

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.

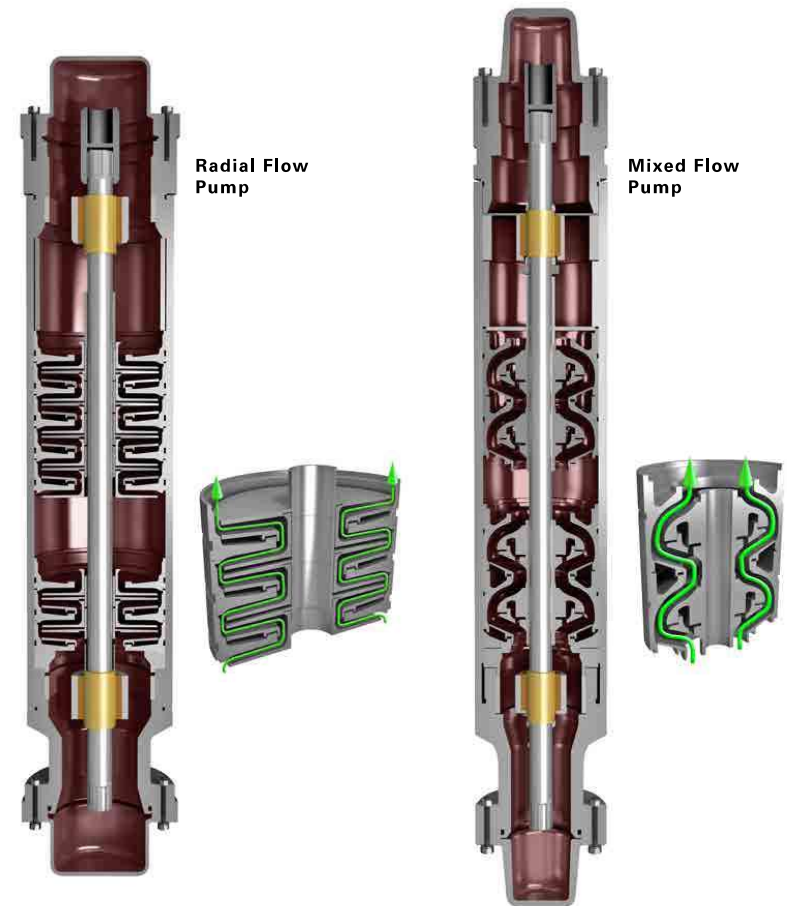
We offer a variety of pump shaft metallurgies to address horsepower requirements. Pump shafts are available in XM-19 stainless steel, Monel® alloy K-500 and Inconel® alloy 718 to handle the highest horsepower ratings. Standard housing metallurgy is a flame-sprayed carbon steel. Stainless steel housing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

SH-675 Series
Tiger Shark[®] Pumps

SH6700 Pump

Click on a button below to view more information

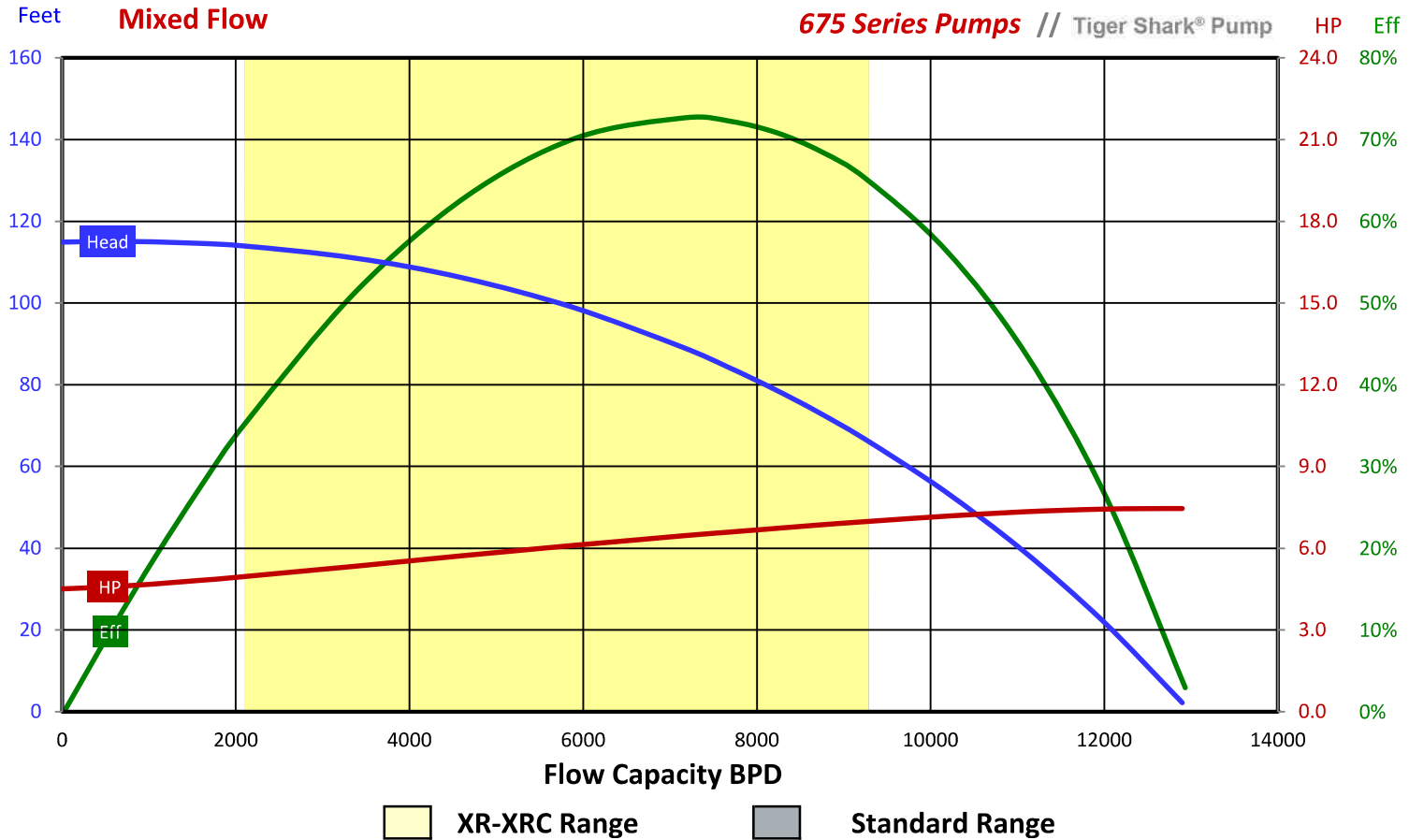
[Performance Data](#)

[Engineering Data](#)

[Dimensions](#)

PUMP PERFORMANCE CURVE

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



SH6700 Pump

Click on a button below to view more information

ENGINEERING DATA

Performance Data

Engineering Data

Dimensions

XR operating range	2,100–9,230 BPD
BEP flow rate	7,148 BPD
Housing diameter	6.75 inch
Minimum casing size	8.625 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	N/A
Fluid specific gravity	1
Rotation	CCW
Standard housing pressure limit	3,000 PSI
High-pressure housing limit	3,600 PSI
Standard pump construction	XR
Optional pump construction	XRC Compression
Stage geometry	Mixed

CCW – Counter-clockwise

SH6700 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	2.6	0.8	210	95
2	10	4	1.2	327	148
3	15	5.3	1.6	419	190
4	20	6.7	2	511	232
5	25	8.1	2.5	603	274
6	30	9.5	2.9	714	324
7	35	10.8	3.3	806	366
8	40	12.2	3.7	898	407
9	45	13.6	4.1	1,009	458
10	50	15	4.6	1,104	501
11	56	16.3	5	1,193	541
12	61	17.7	5.4	1,304	592
13	66	19.1	5.8	1,396	633
14	71	20.5	6.2	1,488	675
15	76	21.8	6.6	1,580	717

SH7500 Pump

Click on a button below to view more information

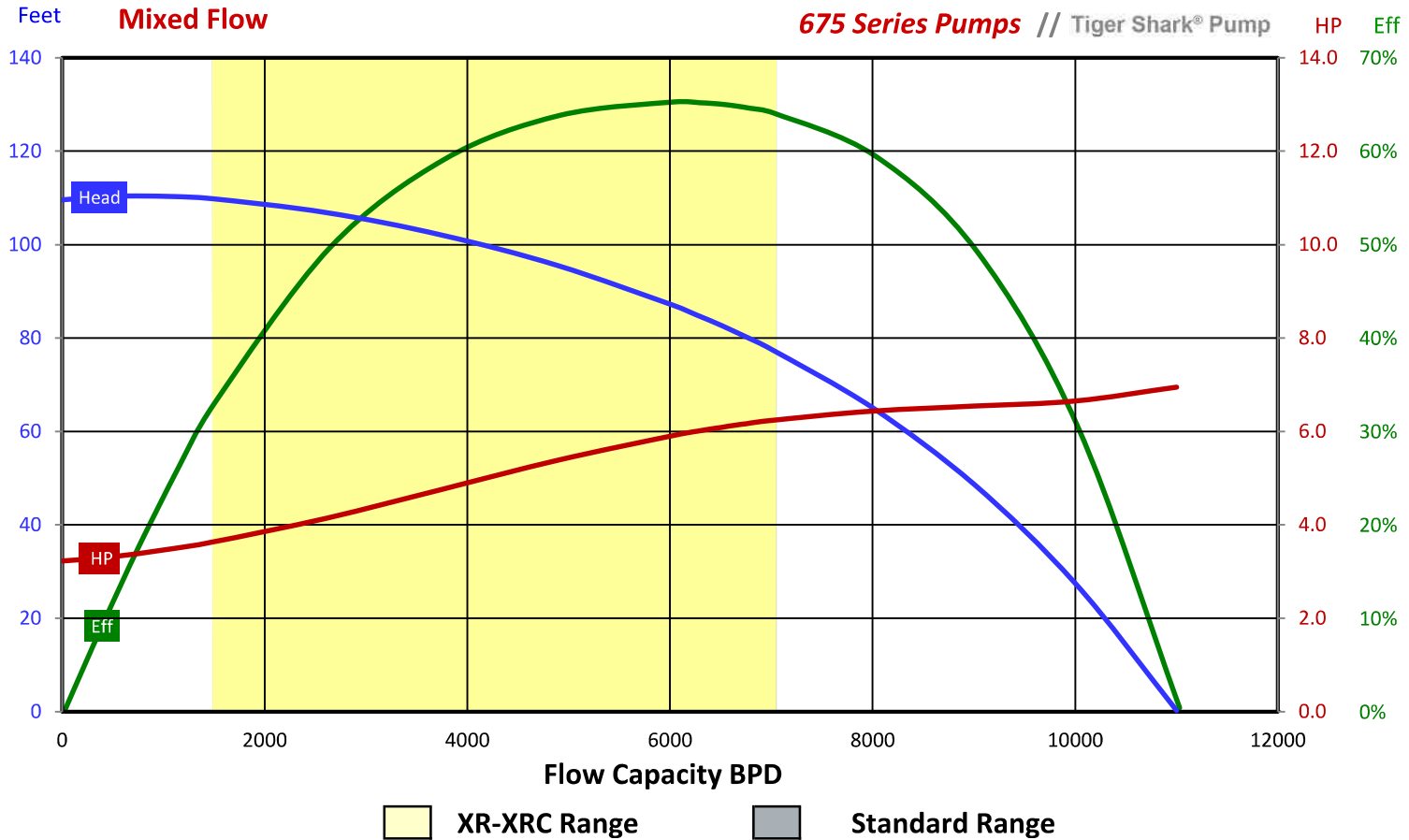
[Performance Data](#)

[Engineering Data](#)

[Dimensions](#)

PUMP PERFORMANCE CURVE

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



SH7500 Pump

ENGINEERING DATA

Click on a button below to view more information

Performance Data

Engineering Data

Dimensions

XR operating range	1,480–7,000 BPD
BEP flow rate	6,024 BPD
Housing diameter	6.75 inch
Minimum casing size	8.625 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	N/A
Fluid specific gravity	1
Rotation	CW
Standard housing pressure limit	3,000 PSI
High-pressure housing limit	3,600 PSI
Standard pump construction	XR
Optional pump construction	XRC Compression
Stage geometry	Mixed

SH7500 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	2.6	0.8	210	95
2	6	4	1.2	327	148
3	9	5.3	1.6	419	190
4	13	6.7	2	511	232
5	16	8.1	2.5	603	274
6	19	9.5	2.9	714	324
7	23	10.8	3.3	806	366
8	26	12.2	3.7	898	407
9	29	13.6	4.1	1,009	458
10	33	15	4.6	1,104	501
11	36	16.3	5	1,193	541
12	39	17.7	5.4	1,304	592
13	42	19.1	5.8	1,396	633
14	46	20.5	6.2	1,488	675
15	49	21.8	6.6	1,580	717

SH9000 Pump

Click on a button below to view more information

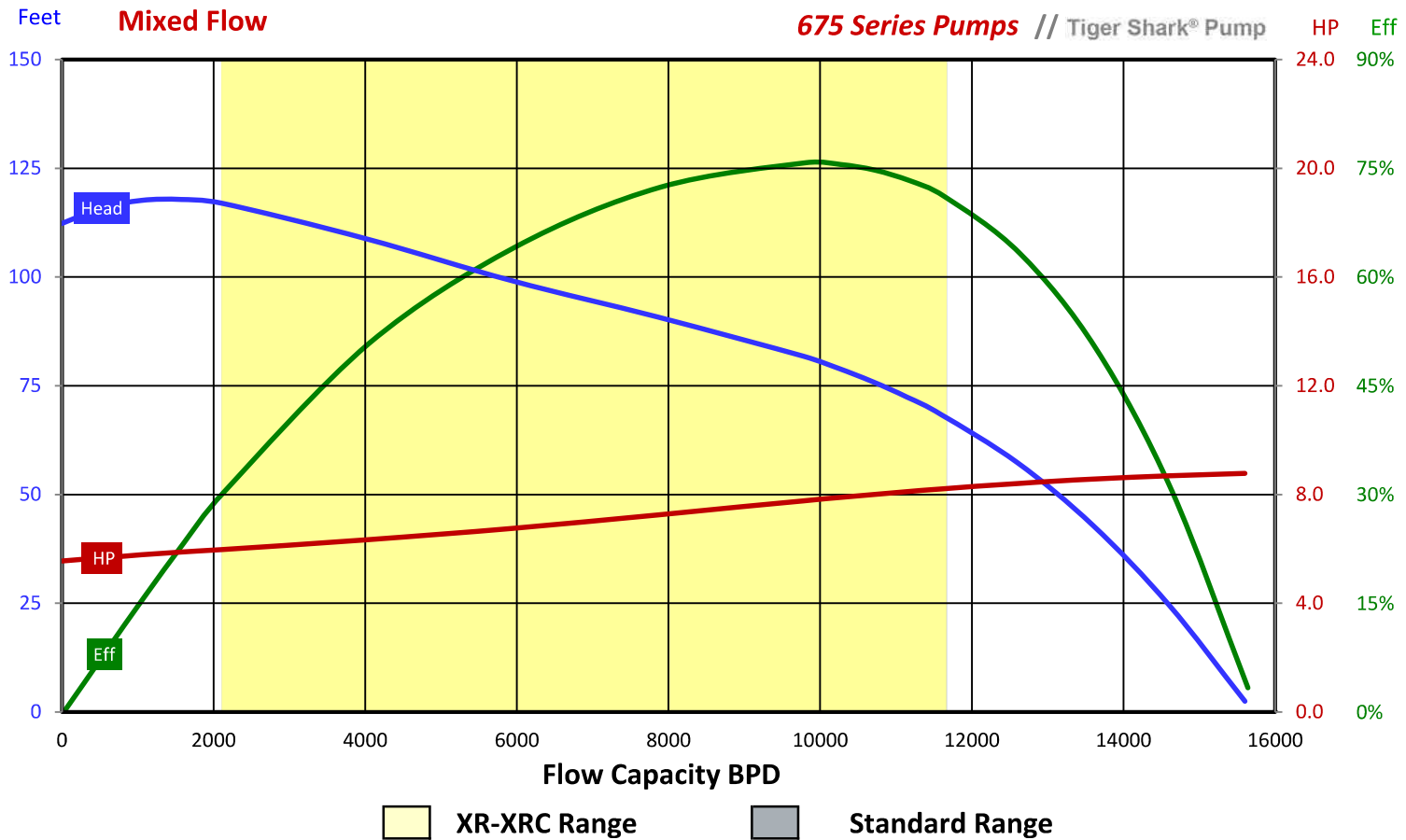
[Performance Data](#)

[Engineering Data](#)

[Dimensions](#)

PUMP PERFORMANCE CURVE

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



SH9000 Pump

Click on a button below to view more information

ENGINEERING DATA

Performance Data

Engineering Data

Dimensions

XR operating range	2,100–11,600 BPD
BEP flow rate	9,776 BPD
Housing diameter	6.75 inch
Minimum casing size	8.625 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	N/A
Fluid specific gravity	1
Rotation	CCW
Standard housing pressure limit	3,000 PSI
High-pressure housing limit	3,600 PSI
Standard pump construction	XR
Optional pump construction	XRC Compression
Stage geometry	Mixed

CCW – Counter-clockwise

SH9000 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	2.6	0.8	210	95
2	6	4	1.2	327	148
3	9	5.3	1.6	419	190
4	13	6.7	2	511	232
5	16	8.1	2.5	603	274
6	19	9.5	2.9	714	324
7	23	10.8	3.3	806	366
8	26	12.2	3.7	898	407
9	29	13.6	4.1	1,009	458
10	32	15	4.6	1,104	501
11	36	16.3	5	1,193	541
12	39	17.7	5.4	1,304	592
13	42	19.1	5.8	1,396	633
14	46	20.5	6.2	1,488	675
15	49	21.8	6.6	1,580	717

SH10000 Pump

Click on a button below to view more information

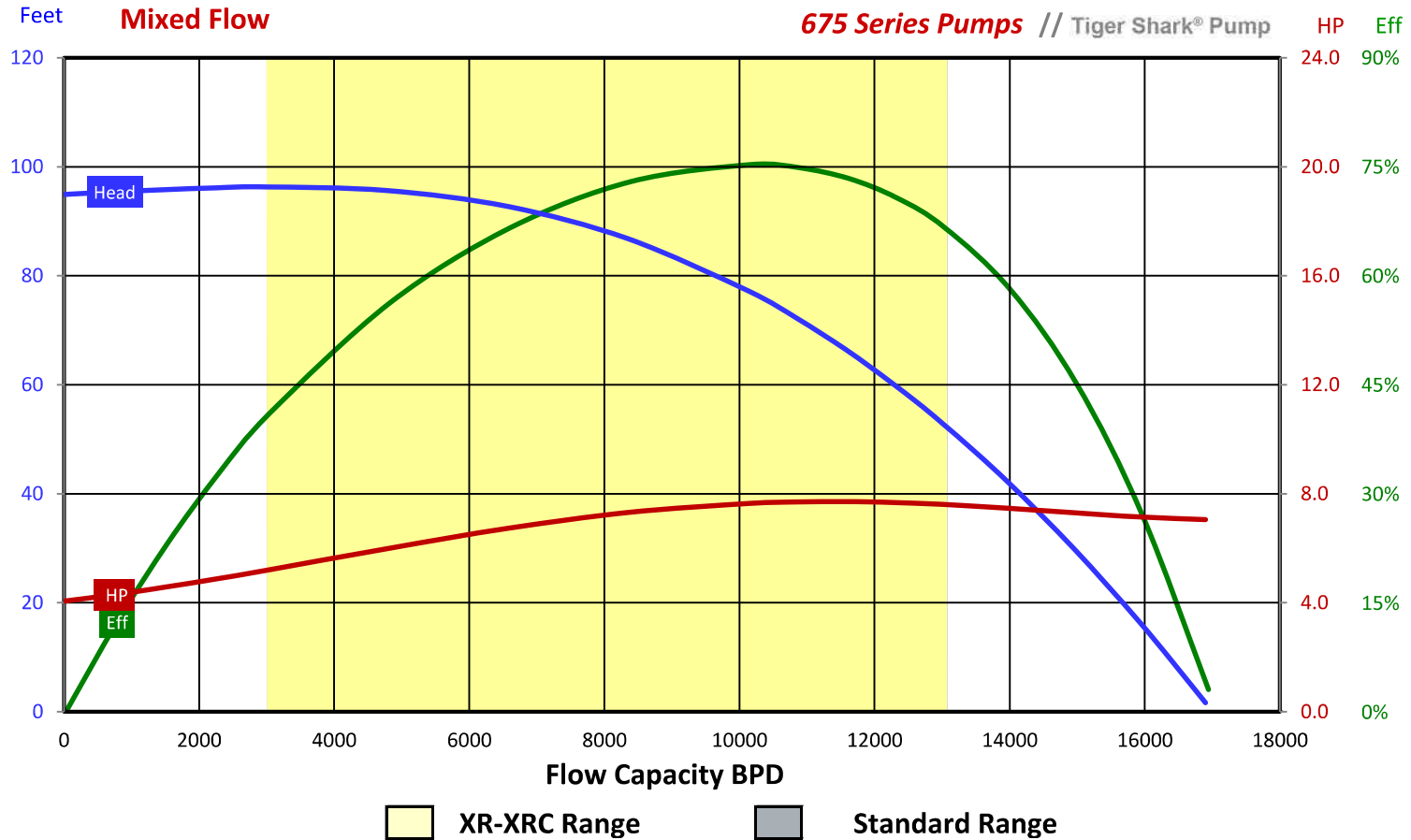
[Performance Data](#)

[Engineering Data](#)

[Dimensions](#)

PUMP PERFORMANCE CURVE

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



SH10000 Pump

Click on a button below to view more information

ENGINEERING DATA

Performance Data

Engineering Data

Dimensions

XR operating range	3,000–13,000 BPD
BEP flow rate	10,140 BPD
Housing diameter	6.75 inch
Minimum casing size	8.625 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	N/A
Fluid specific gravity	1
Rotation	CW
Standard housing pressure limit	3,000 PSI
High-pressure housing limit	3,600 PSI
Standard pump construction	XR
Optional pump construction	XRC Compression
Stage geometry	Mixed

SH10000 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	2.6	0.8	210	95
2	6	4	1.2	327	148
3	9	5.3	1.6	419	190
4	13	6.7	2	511	232
5	16	8.1	2.5	603	274
6	19	9.5	2.9	714	324
7	23	10.8	3.3	806	366
8	26	12.2	3.7	898	407
9	29	13.6	4.1	1,009	458
10	32	15	4.6	1,104	501
11	36	16.3	5	1,193	541
12	39	17.7	5.4	1,304	592
13	42	19.1	5.8	1,396	633
14	46	20.5	6.2	1,488	675
15	49	21.8	6.6	1,580	717

SH12000 Pump

Click on a button below to view more information

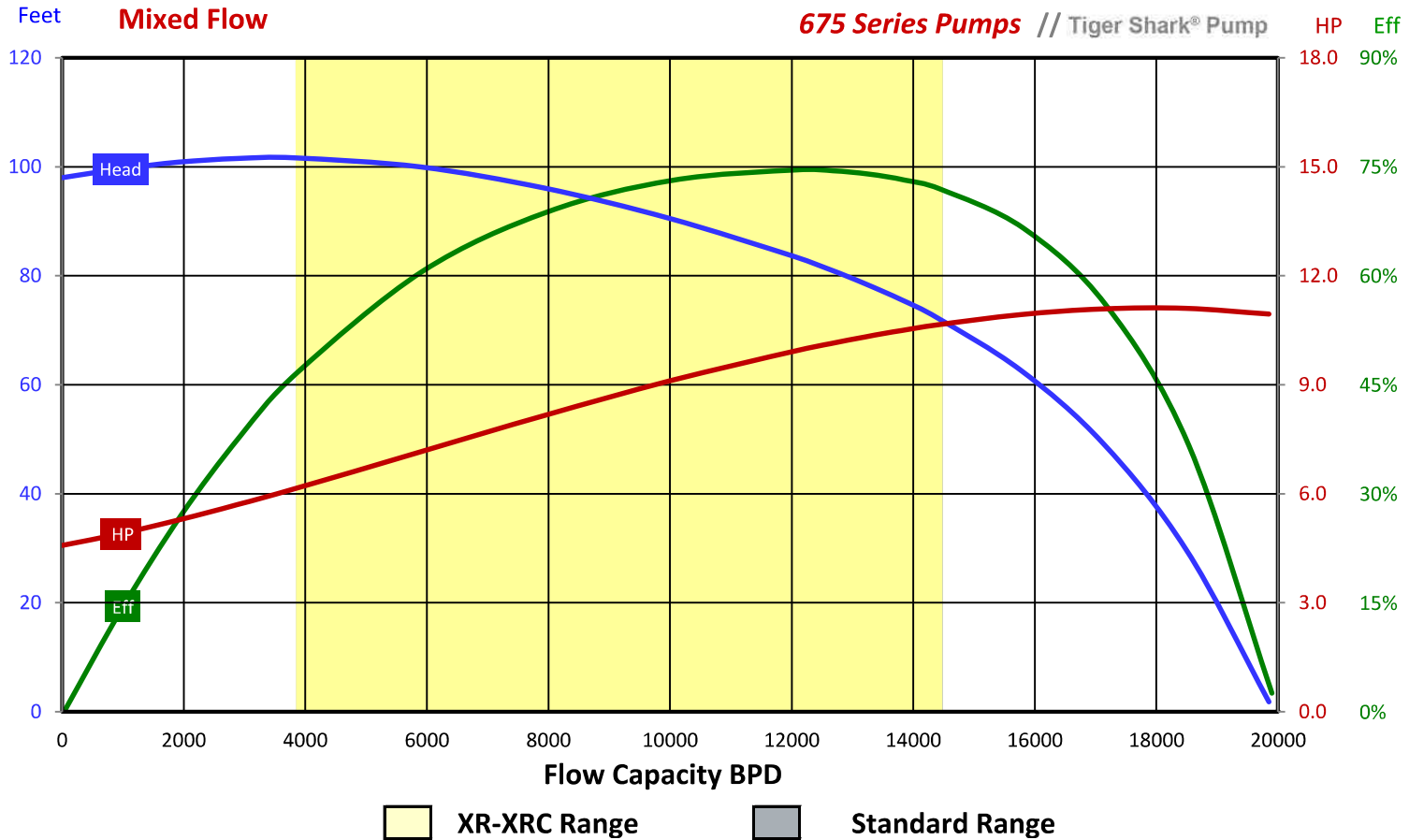
[Performance Data](#)

[Engineering Data](#)

[Dimensions](#)

PUMP PERFORMANCE CURVE

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



SH12000 Pump

Click on a button below to view more information

Performance Data

Engineering Data

Dimensions

ENGINEERING DATA

XR operating range	3,840–14,400 BPD
BEP flow rate	12,045 BPD
Housing diameter	6.75 inch
Minimum casing size	8.625 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	N/A
Fluid specific gravity	1
Rotation	CW
Standard housing pressure limit	3,000 PSI
High-pressure housing limit	3,600 PSI
Standard pump construction	XR
Optional pump construction	XRC Compression
Stage geometry	Mixed

SH12000 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	2.6	0.8	210	95
2	6	4	1.2	327	148
3	9	5.3	1.6	419	190
4	12	6.7	2	511	232
5	15	8.1	2.5	603	274
6	18	9.5	2.9	714	324
7	21	10.8	3.3	806	366
8	24	12.2	3.7	898	407
9	27	13.6	4.1	1,009	458
10	30	15	4.6	1,104	501
11	33	16.3	5	1,193	541
12	36	17.7	5.4	1,304	592
13	39	19.1	5.8	1,396	633
14	42	20.5	6.2	1,488	675
15	45	21.8	6.6	1,580	717

SH13000 Pump

Click on a button below to view more information

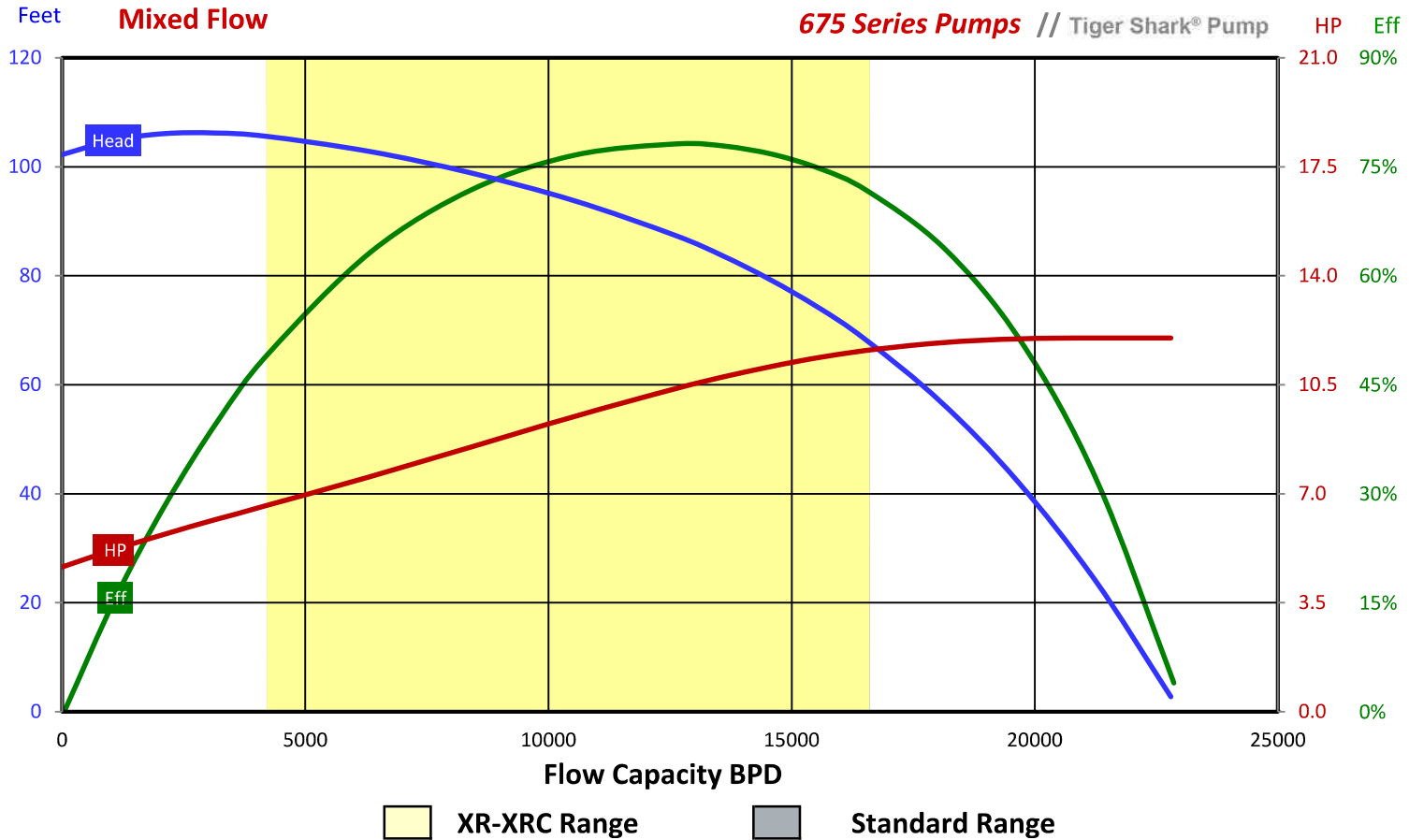
PUMP PERFORMANCE CURVE

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

[Performance Data](#)

[Engineering Data](#)

[Dimensions](#)



SH13000 Pump

Click on a button below to view more information

ENGINEERING DATA

Performance Data

Engineering Data

Dimensions

XR operating range	4,00–16,500 BPD
BEP flow rate	12,613 BPD
Housing diameter	6.75 inch
Minimum casing size	8.625 inch
Shaft diameter	1.187 inch
Shaft area	1.1066 sq. inch
Standard shaft limit	720 HP
High-strength shaft limit	1,180 HP

CCW – Counter-clockwise

Floater operating range	N/A
Fluid specific gravity	1
Rotation	CCW
Standard housing pressure limit	3,000 PSI
High-pressure housing limit	3,600 PSI
Standard pump construction	XR
Optional pump construction	XRC Compression
Stage geometry	Mixed

SH13000 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	2.6	0.8	210	95
2	6	4	1.2	327	148
3	9	5.3	1.6	419	190
4	12	6.7	2	511	232
5	15	8.1	2.5	603	274
6	18	9.5	2.9	714	324
7	21	10.8	3.3	806	366
8	24	12.2	3.7	898	407
9	27	13.6	4.1	1,009	458
10	30	15	4.6	1,104	501
11	33	16.3	5	1,193	541
12	36	17.7	5.4	1,304	592
13	39	19.1	5.8	1,396	633
14	42	20.5	6.2	1,488	675
15	45	21.8	6.6	1,580	717

SH16000 Pump

Click on a button below to view more information

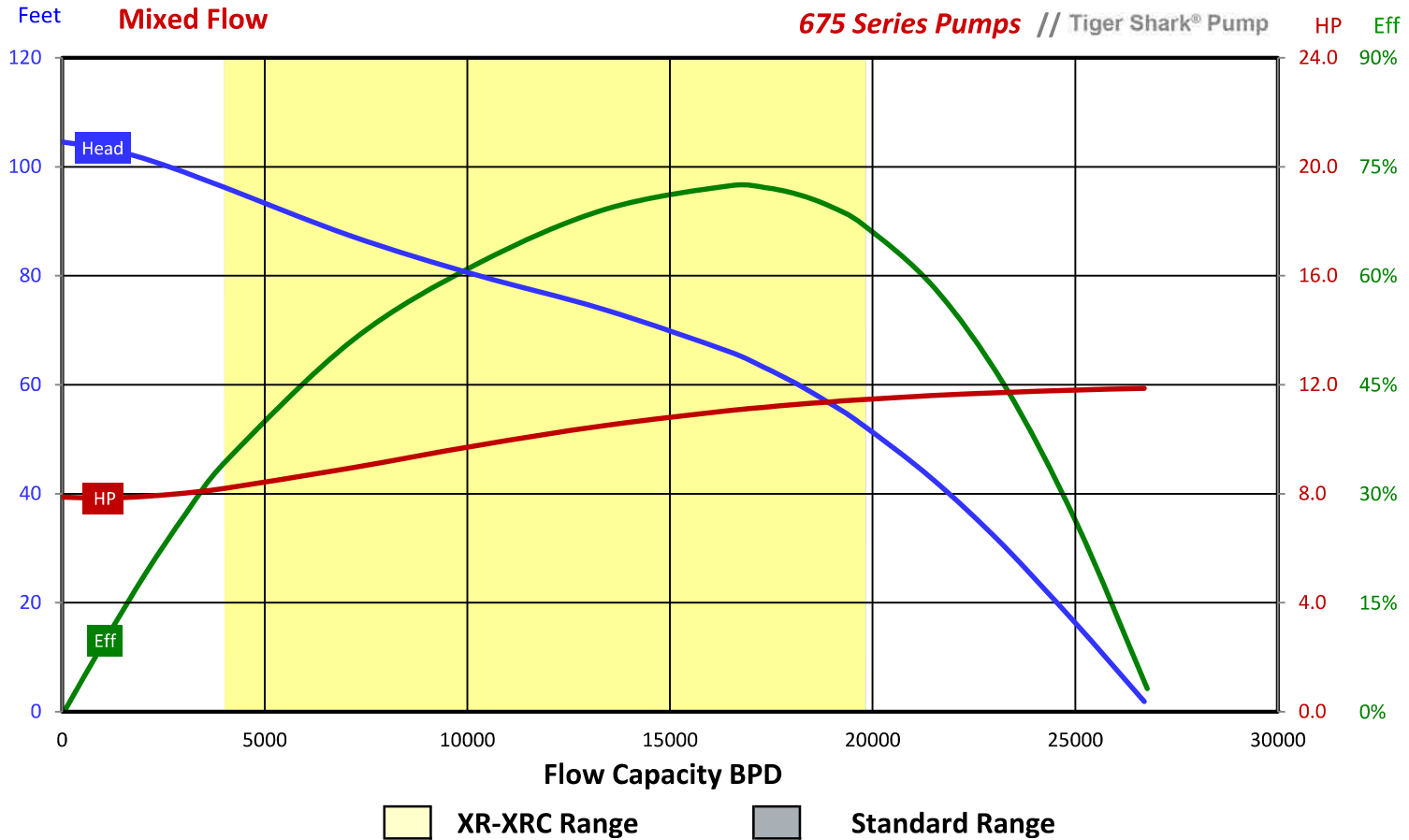
PUMP PERFORMANCE CURVE

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

Performance Data

Engineering Data

Dimensions



SH16000 Pump

Click on a button below to view more information

ENGINEERING DATA

Performance Data

Engineering Data

Dimensions

XR operating range	4,000–19,700 BPD
BEP flow rate	16,466 BPD
Housing diameter	6.75 inch
Minimum casing size	8.625 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	N/A
Fluid specific gravity	1
Rotation	CW
Standard housing pressure limit	3,000 PSI
High-pressure housing limit	3,600 PSI
Standard pump construction	XR
Optional pump construction	XRC Compression
Stage geometry	Mixed

SH16000 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	2.6	0.8	210	95
2	7	4	1.2	327	148
3	10	5.3	1.6	419	190
4	13	6.7	2	511	232
5	17	8.1	2.5	603	274
6	20	9.5	2.9	714	324
7	24	10.8	3.3	806	366
8	27	12.2	3.7	898	407
9	31	13.6	4.1	1,009	458
10	34	15	4.6	1,104	501
11	38	16.3	5	1,193	541
12	41	17.7	5.4	1,304	592
13	45	19.1	5.8	1,396	633
14	48	20.5	6.2	1,488	675
15	52	21.8	6.6	1,580	717

SH20000 Pump

Click on a button below to view more information

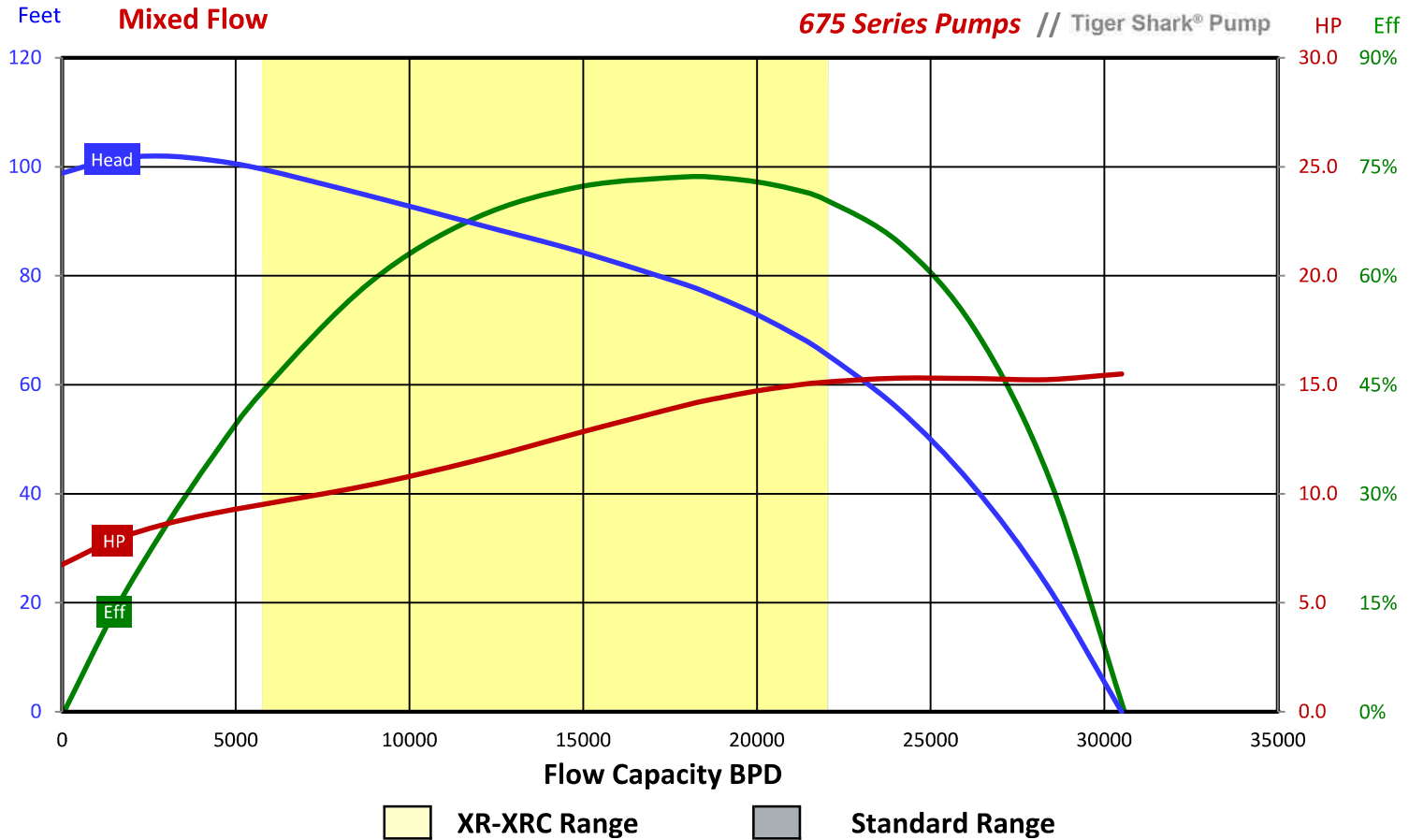
PUMP PERFORMANCE CURVE

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

Performance Data

Engineering Data

Dimensions



SH20000 Pump

Click on a button below to view more information

ENGINEERING DATA

Performance Data

Engineering Data

Dimensions

XR operating range	5,750–21,900 BPD
BEP flow rate	17,931 BPD
Housing diameter	6.75 inch
Minimum casing size	8.625 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	N/A
Fluid specific gravity	1
Rotation	CW
Standard housing pressure limit	3,000 PSI
High-pressure housing limit	3,600 PSI
Standard pump construction	XR
Optional pump construction	XRC Compression
Stage geometry	Mixed

SH20000 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	3	2.6	0.8	210	95
2	6	4	1.2	327	148
3	9	5.3	1.6	419	190
4	12	6.7	2	511	232
5	15	8.1	2.5	603	274
6	18	9.5	2.9	714	324
7	21	10.8	3.3	806	366
8	24	12.2	3.7	898	407
9	27	13.6	4.1	1,009	458
10	30	15	4.6	1,104	501
11	33	16.3	5	1,193	541
12	36	17.7	5.4	1,304	592
13	39	19.1	5.8	1,396	633
14	42	20.5	6.2	1,488	675
15	45	21.8	6.6	1,580	717

SH21000 Pump

Click on a button below to view more information

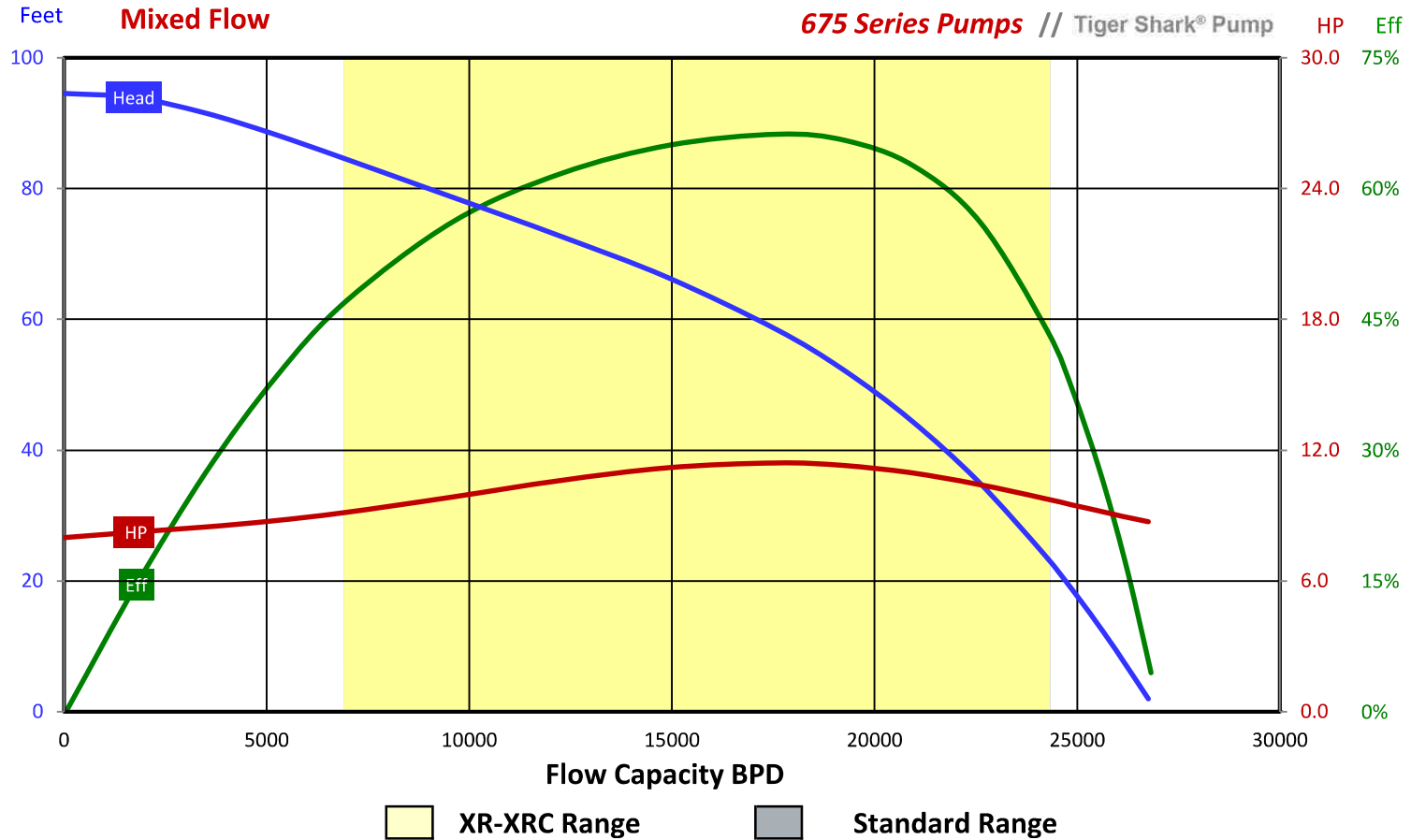
PUMP PERFORMANCE CURVE

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

[Performance Data](#)

[Engineering Data](#)

[Dimensions](#)



SH21000 Pump

Click on a button below to view more information

ENGINEERING DATA

Performance Data

Engineering Data

Dimensions

XR operating range	6,896–24,200 BPD
BEP flow rate	17,555 BPD
Housing diameter	6.75 inch
Minimum casing size	8.625 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	N/A
Fluid specific gravity	1
Rotation	CW
Standard housing pressure limit	3,000 PSI
High-pressure housing limit	3,600 PSI
Standard pump construction	XR
Optional pump construction	XRC Compression
Stage geometry	Mixed

SH21000 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	2.6	0.8	210	95
2	5	4	1.2	327	148
3	8	5.3	1.6	419	190
4	11	6.7	2	511	232
5	13	8.1	2.5	603	274
6	16	9.5	2.9	714	324
7	19	10.8	3.3	806	366
8	22	12.2	3.7	898	407
9	24	13.6	4.1	1009	458
10	27	15	4.6	1104	501
11	30	16.3	5	1193	541
12	33	17.7	5.4	1304	592
13	35	19.1	5.8	1396	633
14	38	20.5	6.2	1488	675
15	41	21.8	6.6	1580	717

SH27000 Pump

Click on a button below to view more information

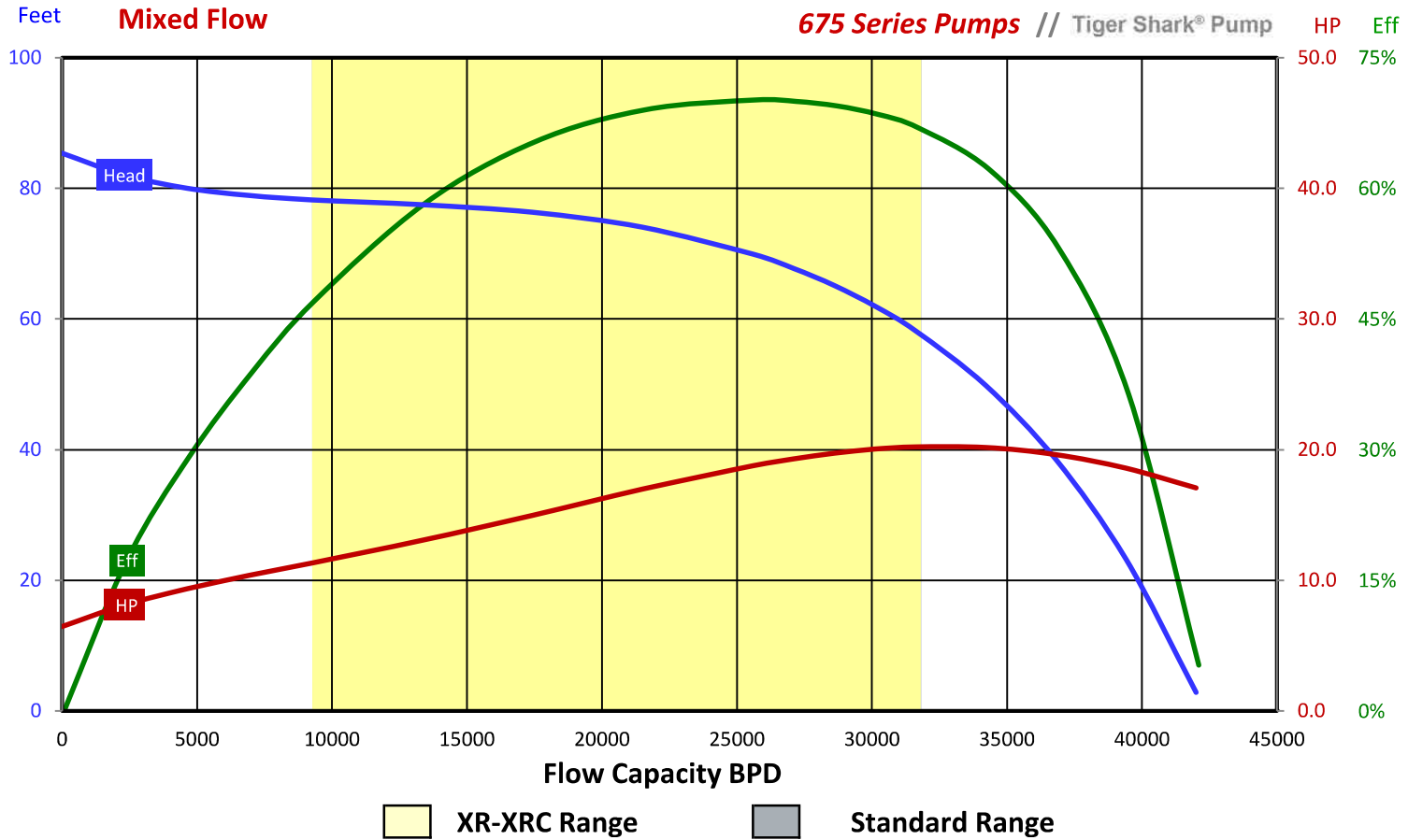
[Performance Data](#)

[Engineering Data](#)

[Dimensions](#)

PUMP PERFORMANCE CURVE

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



SH27000 Pump

Click on a button below to view more information

ENGINEERING DATA

Performance Data

Engineering Data

Dimensions

XR operating range	9,250–31,625 BPD
BEP flow rate	25,584 BPD
Housing diameter	6.75 inch
Minimum casing size	8.625 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	N/A
Fluid specific gravity	1
Rotation	CW
Standard housing pressure limit	3,000 PSI
High-pressure housing limit	3,600 PSI
Standard pump construction	XR
Optional pump construction	XRC Compression
Stage geometry	Mixed

SH27000 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	2.6	0.8	210	95
2	4	4	1.2	327	148
3	7	5.3	1.6	419	190
4	10	6.7	2	511	232
5	12	8.1	2.5	603	274
6	15	9.5	2.9	714	324
7	17	10.8	3.3	806	366
8	20	12.2	3.7	898	407
9	22	13.6	4.1	1,009	458
10	25	15	4.6	1,104	501
11	27	16.3	5	1,193	541
12	30	17.7	5.4	1,304	592
13	32	19.1	5.8	1,396	633
14	35	20.5	6.2	1,488	675
15	37	21.8	6.6	1,580	717

SH35000 Pump

Click on a button below to view more information

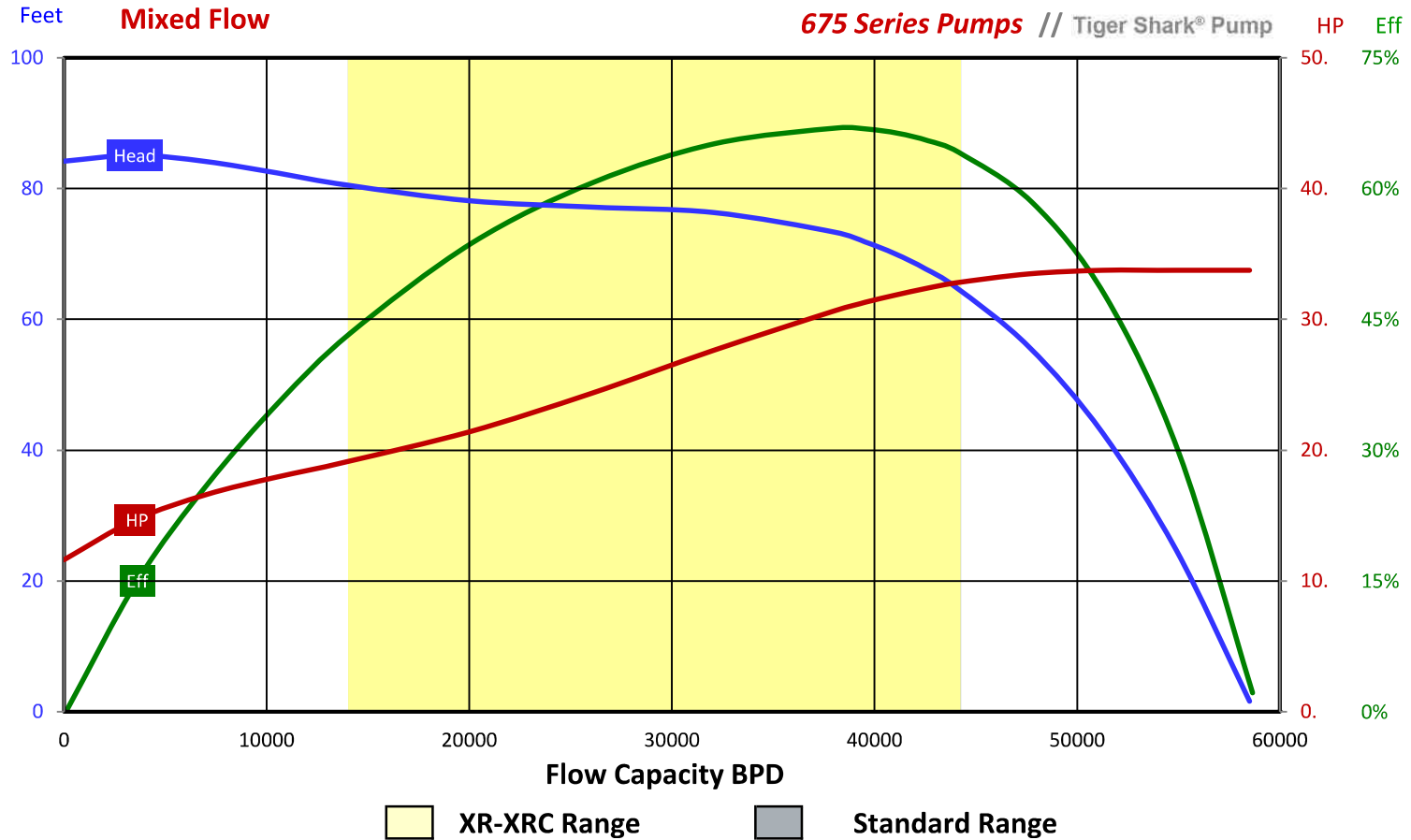
[Performance Data](#)

[Engineering Data](#)

[Dimensions](#)

PUMP PERFORMANCE CURVE

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



SH35000 Pump

Click on a button below to view more information

ENGINEERING DATA

Performance Data

Engineering Data

Dimensions

XR operating range	14,000–44,000 BPD
BEP flow rate	38,030 BPD
Housing diameter	6.75 inch
Minimum casing size	8.625 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	N/A
Fluid specific gravity	1
Rotation	CW
Standard housing pressure limit	3,000 PSI
High-pressure housing limit	3,600 PSI
Standard pump construction	XR
Optional pump construction	XRC Compression
Stage geometry	Mixed

SH35000 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	2	2.6	0.8	210	95
2	4	4	1.2	327	148
3	7	5.3	1.6	419	190
4	10	6.7	2	511	232
5	12	8.1	2.5	603	274
6	15	9.5	2.9	714	324
7	17	10.8	3.3	806	366
8	20	12.2	3.7	898	407
9	22	13.6	4.1	1,009	458
10	25	15	4.6	1,104	501
11	27	16.3	5	1,193	541
12	30	17.7	5.4	1,304	592
13	32	19.1	5.8	1,396	633
14	35	20.5	6.2	1,488	675
15	37	21.8	6.6	1,580	717