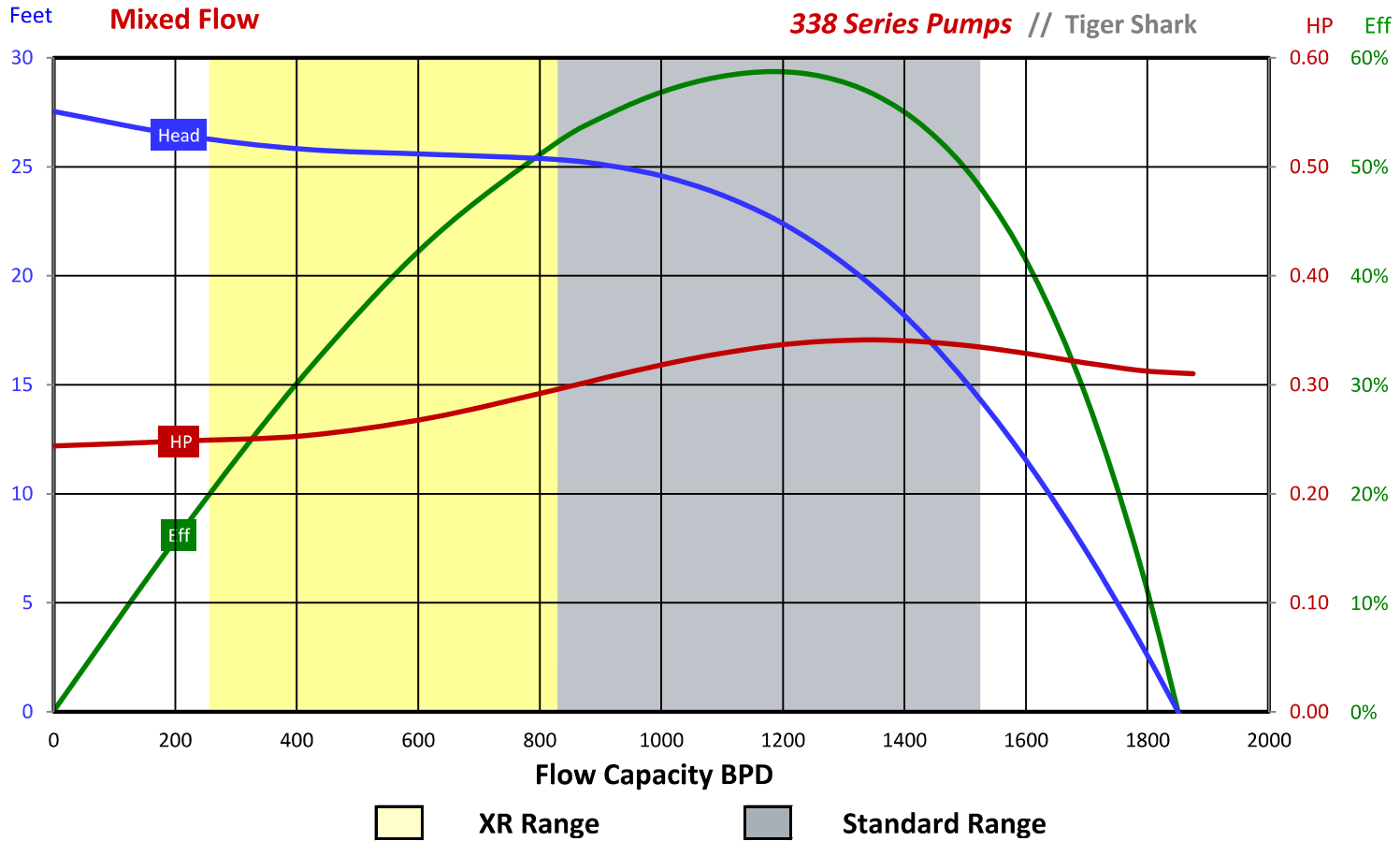
[Performance Data](#)

[Engineering Data](#)

[Dimensions](#)

## PUMP PERFORMANCE CURVE

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



# SD1000 Pump

Click on a button below to view more information

## ENGINEERING DATA

### Performance Data

### Engineering Data

### Dimensions

XR operating range	260-1,520 BPD
BEP Flow Rate	1,183 BPD
Housing diameter	3.38 inch
Minimum casing size	4.5 inch
Shaft diameter	0.625 inch
Shaft area	0.3068 sq. inch
Standard shaft limit	104 HP
High-strength shaft limit	171 HP

Floater operating range	825-1,520 BPD
Fluid specific gravity	1
Rotation	0
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

# SD1000 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	38	17
2	16	3.5	1.1	63	29
3	26	4.9	1.5	78	35
4	35	6.3	1.9	107	49
5	44	7.7	2.3	141	64
6	53	9.2	2.8	167	76
7	62	10.6	3.2	193	88
8	71	12	3.7	219	99
9	80	13.4	4.1	245	111
10	89	14.8	4.5	271	123

# SD1200 Pump

Click on a button below to view more information

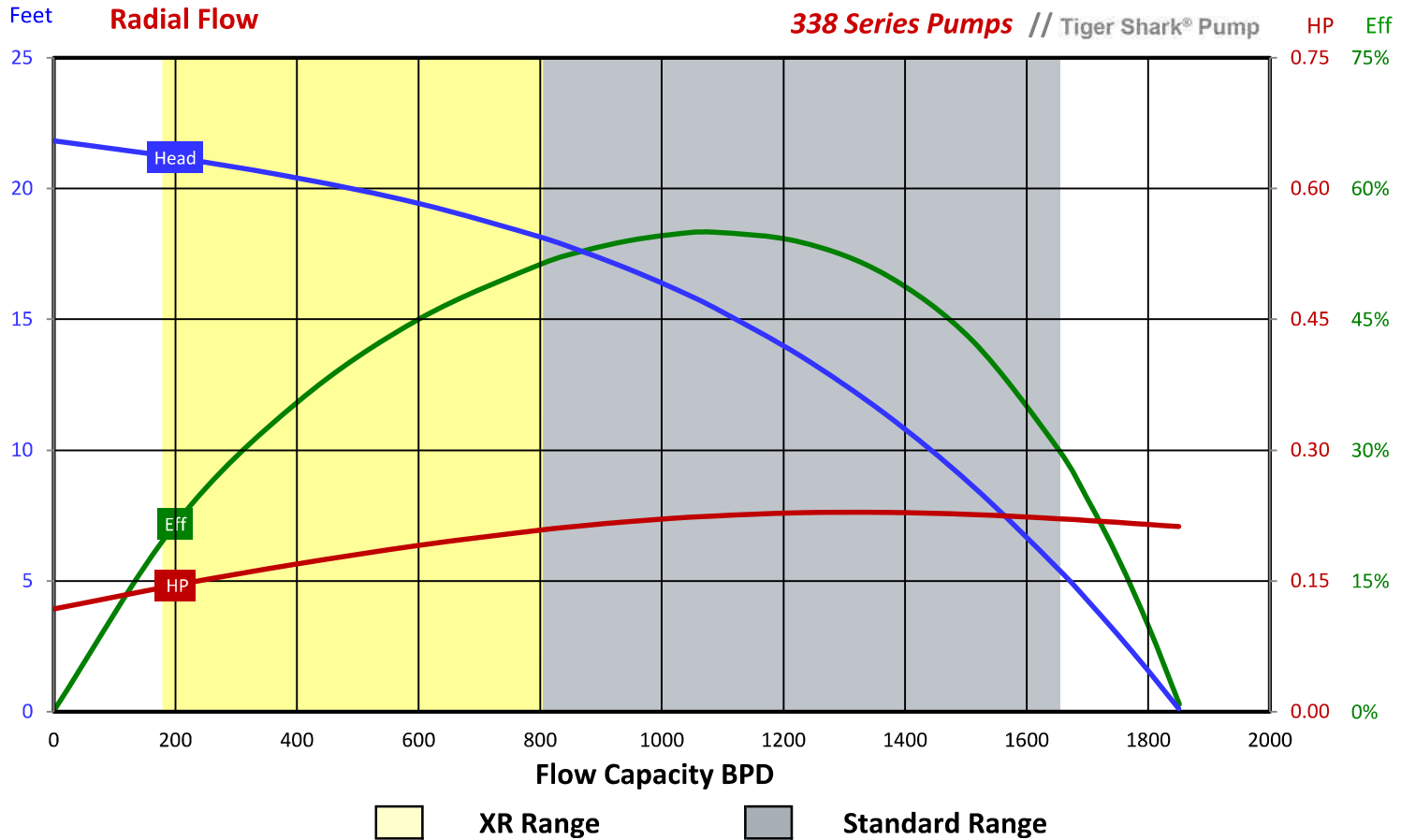
## PUMP PERFORMANCE CURVE

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

[Performance Data](#)

[Engineering Data](#)

[Dimensions](#)





# SD1200 Pump

## ENGINEERING DATA

Click on a button below to view more information

Performance Data

Engineering Data

Dimensions

XR operating range	183–1,650 BPD
BEP flow rate	1,086 BPD
Housing diameter	3.38 inch
Minimum casing size	4.5 inch
Shaft diameter	0.625 inch
Shaft area	0.3068 sq. inch
Standard shaft limit	104 HP
High-strength shaft limit	171 HP

Floater operating range	800–1,650 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	Radial

# SD1200 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	13	2.1	0.6	38	17
2	29	3.5	1.1	63	29
3	45	4.9	1.5	78	35
4	61	6.3	1.9	107	49
5	77	7.7	2.3	141	64
6	93	9.2	2.8	167	76
7	109	10.6	3.2	193	88
8	124	12	3.7	219	99
9	140	13.4	4.1	245	111
10	156	14.8	4.5	271	123

# SD1500 Pump

Click on a button below to view more information

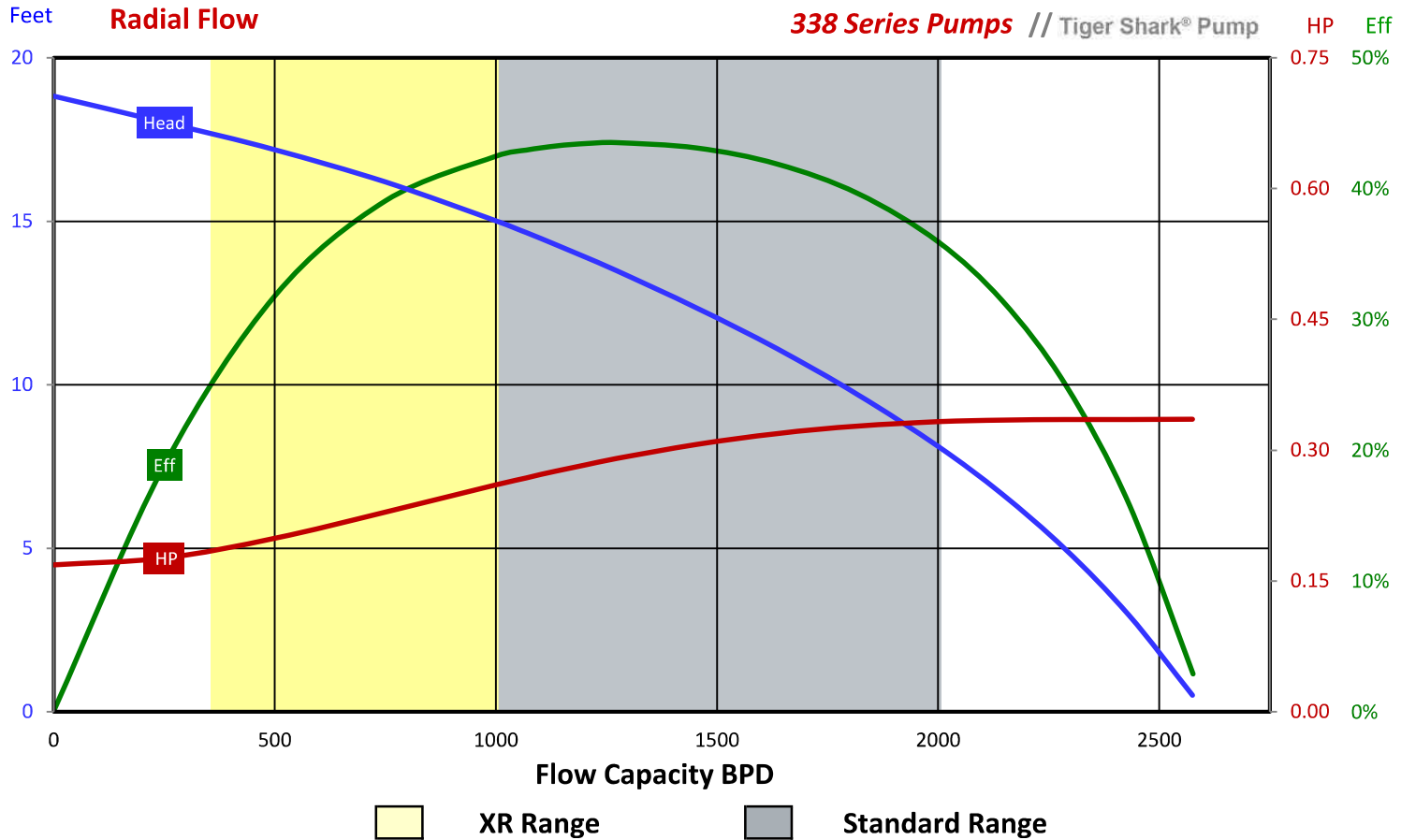
## PUMP PERFORMANCE CURVE

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

Performance Data

Engineering Data

Dimensions



# SD1500 Pump

Click on a button below to view more information

## ENGINEERING DATA

### Performance Data

### Engineering Data

### Dimensions

XR operating range	360–2,000 BPD
BEP flow rate	1,272 BPD
Housing diameter	3.38 inch
Minimum casing size	4.5 inch
Shaft diameter	0.6875 inch
Shaft area	0.3712 sq. inch
Standard shaft limit	138 HP
High-strength shaft limit	227 HP

Floater operating range	1,000–2,000 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	Radial

# SD1500 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	10	2.1	0.6	38	17
2	23	3.5	1.1	63	29
3	35	4.9	1.5	78	35
4	48	6.3	1.9	107	49
5	60	7.7	2.3	141	64
6	73	9.2	2.8	167	76
7	85	10.6	3.2	193	88
8	98	12	3.7	219	99
9	111	13.4	4.1	245	111
10	123	14.8	4.5	271	123

# SD2000 Pump

Click on a button below to view more information

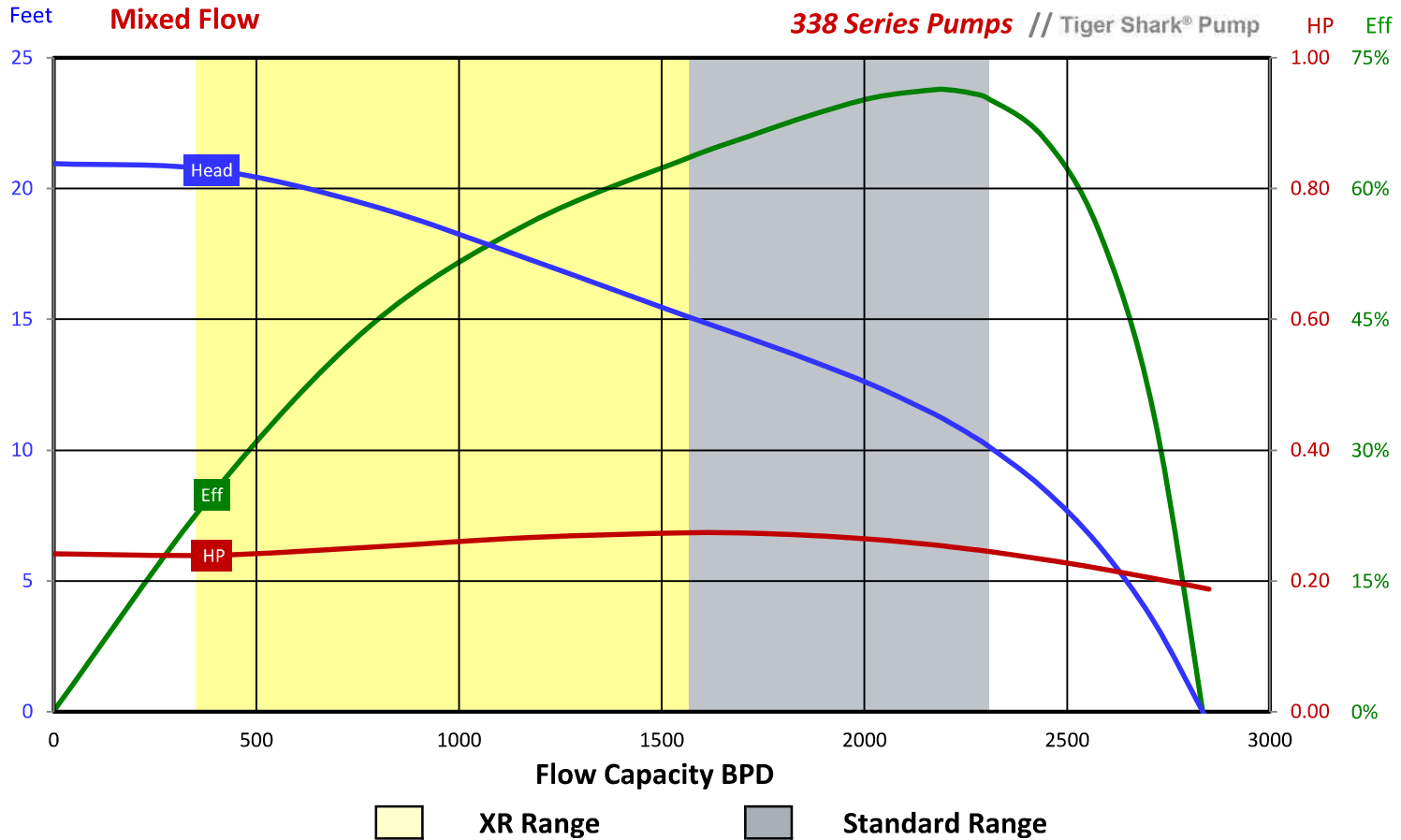
[Performance Data](#)

[Engineering Data](#)

[Dimensions](#)

## PUMP PERFORMANCE CURVE

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



# SD2000 Pump

Click on a button below to view more information

## ENGINEERING DATA

### Performance Data

### Engineering Data

### Dimensions

XR operating range	356–2,300 BPD
BEP flow rate	2,176 BPD
Housing diameter	3.38 inch
Minimum casing size	4.5 inch
Shaft diameter	0.6875 inch
Shaft area	0.3712 sq. inch
Standard shaft limit	138 HP
High-strength shaft limit	227 HP

Floater operating range	1,560–2,300 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

# SD2000 Pump

Click on a button below to view more information

## PUMP DIMENSIONS

Performance Data

Engineering Data

Dimensions

Housing	Stages	Length		Weight	
		ft	m	lb	kg
1	6	2.1	0.6	38	17
2	14	3.5	1.1	63	29
3	22	4.9	1.5	78	35
4	29	6.3	1.9	107	49
5	37	7.7	2.3	141	64
6	45	9.2	2.8	167	76
7	52	10.6	3.2	193	88
8	60	12	3.7	219	99
9	68	13.4	4.1	245	111
10	75	14.8	4.5	271	123