

## 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.

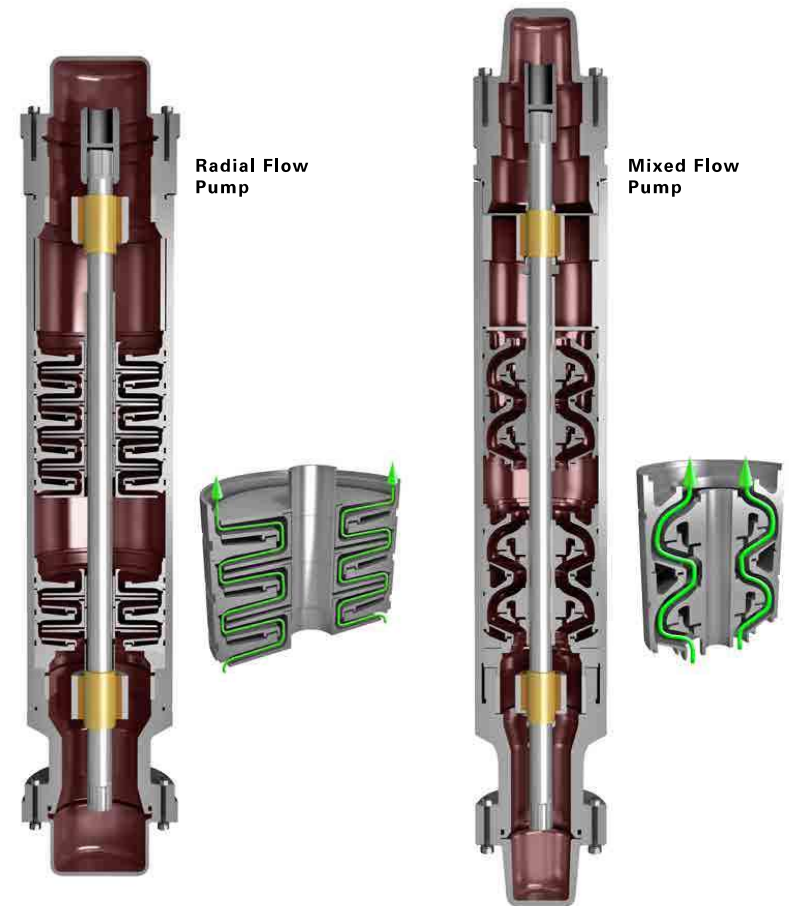
We offer a variety of pump shaft metallurgies to address horsepower requirements. Pump shafts are available in XM-19 stainless steel, Monel® alloy K-500 and Inconel® alloy 718 to handle the highest horsepower ratings. Standard housing metallurgy is a flame-sprayed carbon steel. Stainless steel housing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

SK-562 Series  
Tiger Shark<sup>®</sup> Pumps

# SK11000 Pump

Click on a button below to view more information

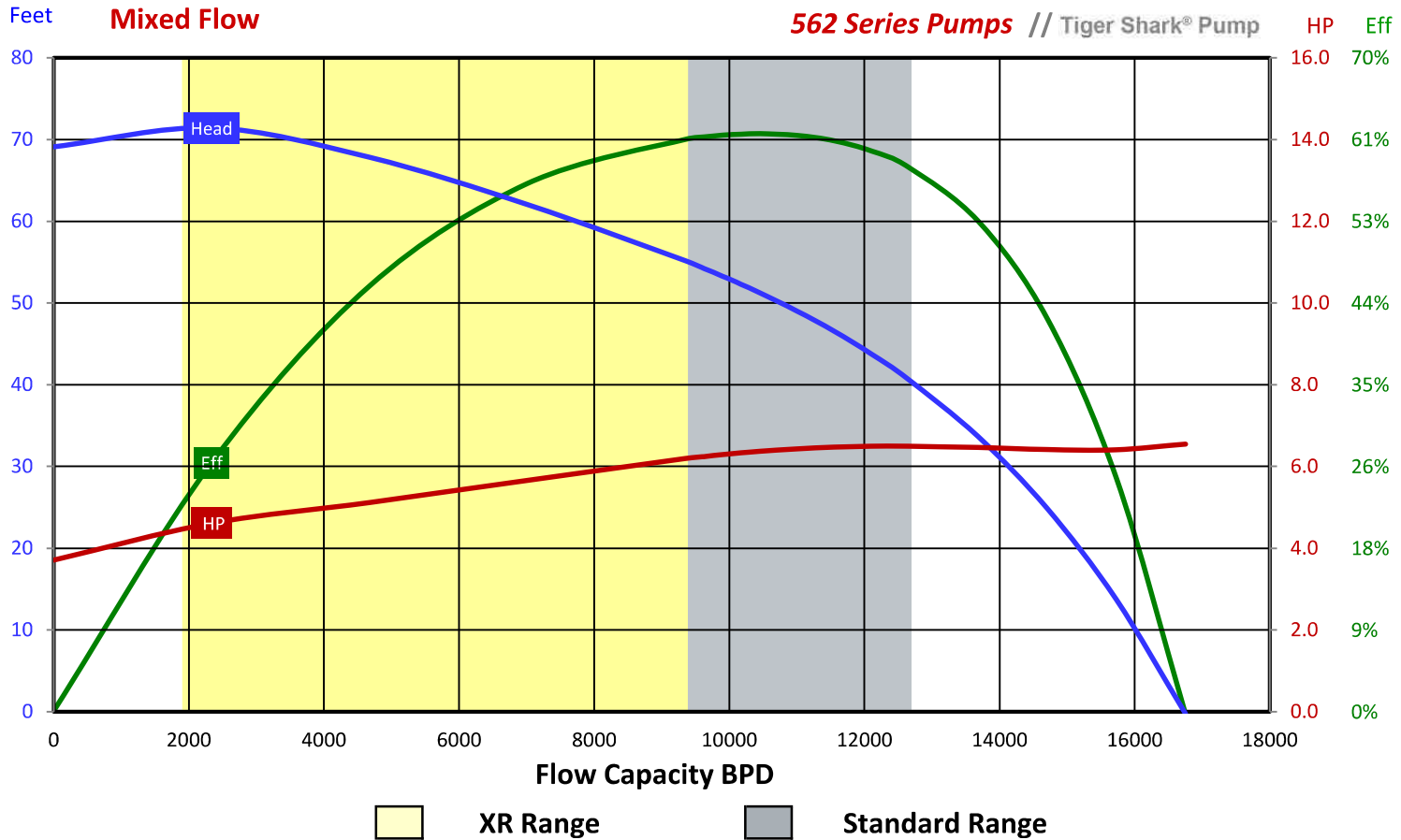
## PUMP PERFORMANCE CURVE

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

Performance Data

Engineering Data

Dimensions



# SK11000 Pump

Click on a button below to view more information

## ENGINEERING DATA

### Performance Data

### Engineering Data

### Dimensions

XR operating range	1,934–12,650 BPD
BEP flow rate	10,449 BPD
Housing diameter	5.62 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	9,350–12,650 BPD
Fluid specific gravity	1
Rotation	CW
Standard housing pressure limit	3,000 PSI
High-pressure housing limit	3,600 PSI
Standard pump construction	Floater
Optional pump construction	XRC Compression
Stage geometry	Mixed

# SK11000 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	76	35
2	6	3.5	1.1	136	62
3	10	4.9	1.5	196	89
4	14	6.3	1.9	256	116
5	18	7.7	2.3	311	141
6	22	9.1	2.8	371	168
7	26	10.5	3.2	431	195
8	30	11.9	3.6	491	223
9	34	13.3	4.1	550	250
10	38	14.7	4.5	610	277
11	42	16.1	4.9	670	304
12	46	17.5	5.3	730	331
13	49	18.9	5.8	790	358
14	53	20.3	6.2	845	383
15	57	21.7	6.6	905	411

# SK15500 Pump

Click on a button below to view more information

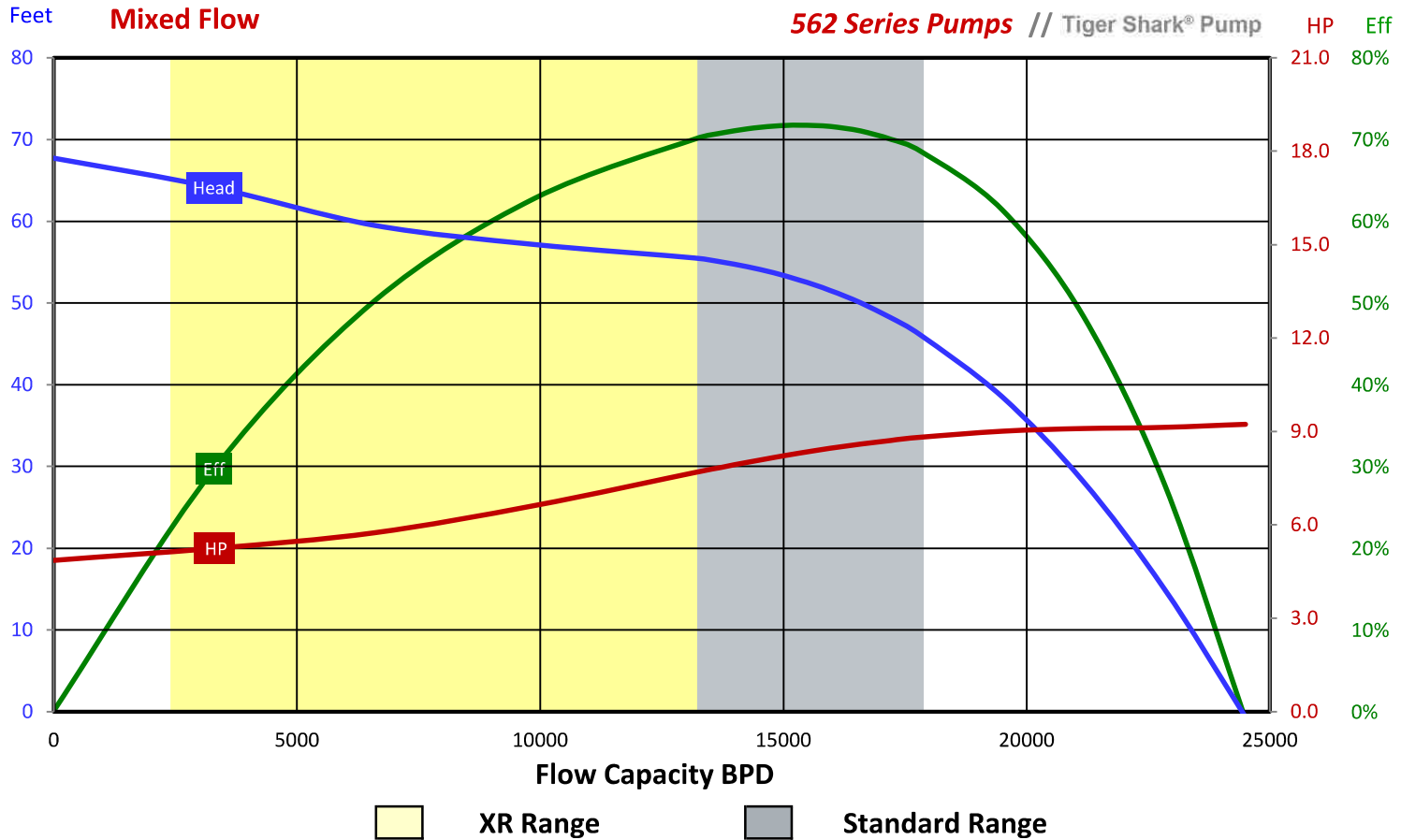
## PUMP PERFORMANCE CURVE

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

[Performance Data](#)

[Engineering Data](#)

[Dimensions](#)



# SK15500 Pump

Click on a button below to view more information

## ENGINEERING DATA

### Performance Data

### Engineering Data

### Dimensions

XR operating range	2,444–17,825 BPD
BEP flow rate	15,333 BPD
Housing diameter	5.62 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	13,175–17,825 BPD
Fluid specific gravity	1
Rotation	CW
Standard housing pressure limit	3,000 PSI
High-pressure housing limit	3,600 PSI
Standard pump construction	Floater
Optional pump construction	XRC Compression
Stage geometry	Mixed



# SK15500 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	2	2.1	0.6	76	35
2	5	3.5	1.1	136	62
3	9	4.9	1.5	196	89
4	12	6.3	1.9	256	116
5	16	7.7	2.3	311	141
6	19	9.1	2.8	371	168
7	22	10.5	3.2	431	195
8	26	11.9	3.6	491	223
9	29	13.3	4.1	550	250
10	33	14.7	4.5	610	277
11	36	16.1	4.9	670	304
12	39	17.5	5.3	730	331
13	43	18.9	5.8	790	358
14	46	20.3	6.2	845	383
15	49	21.7	6.6	905	411

# SK20000 Pump

Click on a button below to view more information

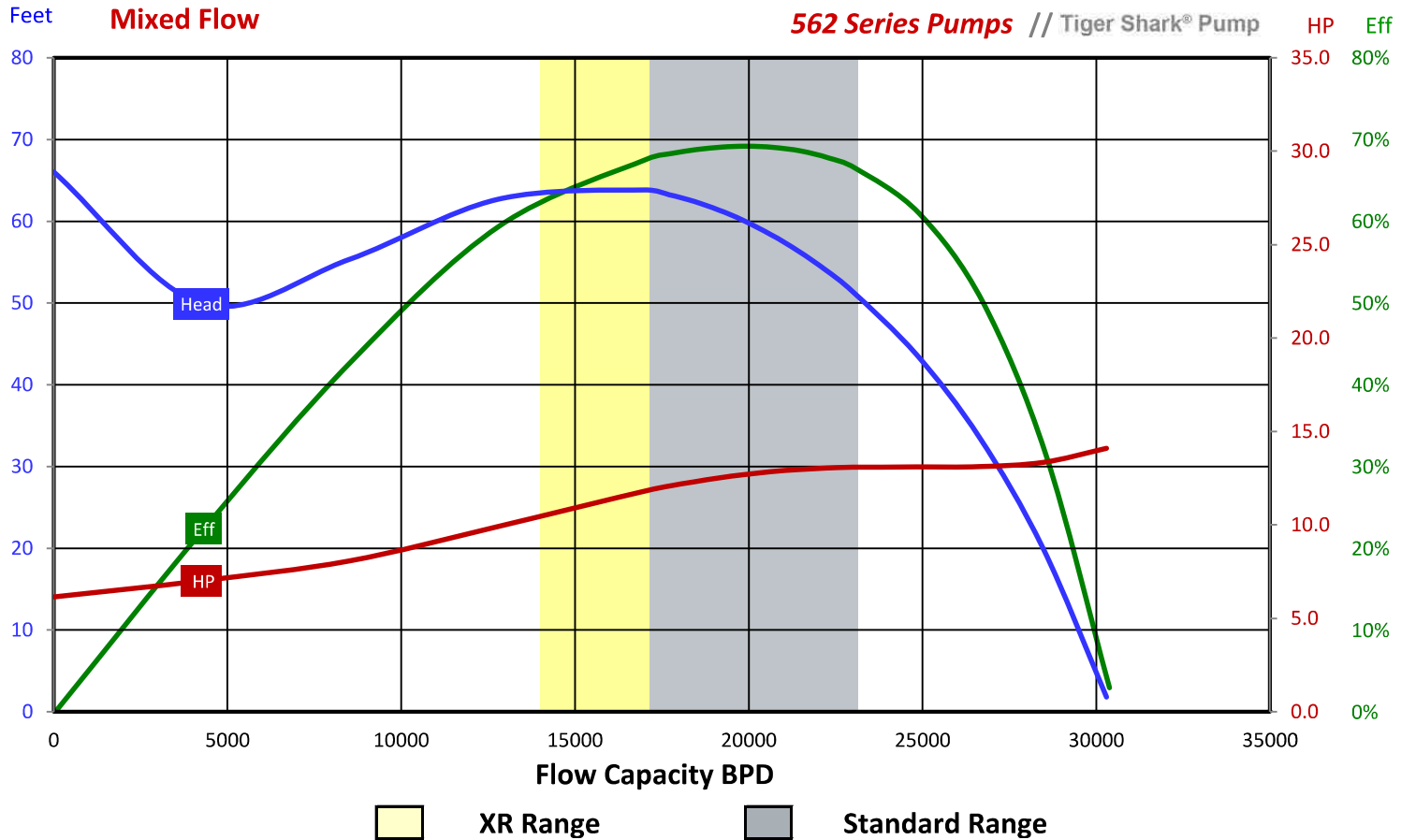
[Performance Data](#)

[Engineering Data](#)

[Dimensions](#)

## PUMP PERFORMANCE CURVE

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



# SK20000 Pump

Click on a button below to view more information

## ENGINEERING DATA

Performance Data

Engineering Data

Dimensions

XR operating range	14,000–23,000 BPD
BEP flow rate	19,850 BPD
Housing diameter	5.62 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	17,000–23,000 BPD
Fluid specific gravity	1
Rotation	CW
Standard housing pressure limit	3,000 PSI
High-pressure housing limit	3,600 PSI
Standard pump construction	Floater
Optional pump construction	XRC Compression
Stage geometry	Mixed

# SK20000 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	2	2.1	0.6	76	35
2	5	3.5	1.1	136	62
3	9	4.9	1.5	196	89
4	12	6.3	1.9	256	116
5	15	7.7	2.3	311	141
6	18	9.1	2.8	371	168
7	22	10.5	3.2	431	195
8	25	11.9	3.6	491	223
9	28	13.3	4.1	550	250
10	32	14.7	4.5	610	277
11	35	16.1	4.9	670	304
12	38	17.5	5.3	730	331
13	41	18.9	5.8	790	358
14	45	20.3	6.2	845	383
15	48	21.7	6.6	905	411

# SK27000 Pump

Click on a button below to view more information

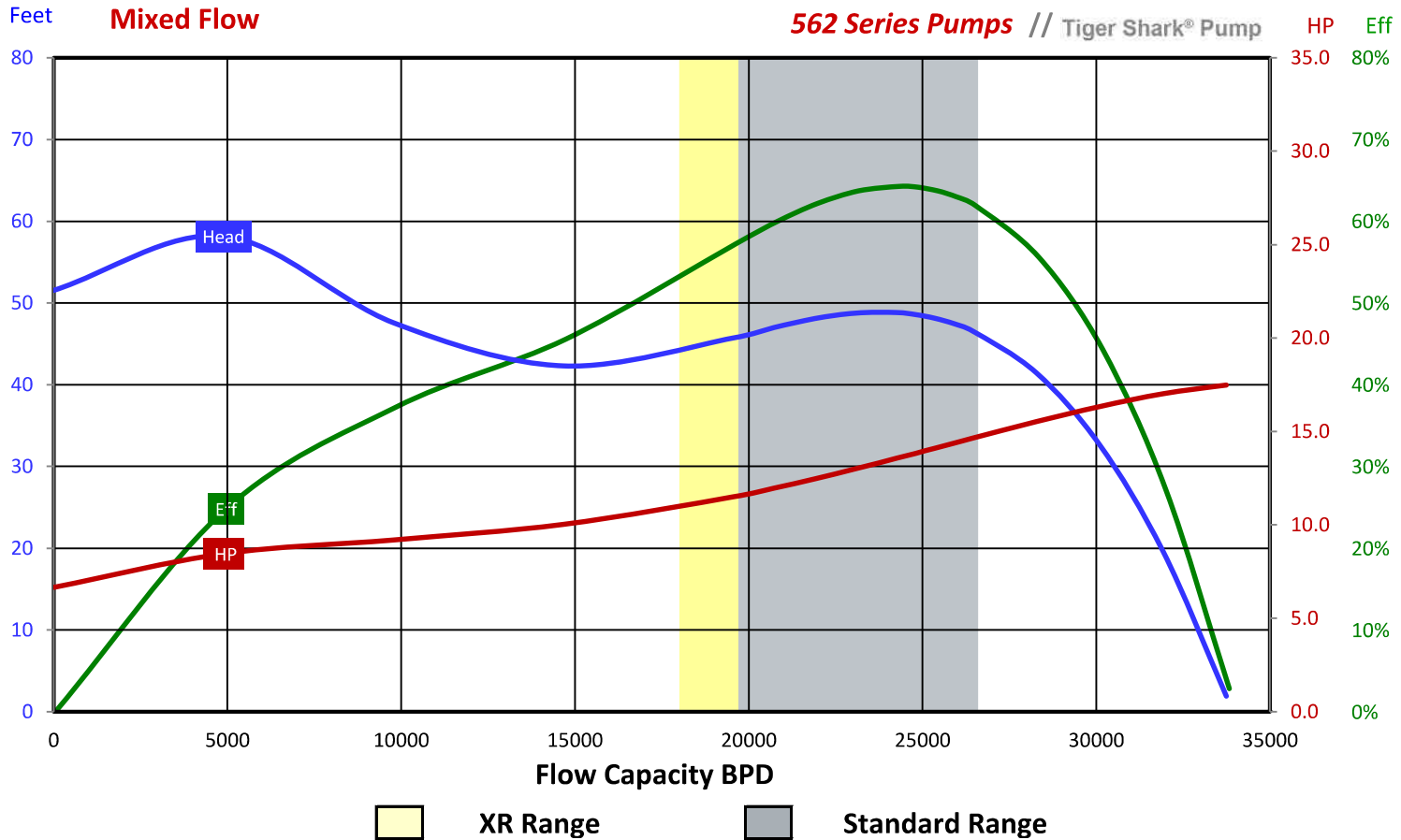
## PUMP PERFORMANCE CURVE

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

[Performance Data](#)

[Engineering Data](#)

[Dimensions](#)



# SK27000 Pump

Click on a button below to view more information

## ENGINEERING DATA

### Performance Data

### Engineering Data

### Dimensions

XR operating range	18,000–26,450 BPD
BEP flow rate	24,262 BPD
Housing diameter	5.62 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	19,549–26,450 BPD
Fluid specific gravity	1
Rotation	CW
Standard housing pressure limit	3,000 PSI
High-pressure housing limit	3,600 PSI
Standard pump construction	Floater
Optional pump construction	XRC Compression
Stage geometry	Mixed

# SK27000 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	2	2.1	0.6	76	35
2	5	3.5	1.1	136	62
3	8	4.9	1.5	196	89
4	12	6.3	1.9	256	116
5	15	7.7	2.3	311	141
6	18	9.1	2.8	371	168
7	21	10.5	3.2	431	195
8	24	11.9	3.6	491	223
9	27	13.3	4.1	550	250
10	31	14.7	4.5	610	277
11	34	16.1	4.9	670	304
12	37	17.5	5.3	730	331
13	40	18.9	5.8	790	358
14	43	20.3	6.2	845	383
15	47	21.7	6.6	905	411