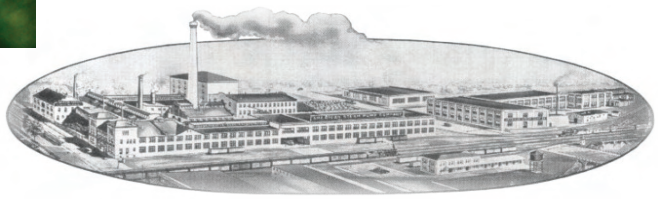
AMERICAN-MARSH PUMPS

"DURABILITY BY DESIGN SINCE 1873"

480 Series
Submersible Turbine Pumps



www.american-marsh.com

Engineered Process Group

Water Systems Group

480 Series Submersible Turbine Pumps

Performance Data

Discharge Size:	4" through 16+"
Capacity:	50 to 3500+ GPM @ "BEP"
HP:	2 to 250+ HP
Head:	Up to 2250 FEET

Applications

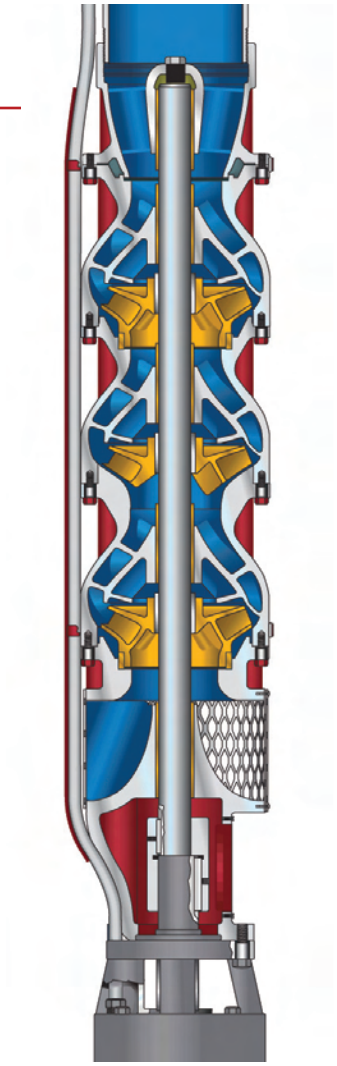
Commercial

Irrigation

Industrial

Mining

Municipal



Features & Benefits

- All flanged bowl construction for ease in service
- Vitreous, enamel porcelin glass lining on all bowls through 20" diameter
- Heavy duty discharge case with dual bearing design
- Ductile iron suction and discharge castings
- Stainless steel upthrust bolts provides superior up-thrust protection
- Heavy duty bowl bearings standard
- Contoured suction bracket water passageways increase pump efficiency
- Pump suction channels water above suction bracket bearing preventing abrasives from entering bearing
- 416 stainless steel bowl shaft
- Stainless steel impellers with stainless steel collets
- Stainless steel cable guard
- All stainless steel bowl hardware

Materials Of Construction

Item	Standard Construction	ASTM Reference	Feature
Suction Bracket	Ductile Iron	A536 65-45-12	6", 8" or 10" motot fit
Suction Bearing	Bronze	B505 C954	Improved shaft stability
Top Bowl	Ductile Iron	A536 65-45-12	Flanged
Intermediate Bowl	Cast Iron	A48 Class 30	Flanged
Bowl Bearing	Bronze Alternate - Nitrile Rubber		Heavy duty with many optional materials available
Impeller	304 Stainless Steel	A743 CF-8	High efficiency design
Taper Lock Collet	Stainless Steel	A276	Secures locking of impeller
Sand Collar	Stainless Steel	A276	Protects bearing
Bowl Shaft	416 Stainless Steel	A582 416	Corrosion resistant
Discharge Bracket	Ductile Iron	A536 65-45-12	4" through 10" sizes
Discharge Bearing	Bronze	B505 C954	Heavy duty
Upthrust Bolt	Stainless Steel	A320 304	Protects the pump
Suction Screen	Stainless Steel	A666	Non-Collapsible
Bolting	Stainless Steel	A320 304	Easy maintenance
Shaft Coupling	Stainless Steel	A276	Keyed to pump by set screws splined to shaft
Cable Guard	Stainless Steel	A666	Corrosion resistant

Discharge Elbow
Heavy duty, fabricated & engineered to connect to system piping.

Discharge Pipe
Threaded or flanged for ease in installation.

Upthrust Bolt
Protects the pump from momentary upthrust at start-up and is set at the factory.

Discharge Bracket
Heavy duty casting with threaded NPT connection that supports the oversized discharge bearing.

Bolting, Fasteners & Cable Guard
Stainless steel for corrosion resistance.

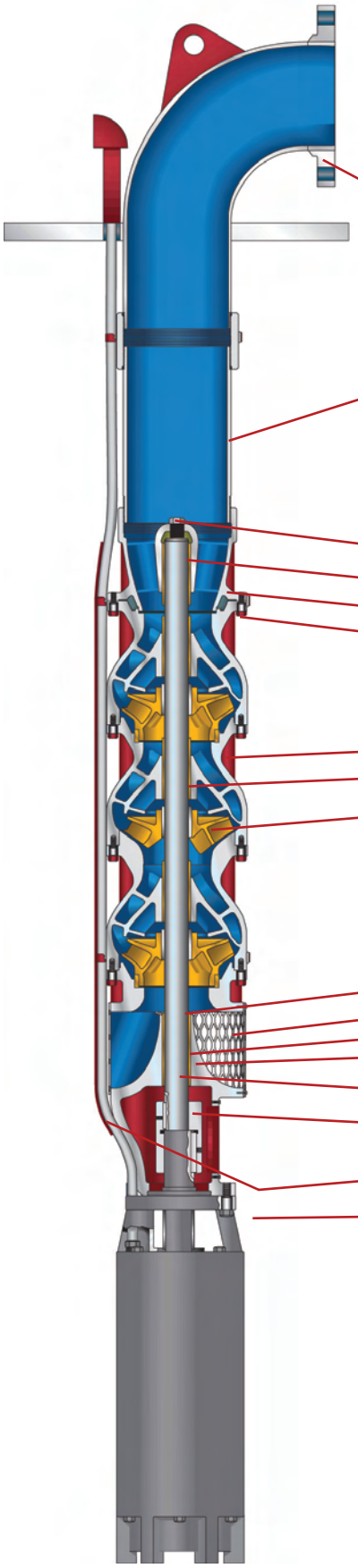
Intermediate Bowl
Heavy duty, class 30 cast iron, and flanged to house impeller and support the intermediate bowl bearings. Bowls 5" through 18" have vitreous enamel porcelin glass lining for increased pump efficiency.

Impeller
Enclosed design to optimize efficiency with a machined taper-lock designed to lock the impeller to the bowl shaft. All impellers are single plane balanced to Hydraulic Institute standards.

Pump Shaft
Minimum 100,000 psi tensile strength for maximum strength and corrosion resistance, ground, polished, machined and heat straightened for smooth pump performance.

Suction Bracket
Heavy duty, ductile iron and flanged to ensure precision motor alignment, contoured for smooth flow entrance and supports the sand collar and suction bearing.

Suction Screen
Stainless steel, non collapsible and corrosion resistant.



At American-Marsh, we are proud of the loyalty of our customers. Many have been with us for more than a century. We thank you for your interest in our products and invite you to join our long list of satisfied customers.

World Headquarters
American-Marsh Pumps
185 Progress Road
Collierville, TN 38017
Phone: (800) 888-7167
Fax: (901) 860-2323

Florida Distribution Center
2805 Badger Road
Lakeland, FL 33811
Phone: (800) 444-7167
Fax: (863) 646-5969

California Distribution Center
3269 East North Building D
Fresno, CA 93745
Phone: (800) 288-7167
Fax: (559) 485-8663

Nebraska Distribution Center
2599 South Cornhusker Avenue
Hastings, NE 68901
Phone: (800) 408-7167
Fax: (402) 461-4751

Louisiana Distribution Center
1626 Walker Road
Scott, LA 70583
Phone: (800) 506-7167
Fax: (337) 237-9298

AMERICAN-MARSH PUMPS
"DURABILITY BY DESIGN SINCE 1873"
www.american-marsh.com

American-Marsh Pumps, one of the oldest pump lines in America, are pump products steeped in heritage. Since 1873, the American-Marsh line of pumps have withstood the test of time. Over the last 135 years, over 100 varieties of pumps have been designed and built. From steam pumps to centrifugal pumps, American-Marsh pumps have been built to meet the ever changing requirements of society. Over the last century, through continuous product development, more American-Marsh models have been retired than most other pump manufacturers have ever produced. Hundreds of thousands of pumps have been built, all designed with long life in mind, allowing many of them to last over 50 years in service.

Today, look to us for the complete offering of American-Marsh Pumps, consisting of 18 product lines to serve your every need. Whether your need is a self-priming diaphragm pump, a stainless steel vertical sump pump, or anything in between, American-Marsh Pumps will provide you with a durable, hi-quality solution.

Build a world class quality product, and back it with knowledgeable customer service staff just as experienced and proven as our pumps.

Take a specialized product, and provide a simple process to obtain the information and delivery you require . Our heritage of quality pumps goes back to 1873 and continues today, emphasizing durability in the design and construction of every pump we make. American Marsh Pumps, an American tradition since 1873.

Our entire product family reflects years of customer input, product upgrades, redesign and new product development...all focused on meeting and exceeding our customers expectations. For over 135 years, the American-Marsh Pump designs have proven their durability by withstanding the test of time. Our commitment to customer service and satisfaction will ensure that the American-Marsh Pumps Product line will be around for the next 135 years.

The original American-Marsh facility located in Battle Creek, Michigan, USA (Photo taken around 1950).

American-Marsh Pumps

185 Progress Road
Collierville, TN 38017

Engineered Process Group

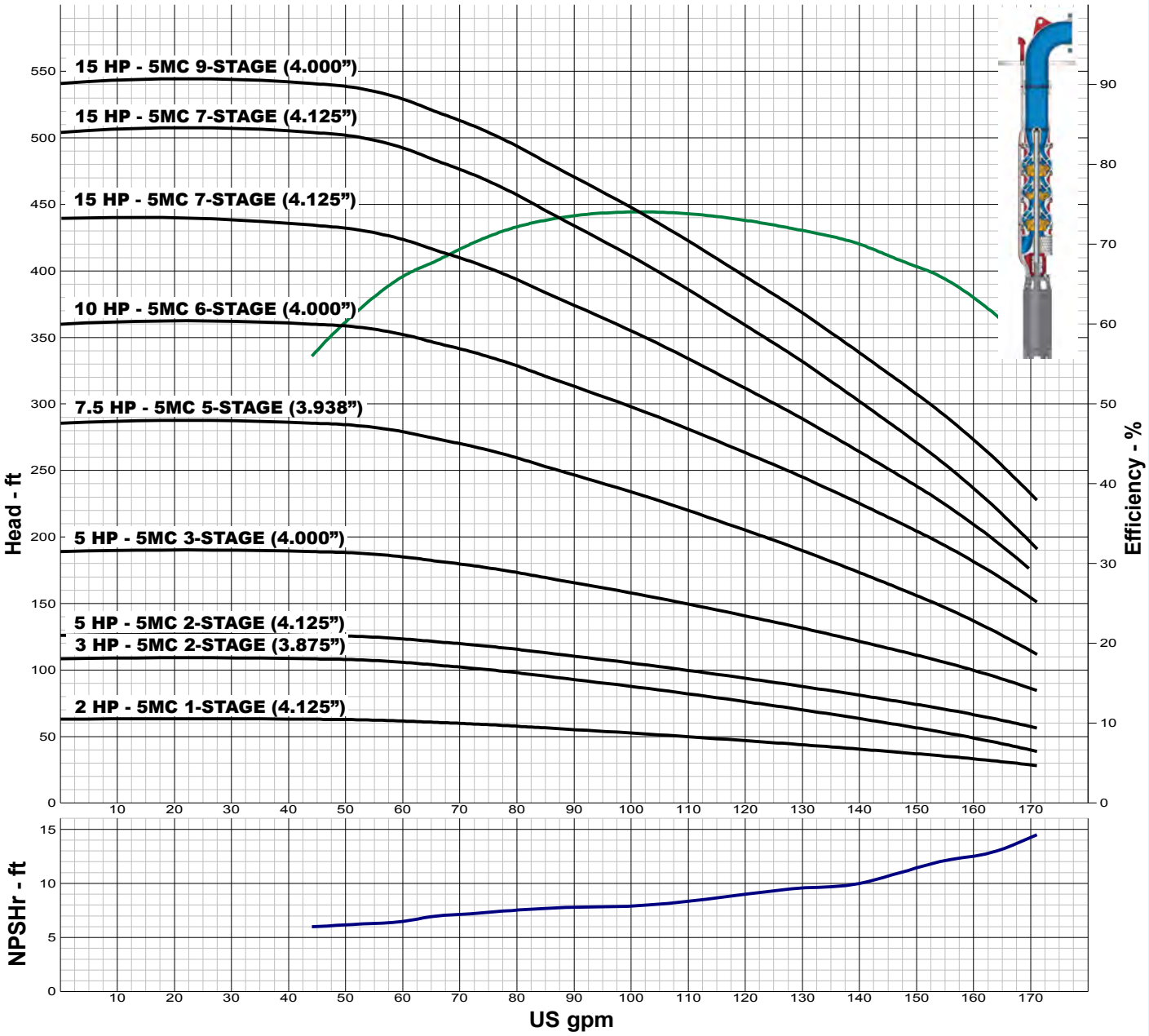
Water Systems Group

TURBINE PUMP CURVE

AMERICAN-MARSH PUMPS

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES 5MC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	0189
TYPE	ENCLOSED
THRUST FACTOR	K=2.30
EYE AREA	3.82 SQ. IN.
WEIGHT	1.70 LB.

Minimum submergence above eye of bottom impeller: 10 IN.

THREADED BOWL DATA

BOWL NUMBER	0320
BOWL MAX. DIAMETER	5.500 IN.
BOWL MIN. DIAMETER	5.250 IN.
MAX. NO. STAGES	28
ONE STAGE WEIGHT	45 LB.
ADD STAGE WEIGHT	12 LB.
STD. SHAFT DIA.	1.000 IN.
DISCHARGE SIZE	4 IN.
DISCHARGE CONNECTION	THD
MAX. SPHERE SIZE	0.375 IN.
MAX. OPERATIONAL P.S.I.	360 (SPECIAL)

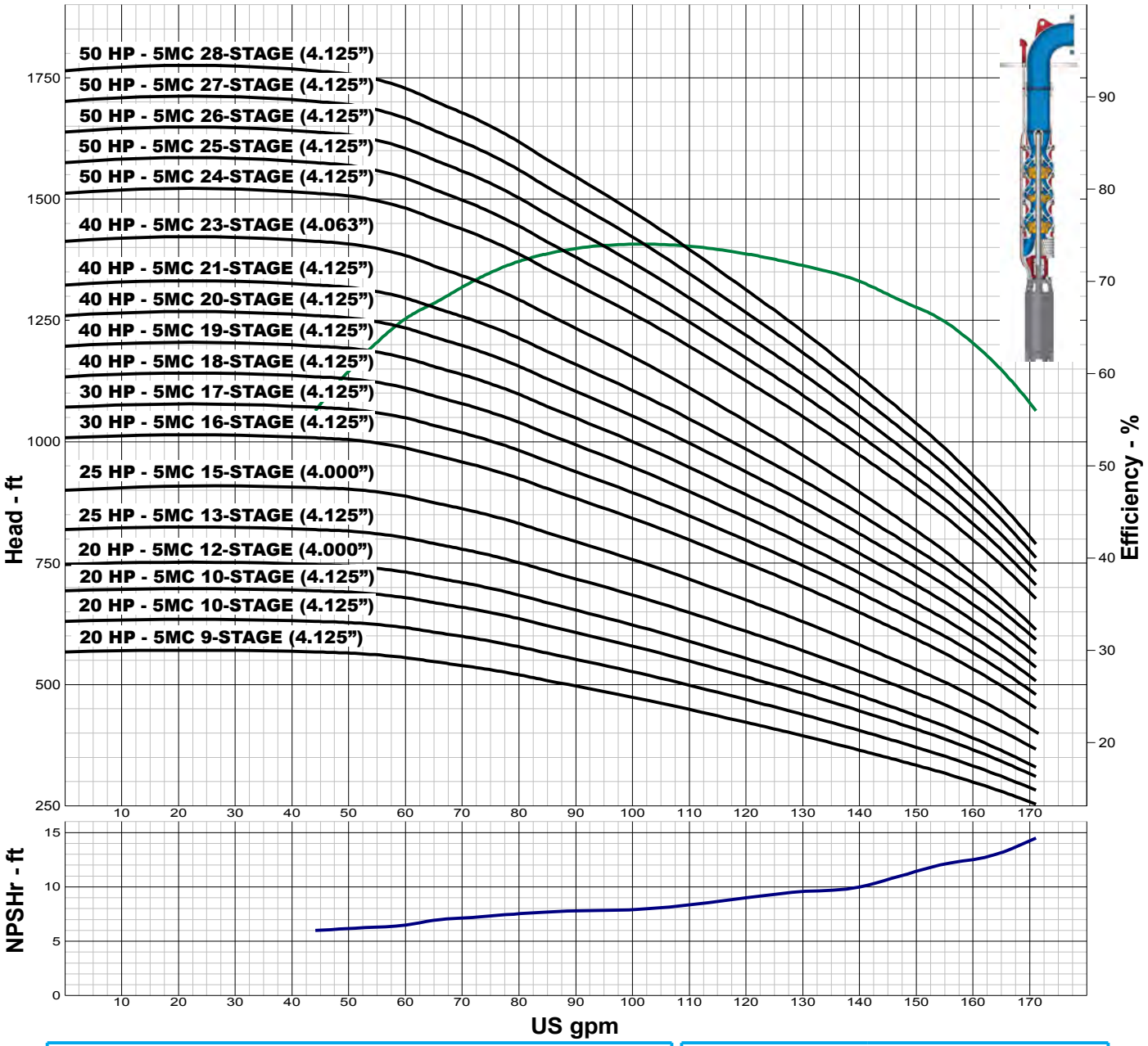
Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

5MC 3450 RPM



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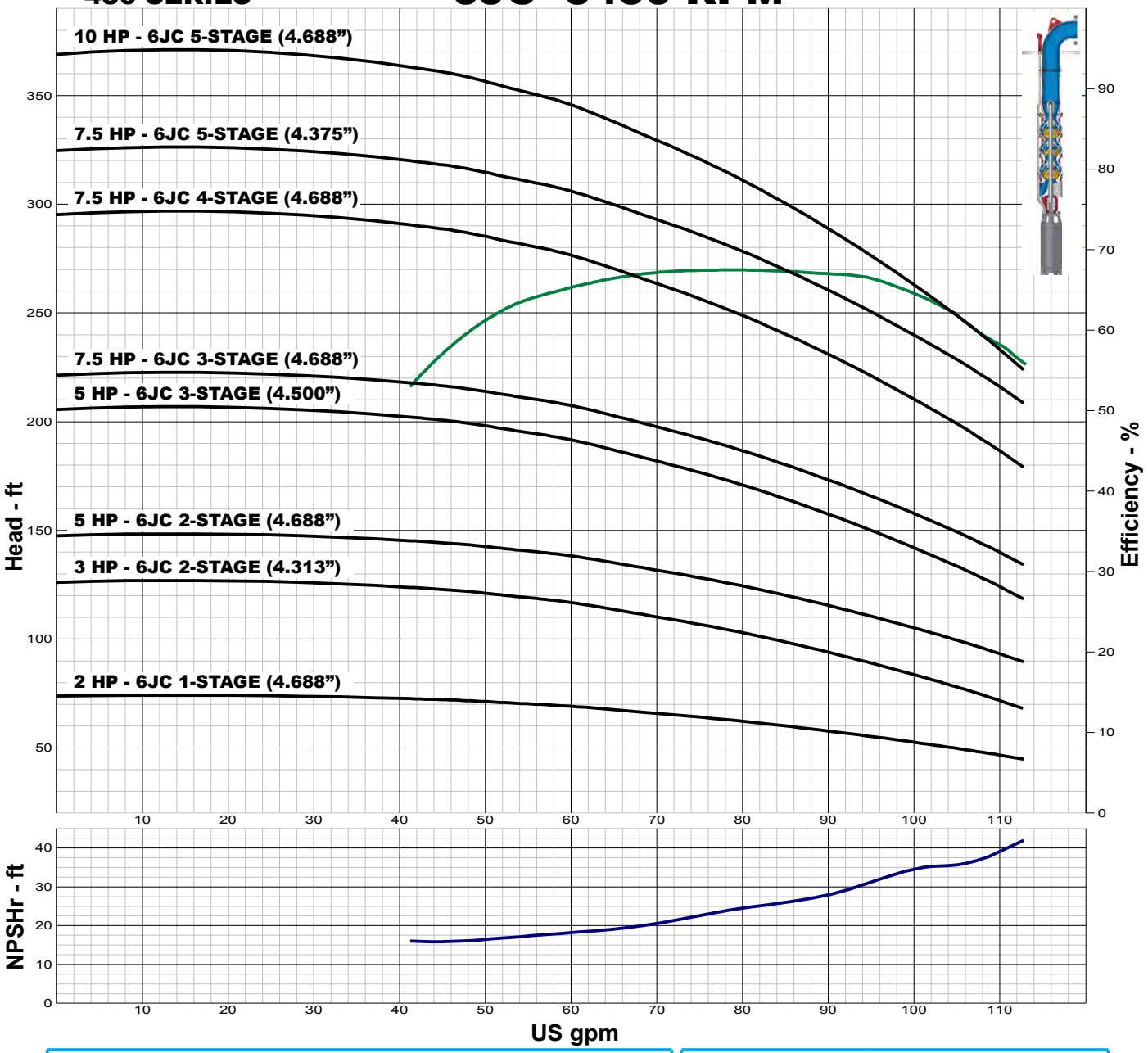
TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES 6JC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	6404
TYPE	ENCLOSED
THRUST FACTOR	K=1.56
EYE AREA	2.41 SQ. IN.
WEIGHT	1.80 LB.

Minimum submergence above eye of bottom impeller: 10 IN.

FLANGED BOWL DATA

BOWL NUMBER	6515
BOWL MAX. DIAMETER	5.8753 IN.
BOWL MIN. DIAMETER	5.563 IN.
MAX. NO. STAGES	60
ONE STAGE WEIGHT	75 LB.
ADD STAGE WEIGHT	15 LB.
STD. SHAFT DIA.	0.750 IN.
DISCHARGE SIZE	4 IN.
DISCHARGE CONNECTION	THD
MAX. SPHERE SIZE	0.125 IN.
MAX. OPERATIONAL P.S.I.	360 (SPECIAL)

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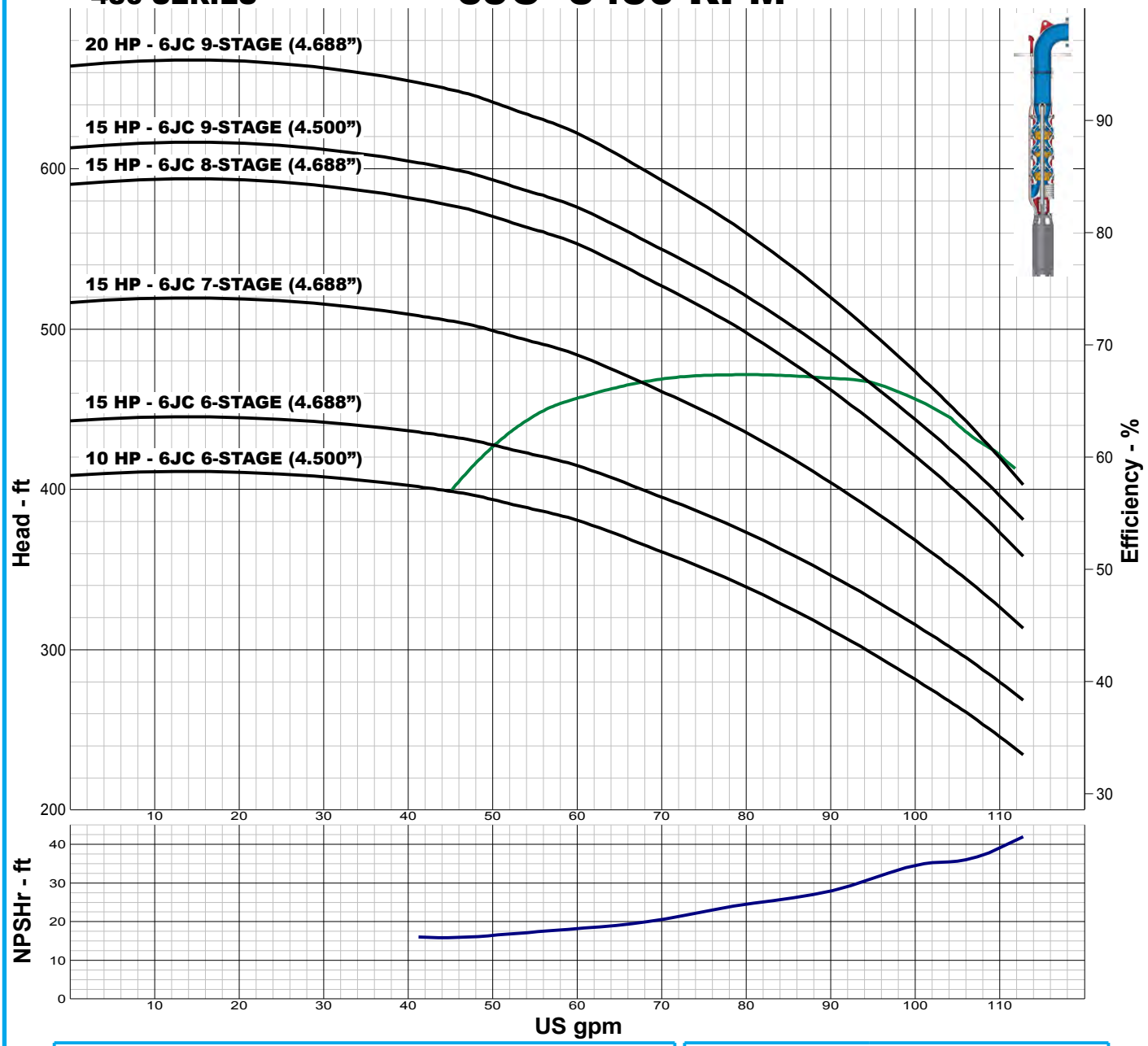
TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

6JC 3450 RPM



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TURBINE PUMP CURVE

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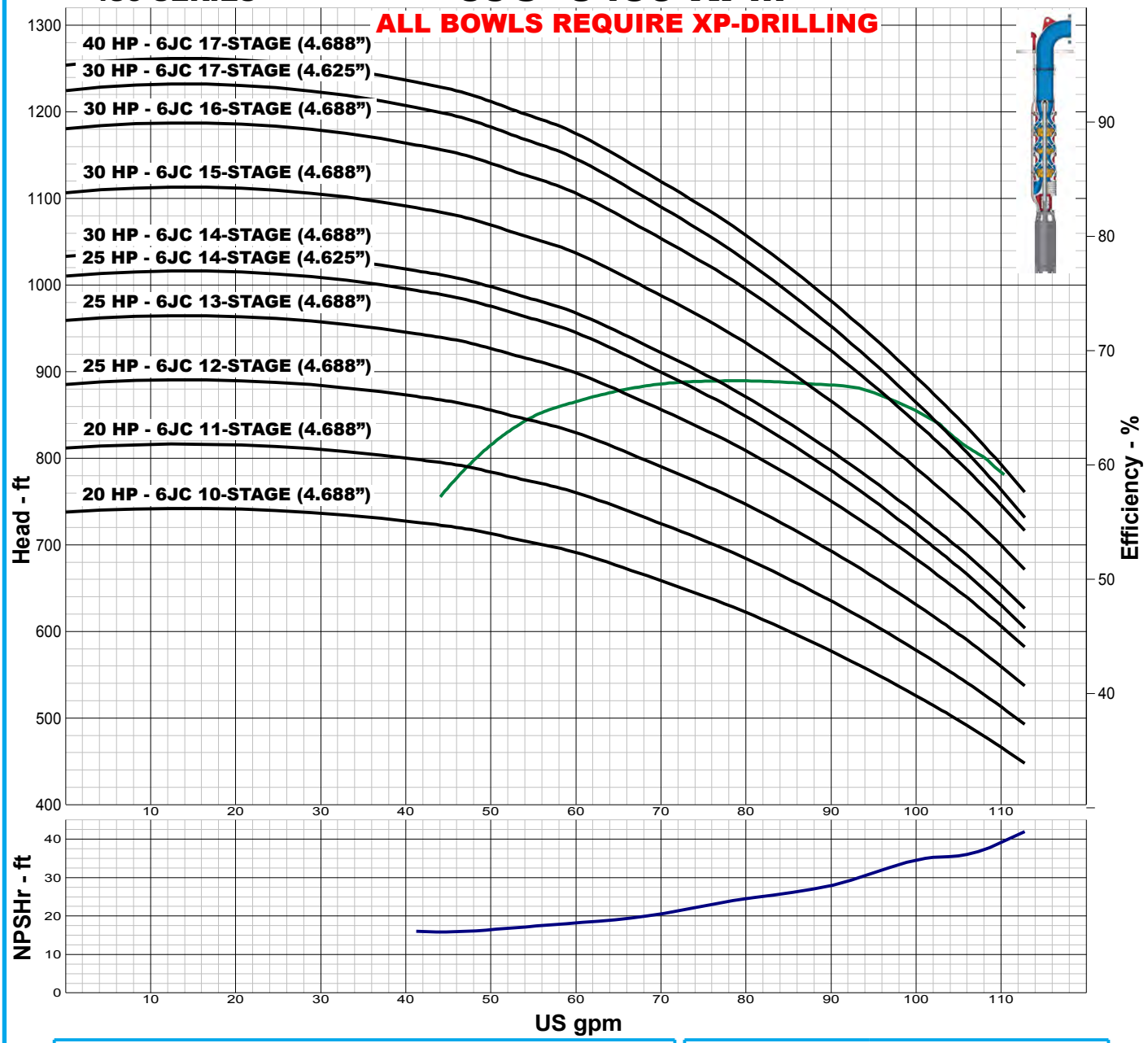
480 SERIES

6JC 3450 RPM



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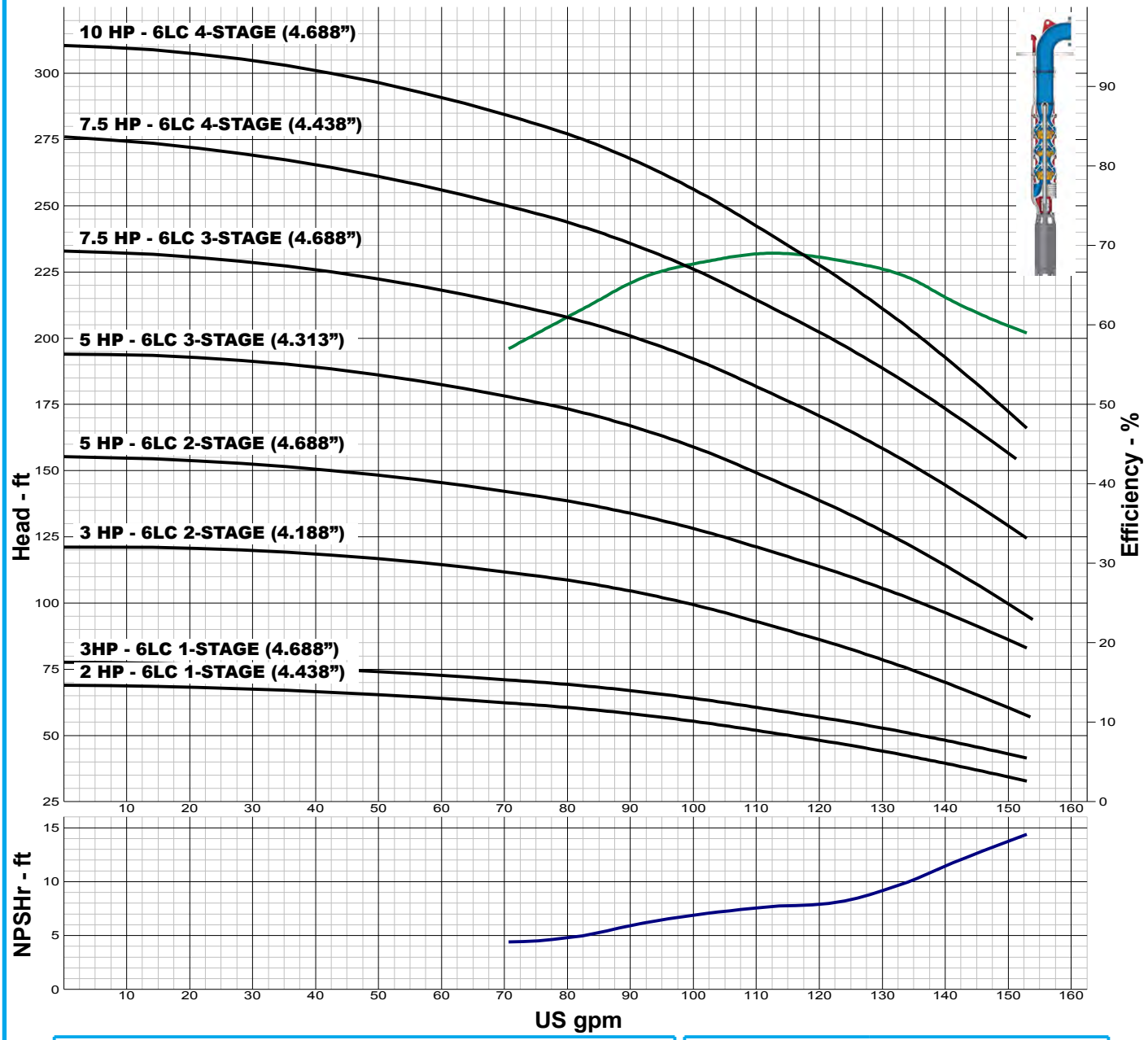
TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

6LC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	6505
TYPE	ENCLOSED
THRUST FACTOR	K=1.56
EYE AREA	2.41 SQ. IN.
WEIGHT	2.25 LB.

Minimum submergence above eye of bottom impeller: 10 IN.

FLANGED BOWL DATA

BOWL NUMBER	6515
BOWL MAX. DIAMETER	5.875 IN.
BOWL MIN. DIAMETER	5.563 IN.
MAX. NO. STAGES	51
ONE STAGE WEIGHT	75 LB.
ADD STAGE WEIGHT	15 LB.
STD. SHAFT DIA.	0.750 IN.
DISCHARGE SIZE	4 IN.
DISCHARGE CONNECTION	THD
MAX. SPHERE SIZE	0.125 IN.
MAX. OPERATIONAL P.S.I.	360 (SPECIAL)

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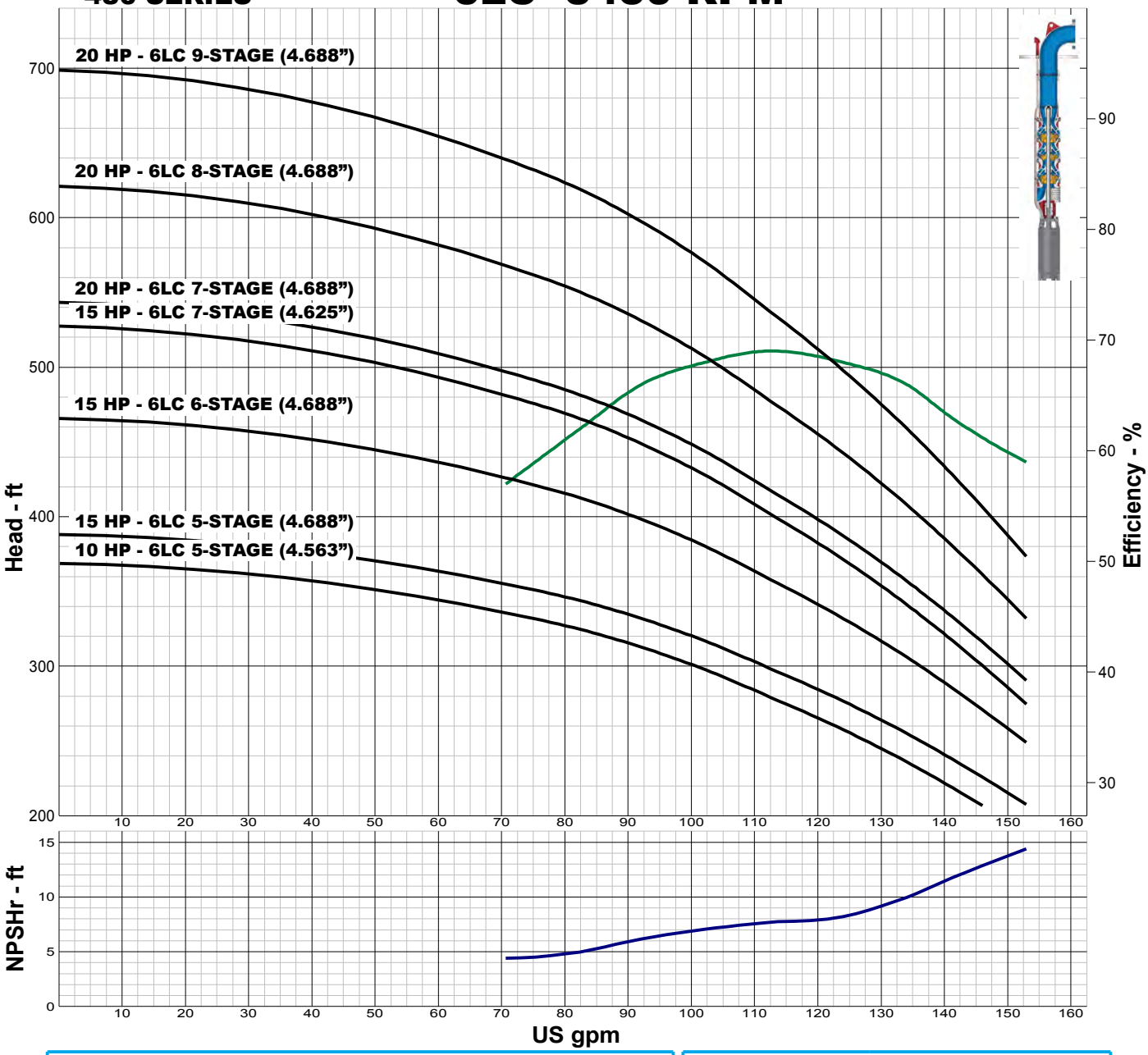
TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES 6LC 3450 RPM



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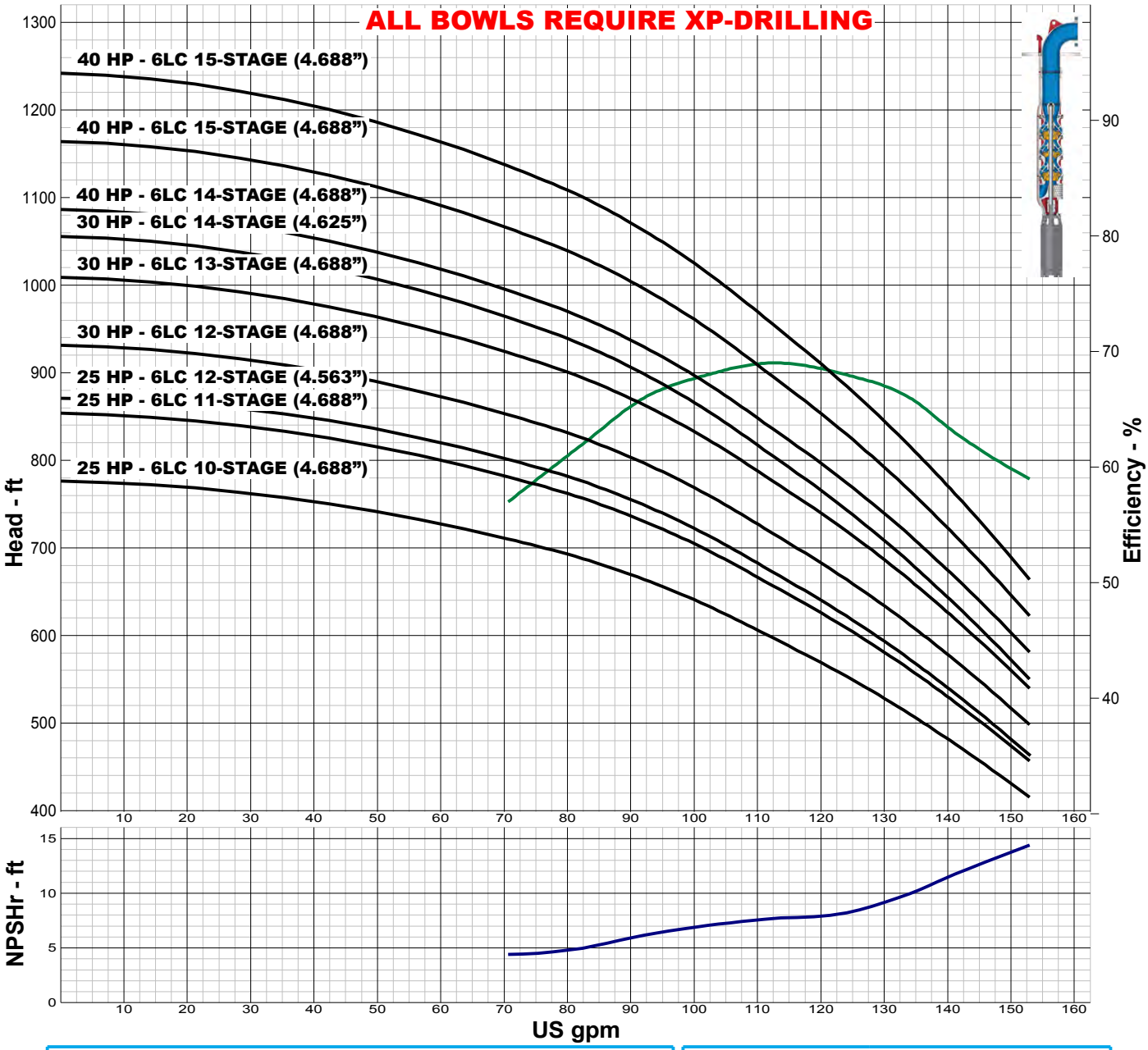
TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

6LC 3450 RPM

ALL BOWLS REQUIRE XP-DRILLING



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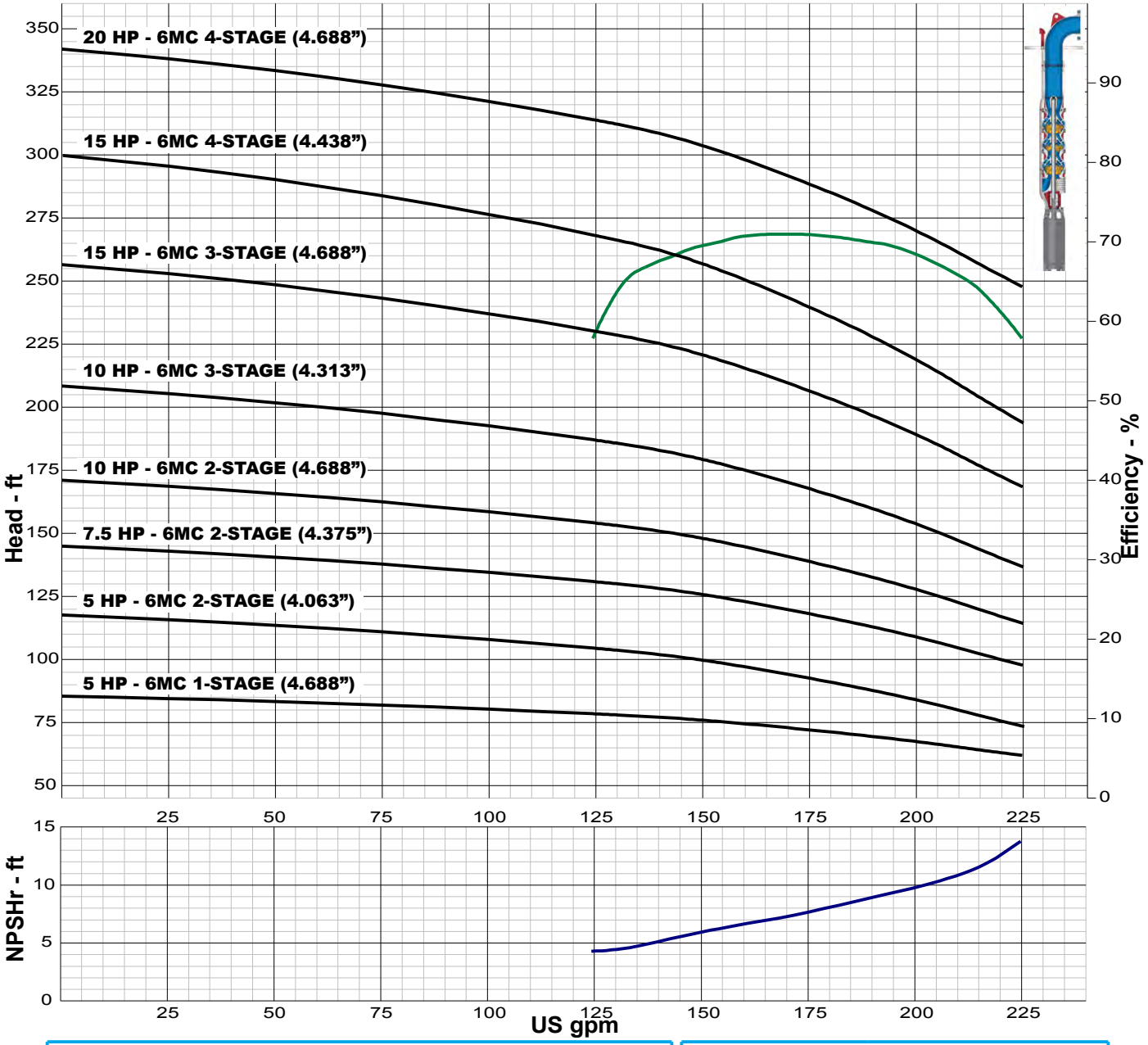
TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

6MC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	6706
TYPE	ENCLOSED
THRUST FACTOR	K=2.24
EYE AREA	3.20 SQ. IN.
WEIGHT	2.15 LB.

Minimum submergence above eye of bottom impeller: 10 IN.

FLANGED BOWL DATA

BOWL NUMBER	6616
BOWL MAX. DIAMETER	5.813 IN.
BOWL MIN. DIAMETER	5.563 IN.
MAX. NO. STAGES	26
ONE STAGE WEIGHT	75 LB.
ADD STAGE WEIGHT	12 LB.
STD. SHAFT DIA.	1.000 IN.
DISCHARGE SIZE	4 IN.
DISCHARGE CONNECTION	THD
MAX. SPHERE SIZE	0.188 IN.
MAX. OPERATIONAL P.S.I.	360 (SPECIAL)

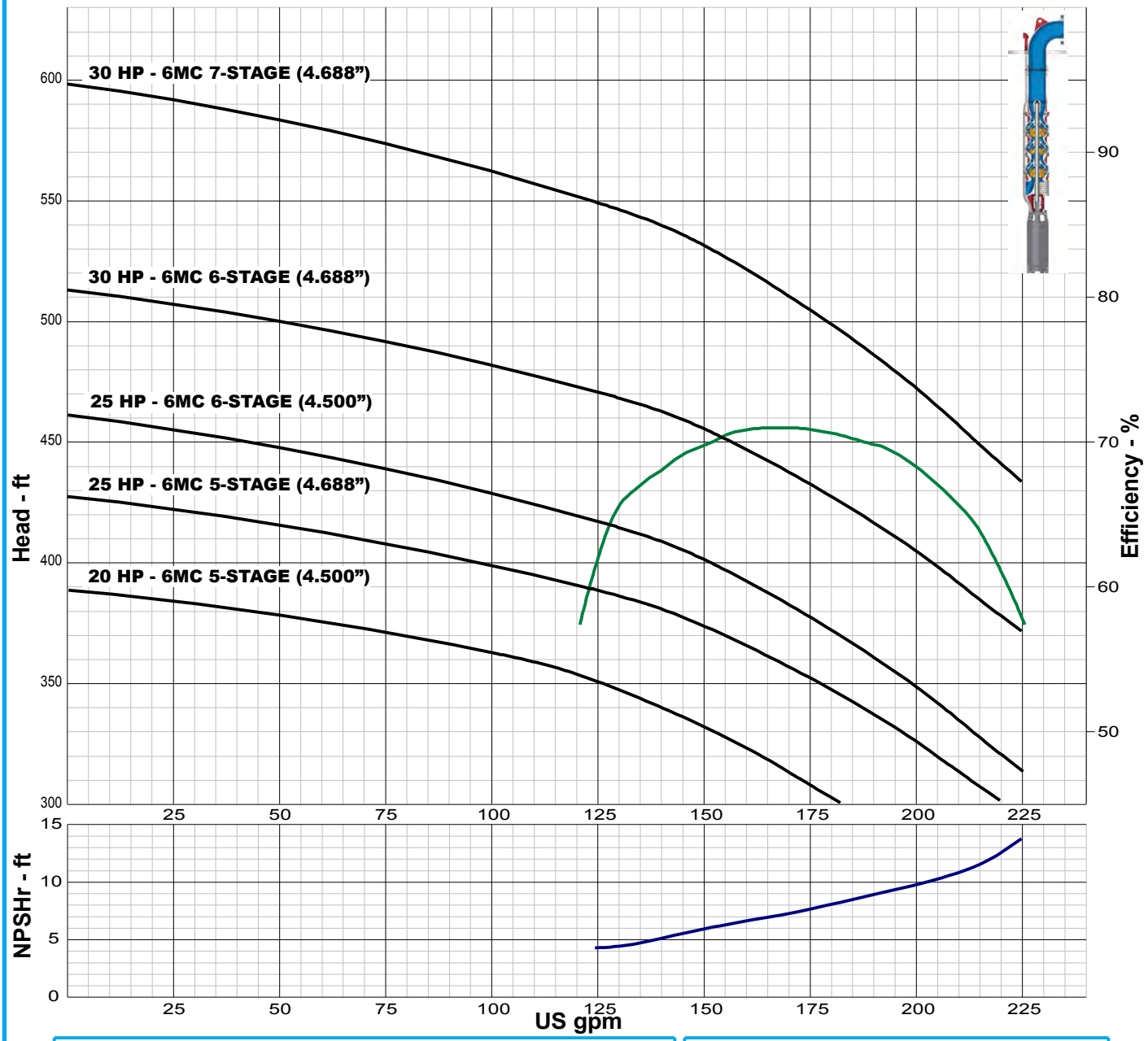
Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

6MC 3450 RPM



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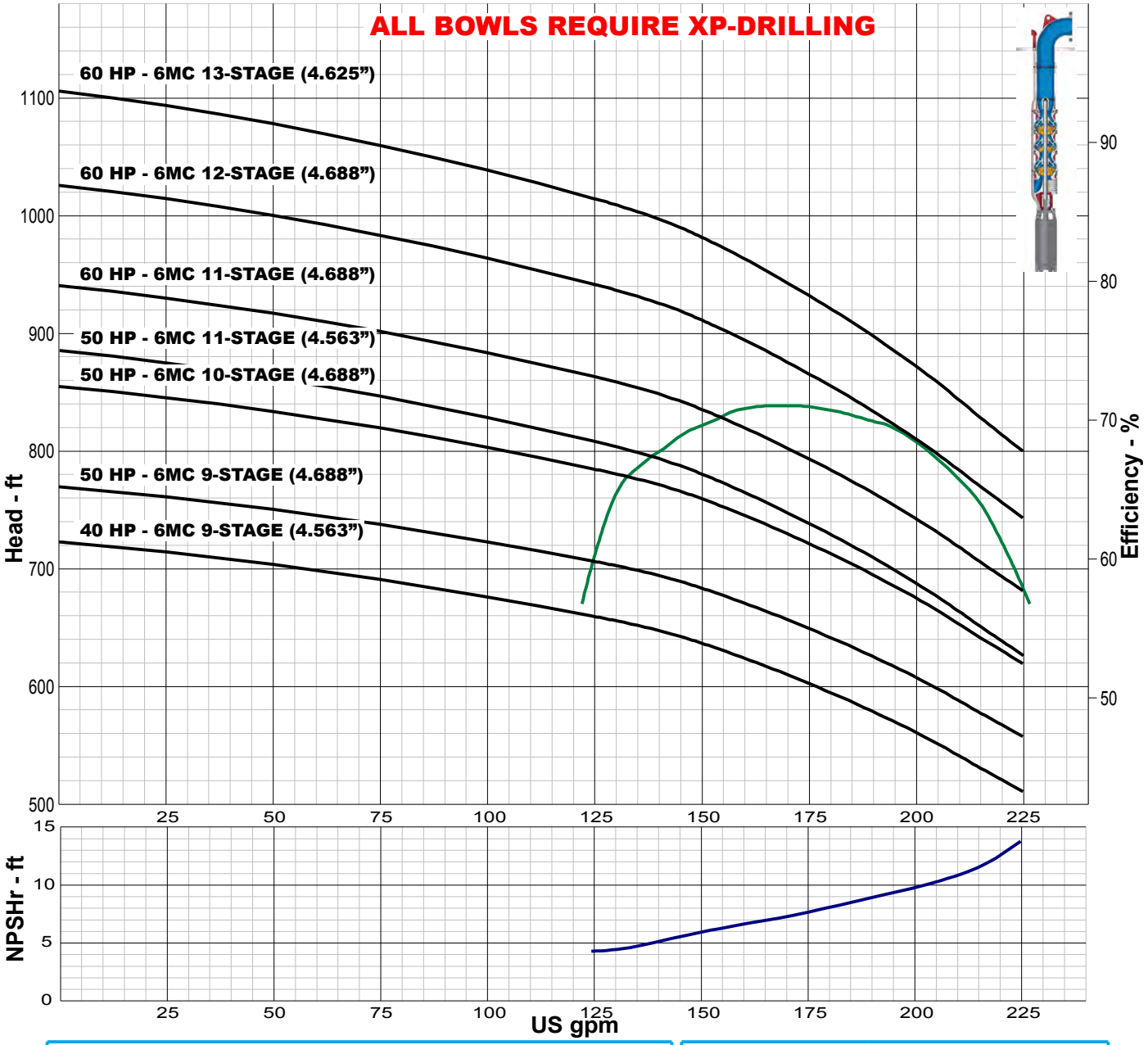
TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

6MC 3450 RPM



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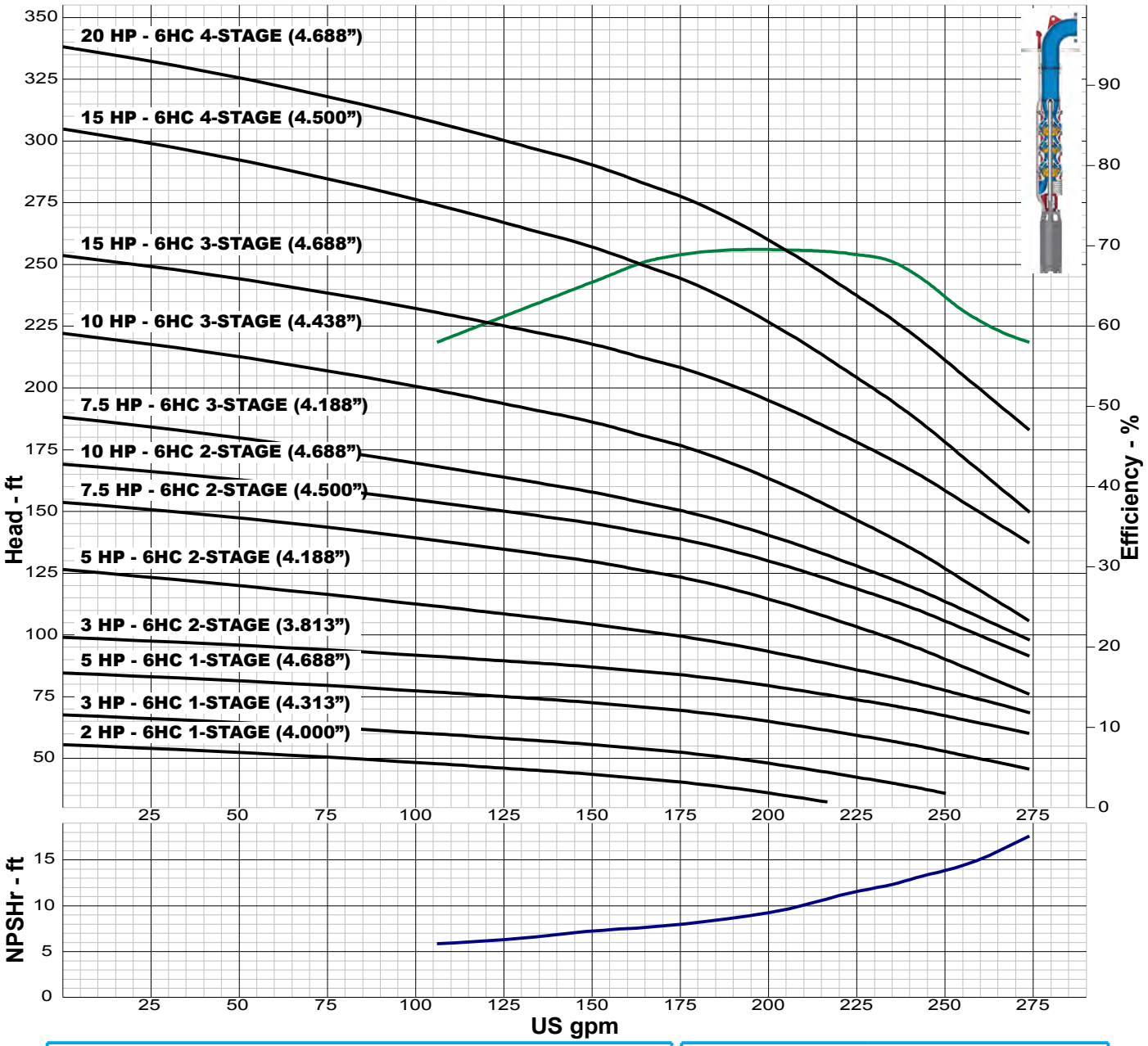
TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES 6HC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	6606
TYPE	ENCLOSED
THRUST FACTOR	K=2.24
EYE AREA	3.65 SQ. IN.
WEIGHT	2.38 LB.

Minimum submergence above eye of bottom impeller: 10 IN.

FLANGED BOWL DATA

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BOWL MIN. DIAMETER	5.563 IN.
MAX. NO. STAGES	26
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STD. SHAFT DIA.	1.000 IN.
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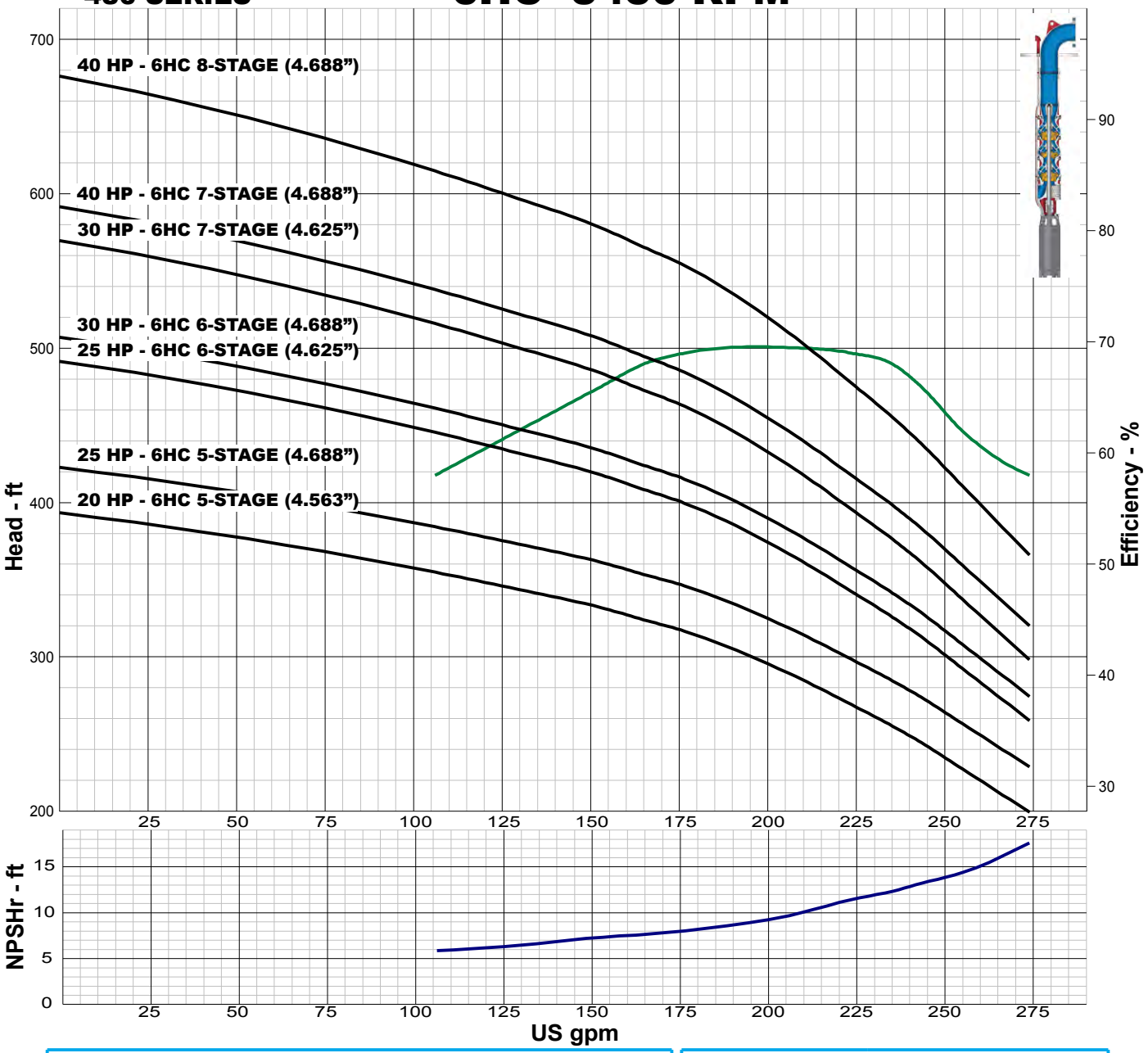
TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES 6HC 3450 RPM



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THRUST FACTOR	K=2.24
EYE AREA	3.65 SQ. IN.
WEIGHT	2.38 LB.

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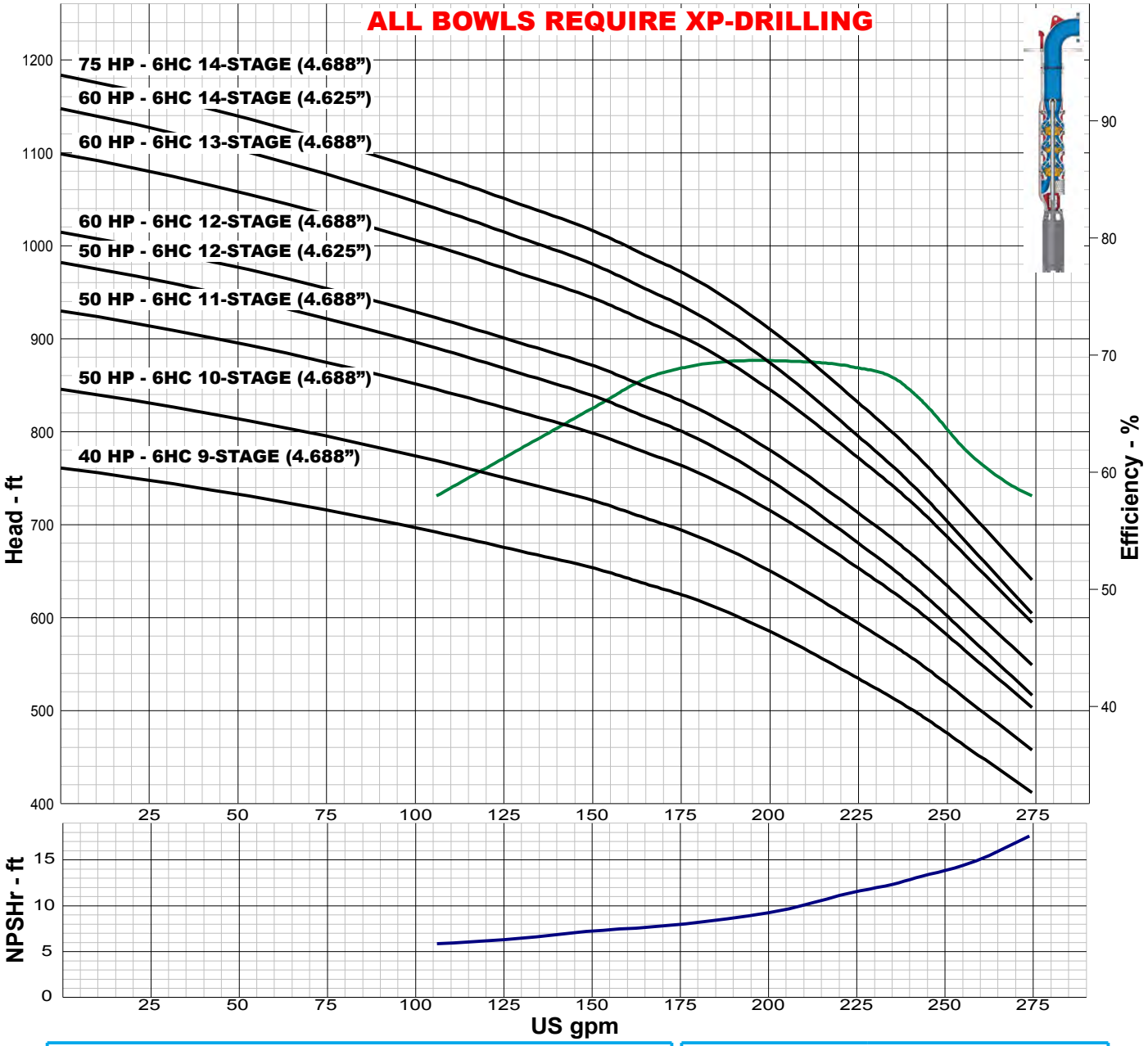
TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

6HC 3450 RPM

ALL BOWLS REQUIRE XP-DRILLING



IMPELLER DATA

IMPELLER NUMBER	6606
TYPE	ENCLOSED
THRUST FACTOR	K=2.24
EYE AREA	3.65 SQ. IN.
WEIGHT	2.38 LB.

Minimum submergence above eye of bottom impeller: 10 IN.

FLANGED BOWL DATA

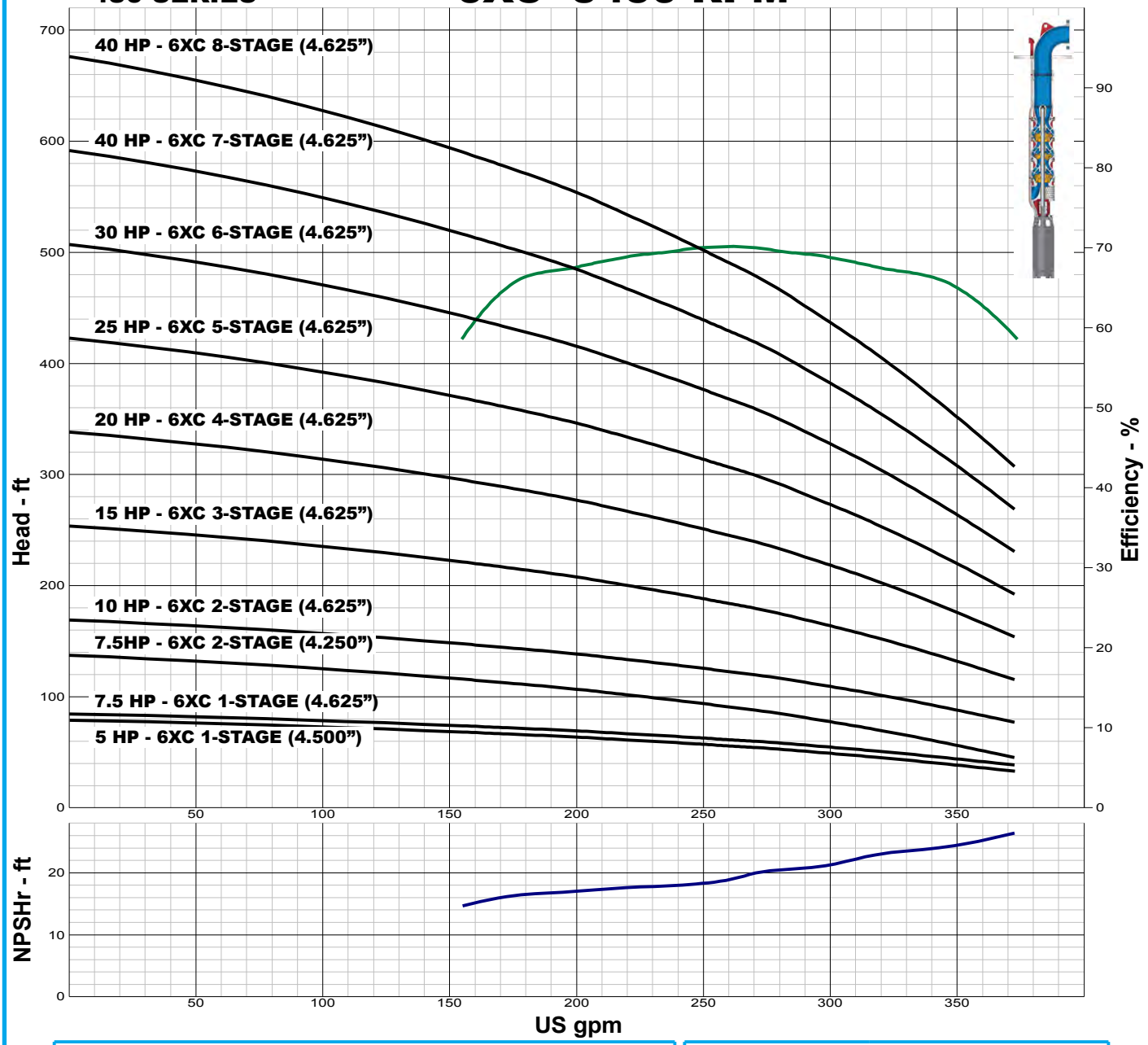
BOWL NUMBER	6616
BOWL MAX. DIAMETER	5.813 IN.
BOWL MIN. DIAMETER	5.563 IN.
MAX. NO. STAGES	26
ONE STAGE WEIGHT	75 LB.
ADD STAGE WEIGHT	12 LB.
STD. SHAFT DIA.	1.000 IN.
DISCHARGE SIZE	4 IN.
DISCHARGE CONNECTION	THD
MAX. SPHERE SIZE	0.188 IN.
MAX. OPERATIONAL P.S.I.	360 (SPECIAL)

Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES 6XC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	6909
TYPE	ENCLOSED
THRUST FACTOR	K=2.83
EYE AREA	6.88 SQ. IN.
WEIGHT	2.15 LB.

Minimum submergence above eye of bottom impeller: 20 IN.

FLANGED BOWL DATA

BOWL NUMBER	6819
BOWL MAX. DIAMETER	5.813 IN.
BOWL MIN. DIAMETER	5.563 IN.
MAX. NO. STAGES	21
ONE STAGE WEIGHT	75 LB.
ADD STAGE WEIGHT	15 LB.
STD. SHAFT DIA.	1.000 IN.
DISCHARGE SIZE	4 IN.
DISCHARGE CONNECTION	THD
MAX. SPHERE SIZE	0.500 IN.
MAX. OPERATIONAL P.S.I.	360 (SPECIAL)

Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

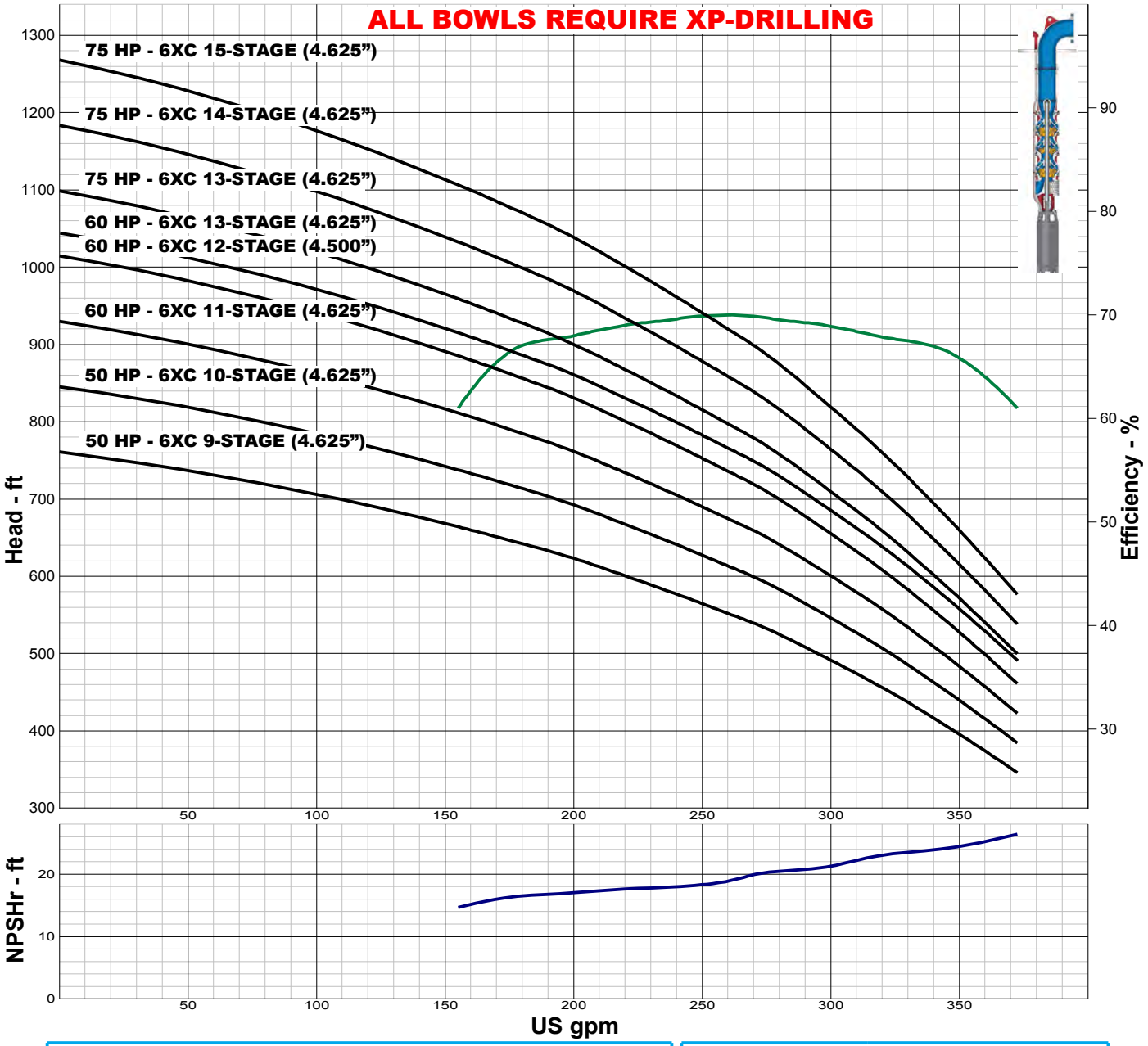
TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

6XC 3450 RPM

ALL BOWLS REQUIRE XP-DRILLING



IMPELLER DATA

IMPELLER NUMBER	6909
TYPE	ENCLOSED
THRUST FACTOR	K=2.83
EYE AREA	6.88 SQ. IN.
WEIGHT	2.15 LB.

Minimum submergence above eye of bottom impeller: 20 IN.

FLANGED BOWL DATA

BOWL NUMBER	6819
BOWL MAX. DIAMETER	5.813 IN.
BOWL MIN. DIAMETER	5.563 IN.
MAX. NO. STAGES	21
ONE STAGE WEIGHT	75 LB.
ADD STAGE WEIGHT	15 LB.
STD. SHAFT DIA.	1.000 IN.
DISCHARGE SIZE	4 IN.
DISCHARGE CONNECTION	THD
MAX. SPHERE SIZE	0.500 IN.
MAX. OPERATIONAL P.S.I.	360 (SPECIAL)

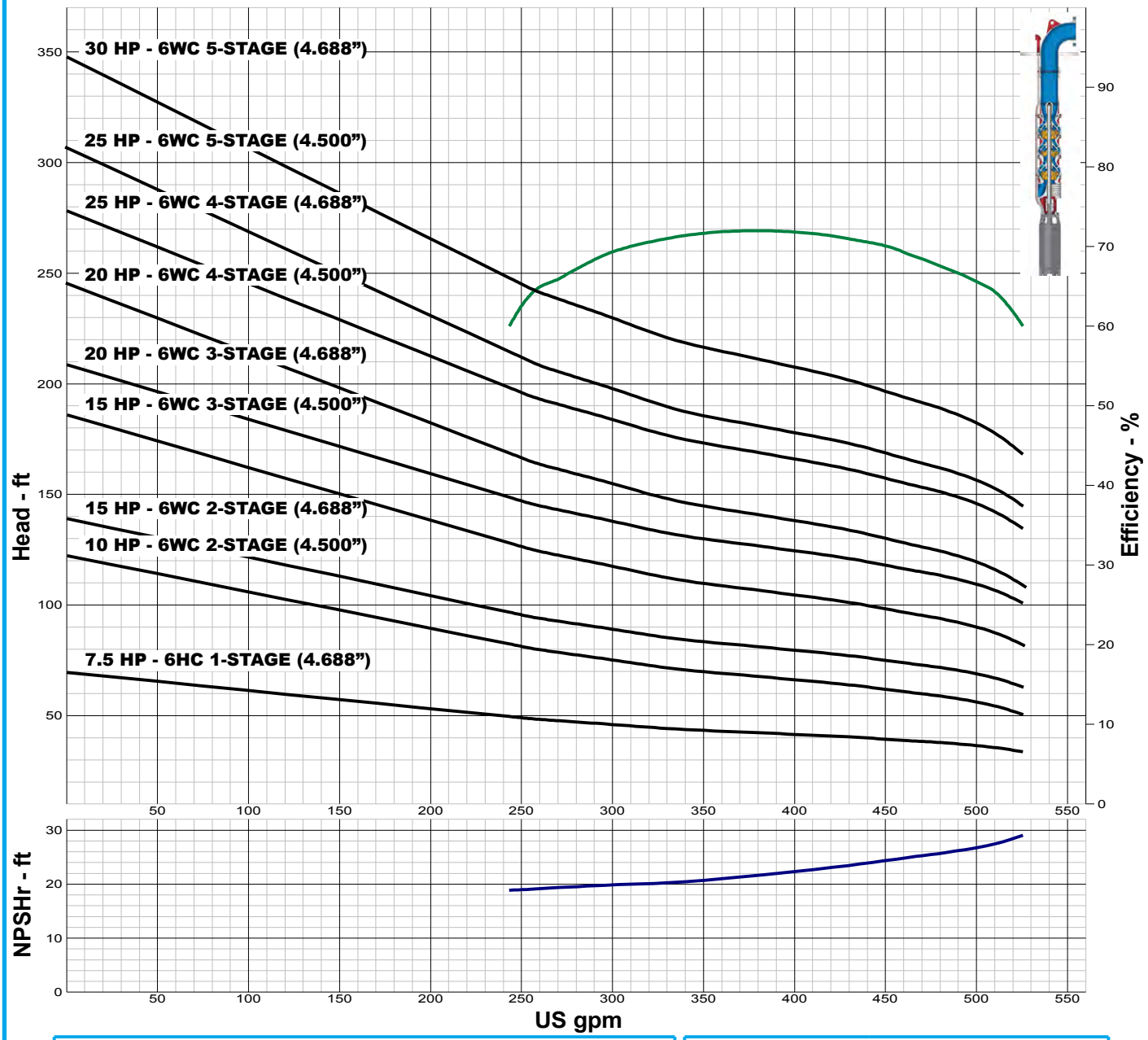
Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

6WC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	6808
TYPE	ENCLOSED
THRUST FACTOR	K=4.13
EYE AREA	6.88 SQ. IN.
WEIGHT	2.65 LB.

Minimum submergence above eye of bottom impeller: 10 IN.

FLANGED BOWL DATA

BOWL NUMBER	6818
BOWL MAX. DIAMETER	5.875 IN.
BOWL MIN. DIAMETER	5.563 IN.
MAX. NO. STAGES	16
ONE STAGE WEIGHT	75 LB.
ADD STAGE WEIGHT	15 LB.
STD. SHAFT DIA.	1.000 IN.
DISCHARGE SIZE	4 IN.
DISCHARGE CONNECTION	THD
MAX. SPHERE SIZE	0.500 IN.
MAX. OPERATIONAL P.S.I.	360 (SPECIAL)

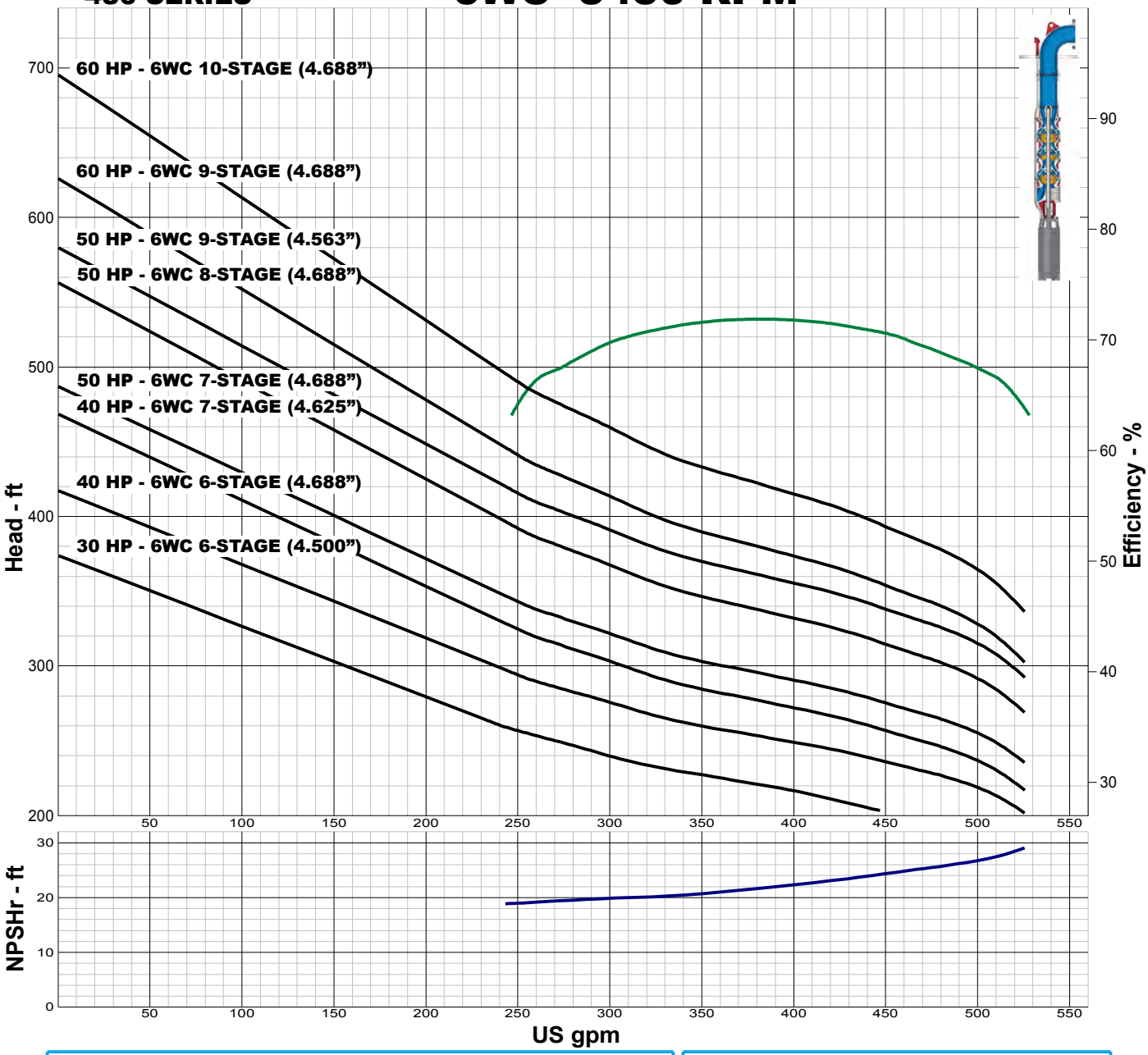
Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

6WC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	6808
TYPE	ENCLOSED
THRUST FACTOR	K=4.13
EYE AREA	6.88 SQ. IN.
WEIGHT	2.65 LB.

Minimum submergence above eye of bottom impeller: 10 IN.

FLANGED BOWL DATA

BOWL NUMBER	6818
BOWL MAX. DIAMETER	5.875 IN.
BOWL MIN. DIAMETER	5.563 IN.
MAX. NO. STAGES	16
ONE STAGE WEIGHT	75 LB.
ADD STAGE WEIGHT	15 LB.
STD. SHAFT DIA.	1.000 IN.
DISCHARGE SIZE	4 IN.
DISCHARGE CONNECTION	THD
MAX. SPHERE SIZE	0.500 IN.
MAX. OPERATIONAL P.S.I.	360 (SPECIAL)

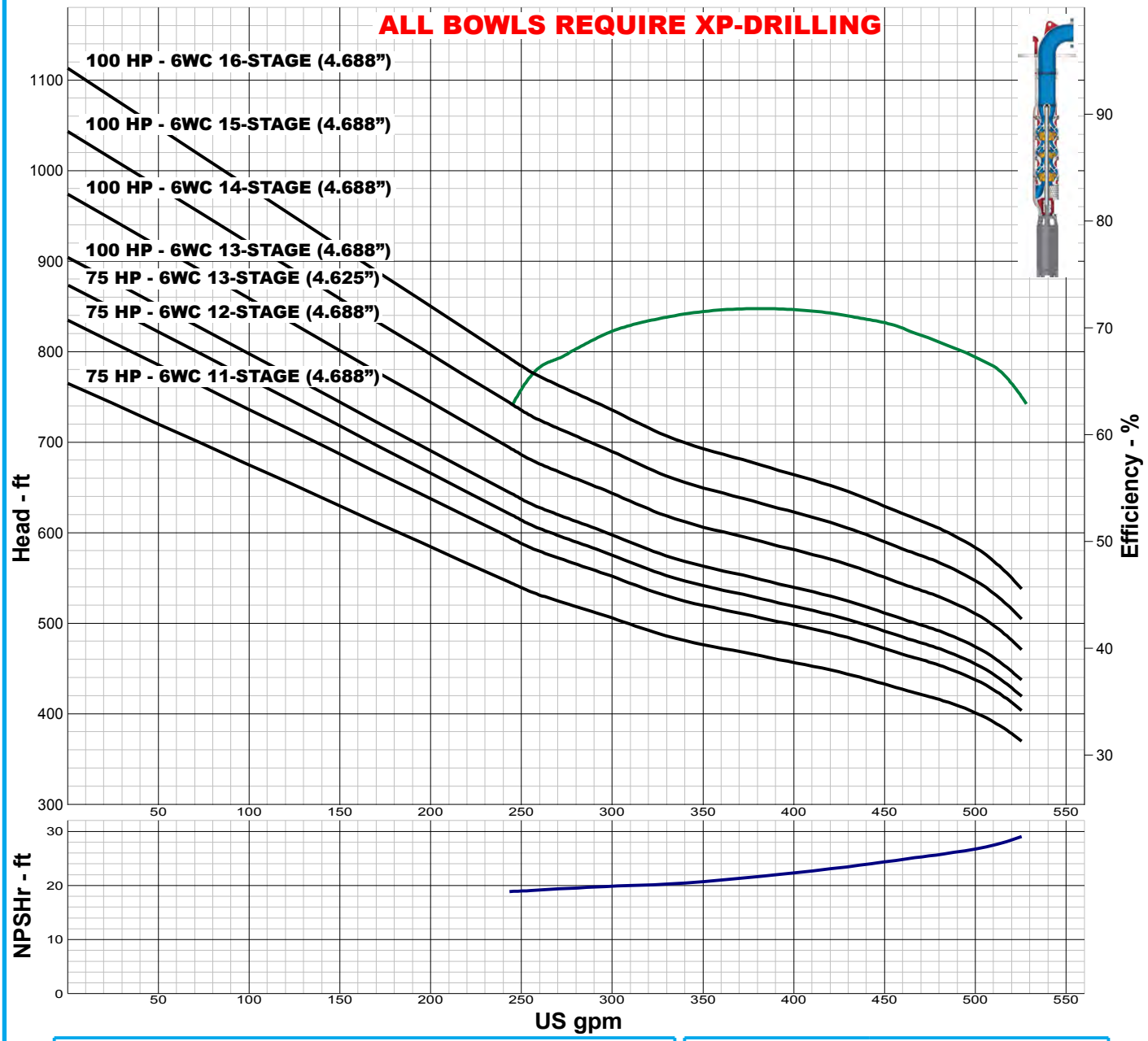
Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

6WC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	6808
TYPE	ENCLOSED
THRUST FACTOR	K=4.13
EYE AREA	6.88 SQ. IN.
WEIGHT	2.65 LB.

Minimum submergence above eye of bottom impeller: 10 IN.

FLANGED BOWL DATA

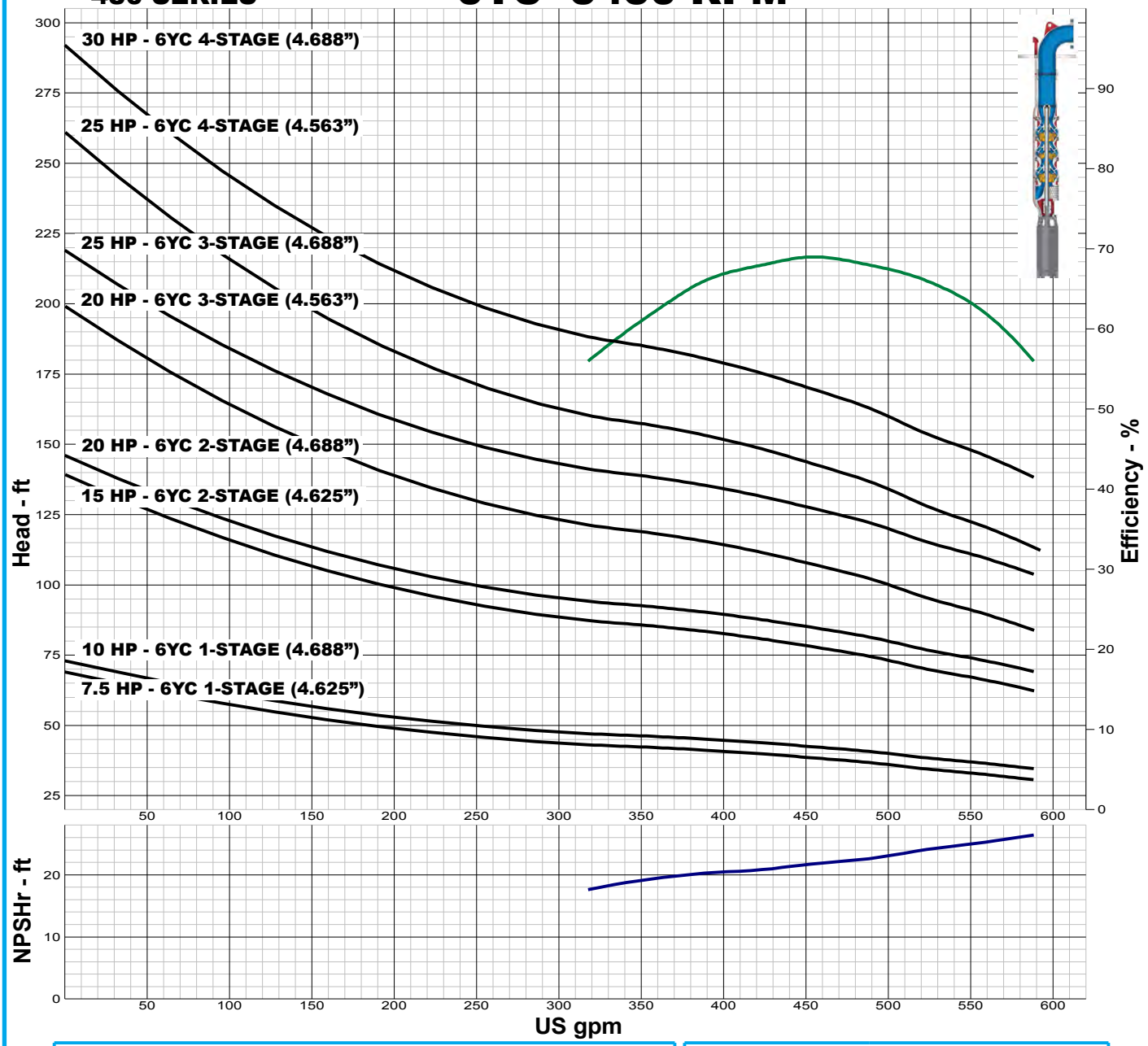
BOWL NUMBER	6818
BOWL MAX. DIAMETER	5.875 IN.
BOWL MIN. DIAMETER	5.563 IN.
MAX. NO. STAGES	16
ONE STAGE WEIGHT	75 LB.
ADD STAGE WEIGHT	15 LB.
STD. SHAFT DIA.	1.000 IN.
DISCHARGE SIZE	4 IN.
DISCHARGE CONNECTION	THD
MAX. SPHERE SIZE	0.500 IN.
MAX. OPERATIONAL P.S.I.	360 (SPECIAL)

Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES 6YC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	6414
TYPE	ENCLOSED
THRUST FACTOR	K=4.10
EYE AREA	7.51 SQ. IN.
WEIGHT	2.35 LB.

Minimum submergence above eye of bottom impeller: 20 IN.

FLANGED BOWL DATA

BOWL NUMBER	6618
BOWL MAX. DIAMETER	5.875 IN.
BOWL MIN. DIAMETER	5.563 IN.
MAX. NO. STAGES	14
ONE STAGE WEIGHT	75 LB.
ADD STAGE WEIGHT	15 LB.
STD. SHAFT DIA.	1.000 IN.
DISCHARGE SIZE	4 IN.
DISCHARGE CONNECTION	THD
MAX. SPHERE SIZE	0.500 IN.
MAX. OPERATIONAL P.S.I.	360 (SPECIAL)

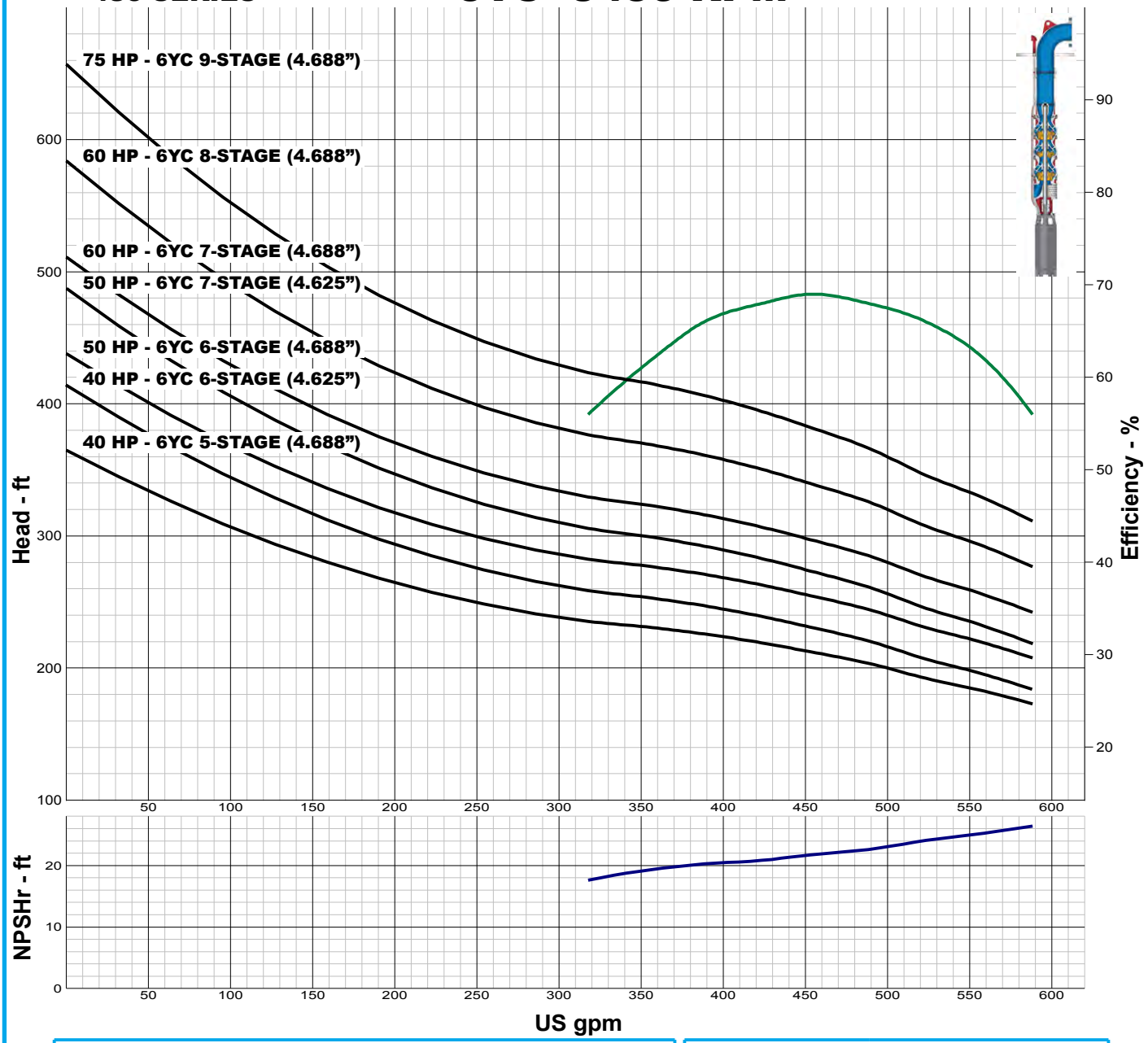
Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

6YC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	6414	Minimum submergence above eye of bottom impeller: 20 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=4.10	
EYE AREA	7.51 SQ. IN.	
WEIGHT	2.35 LB.	

FLANGED BOWL DATA

BOWL NUMBER	6618
BOWL MAX. DIAMETER	5.875 IN.
BOWL MIN. DIAMETER	5.563 IN.
MAX. NO. STAGES	14
ONE STAGE WEIGHT	75 LB.
ADD STAGE WEIGHT	15 LB.
STD. SHAFT DIA.	1.000 IN.
DISCHARGE SIZE	4 IN.
DISCHARGE CONNECTION	THD
MAX. SPHERE SIZE	0.500 IN.
MAX. OPERATIONAL P.S.I.	360 (SPECIAL)

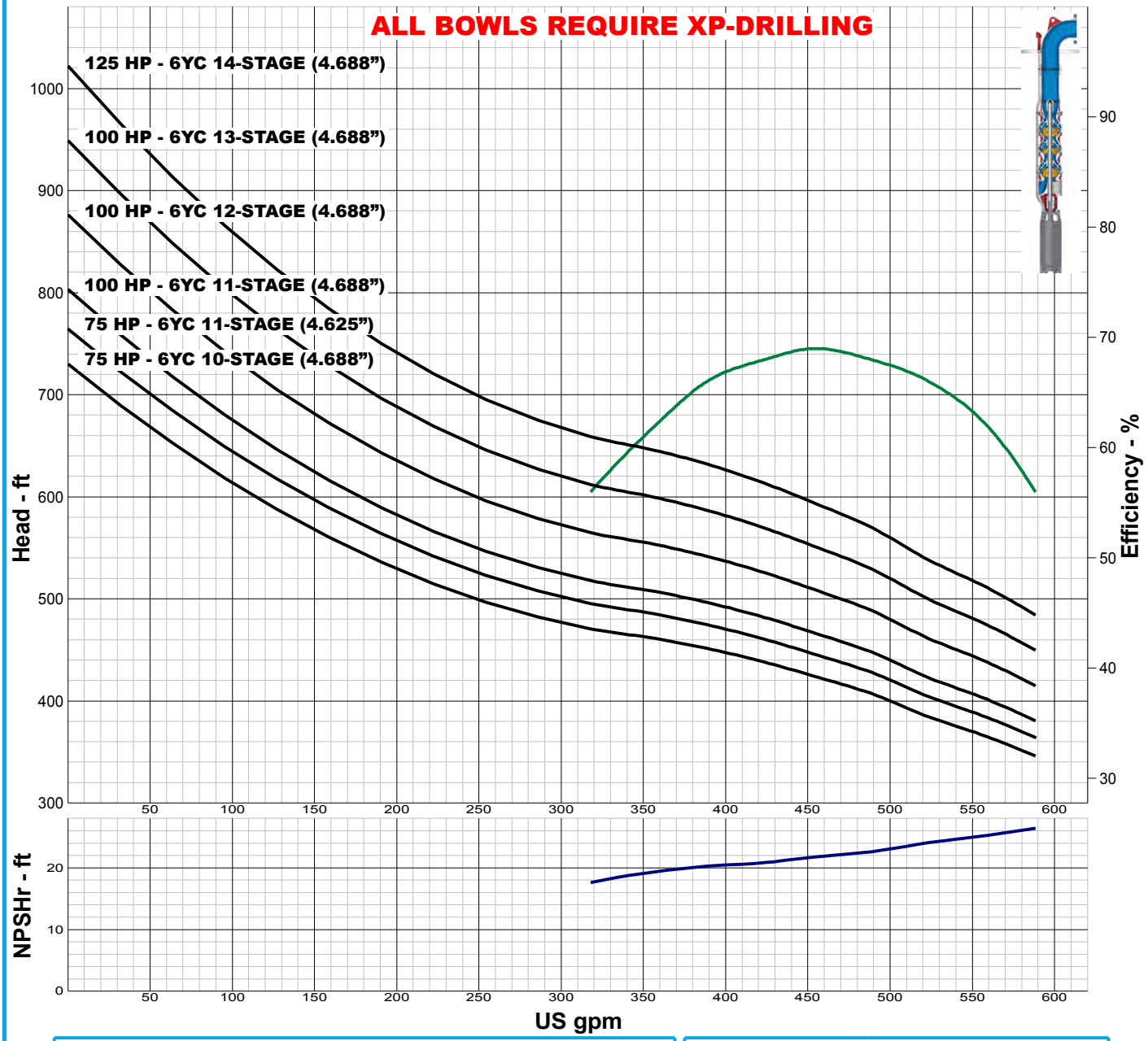
Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

6YC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	6414
TYPE	ENCLOSED
THRUST FACTOR	K=4.10
EYE AREA	7.51 SQ. IN.
WEIGHT	2.35 LB.

Minimum submergence above eye of bottom impeller: 20 IN.

FLANGED BOWL DATA

BOWL NUMBER	6618
BOWL MAX. DIAMETER	5.875 IN.
BOWL MIN. DIAMETER	5.563 IN.
MAX. NO. STAGES	14
ONE STAGE WEIGHT	75 LB.
ADD STAGE WEIGHT	15 LB.
STD. SHAFT DIA.	1.000 IN.
DISCHARGE SIZE	4 IN.
DISCHARGE CONNECTION	THD
MAX. SPHERE SIZE	0.500 IN.
MAX. OPERATIONAL P.S.I.	360 (SPECIAL)

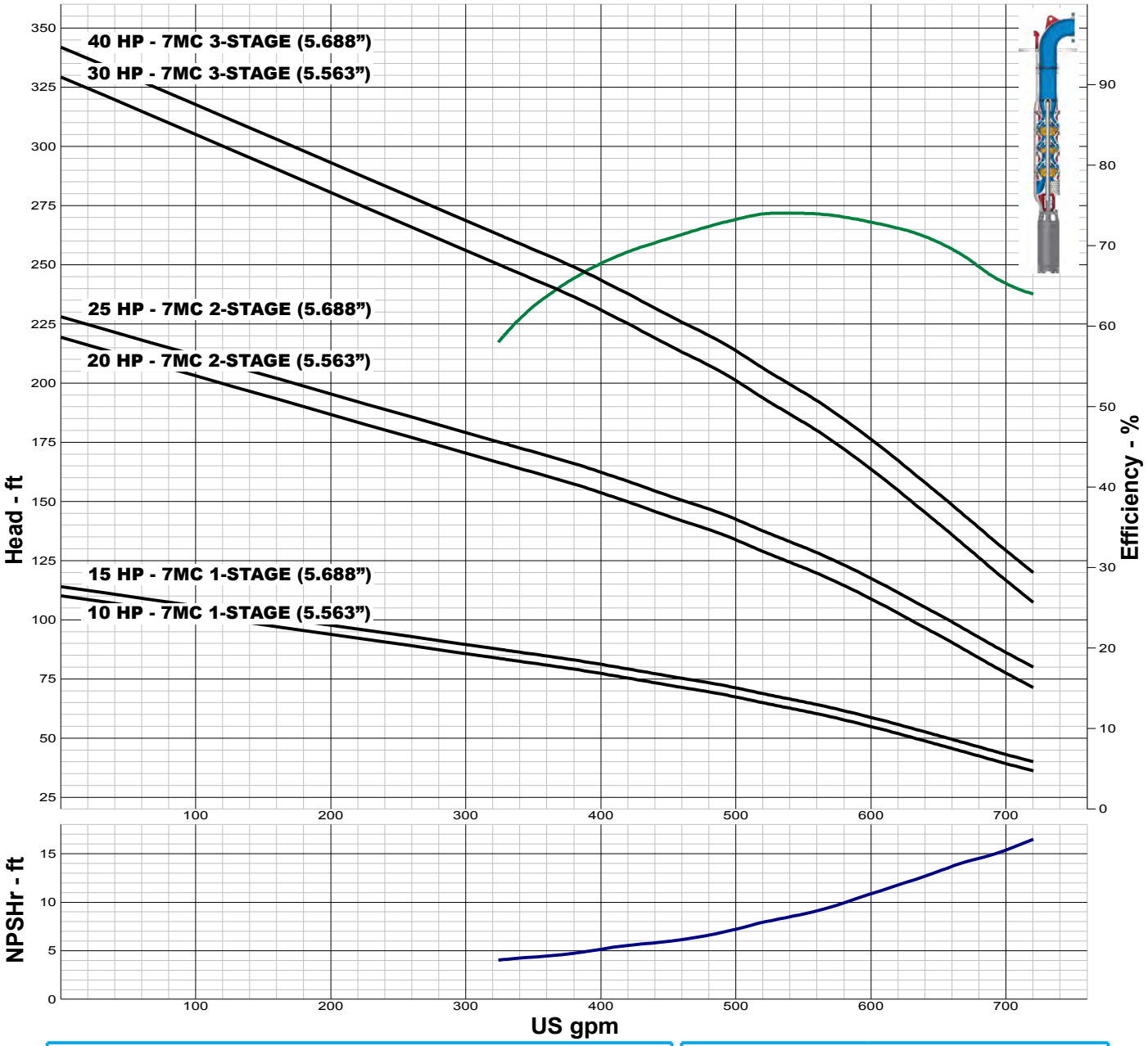
Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

7MC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	7647
TYPE	ENCLOSED
THRUST FACTOR	K=4.50
EYE AREA	11.3 SQ. IN.
WEIGHT	5.00 LB.

Minimum submergence above eye of bottom impeller: 18 IN.

FLANGED BOWL DATA

BOWL NUMBER	6947
BOWL MAX. DIAMETER	7.313 IN.
BOWL MIN. DIAMETER	7.125 IN.
MAX. NO. STAGES	15
ONE STAGE WEIGHT	102 LB.
ADD STAGE WEIGHT	37 LB.
STD. SHAFT DIA.	1.188 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD
MAX. SPHERE SIZE	0.750 IN.
MAX. OPERATIONAL P.S.I.	692 (SPECIAL)

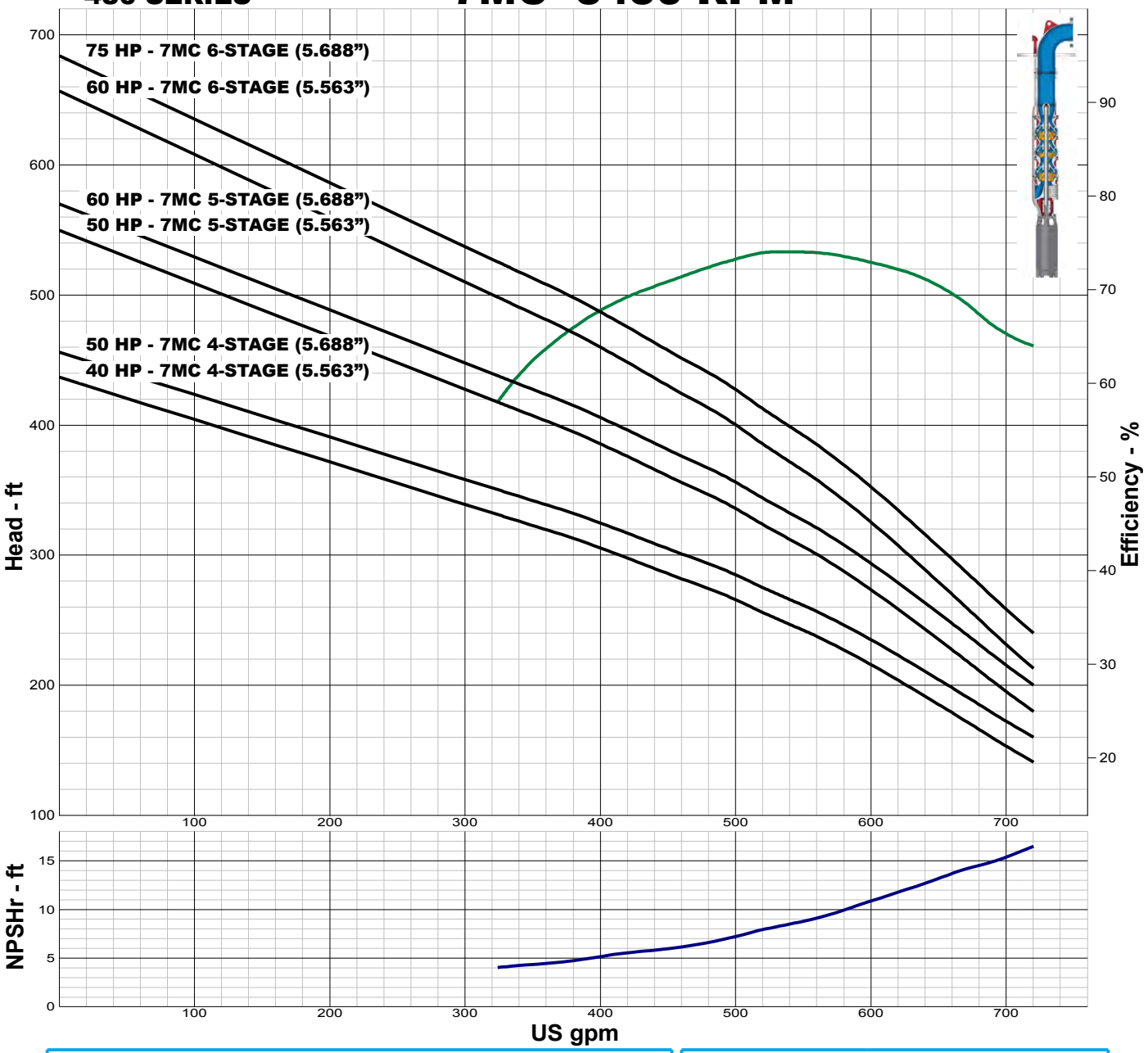
Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

7MC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	7647
TYPE	ENCLOSED
THRUST FACTOR	K=4.50
EYE AREA	11.3 SQ. IN.
WEIGHT	5.00 LB.

Minimum submergence above eye of bottom impeller: 18 IN.

FLANGED BOWL DATA

BOWL NUMBER	6947
BOWL MAX. DIAMETER	7.313 IN.
BOWL MIN. DIAMETER	7.125 IN.
MAX. NO. STAGES	15
ONE STAGE WEIGHT	102 LB.
ADD STAGE WEIGHT	37 LB.
STD. SHAFT DIA.	1.188 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD
MAX. SPHERE SIZE	0.750 IN.
MAX. OPERATIONAL P.S.I.	692 (SPECIAL)

Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

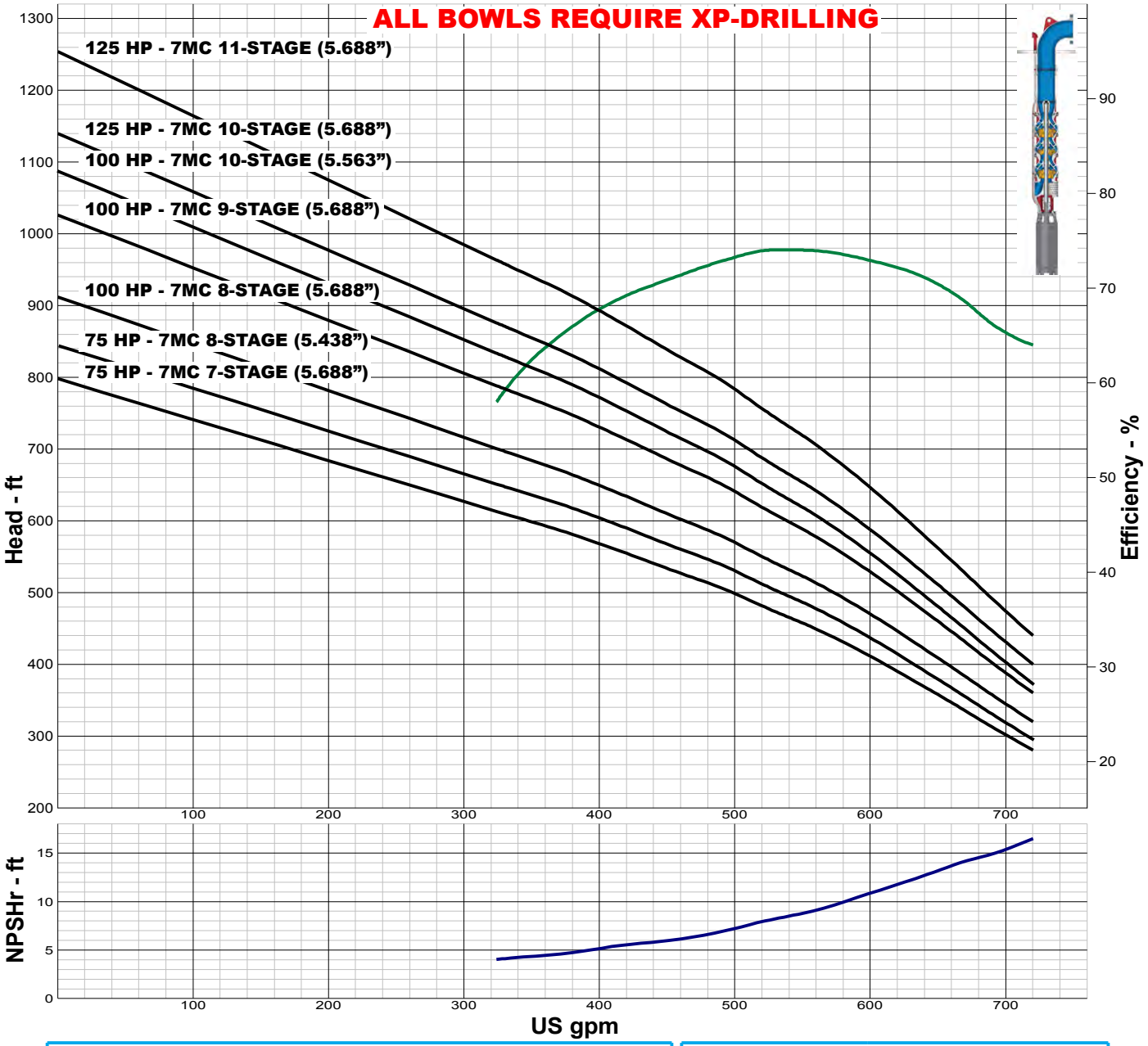
TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

7MC 3450 RPM

ALL BOWLS REQUIRE XP-DRILLING



IMPELLER DATA

IMPELLER NUMBER	7647
TYPE	ENCLOSED
THRUST FACTOR	K=4.50
EYE AREA	11.3 SQ. IN.
WEIGHT	5.00 LB.

Minimum submergence above eye of bottom impeller: 18 IN.

FLANGED BOWL DATA

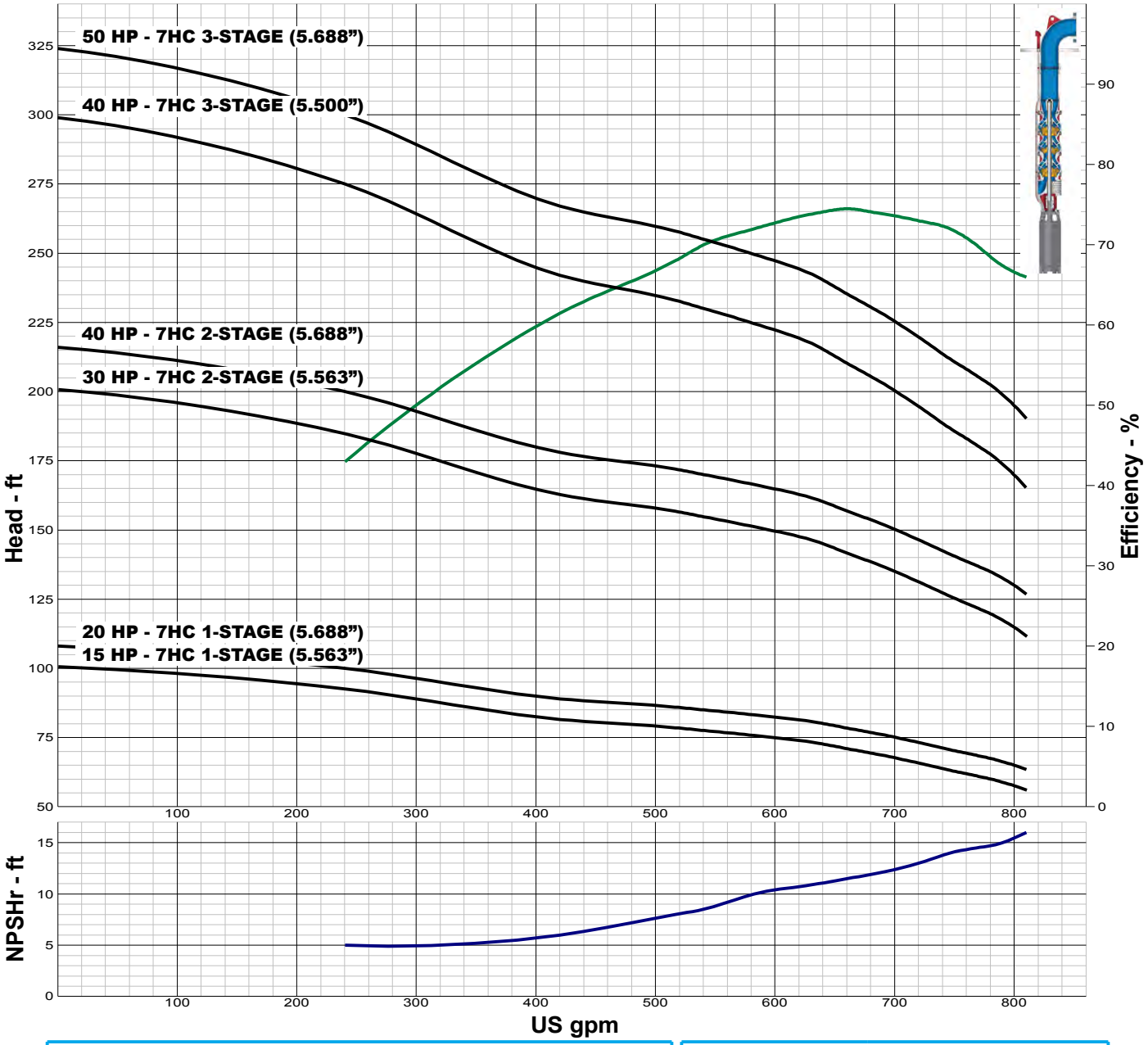
BOWL NUMBER	6947
BOWL MAX. DIAMETER	7.313 IN.
BOWL MIN. DIAMETER	7.125 IN.
MAX. NO. STAGES	15
ONE STAGE WEIGHT	102 LB.
ADD STAGE WEIGHT	37 LB.
STD. SHAFT DIA.	1.188 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD
MAX. SPHERE SIZE	0.750 IN.
MAX. OPERATIONAL P.S.I.	692 (SPECIAL)

Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES 7HC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	7656
TYPE	ENCLOSED
THRUST FACTOR	K=4.56
EYE AREA	11.3 SQ. IN.
WEIGHT	5.25 LB.

Minimum submergence above eye of bottom impeller: 18 IN.

FLANGED BOWL DATA

BOWL NUMBER	6947
BOWL MAX. DIAMETER	7.313 IN.
BOWL MIN. DIAMETER	7.125 IN.
MAX. NO. STAGES	13
ONE STAGE WEIGHT	102 LB.
ADD STAGE WEIGHT	37 LB.
STD. SHAFT DIA.	1.188 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD
MAX. SPHERE SIZE	0.750 IN.
MAX. OPERATIONAL P.S.I.	692 (SPECIAL)

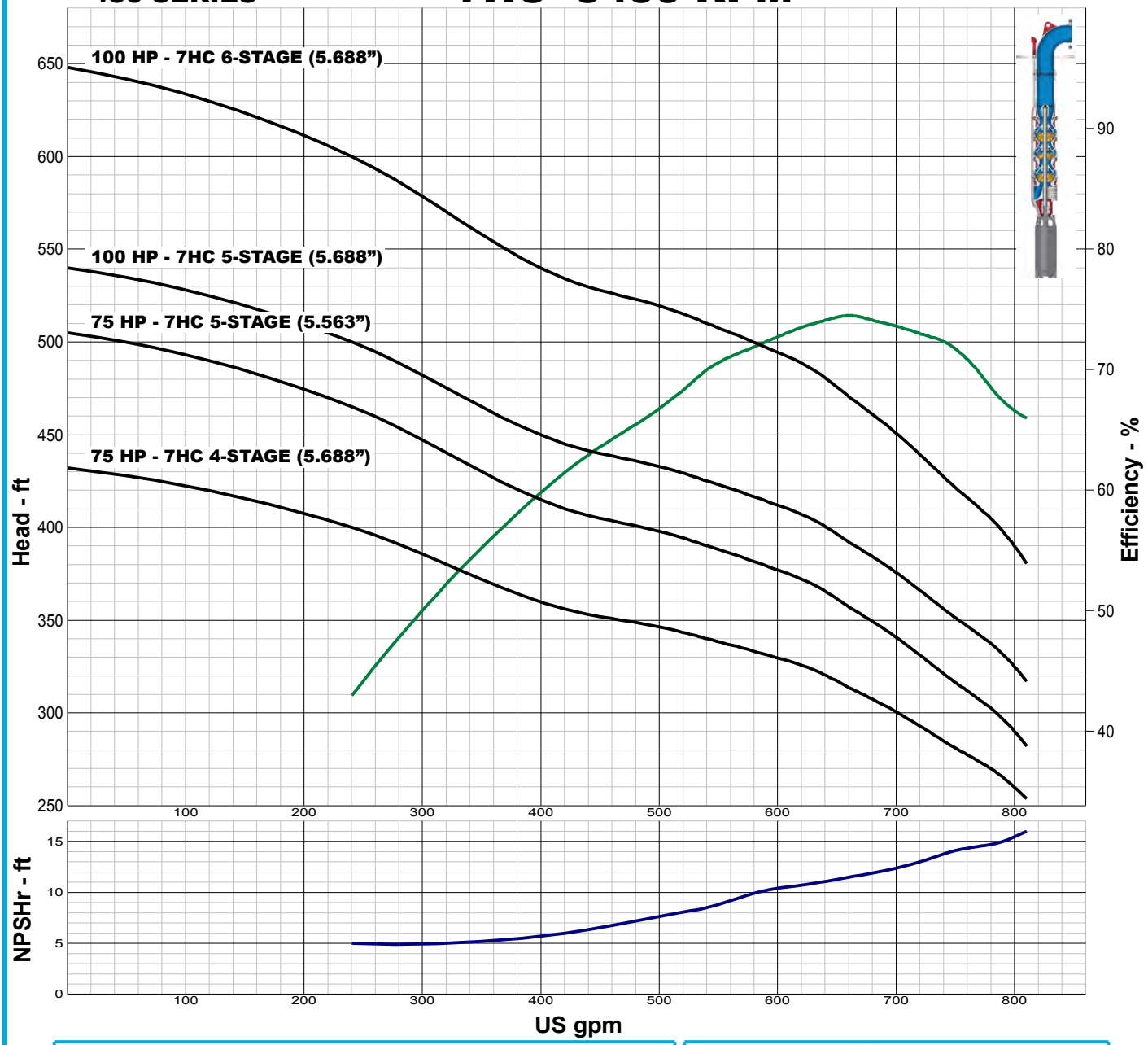
Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

7HC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	7656
TYPE	ENCLOSED
THRUST FACTOR	K=4.56
EYE AREA	11.3 SQ. IN.
WEIGHT	5.25 LB.

Minimum submergence above eye of bottom impeller: 18 IN.

FLANGED BOWL DATA

BOWL NUMBER	6947
BOWL MAX. DIAMETER	7.313 IN.
BOWL MIN. DIAMETER	7.125 IN.
MAX. NO. STAGES	13
ONE STAGE WEIGHT	102 LB.
ADD STAGE WEIGHT	37 LB.
STD. SHAFT DIA.	1.188 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD
MAX. SPHERE SIZE	0.750 IN.
MAX. OPERATIONAL P.S.I.	692 (SPECIAL)

Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

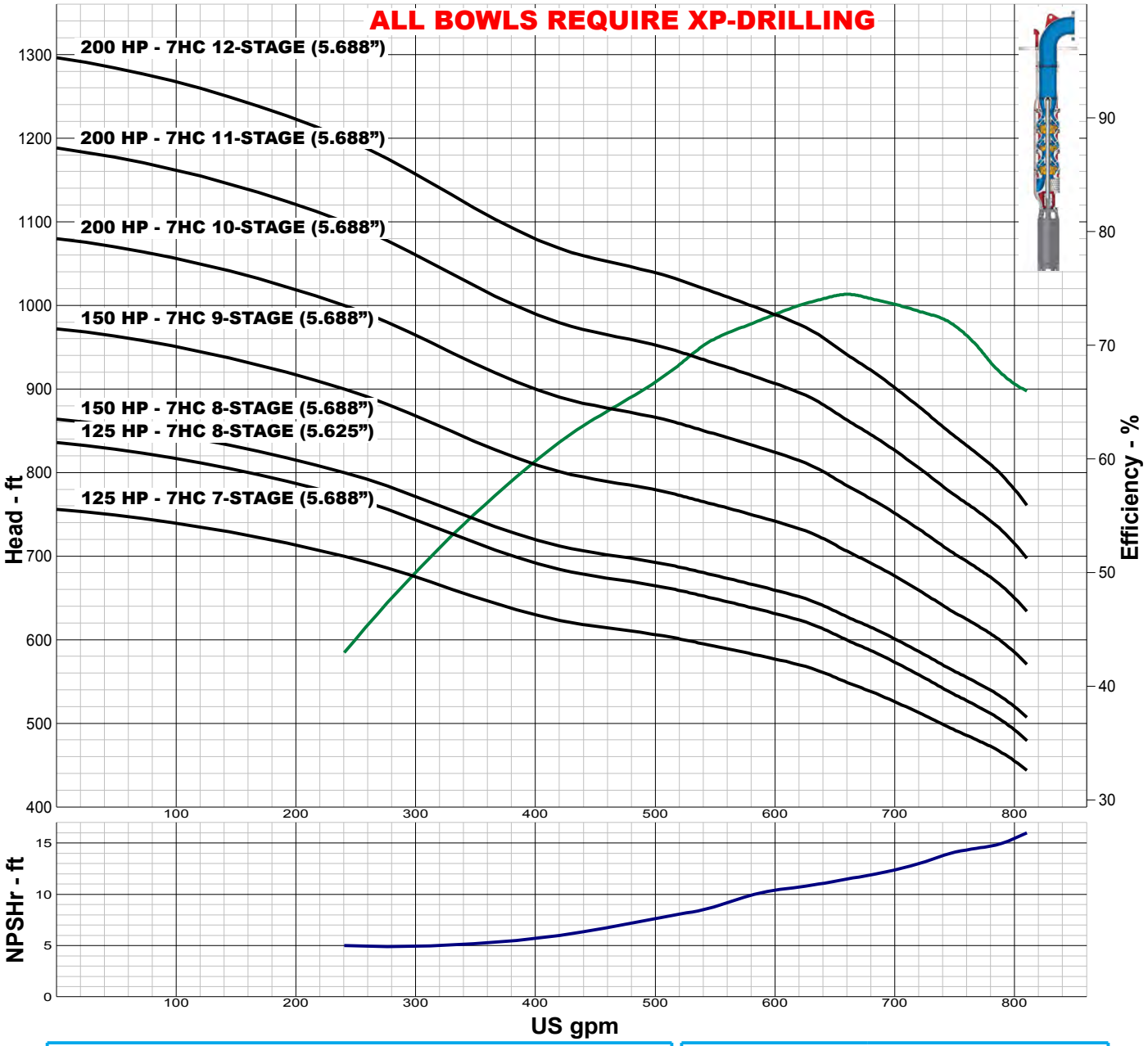
TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

7HC 3450 RPM

ALL BOWLS REQUIRE XP-DRILLING



IMPELLER DATA

IMPELLER NUMBER	7656
TYPE	ENCLOSED
THRUST FACTOR	K=4.56
EYE AREA	11.3 SQ. IN.
WEIGHT	5.25 LB.

Minimum submergence above eye of bottom impeller: 18 IN.

FLANGED BOWL DATA

BOWL NUMBER	6947
BOWL MAX. DIAMETER	7.313 IN.
BOWL MIN. DIAMETER	7.125 IN.
MAX. NO. STAGES	13
ONE STAGE WEIGHT	102 LB.
ADD STAGE WEIGHT	37 LB.
STD. SHAFT DIA.	1.188 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD
MAX. SPHERE SIZE	0.750 IN.
MAX. OPERATIONAL P.S.I.	692 (SPECIAL)

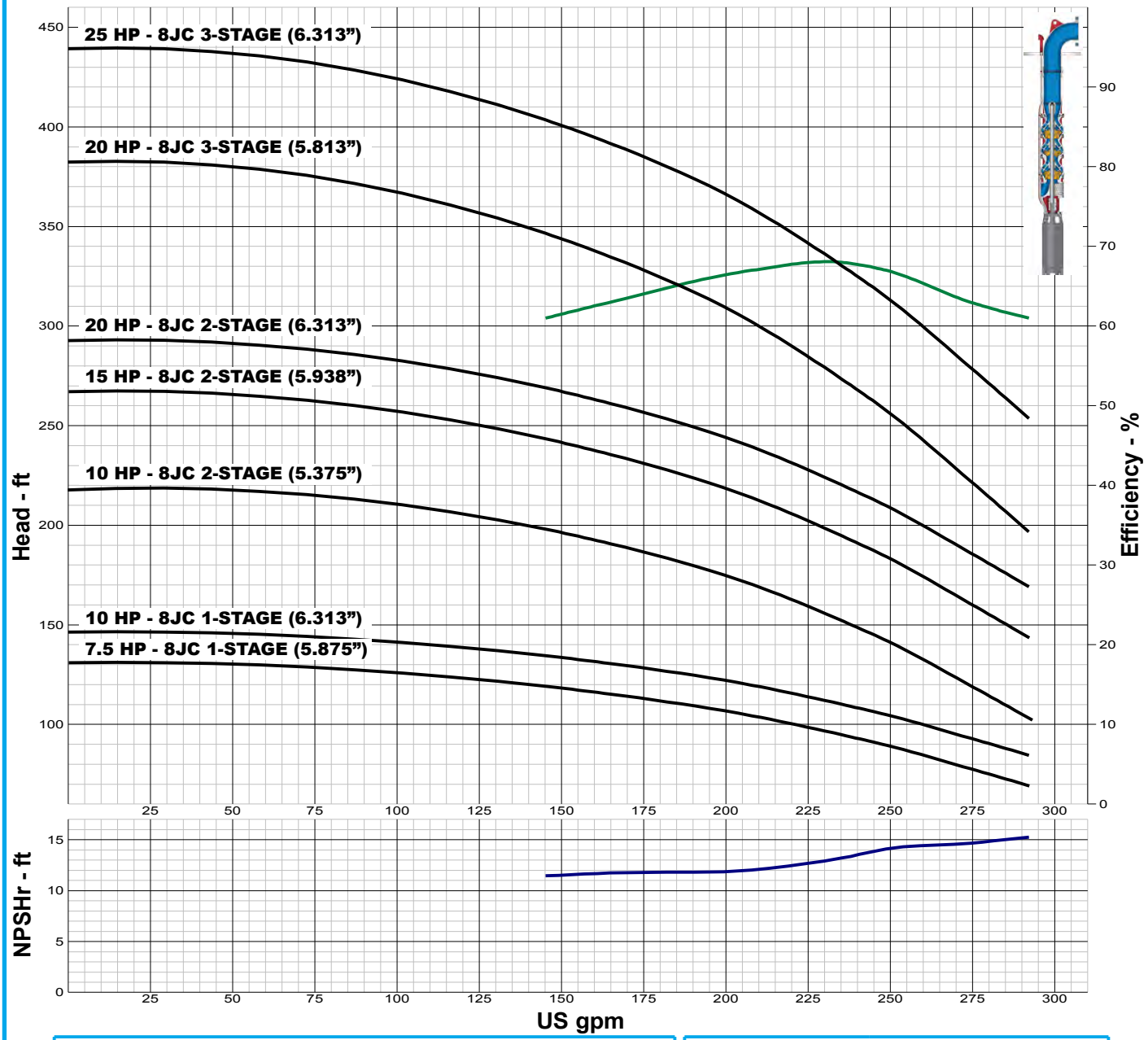
Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

AMERICAN-MARSH PUMPS

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES 8JC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	3628
TYPE	ENCLOSED
THRUST FACTOR	K=2.98
EYE AREA	3.65 SQ. IN.
WEIGHT	5.75 LB.

Minimum submergence above eye of bottom impeller: 18 IN.

FLANGED BOWL DATA

BOWL NUMBER	3629
BOWL MAX. DIAMETER	7.813 IN.
BOWL MIN. DIAMETER	7.500 IN.
MAX. NO. STAGES	15
ONE STAGE WEIGHT	130 LB.
ADD STAGE WEIGHT	30 LB.
STD. SHAFT DIA.	1.000 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD
MAX. SPHERE SIZE	0.250 IN.
MAX. OPERATIONAL P.S.I.	692 (SPECIAL)

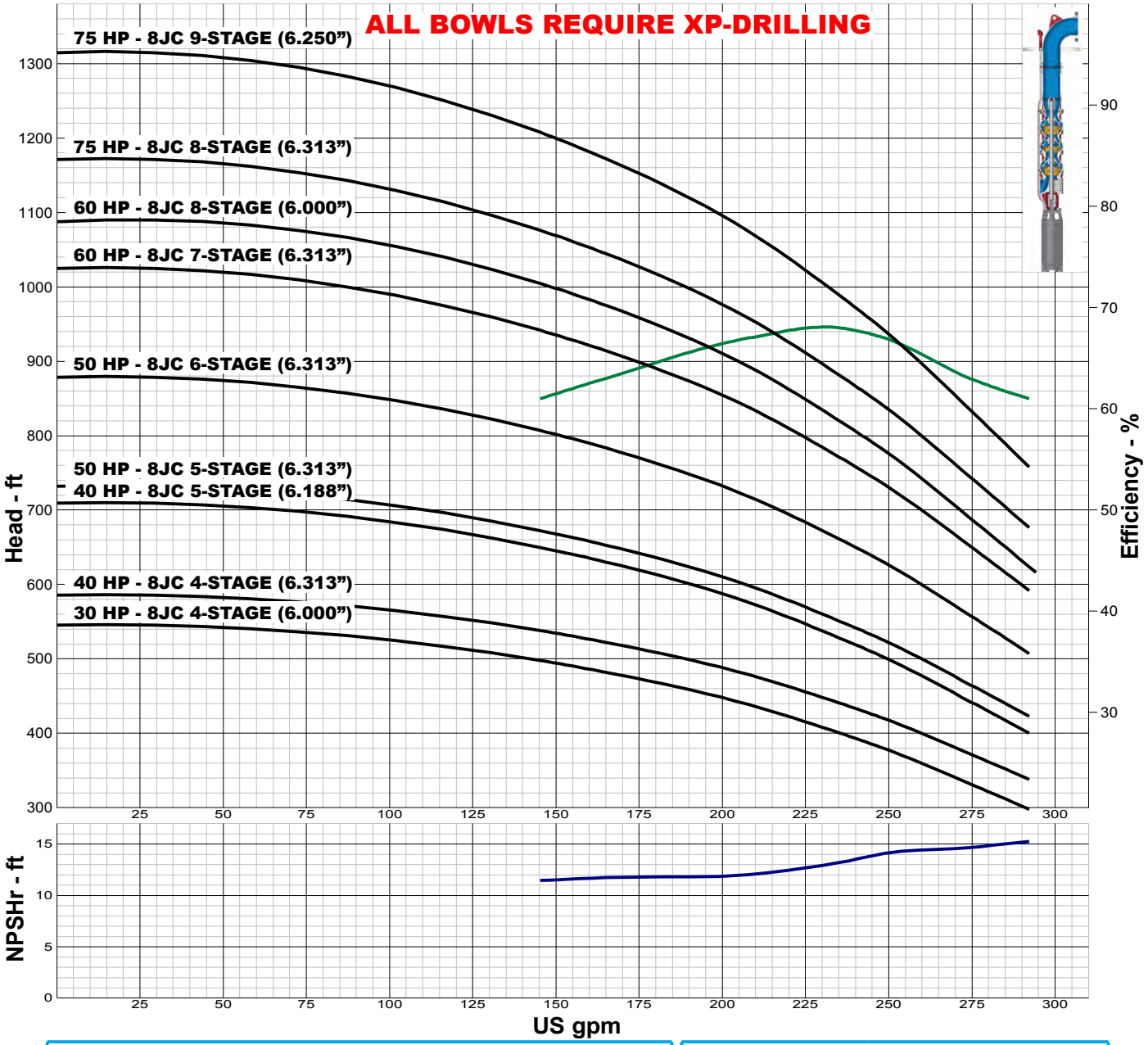
Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

8JC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	3628
TYPE	ENCLOSED
THRUST FACTOR	K=2.98
EYE AREA	3.65 SQ. IN.
WEIGHT	5.75 LB.

Minimum submergence above eye of bottom impeller: 18 IN.

FLANGED BOWL DATA

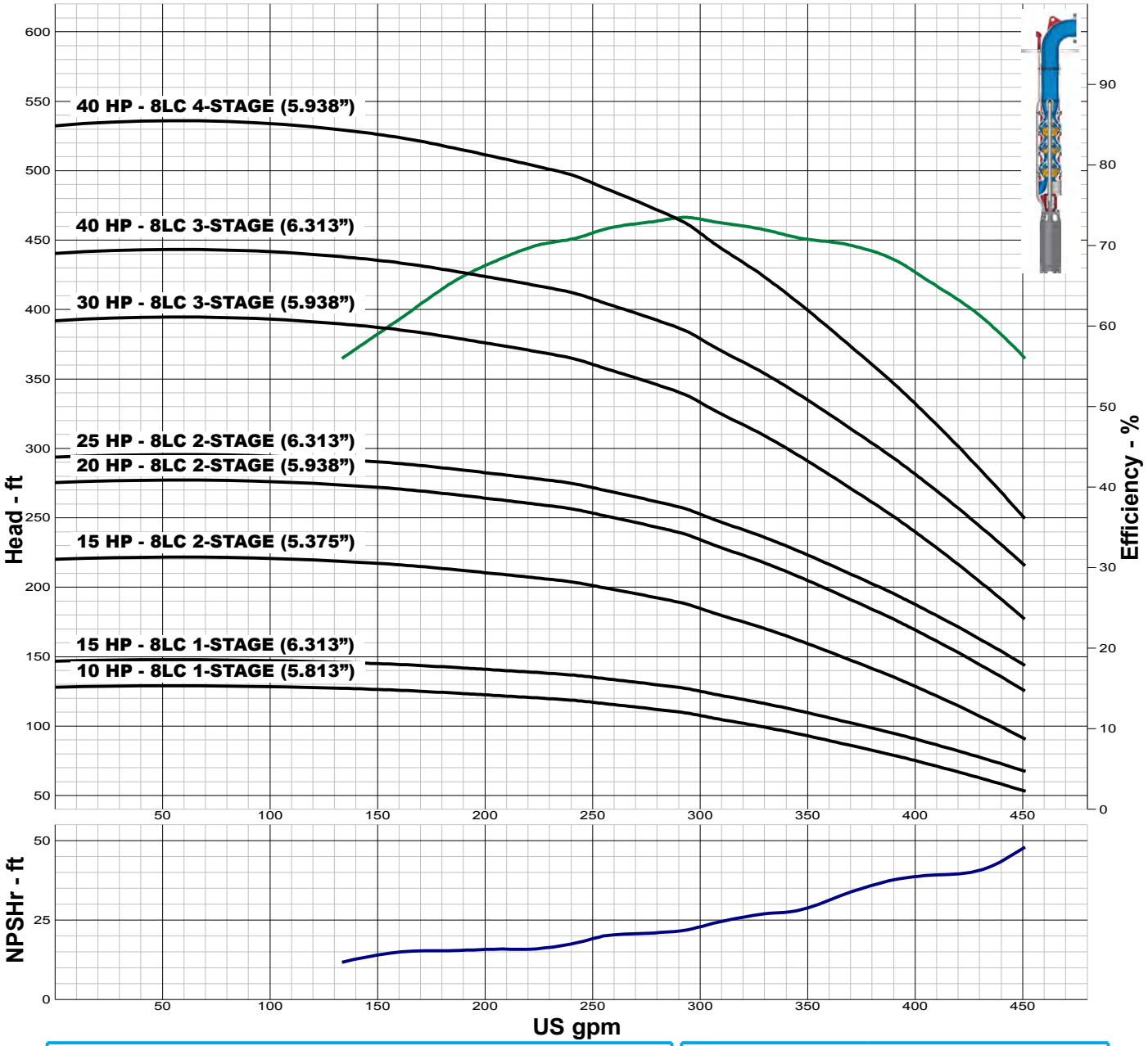
BOWL NUMBER	3629
BOWL MAX. DIAMETER	7.813 IN.
BOWL MIN. DIAMETER	7.500 IN.
MAX. NO. STAGES	15
ONE STAGE WEIGHT	130 LB.
ADD STAGE WEIGHT	30 LB.
STD. SHAFT DIA.	1.000 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD
MAX. SPHERE SIZE	0.250 IN.
MAX. OPERATIONAL P.S.I.	692 (SPECIAL)

Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES 8LC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	3630
TYPE	ENCLOSED
THRUST FACTOR	K=2.98
EYE AREA	4.64 SQ. IN.
WEIGHT	5.75 LB.

Minimum submergence above eye of bottom impeller: 18 IN.

FLANGED BOWL DATA

BOWL NUMBER	3629
BOWL MAX. DIAMETER	7.813 IN.
BOWL MIN. DIAMETER	7.500 IN.
MAX. NO. STAGES	12
ONE STAGE WEIGHT	130 LB.
ADD STAGE WEIGHT	30 LB.
STD. SHAFT DIA.	1.000 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD
MAX. SPHERE SIZE	0.250 IN.
MAX. OPERATIONAL P.S.I.	692 (SPECIAL)

Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

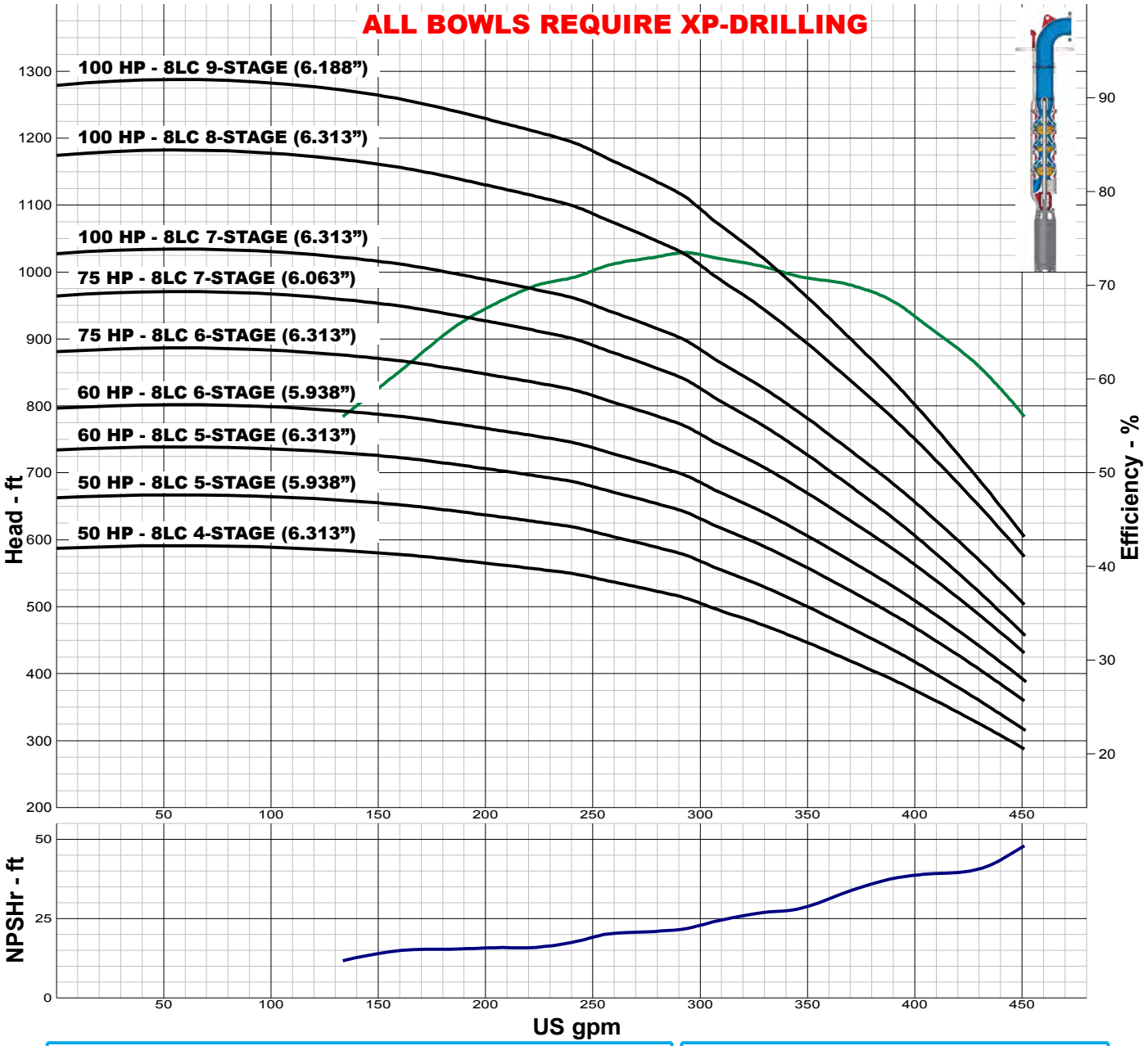
TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

8LC 3450 RPM

ALL BOWLS REQUIRE XP-DRILLING



IMPELLER DATA

IMPELLER NUMBER	3630
TYPE	ENCLOSED
THRUST FACTOR	K=2.98
EYE AREA	4.64 SQ. IN.
WEIGHT	5.75 LB.

Minimum submergence above eye of bottom impeller: 18 IN.

FLANGED BOWL DATA

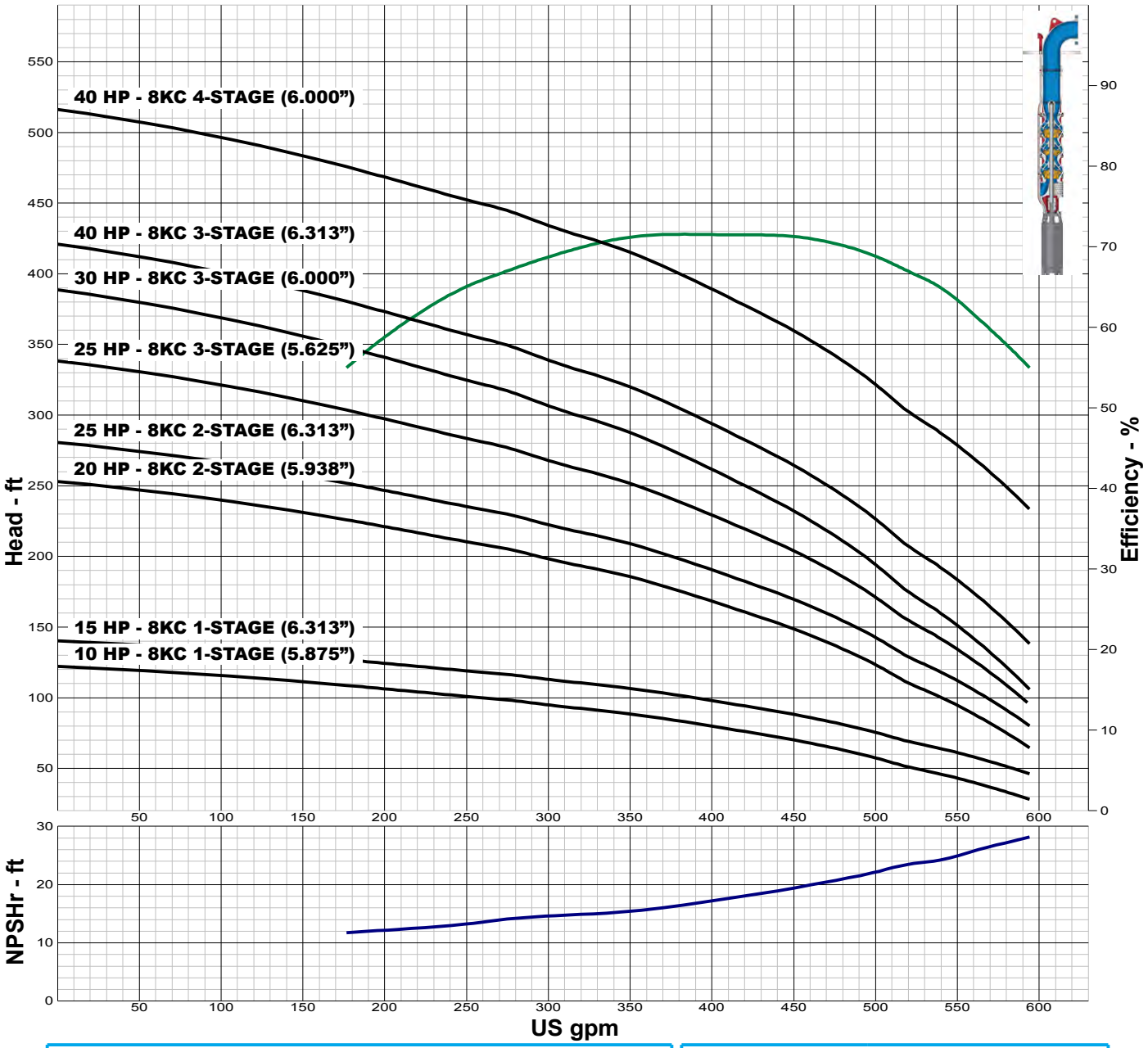
BOWL NUMBER	3629
BOWL MAX. DIAMETER	7.813 IN.
BOWL MIN. DIAMETER	7.500 IN.
MAX. NO. STAGES	12
ONE STAGE WEIGHT	130 LB.
ADD STAGE WEIGHT	30 LB.
STD. SHAFT DIA.	1.000 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD
MAX. SPHERE SIZE	0.250 IN.
MAX. OPERATIONAL P.S.I.	692 (SPECIAL)

Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES 8KC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	3680
TYPE	ENCLOSED
THRUST FACTOR	K=3.93
EYE AREA	5.72 SQ. IN.
WEIGHT	5.50 LB.

Minimum submergence above eye of bottom impeller: 18 IN.

FLANGED BOWL DATA

BOWL NUMBER	3591
BOWL MAX. DIAMETER	7.938 IN.
BOWL MIN. DIAMETER	7.500 IN.
MAX. NO. STAGES	10
ONE STAGE WEIGHT	130 LB.
ADD STAGE WEIGHT	30 LB.
STD. SHAFT DIA.	1.000 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD
MAX. SPHERE SIZE	0.375 IN.
MAX. OPERATIONAL P.S.I.	692 (SPECIAL)

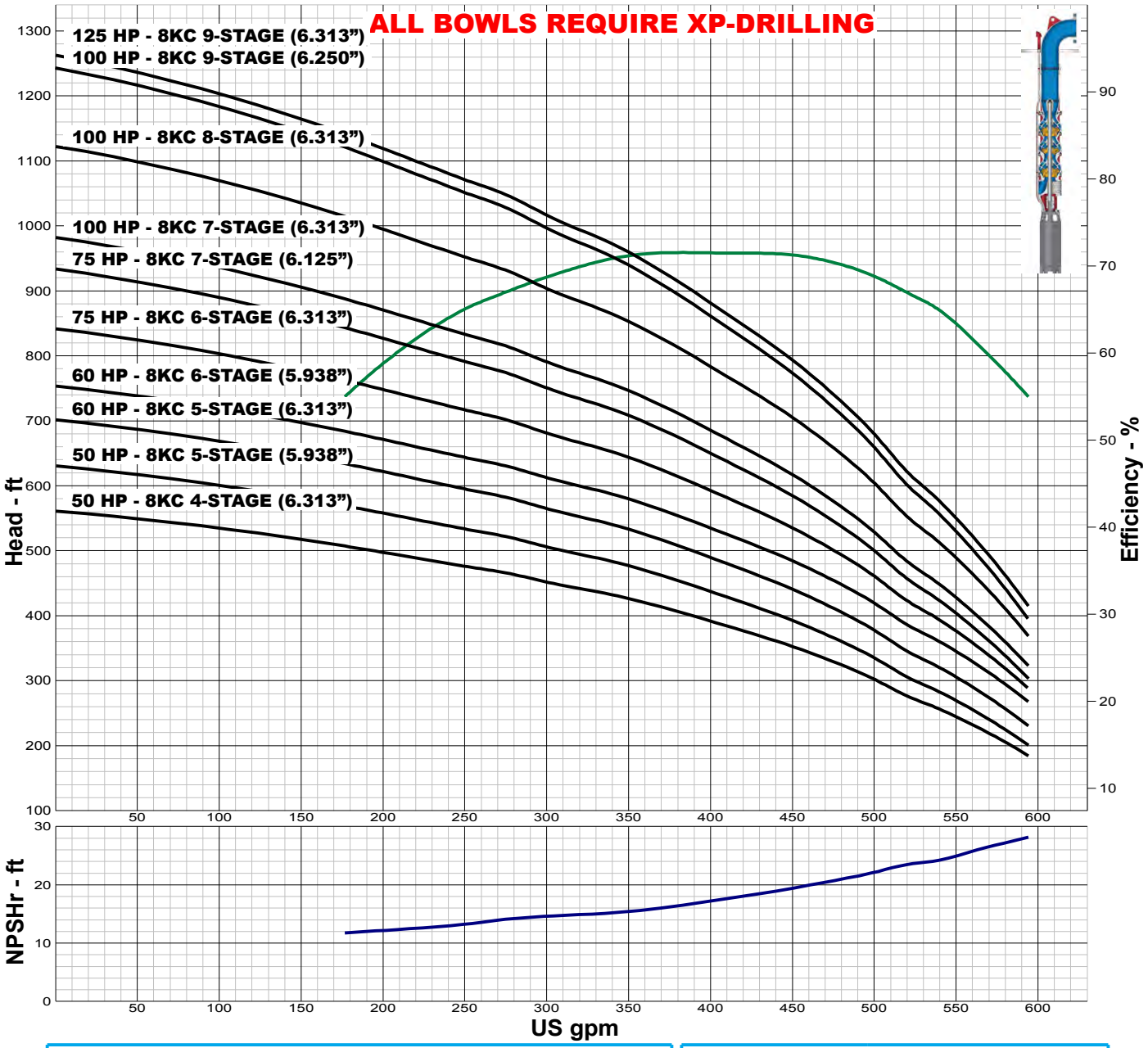
Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

8KC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	3680
TYPE	ENCLOSED
THRUST FACTOR	K=3.93
EYE AREA	5.72 SQ. IN.
WEIGHT	5.50 LB.

Minimum submergence above eye of bottom impeller: 18 IN.

FLANGED BOWL DATA

BOWL NUMBER	3591
BOWL MAX. DIAMETER	7.938 IN.
BOWL MIN. DIAMETER	7.500 IN.
MAX. NO. STAGES	10
ONE STAGE WEIGHT	130 LB.
ADD STAGE WEIGHT	30 LB.
STD. SHAFT DIA.	1.000 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD
MAX. SPHERE SIZE	0.375 IN.
MAX. OPERATIONAL P.S.I.	692 (SPECIAL)

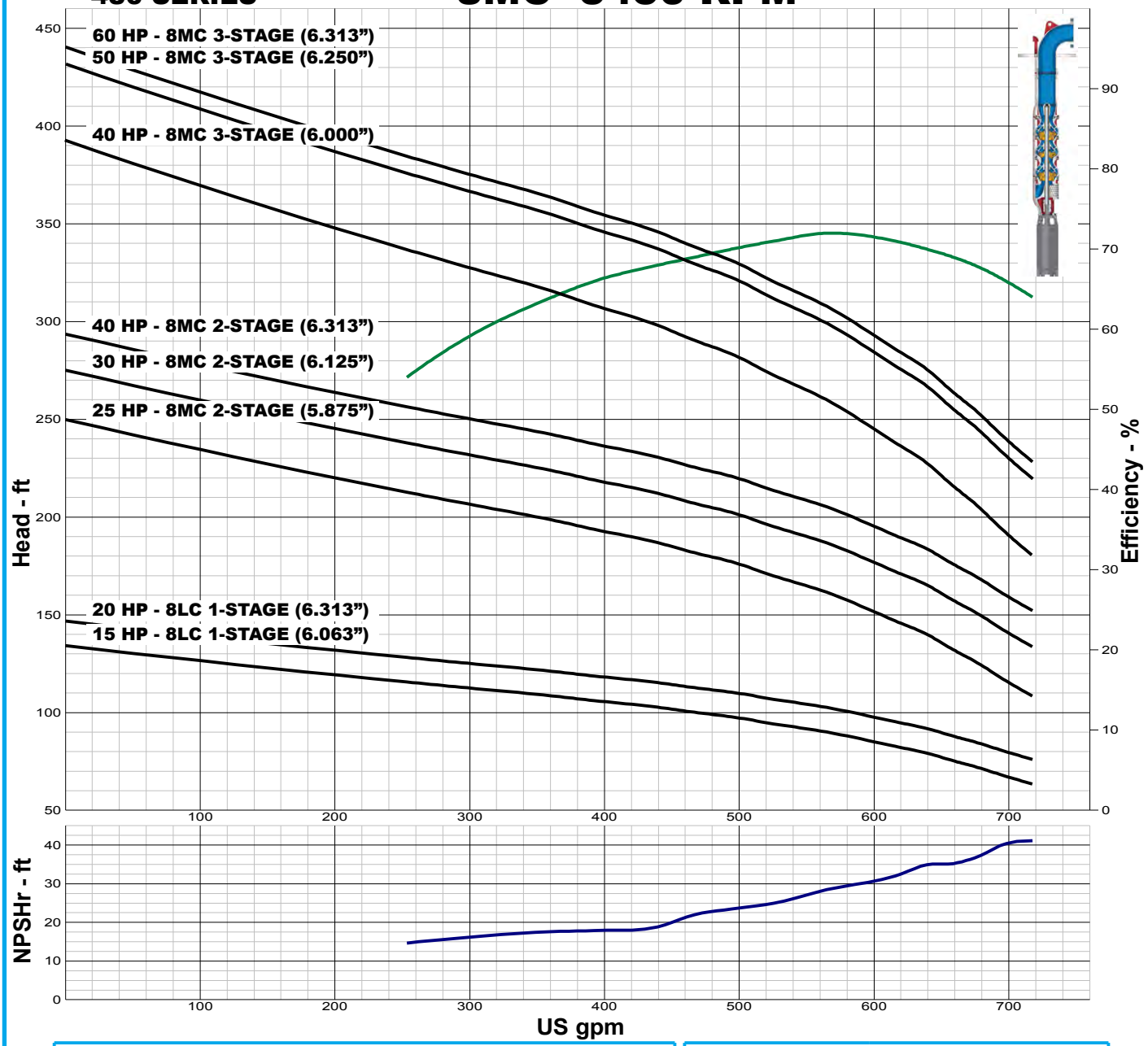
Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

8MC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	3589
TYPE	ENCLOSED
THRUST FACTOR	K=3.93
EYE AREA	6.50 SQ. IN.
WEIGHT	5.00 LB.

Minimum submergence above eye of bottom impeller: 22 IN.

FLANGED BOWL DATA

BOWL NUMBER	3591
BOWL MAX. DIAMETER	7.938 IN.
BOWL MIN. DIAMETER	7.500 IN.
MAX. NO. STAGES	8
ONE STAGE WEIGHT	130 LB.
ADD STAGE WEIGHT	30 LB.
STD. SHAFT DIA.	1.000 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD
MAX. SPHERE SIZE	0.375 IN.
MAX. OPERATIONAL P.S.I.	692 (SPECIAL)

Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

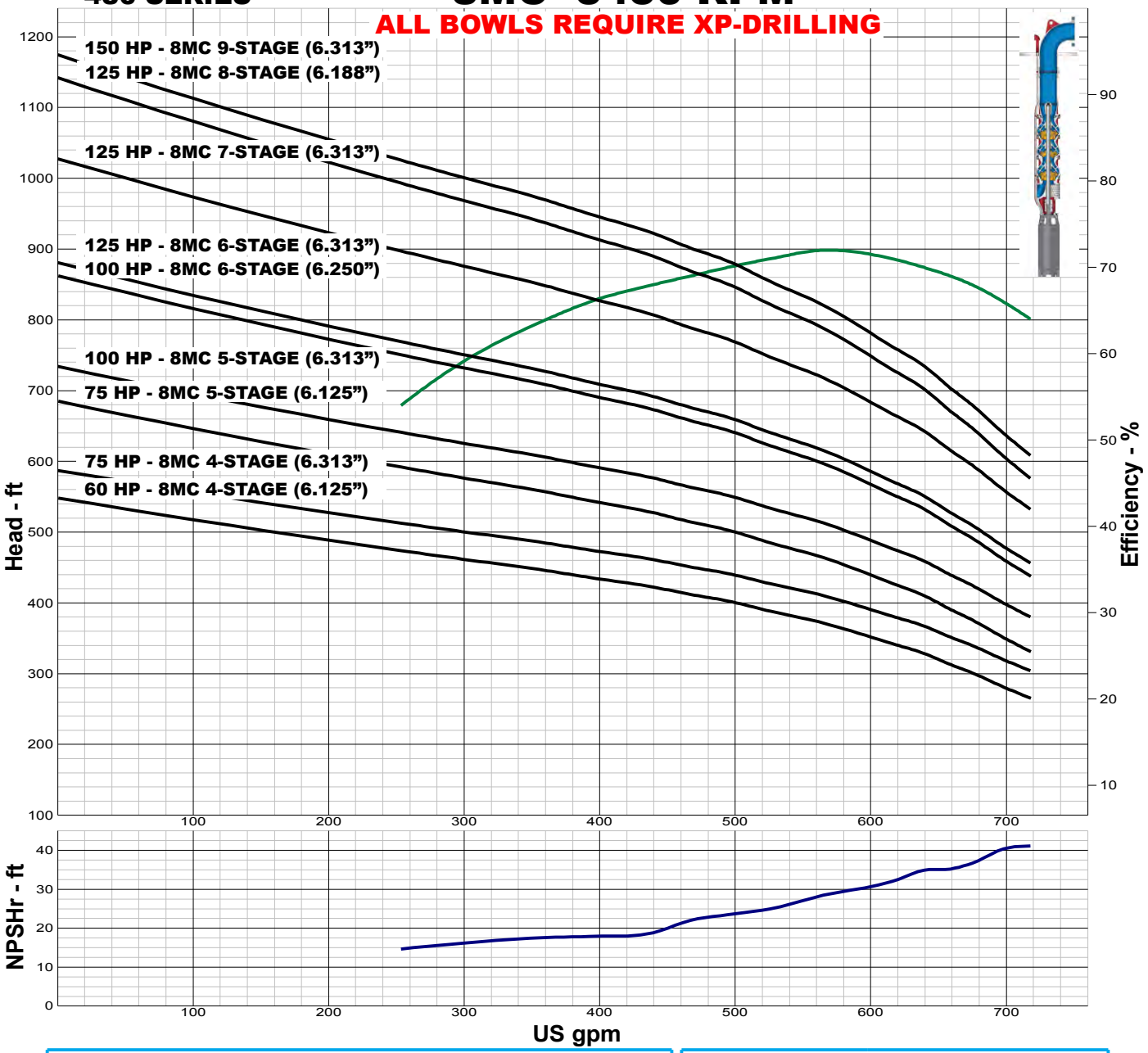
TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

8MC 3450 RPM

ALL BOWLS REQUIRE XP-DRILLING



IMPELLER DATA

IMPELLER NUMBER	3589
TYPE	ENCLOSED
THRUST FACTOR	K=3.93
EYE AREA	6.50 SQ. IN.
WEIGHT	5.00 LB.

Minimum submergence above eye of bottom impeller: 22 IN.

FLANGED BOWL DATA

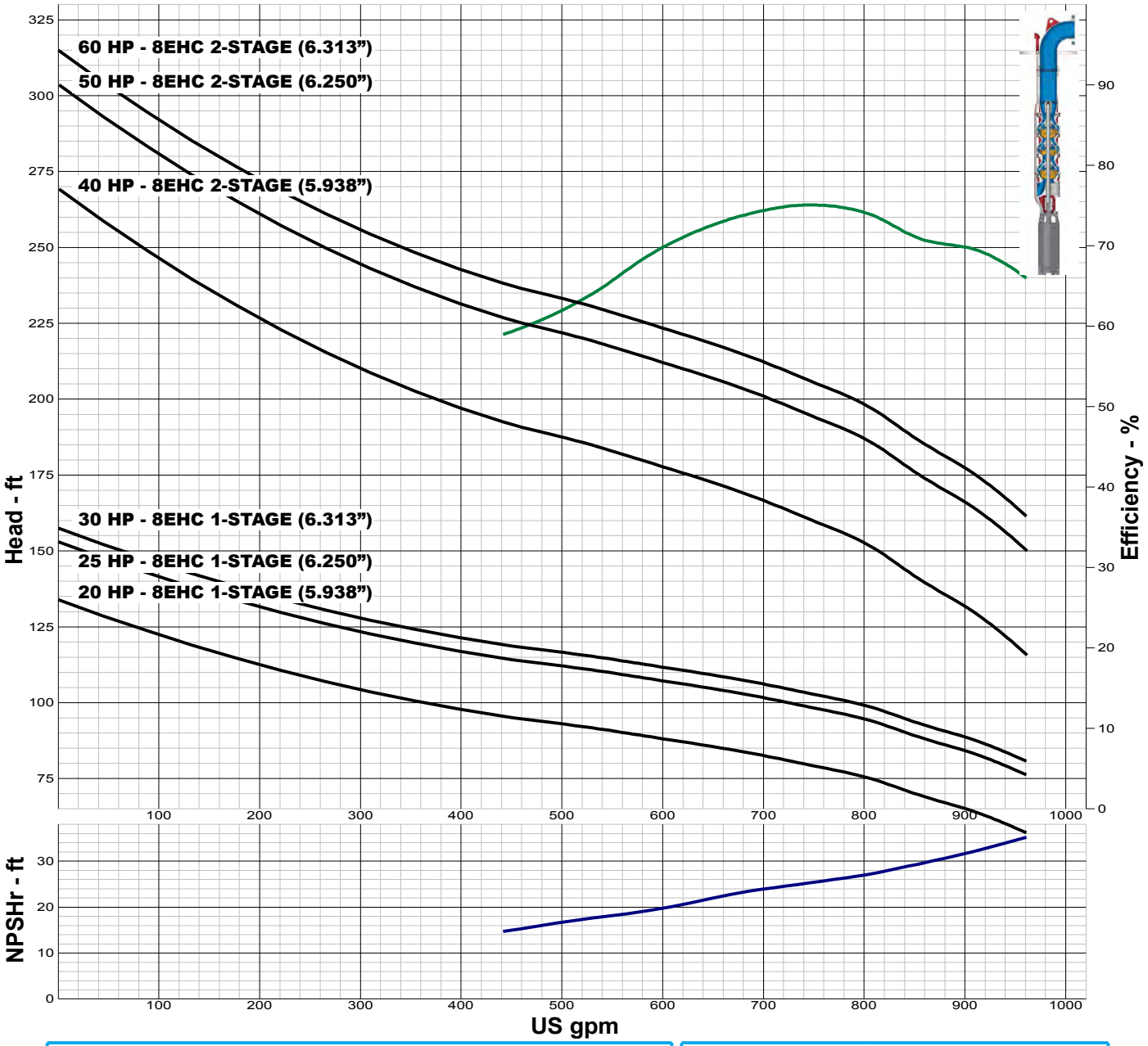
BOWL NUMBER	3591
BOWL MAX. DIAMETER	7.938 IN.
BOWL MIN. DIAMETER	7.500 IN.
MAX. NO. STAGES	8
ONE STAGE WEIGHT	130 LB.
ADD STAGE WEIGHT	30 LB.
STD. SHAFT DIA.	1.000 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD
MAX. SPHERE SIZE	0.375 IN.
MAX. OPERATIONAL P.S.I.	692 (SPECIAL)

Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES 8EHC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	2798
TYPE	ENCLOSED
THRUST FACTOR	K=5.40
EYE AREA	8.33 SQ. IN.
WEIGHT	5.00 LB.

Minimum submergence above eye of bottom impeller: 22 IN.

FLANGED BOWL DATA

BOWL NUMBER	2883
BOWL MAX. DIAMETER	7.938 IN.
BOWL MIN. DIAMETER	7.500 IN.
MAX. NO. STAGES	5
ONE STAGE WEIGHT	130 LB.
ADD STAGE WEIGHT	30 LB.
STD. SHAFT DIA.	1.188 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD
MAX. SPHERE SIZE	0.625 IN.
MAX. OPERATIONAL P.S.I.	692 (SPECIAL)

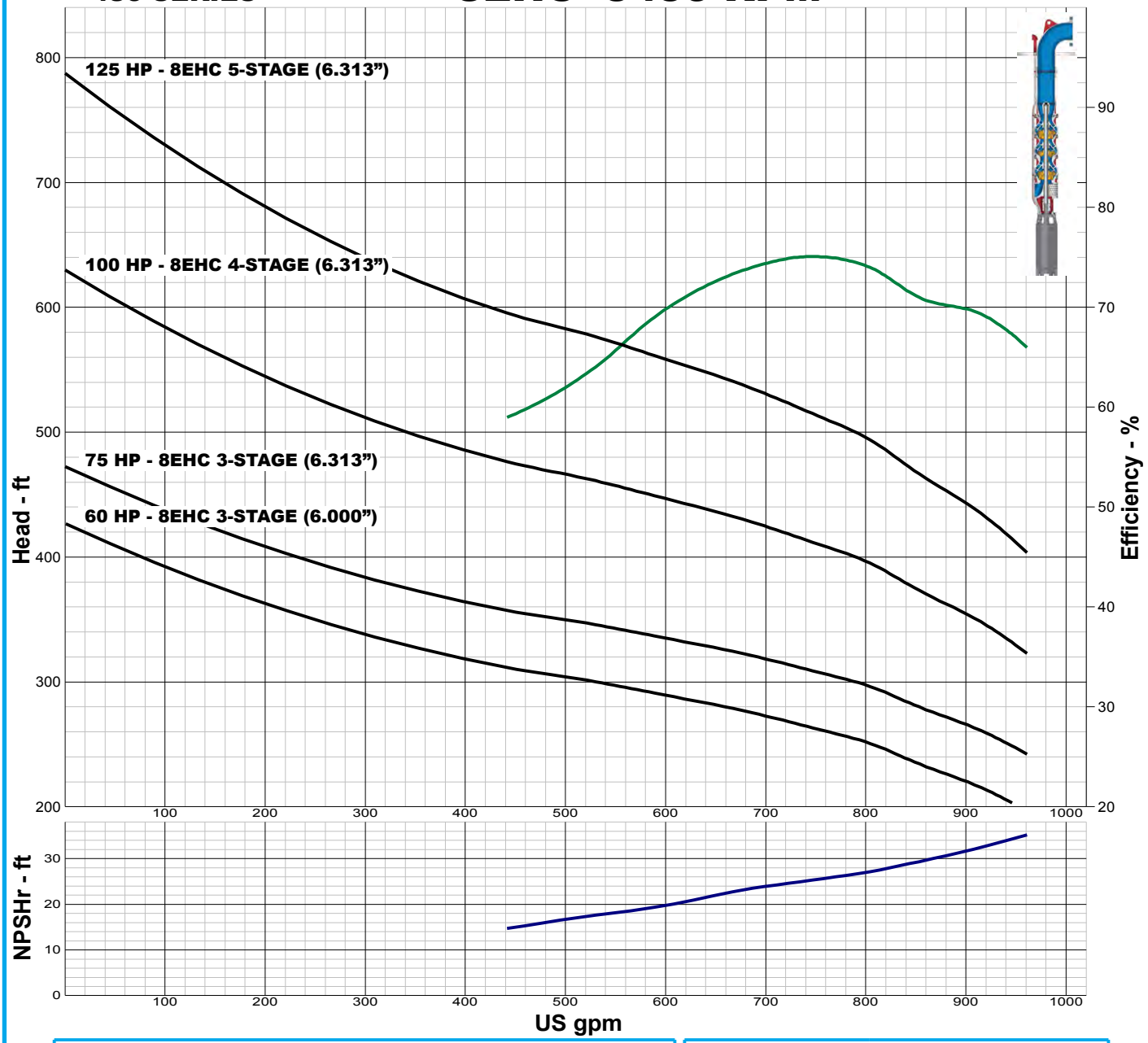
Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

8EHC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	2798	Minimum submergence above eye of bottom impeller: 22 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=5.40	
EYE AREA	8.33 SQ. IN.	
WEIGHT	5.00 LB.	

FLANGED BOWL DATA

BOWL NUMBER	2883
BOWL MAX. DIAMETER	7.938 IN.
BOWL MIN. DIAMETER	7.500 IN.
MAX. NO. STAGES	5
ONE STAGE WEIGHT	130 LB.
ADD STAGE WEIGHT	30 LB.
STD. SHAFT DIA.	1.188 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD
MAX. SPHERE SIZE	0.625 IN.
MAX. OPERATIONAL P.S.I.	692 (SPECIAL)

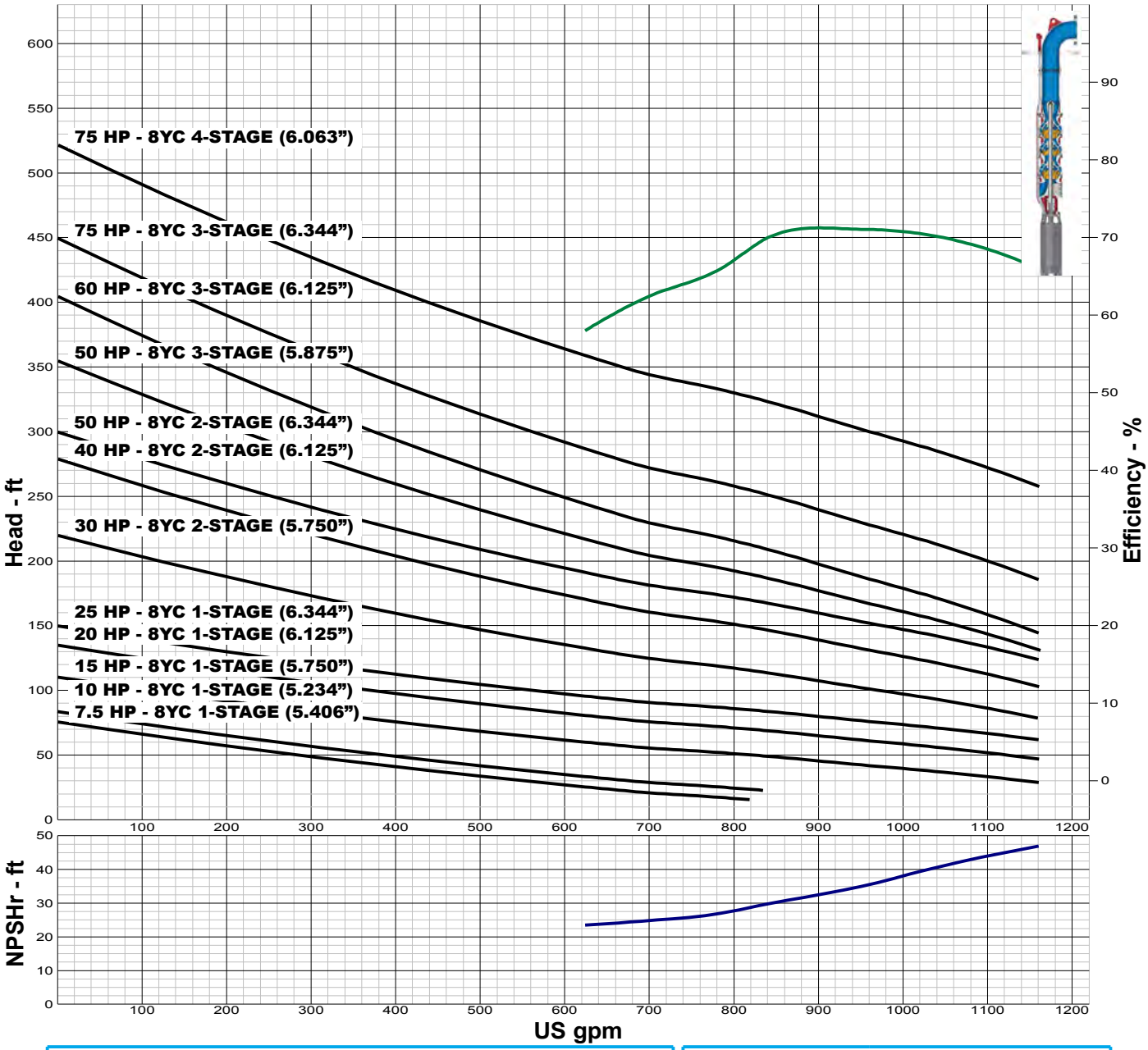
Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

8YC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	5502
TYPE	ENCLOSED
THRUST FACTOR	K=8.00
EYE AREA	15.9 SQ. IN.
WEIGHT	5.25 LB.

Minimum submergence above eye of bottom impeller: 28 IN.

FLANGED BOWL DATA

BOWL NUMBER	5503
BOWL MAX. DIAMETER	7.938 IN.
BOWL MIN. DIAMETER	7.500 IN.
MAX. NO. STAGES	9
ONE STAGE WEIGHT	139 LB.
ADD STAGE WEIGHT	39 LB.
STD. SHAFT DIA.	1.188 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD
MAX. SPHERE SIZE	1.125 IN.
MAX. OPERATIONAL P.S.I.	692 (SPECIAL)

Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

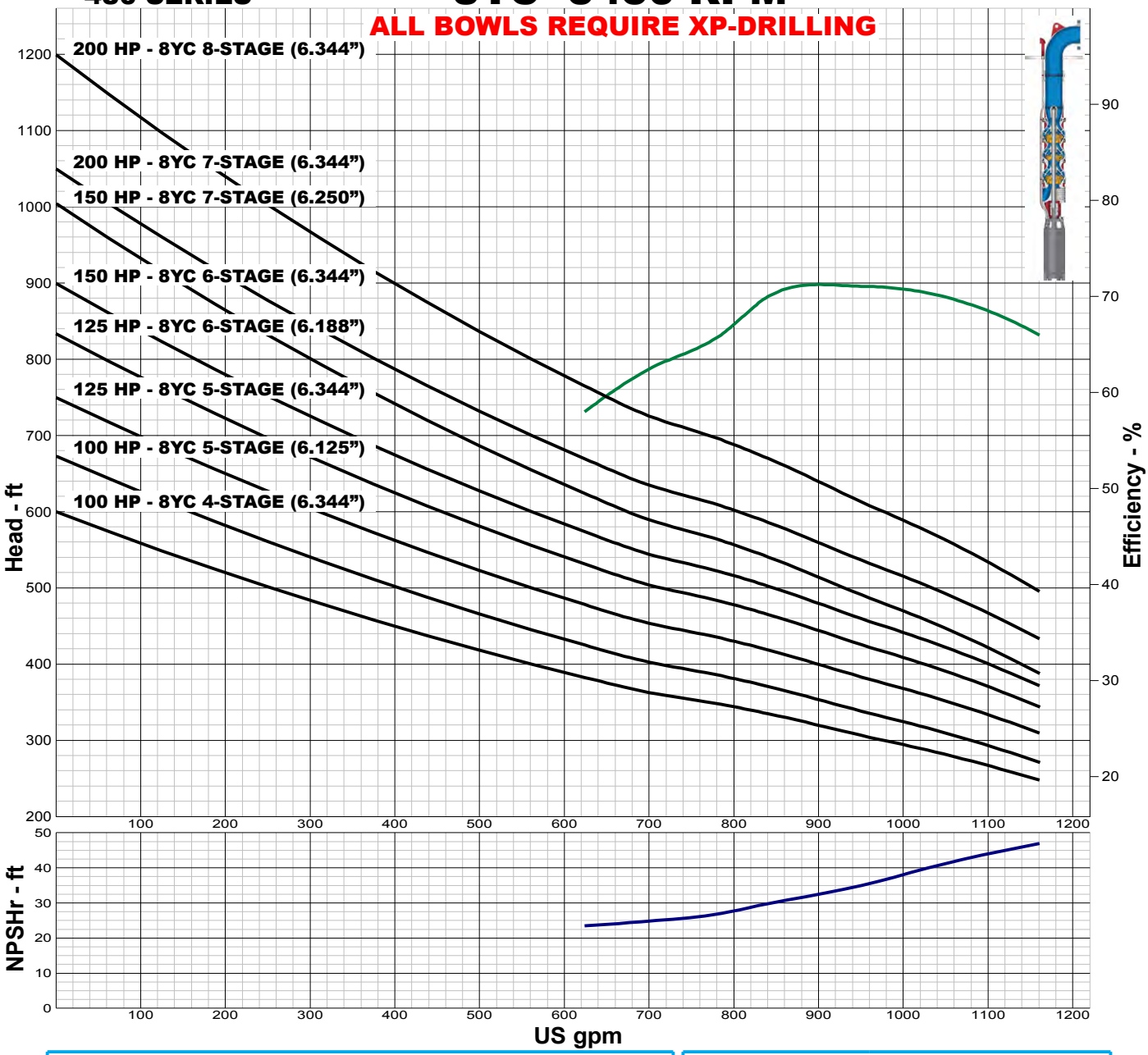
TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

8YC 3450 RPM

ALL BOWLS REQUIRE XP-DRILLING



IMPELLER DATA

IMPELLER NUMBER	5502
TYPE	ENCLOSED
THRUST FACTOR	K=8.00
EYE AREA	15.9 SQ. IN.
WEIGHT	5.25 LB.

Minimum submergence above eye of bottom impeller: 28 IN.

FLANGED BOWL DATA

BOWL NUMBER	5503
BOWL MAX. DIAMETER	7.938 IN.
BOWL MIN. DIAMETER	7.500 IN.
MAX. NO. STAGES	9
ONE STAGE WEIGHT	139 LB.
ADD STAGE WEIGHT	39 LB.
STD. SHAFT DIA.	1.188 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD
MAX. SPHERE SIZE	1.125 IN.
MAX. OPERATIONAL P.S.I.	692 (SPECIAL)

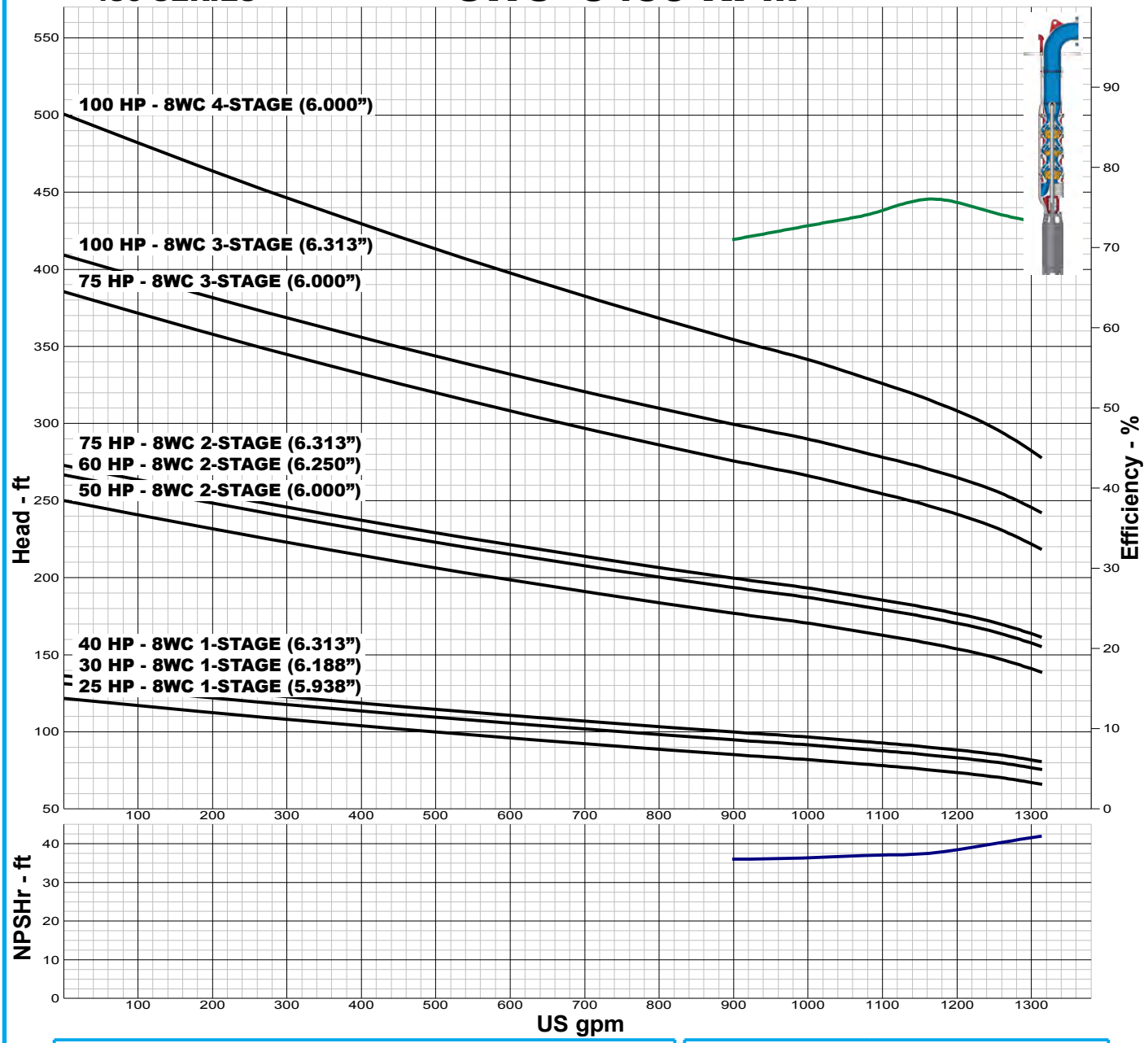
Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

AMERICAN-MARSH PUMPS

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES 8WC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	3050
TYPE	ENCLOSED
THRUST FACTOR	K=6.20
EYE AREA	17.2 SQ. IN.
WEIGHT	6.50 LB.

Minimum submergence above eye of bottom impeller: 28 IN.

THREADED BOWL DATA

BOWL NUMBER	3169
BOWL MAX. DIAMETER	7.750 IN.
BOWL MIN. DIAMETER	7.625 IN.
MAX. NO. STAGES	7
ONE STAGE WEIGHT	88 LB.
ADD STAGE WEIGHT	39 LB.
STD. SHAFT DIA.	1.188 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD
MAX. SPHERE SIZE	1.125 IN.
MAX. OPERATIONAL P.S.I.	692 (SPECIAL)

Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

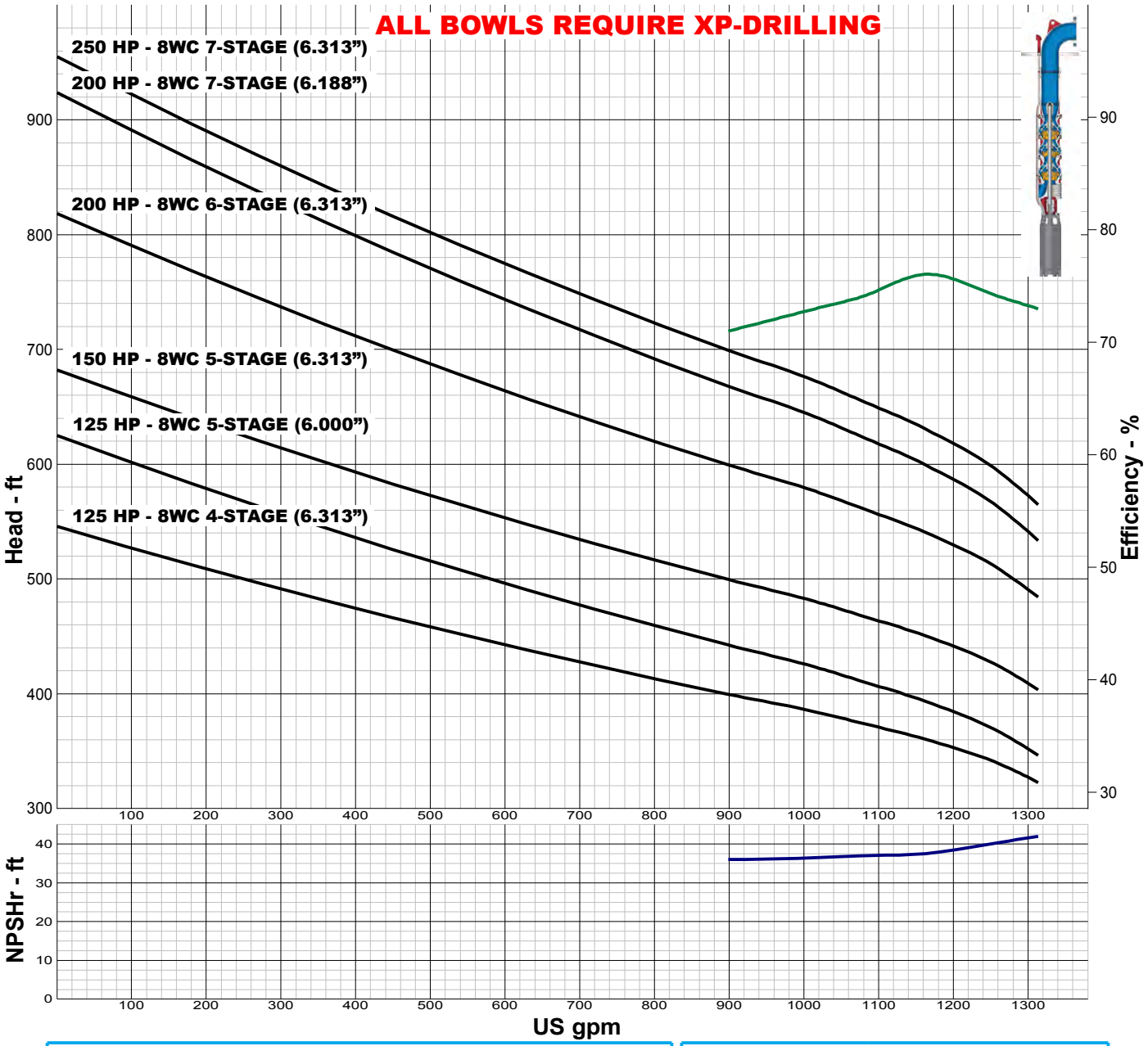
TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

8WC 3450 RPM

ALL BOWLS REQUIRE XP-DRILLING



IMPELLER DATA

IMPELLER NUMBER	3050
TYPE	ENCLOSED
THRUST FACTOR	K=6.20
EYE AREA	17.2 SQ. IN.
WEIGHT	6.50 LB.

Minimum submergence above eye of bottom impeller: 28 IN.

THREADED BOWL DATA

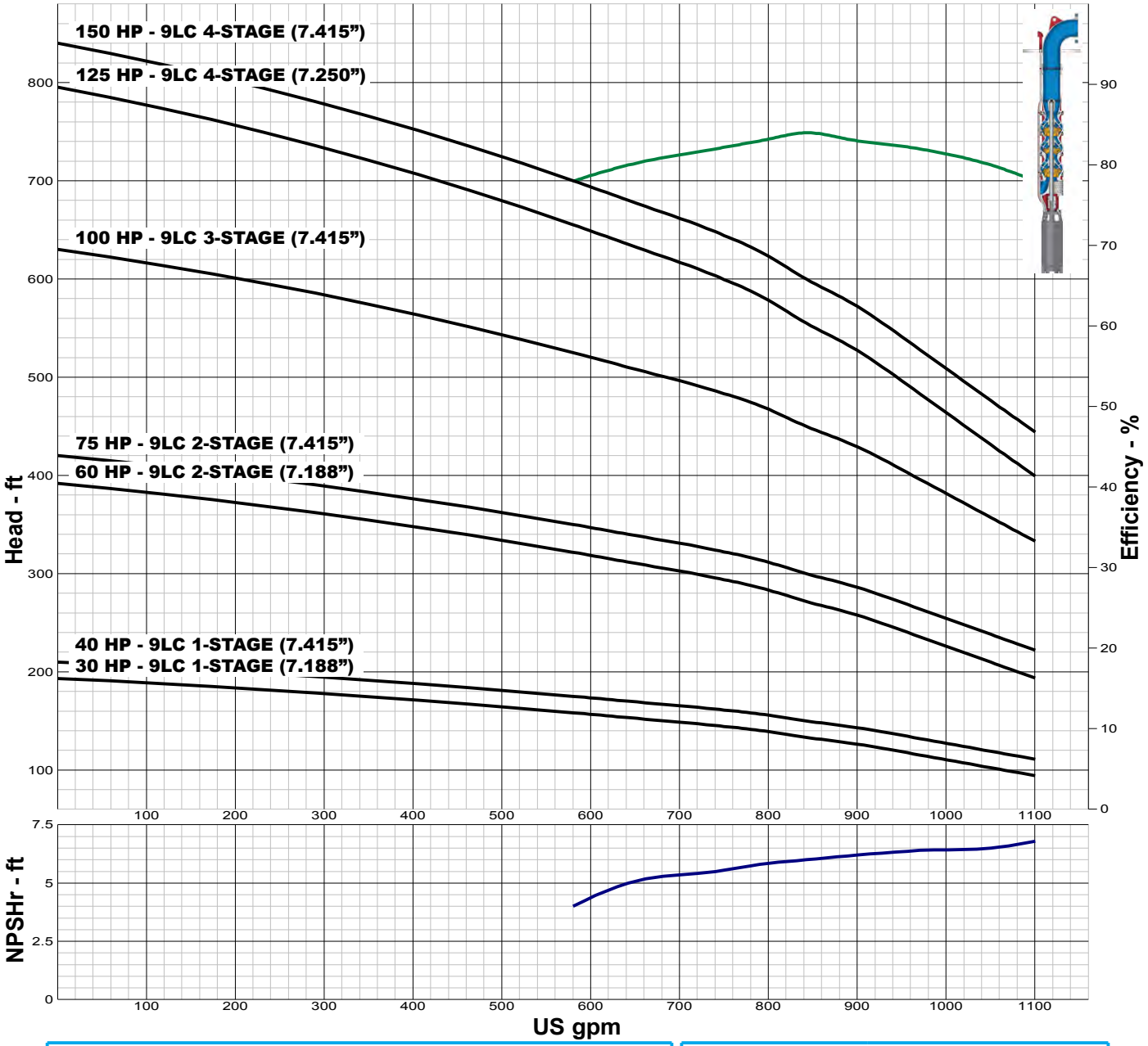
BOWL NUMBER	3169
BOWL MAX. DIAMETER	7.750 IN.
BOWL MIN. DIAMETER	7.625 IN.
MAX. NO. STAGES	7
ONE STAGE WEIGHT	88 LB.
ADD STAGE WEIGHT	39 LB.
STD. SHAFT DIA.	1.188 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD
MAX. SPHERE SIZE	1.125 IN.
MAX. OPERATIONAL P.S.I.	692 (SPECIAL)

Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES 9LC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	7747
TYPE	ENCLOSED
THRUST FACTOR	K=4.90
EYE AREA	12.4 SQ. IN.
WEIGHT	8.20 LB.

Minimum submergence above eye of bottom impeller: 30 IN.

FLANGED BOWL DATA

BOWL NUMBER	7038
BOWL MAX. DIAMETER	9.438 IN.
BOWL MIN. DIAMETER	9.250 IN.
MAX. NO. STAGES	12
ONE STAGE WEIGHT	145 LB.
ADD STAGE WEIGHT	50 LB.
STD. SHAFT DIA.	1.500 IN.
DISCHARGE SIZE	6 - 8 IN.
DISCHARGE CONNECTION	THD - FLG
MAX. SPHERE SIZE	0.750 IN.
MAX. OPERATIONAL P.S.I.	595 (SPECIAL)

Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

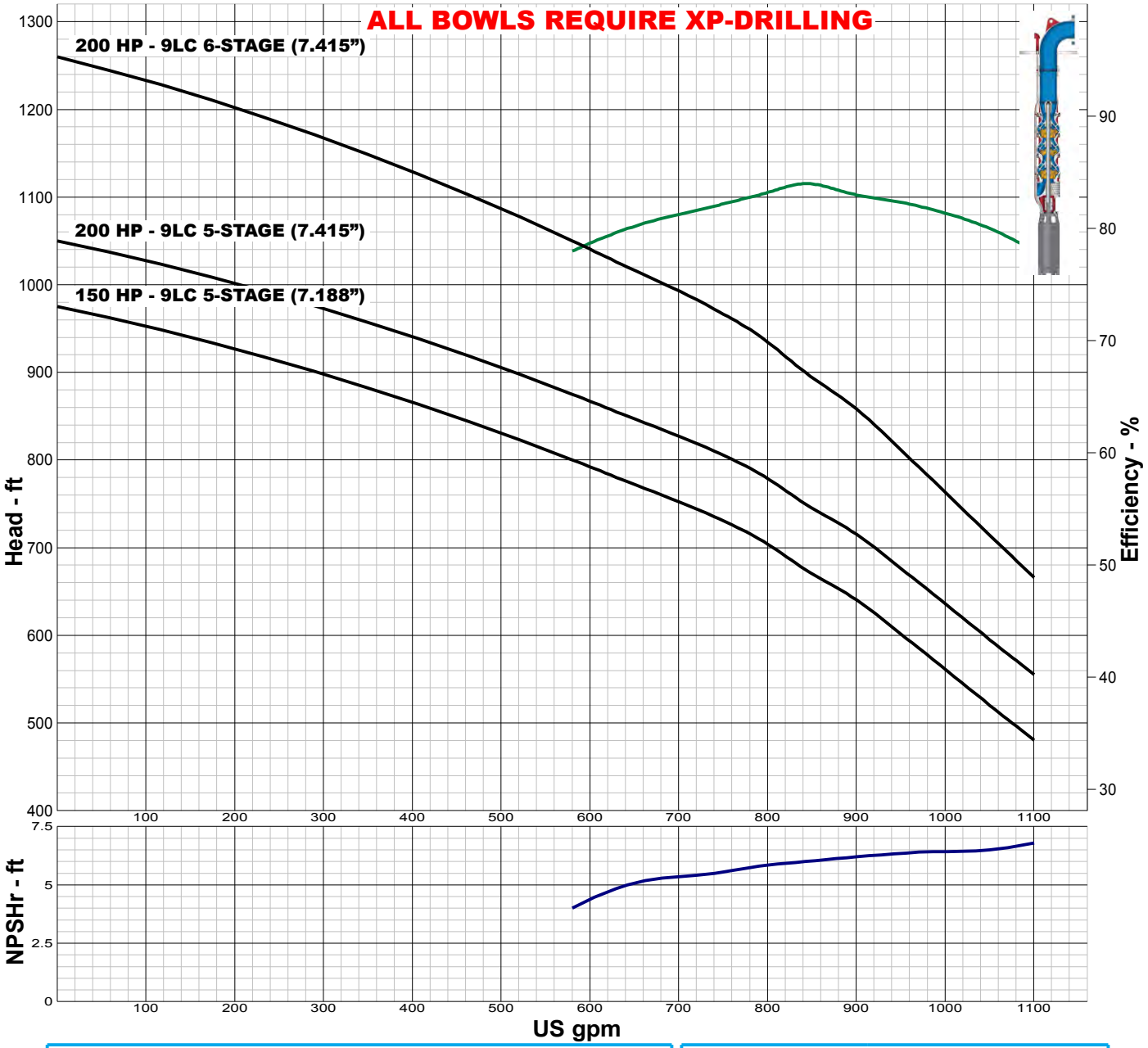
TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

9LC 3450 RPM

ALL BOWLS REQUIRE XP-DRILLING



IMPELLER DATA

IMPELLER NUMBER	7747
TYPE	ENCLOSED
THRUST FACTOR	K=4.90
EYE AREA	12.4 SQ. IN.
WEIGHT	8.20 LB.

Minimum submergence above eye of bottom impeller: 30 IN.

FLANGED BOWL DATA

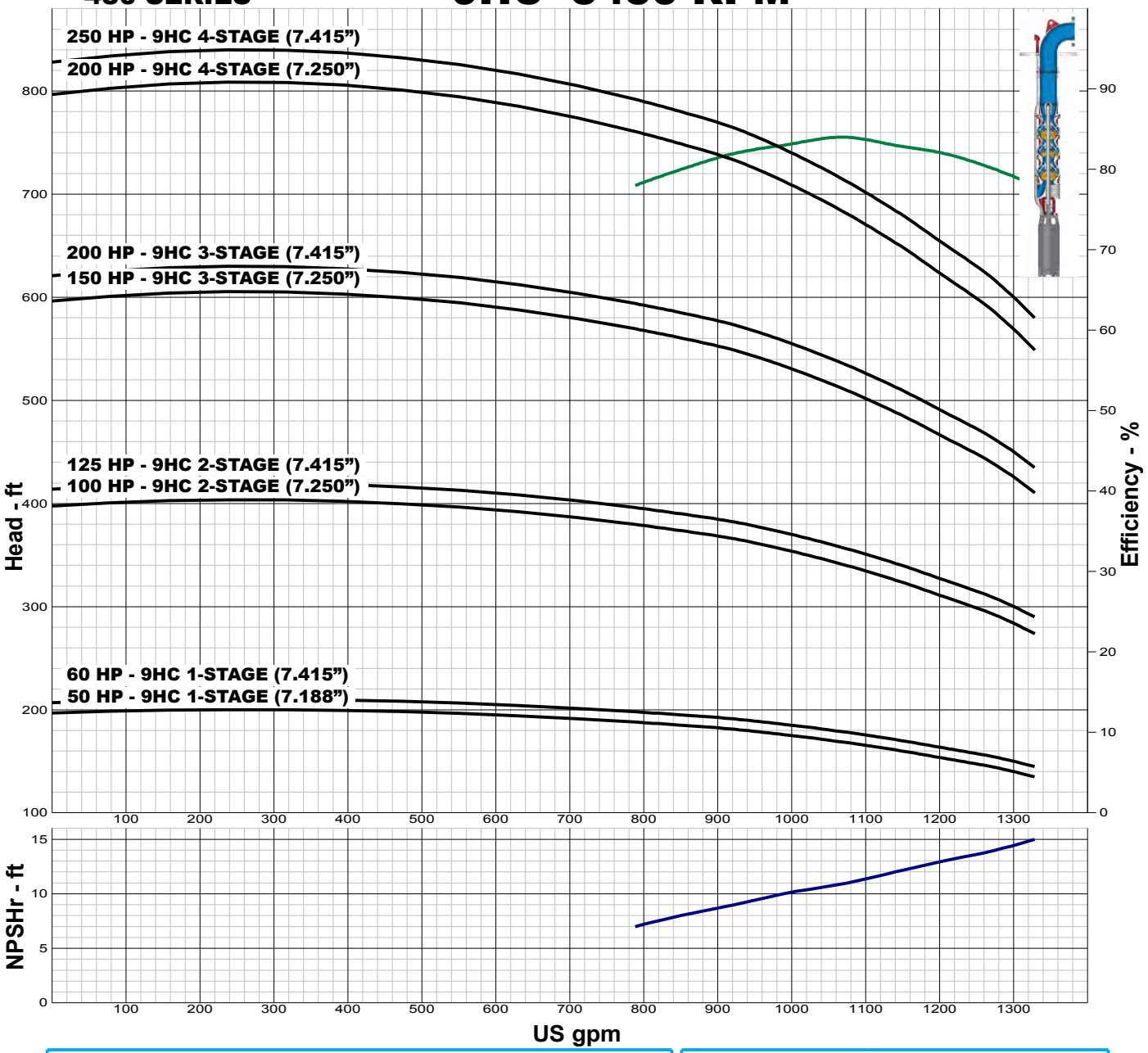
BOWL NUMBER	7038
BOWL MAX. DIAMETER	9.438 IN.
BOWL MIN. DIAMETER	9.250 IN.
MAX. NO. STAGES	12
ONE STAGE WEIGHT	145 LB.
ADD STAGE WEIGHT	50 LB.
STD. SHAFT DIA.	1.500 IN.
DISCHARGE SIZE	6 - 8 IN.
DISCHARGE CONNECTION	THD - FLG
MAX. SPHERE SIZE	0.750 IN.
MAX. OPERATIONAL P.S.I.	595 (SPECIAL)

Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES 9HC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	7756
TYPE	ENCLOSED
THRUST FACTOR	K=3.10
EYE AREA	12.4 SQ. IN.
WEIGHT	8.20 LB.

Minimum submergence above eye of bottom impeller: 30 IN.

FLANGED BOWL DATA

BOWL NUMBER	7038
BOWL MAX. DIAMETER	9.438 IN.
BOWL MIN. DIAMETER	9.250 IN.
MAX. NO. STAGES	9
ONE STAGE WEIGHT	145 LB.
ADD STAGE WEIGHT	50 LB.
STD. SHAFT DIA.	1.500 IN.
DISCHARGE SIZE	6 - 8 IN.
DISCHARGE CONNECTION	THD - FLG
MAX. SPHERE SIZE	0.750 IN.
MAX. OPERATIONAL P.S.I.	595 (SPECIAL)

Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

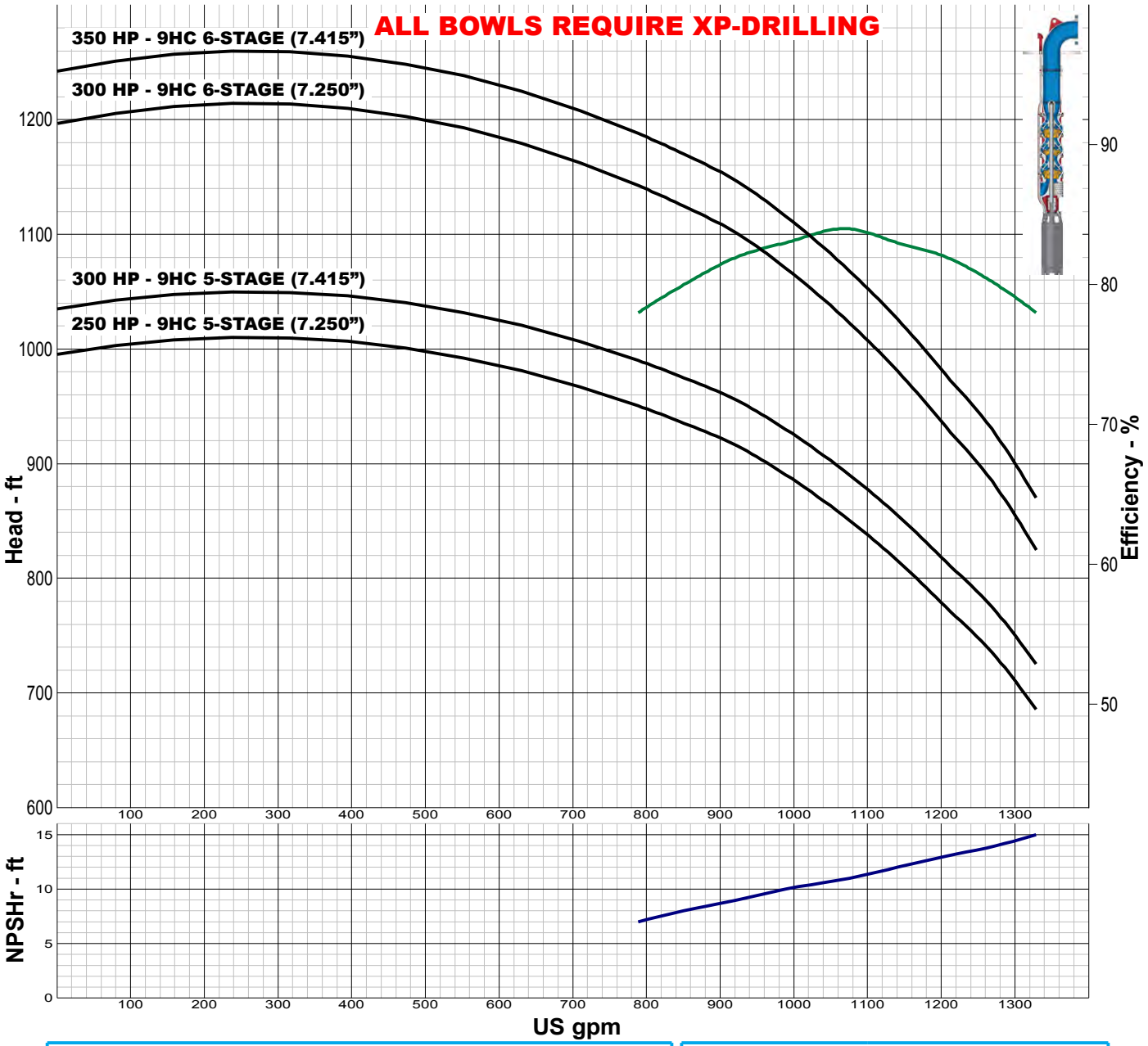
TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

9HC 3450 RPM

ALL BOWLS REQUIRE XP-DRILLING



IMPELLER DATA

IMPELLER NUMBER	7756
TYPE	ENCLOSED
THRUST FACTOR	K=3.10
EYE AREA	12.4 SQ. IN.
WEIGHT	8.20 LB.

Minimum submergence above eye of bottom impeller: 30 IN.

FLANGED BOWL DATA

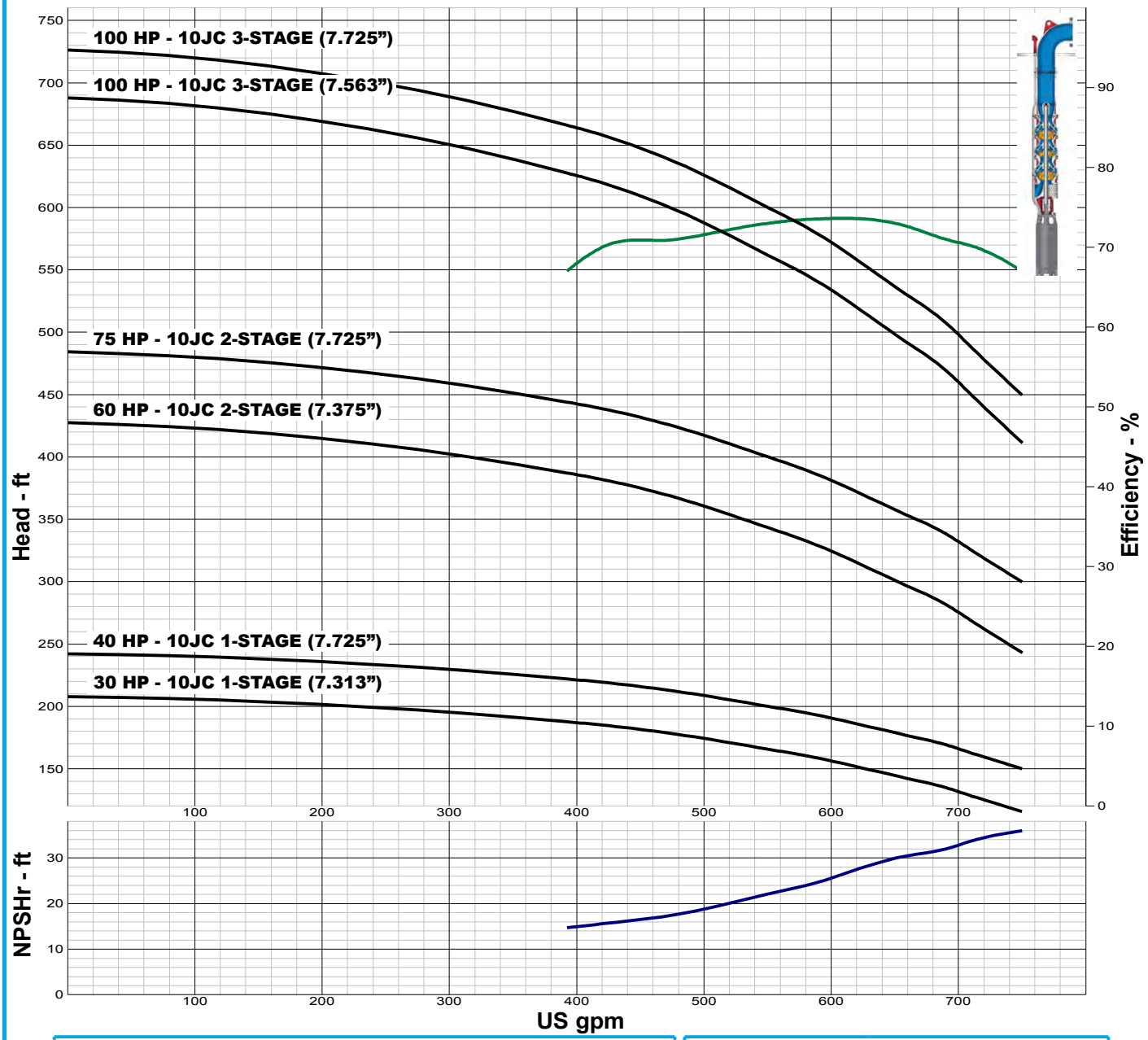
BOWL NUMBER	7038
BOWL MAX. DIAMETER	9.438 IN.
BOWL MIN. DIAMETER	9.250 IN.
MAX. NO. STAGES	9
ONE STAGE WEIGHT	145 LB.
ADD STAGE WEIGHT	50 LB.
STD. SHAFT DIA.	1.500 IN.
DISCHARGE SIZE	6 - 8 IN.
DISCHARGE CONNECTION	THD - FLG
MAX. SPHERE SIZE	0.750 IN.
MAX. OPERATIONAL P.S.I.	595 (SPECIAL)

Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES 10JC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	3094
TYPE	ENCLOSED
THRUST FACTOR	K=3.98
EYE AREA	7.89 SQ. IN.
WEIGHT	9.25 LB.

Minimum submergence above eye of bottom impeller: 32 IN.

FLANGED BOWL DATA

BOWL NUMBER	3096
BOWL MAX. DIAMETER	9.875 IN.
BOWL MIN. DIAMETER	9.500 IN.
MAX. NO. STAGES	13
ONE STAGE WEIGHT	230 LB.
ADD STAGE WEIGHT	55 LB.
STD. SHAFT DIA.	1.500 IN.
DISCHARGE SIZE	6 - 8 IN.
DISCHARGE CONNECTION	THD - FLG
MAX. SPHERE SIZE	0.500 IN.
MAX. OPERATIONAL P.S.I.	595 (SPECIAL)

Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

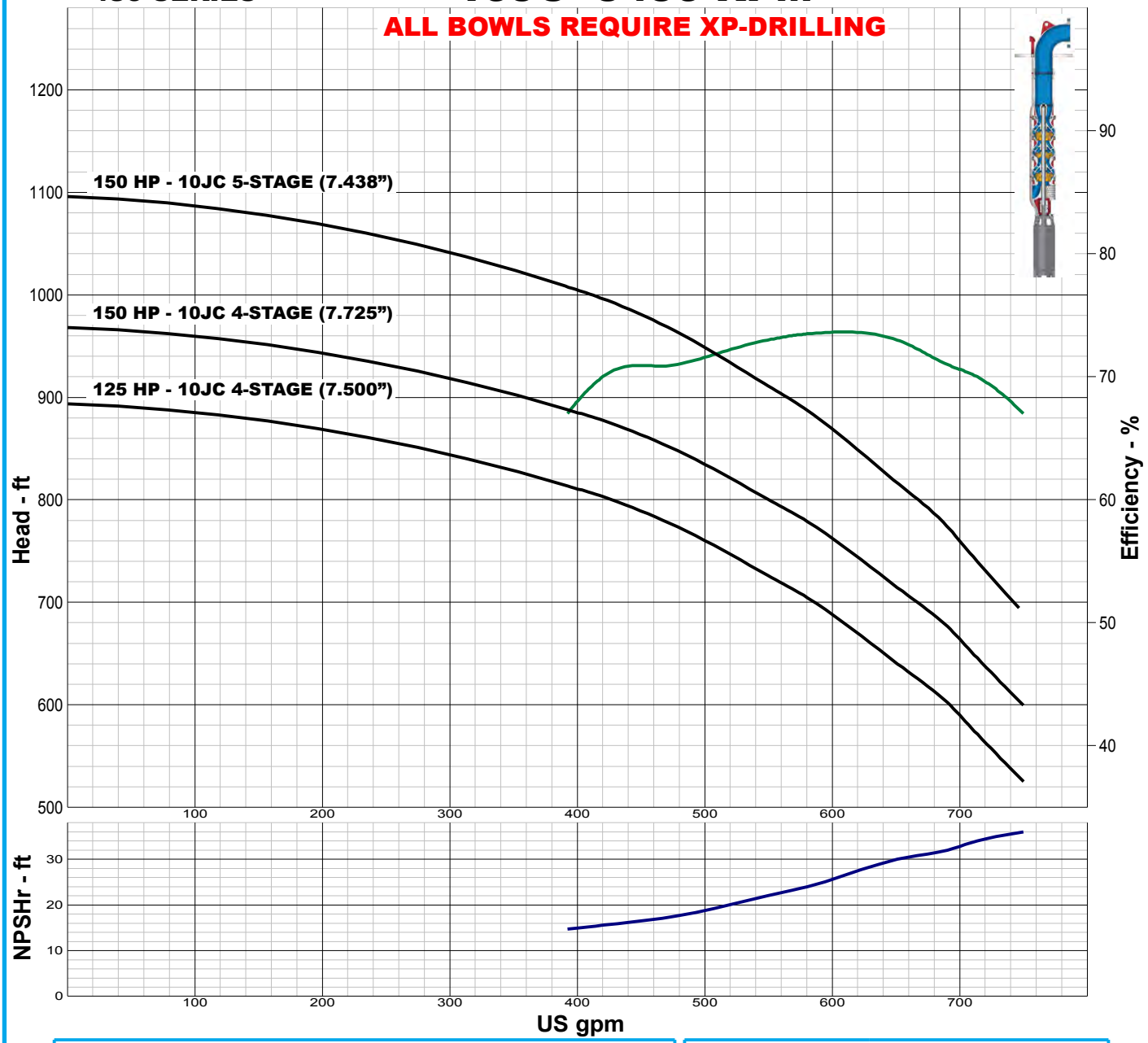
TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

10JC 3450 RPM

ALL BOWLS REQUIRE XP-DRILLING



IMPELLER DATA

IMPELLER NUMBER	3094
TYPE	ENCLOSED
THRUST FACTOR	K=3.98
EYE AREA	7.89 SQ. IN.
WEIGHT	9.25 LB.

Minimum submergence above eye of bottom impeller: 32 IN.

FLANGED BOWL DATA

BOWL NUMBER	3096
BOWL MAX. DIAMETER	9.875 IN.
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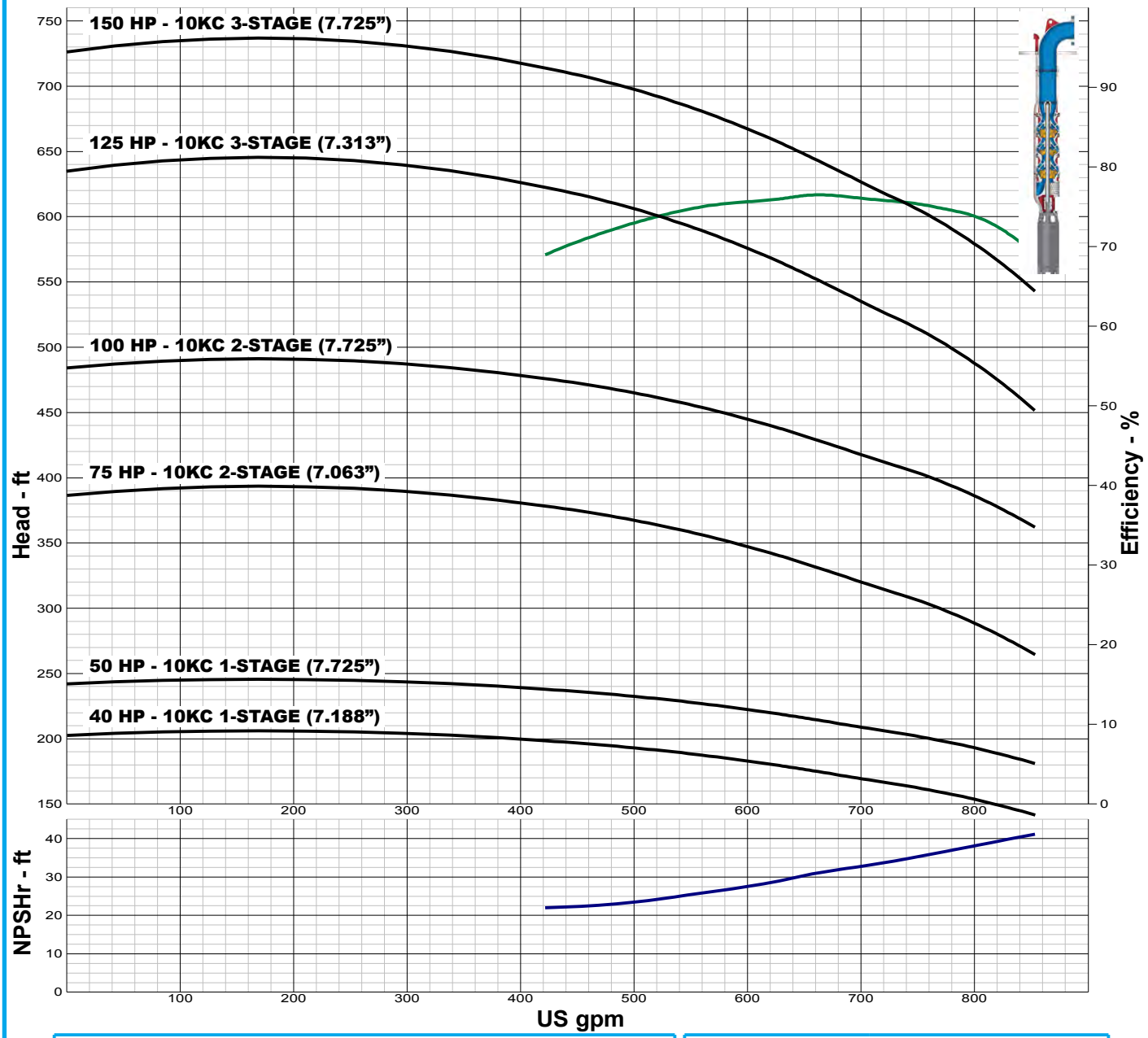
MAX. NO. STAGES	13
ONE STAGE WEIGHT	230 LB.
ADD STAGE WEIGHT	55 LB.
STD. SHAFT DIA.	1.500 IN.
DISCHARGE SIZE	6 - 8 IN.
DISCHARGE CONNECTION	THD - FLG
MAX. SPHERE SIZE	0.500 IN.
MAX. OPERATIONAL P.S.I.	595 (SPECIAL)

Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES 10KC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	3095
TYPE	ENCLOSED
THRUST FACTOR	K=4.20
EYE AREA	7.89 SQ. IN.
WEIGHT	9.50 LB.

Minimum submergence above eye of bottom impeller: 32 IN.

FLANGED BOWL DATA

BOWL NUMBER	3096
BOWL MAX. DIAMETER	9.875 IN.
BOWL MIN. DIAMETER	9.500 IN.
MAX. NO. STAGES	9
ONE STAGE WEIGHT	230 LB.
ADD STAGE WEIGHT	55 LB.
STD. SHAFT DIA.	1.500 IN.
DISCHARGE SIZE	6 - 8 IN.
DISCHARGE CONNECTION	THD - FLG
MAX. SPHERE SIZE	0.438 IN.
MAX. OPERATIONAL P.S.I.	595 (SPECIAL)

Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

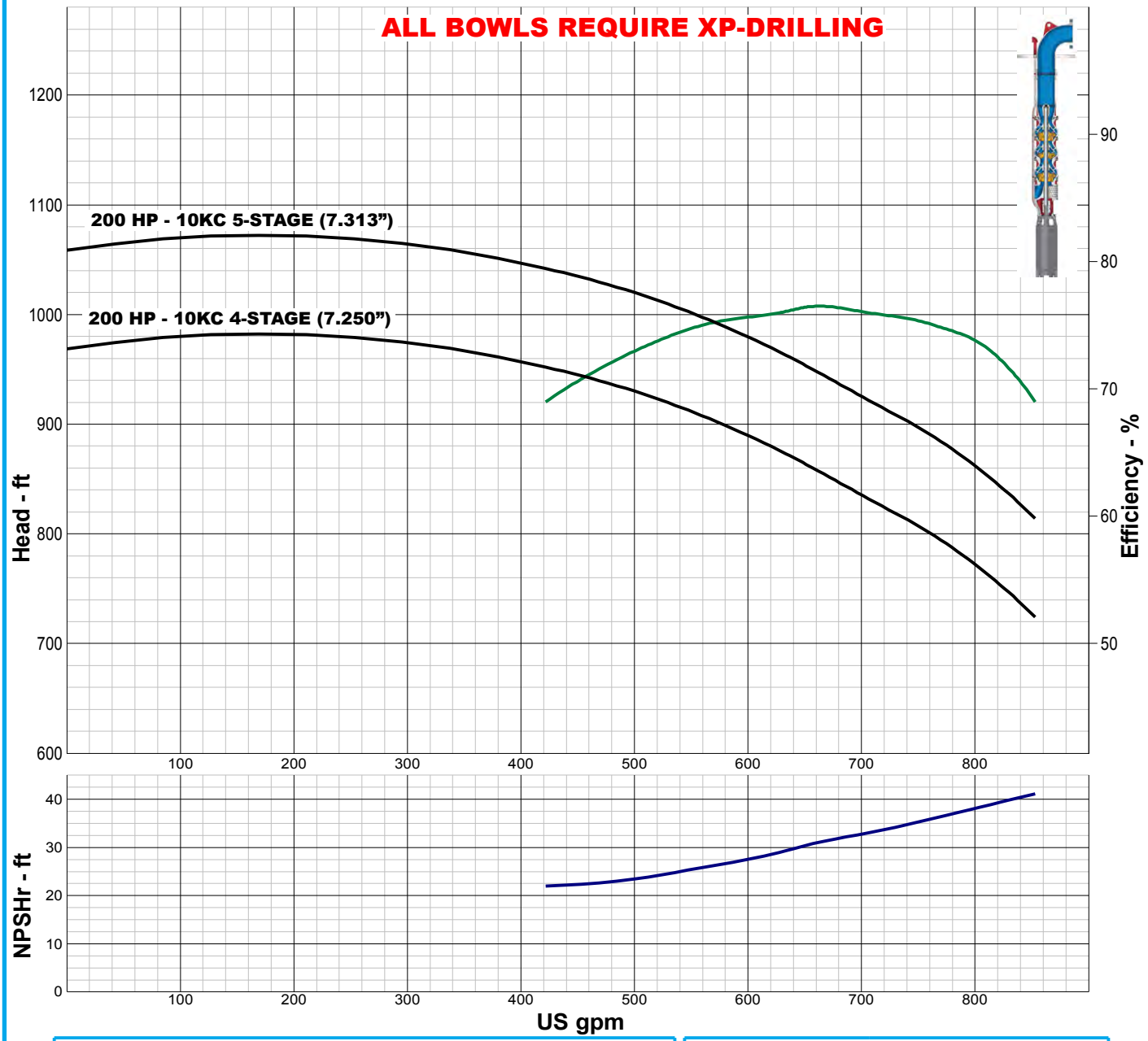
TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

10KC 3450 RPM

ALL BOWLS REQUIRE XP-DRILLING



IMPELLER DATA

IMPELLER NUMBER	3095
TYPE	ENCLOSED
THRUST FACTOR	K=4.20
EYE AREA	7.89 SQ. IN.
WEIGHT	9.50 LB.

Minimum submergence above eye of bottom impeller: 32 IN.

FLANGED BOWL DATA

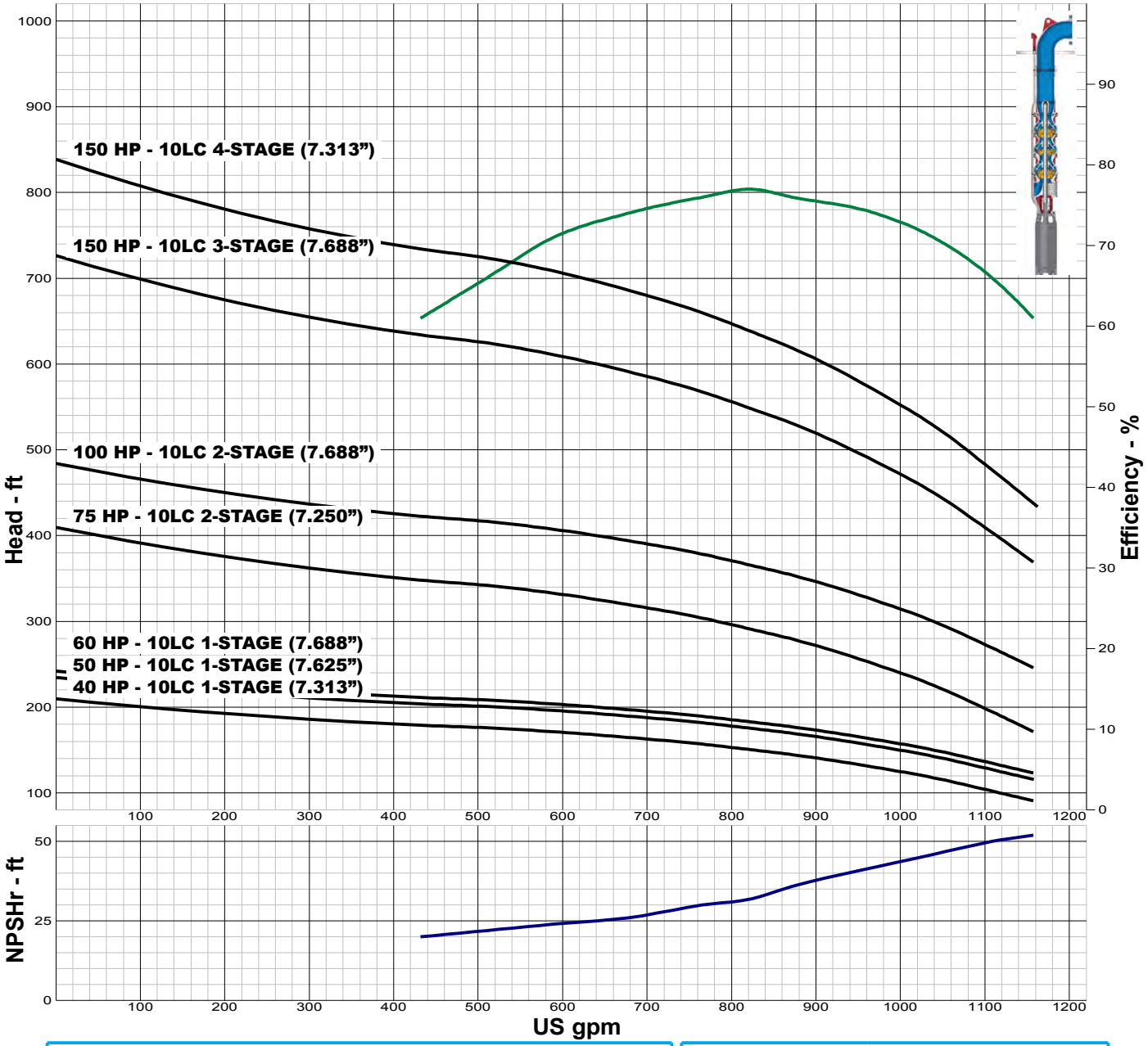
BOWL NUMBER	3096
BOWL MAX. DIAMETER	9.875 IN.
BOWL MIN. DIAMETER	9.500 IN.
MAX. NO. STAGES	9
ONE STAGE WEIGHT	230 LB.
ADD STAGE WEIGHT	55 LB.
STD. SHAFT DIA.	1.500 IN.
DISCHARGE SIZE	6 - 8 IN.
DISCHARGE CONNECTION	THD - FLG
MAX. SPHERE SIZE	0.438 IN.
MAX. OPERATIONAL P.S.I.	595 (SPECIAL)

Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES 10LC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	3012
TYPE	ENCLOSED
THRUST FACTOR	K=6.60
EYE AREA	10.2 SQ. IN.
WEIGHT	9.75 LB.

Minimum submergence above eye of bottom impeller: 36 IN.

FLANGED BOWL DATA

BOWL NUMBER	3098
BOWL MAX. DIAMETER	9.500 IN.
BOWL MIN. DIAMETER	9.250 IN.
MAX. NO. STAGES	13
ONE STAGE WEIGHT	230 LB.
ADD STAGE WEIGHT	55 LB.
STD. SHAFT DIA.	1.500 IN.
DISCHARGE SIZE	6 - 8 IN.
DISCHARGE CONNECTION	THD - FLG
MAX. SPHERE SIZE	0.500 IN.
MAX. OPERATIONAL P.S.I.	595 (SPECIAL)

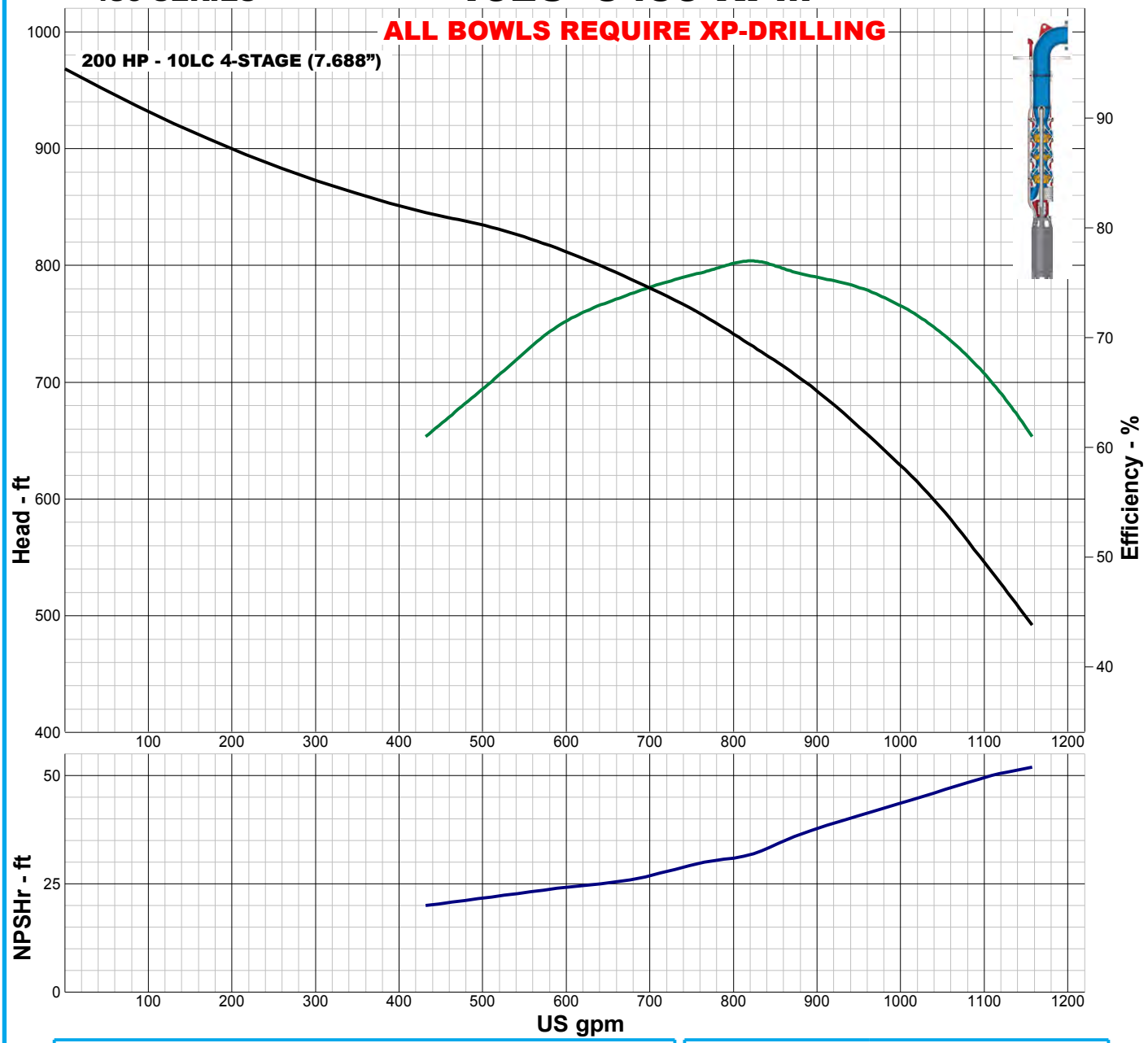
Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

10LC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	3012
TYPE	ENCLOSED
THRUST FACTOR	K=6.60
EYE AREA	10.2 SQ. IN.
WEIGHT	9.75 LB.

Minimum submergence above eye of bottom impeller: 36 IN.

FLANGED BOWL DATA

BOWL NUMBER	3098
BOWL MAX. DIAMETER	9.500 IN.
BOWL MIN. DIAMETER	9.250 IN.
MAX. NO. STAGES	13
ONE STAGE WEIGHT	230 LB.
ADD STAGE WEIGHT	55 LB.
STD. SHAFT DIA.	1.500 IN.
DISCHARGE SIZE	6 - 8 IN.
DISCHARGE CONNECTION	THD - FLG
MAX. SPHERE SIZE	0.500 IN.
MAX. OPERATIONAL P.S.I.	595 (SPECIAL)

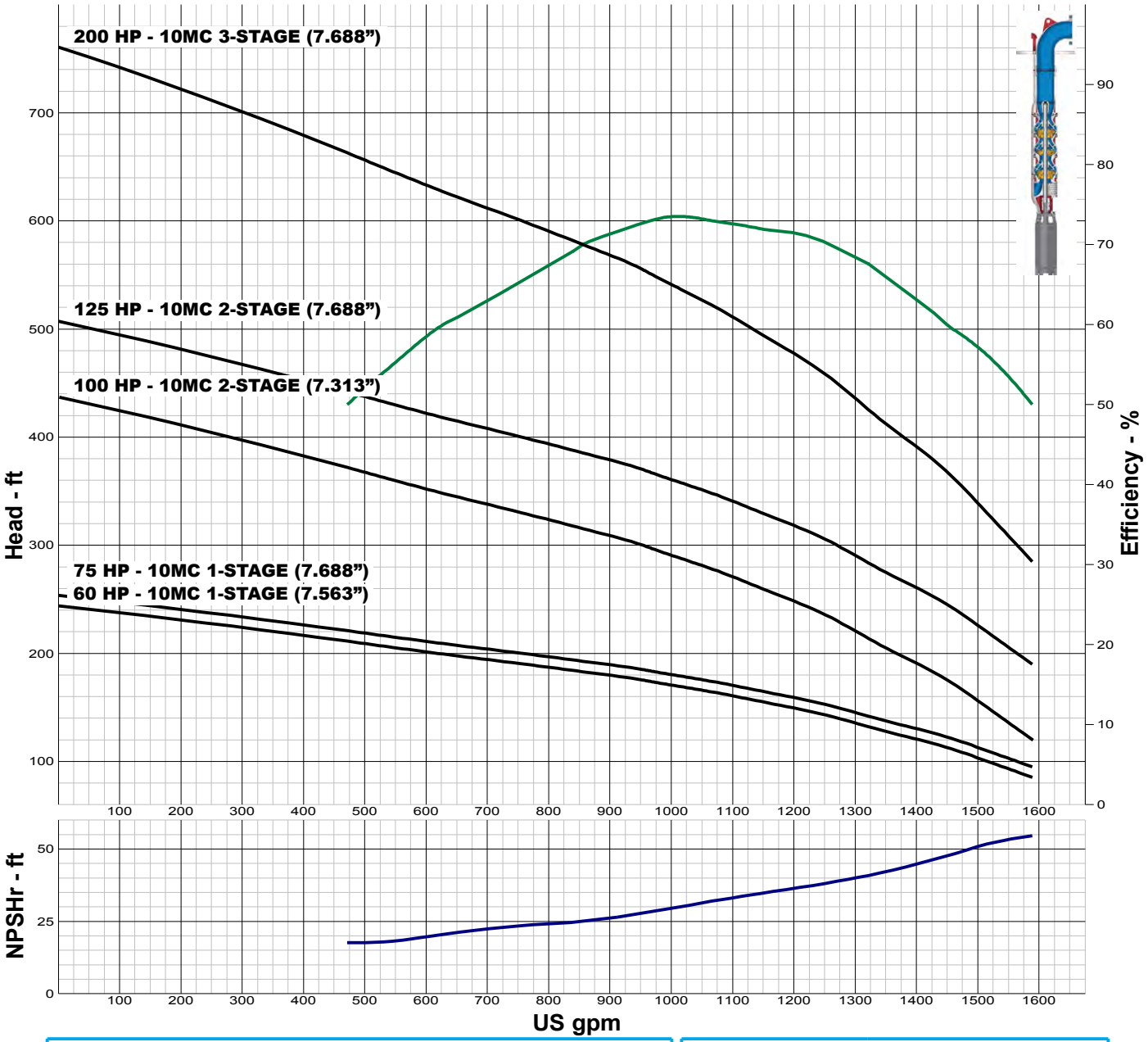
Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

AMERICAN-MARSH PUMPS

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES 10MC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	3097
TYPE	ENCLOSED
THRUST FACTOR	K=6.60
EYE AREA	11.7 SQ. IN.
WEIGHT	8.50 LB.

Minimum submergence above eye of bottom impeller: 36 IN.

FLANGED BOWL DATA

BOWL NUMBER	3098
BOWL MAX. DIAMETER	9.500 IN.
BOWL MIN. DIAMETER	9.250 IN.
MAX. NO. STAGES	8
ONE STAGE WEIGHT	230 LB.
ADD STAGE WEIGHT	55 LB.
STD. SHAFT DIA.	1.500 IN.
DISCHARGE SIZE	6 - 8 IN.
DISCHARGE CONNECTION	THD - FLG
MAX. SPHERE SIZE	0.625 IN.
MAX. OPERATIONAL P.S.I.	595 (SPECIAL)

Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

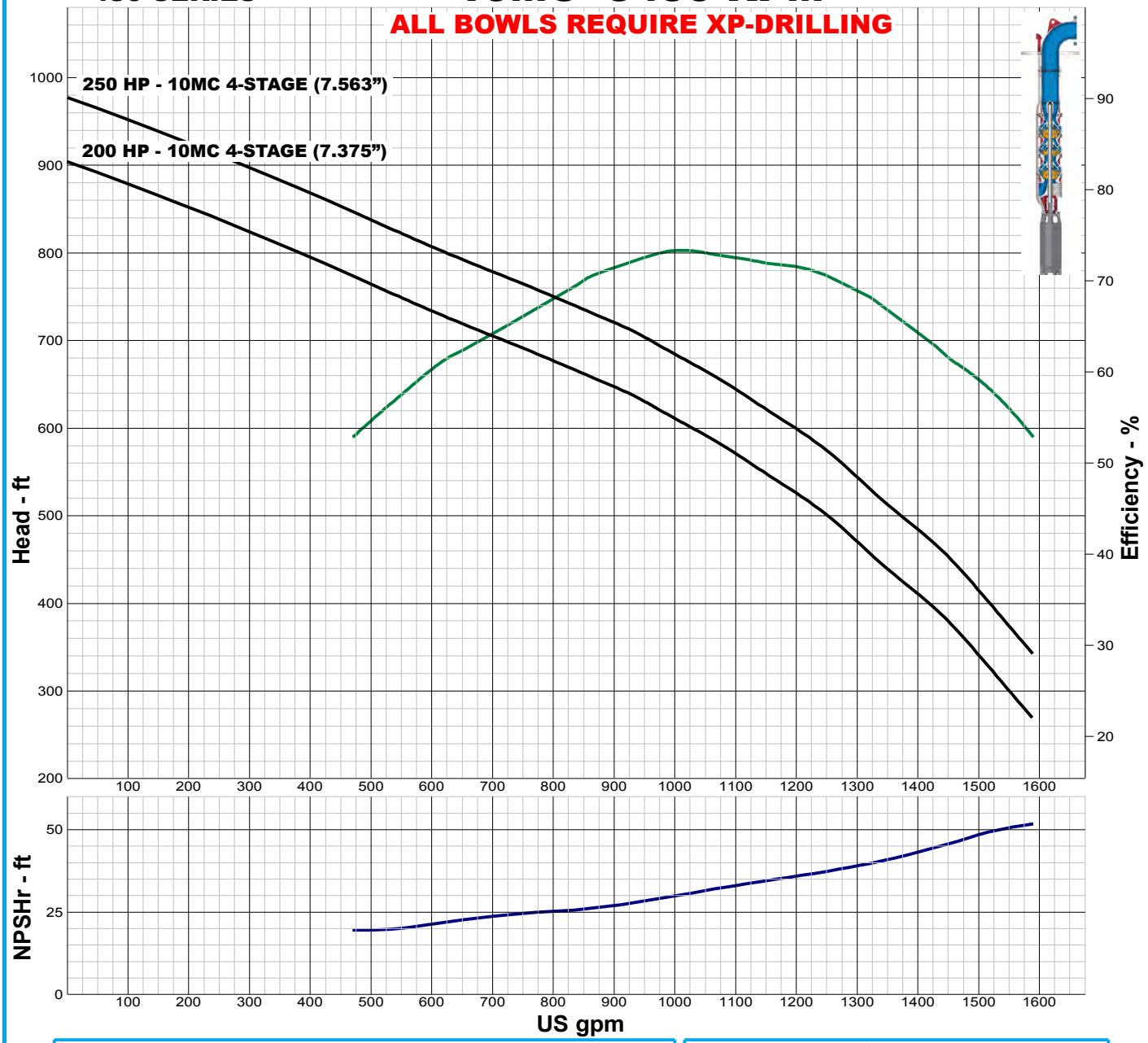
TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

10MC 3450 RPM

ALL BOWLS REQUIRE XP-DRILLING



IMPELLER DATA

IMPELLER NUMBER	3097
TYPE	ENCLOSED
THRUST FACTOR	K=6.60
EYE AREA	11.7 SQ. IN.
WEIGHT	8.50 LB.

Minimum submergence above eye of bottom impeller: 36 IN.

FLANGED BOWL DATA

BOWL NUMBER	3098
BOWL MAX. DIAMETER	9.500 IN.
BOWL MIN. DIAMETER	9.250 IN.
MAX. NO. STAGES	8
ONE STAGE WEIGHT	230 LB.
ADD STAGE WEIGHT	55 LB.
STD. SHAFT DIA.	1.500 IN.
DISCHARGE SIZE	6 - 8 IN.
DISCHARGE CONNECTION	THD - FLG
MAX. SPHERE SIZE	0.625 IN.
MAX. OPERATIONAL P.S.I.	595 (SPECIAL)

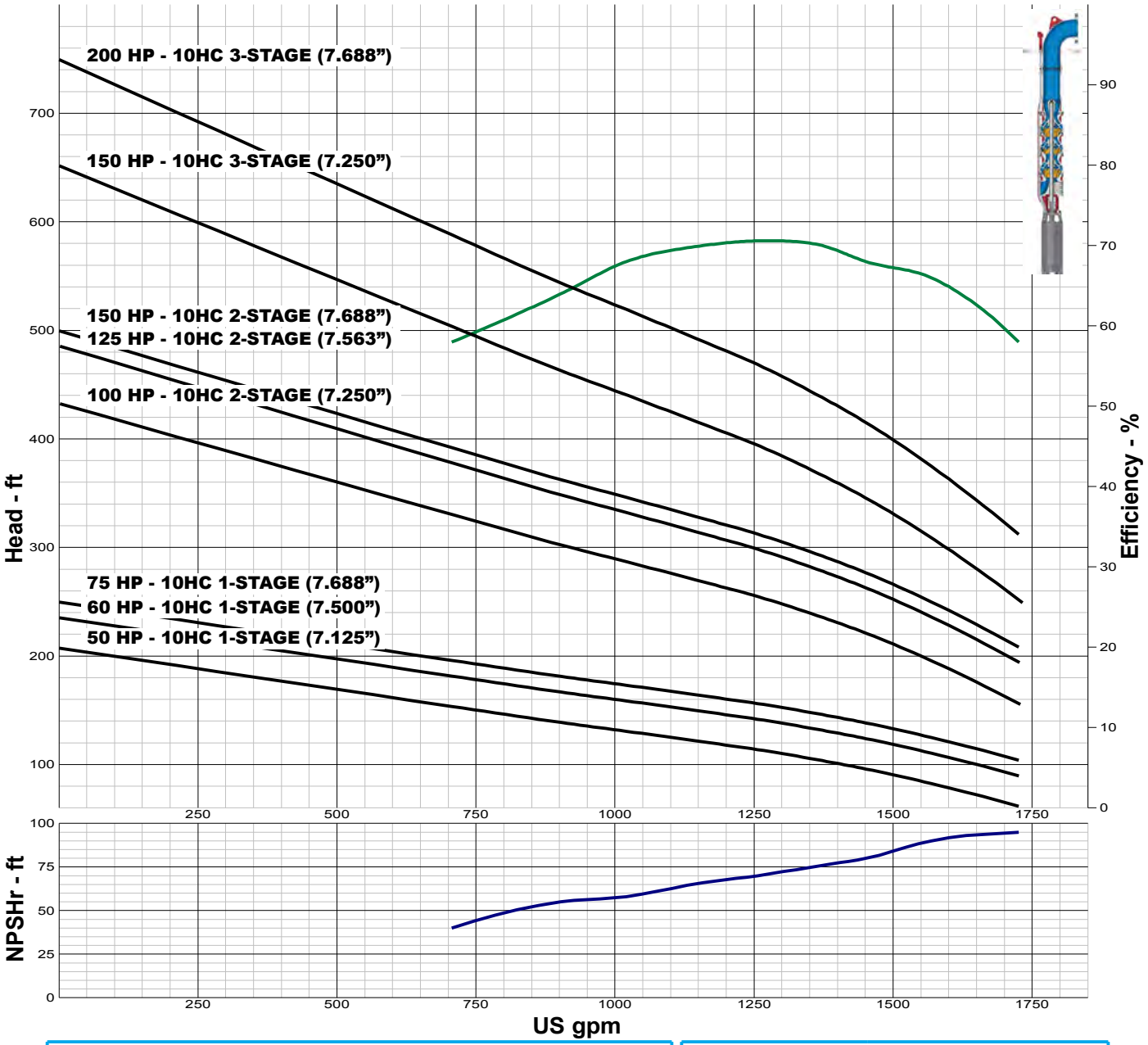
Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

10HC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	2967
TYPE	ENCLOSED
THRUST FACTOR	K=8.10
EYE AREA	14.9 SQ. IN.
WEIGHT	8.50 LB.

Minimum submergence above eye of bottom impeller: 39 IN.

FLANGED BOWL DATA

BOWL NUMBER	2968
BOWL MAX. DIAMETER	9.500 IN.
BOWL MIN. DIAMETER	9.250 IN.
MAX. NO. STAGES	7
ONE STAGE WEIGHT	230 LB.
ADD STAGE WEIGHT	55 LB.
STD. SHAFT DIA.	1.500 IN.
DISCHARGE SIZE	6 - 8 IN.
DISCHARGE CONNECTION	THD - FLG
MAX. SPHERE SIZE	0.500 IN.
MAX. OPERATIONAL P.S.I.	595 (SPECIAL)

Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

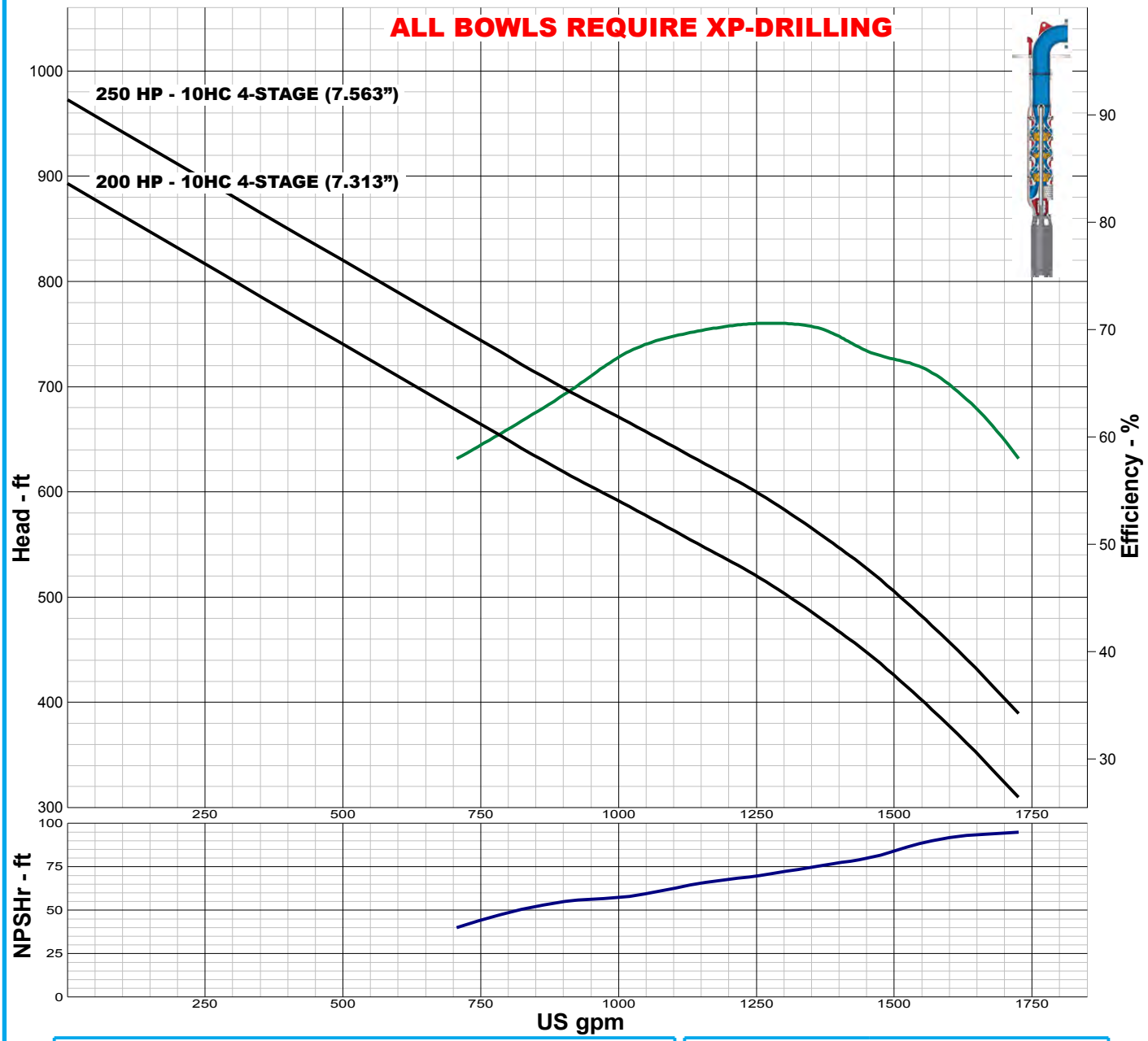
TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

10HC 3450 RPM

ALL BOWLS REQUIRE XP-DRILLING



IMPELLER DATA

IMPELLER NUMBER	2967
TYPE	ENCLOSED
THRUST FACTOR	K=8.10
EYE AREA	14.9 SQ. IN.
WEIGHT	8.50 LB.

Minimum submergence above eye of bottom impeller: 39 IN.

FLANGED BOWL DATA

BOWL NUMBER	2968
BOWL MAX. DIAMETER	9.500 IN.
BOWL MIN. DIAMETER	9.250 IN.
MAX. NO. STAGES	7
ONE STAGE WEIGHT	230 LB.
ADD STAGE WEIGHT	55 LB.
STD. SHAFT DIA.	1.500 IN.
DISCHARGE SIZE	6 - 8 IN.
DISCHARGE CONNECTION	THD - FLG
MAX. SPHERE SIZE	0.500 IN.
MAX. OPERATIONAL P.S.I.	595 (SPECIAL)

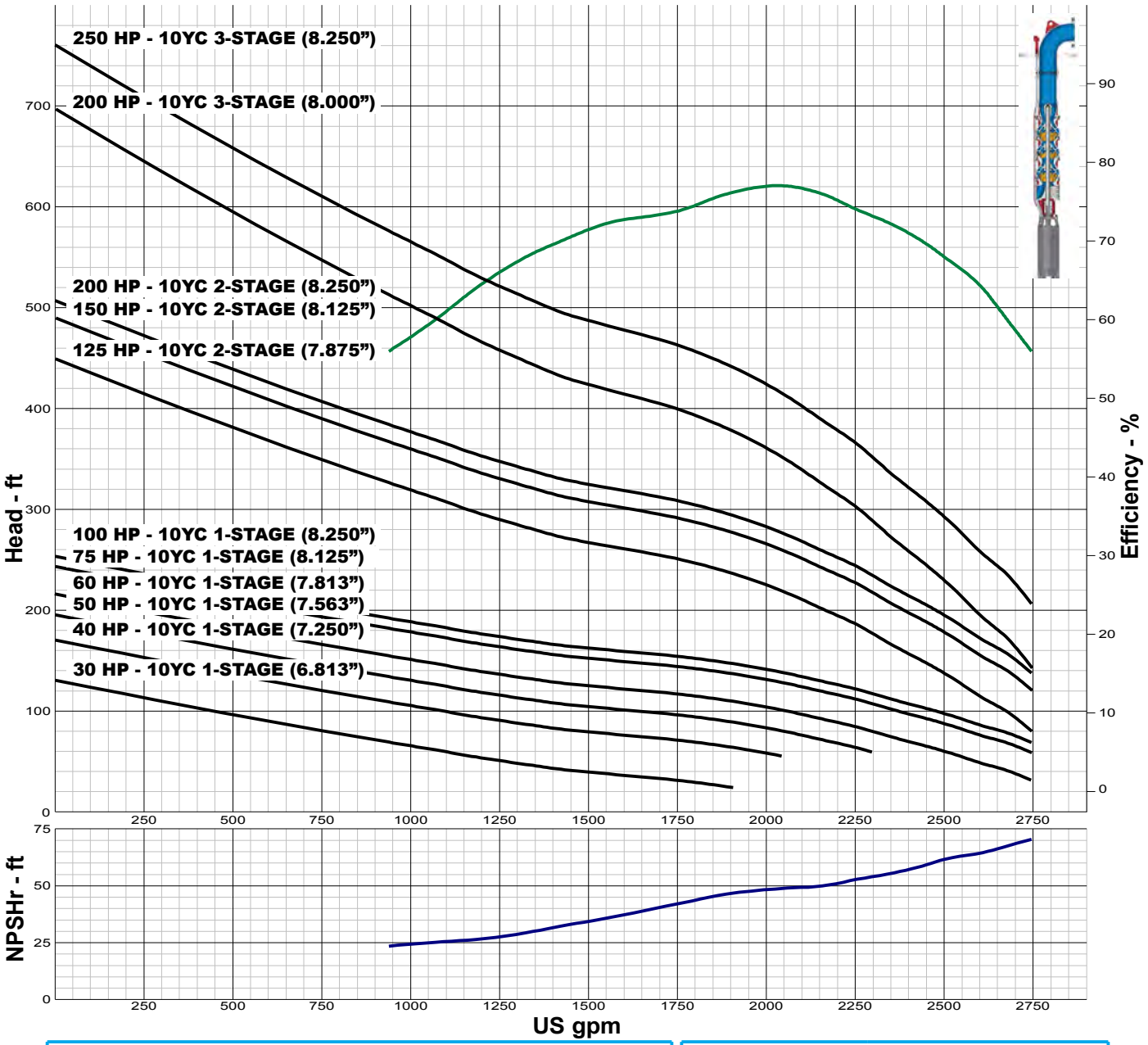
Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

AMERICAN-MARSH PUMPS

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES 10YC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	3540
TYPE	ENCLOSED
THRUST FACTOR	K=10.30
EYE AREA	19.4 SQ. IN.
WEIGHT	11.00 LB.

Minimum submergence above eye of bottom impeller: 40 IN.

FLANGED BOWL DATA

BOWL NUMBER	3541
BOWL MAX. DIAMETER	9.875 IN.
BOWL MIN. DIAMETER	9.500 IN.
MAX. NO. STAGES	8
ONE STAGE WEIGHT	250 LB.
ADD STAGE WEIGHT	60 LB.
STD. SHAFT DIA.	1.688 IN.
DISCHARGE SIZE	6 - 8 IN.
DISCHARGE CONNECTION	THD - FLG
MAX. SPHERE SIZE	0.875 IN.
MAX. OPERATIONAL P.S.I.	455 (SPECIAL)

Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

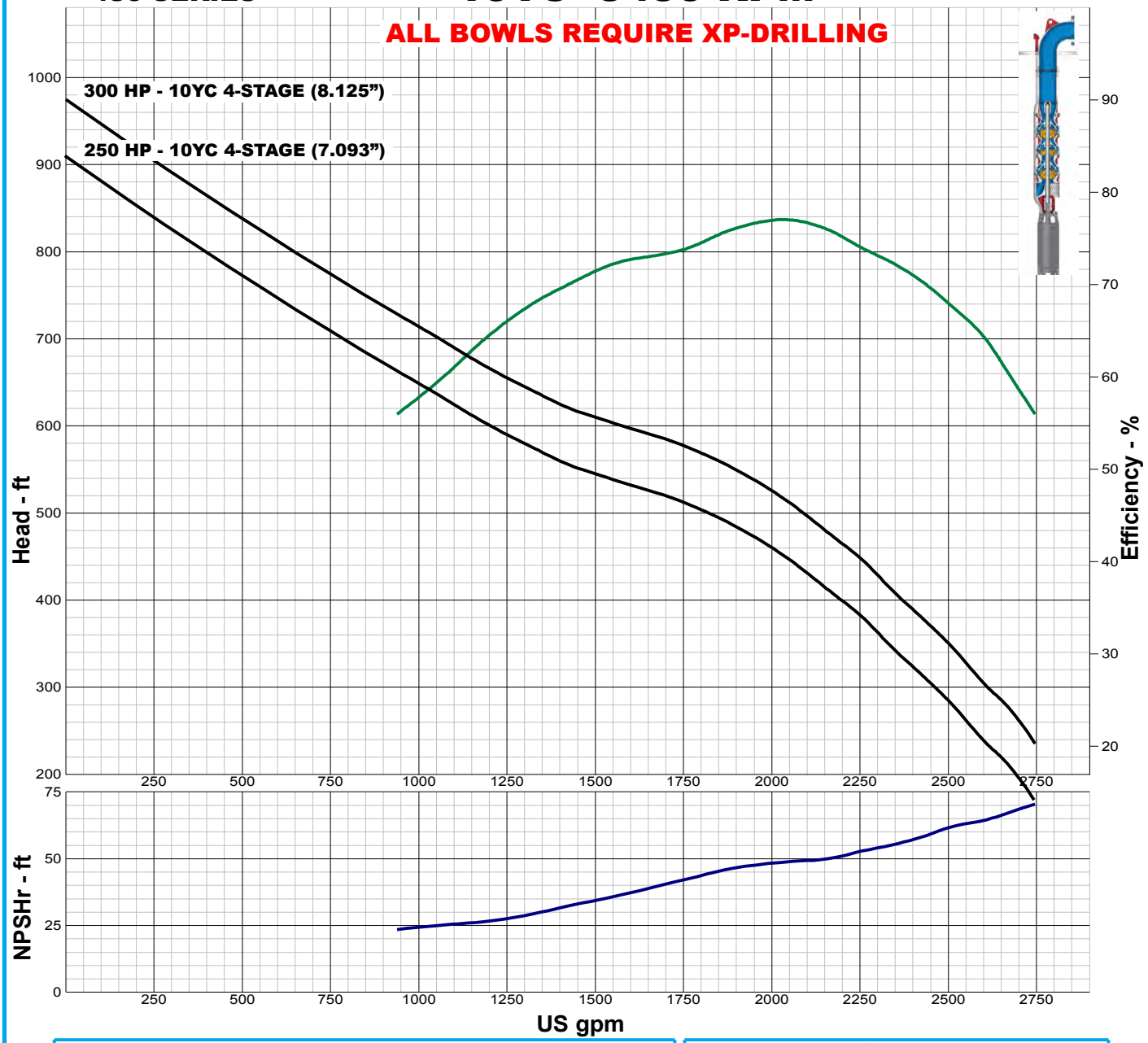
TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

10YC 3450 RPM

ALL BOWLS REQUIRE XP-DRILLING



IMPELLER DATA

IMPELLER NUMBER	3540
TYPE	ENCLOSED
THRUST FACTOR	K=10.30
EYE AREA	19.4 SQ. IN.
WEIGHT	11.00 LB.

Minimum submergence above eye of bottom impeller: 40 IN.

FLANGED BOWL DATA

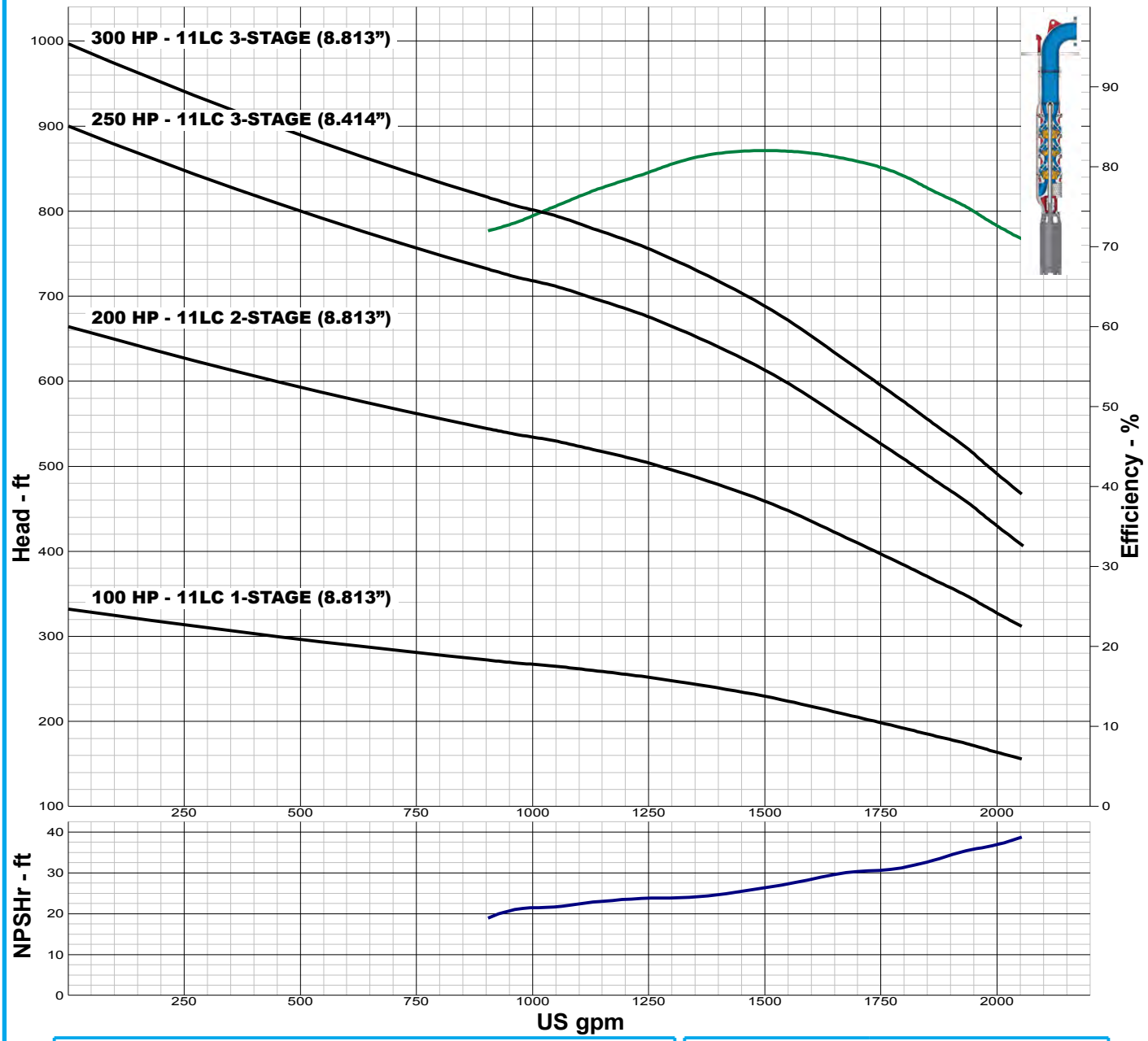
BOWL NUMBER	3541
BOWL MAX. DIAMETER	9.875 IN.
BOWL MIN. DIAMETER	9.500 IN.
MAX. NO. STAGES	8
ONE STAGE WEIGHT	250 LB.
ADD STAGE WEIGHT	60 LB.
STD. SHAFT DIA.	1.688 IN.
DISCHARGE SIZE	6 - 8 IN.
DISCHARGE CONNECTION	THD - FLG
MAX. SPHERE SIZE	0.875 IN.
MAX. OPERATIONAL P.S.I.	455 (SPECIAL)

Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES 11LC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	0183
TYPE	ENCLOSED
THRUST FACTOR	K=7.90
EYE AREA	17.7 SQ. IN.
WEIGHT	13.30 LB.

Minimum submergence above eye of bottom impeller: 30 IN.

FLANGED BOWL DATA

BOWL NUMBER	0201
BOWL MAX. DIAMETER	11.188 IN.
BOWL MIN. DIAMETER	11.000 IN.
MAX. NO. STAGES	25
ONE STAGE WEIGHT	235 LB.
ADD STAGE WEIGHT	105 LB.
STD. SHAFT DIA.	1.688 IN.
DISCHARGE SIZE	8 IN.
DISCHARGE CONNECTION	THD - FLG
MAX. SPHERE SIZE	0.750 IN.
MAX. OPERATIONAL P.S.I.	380 (SPECIAL)

Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

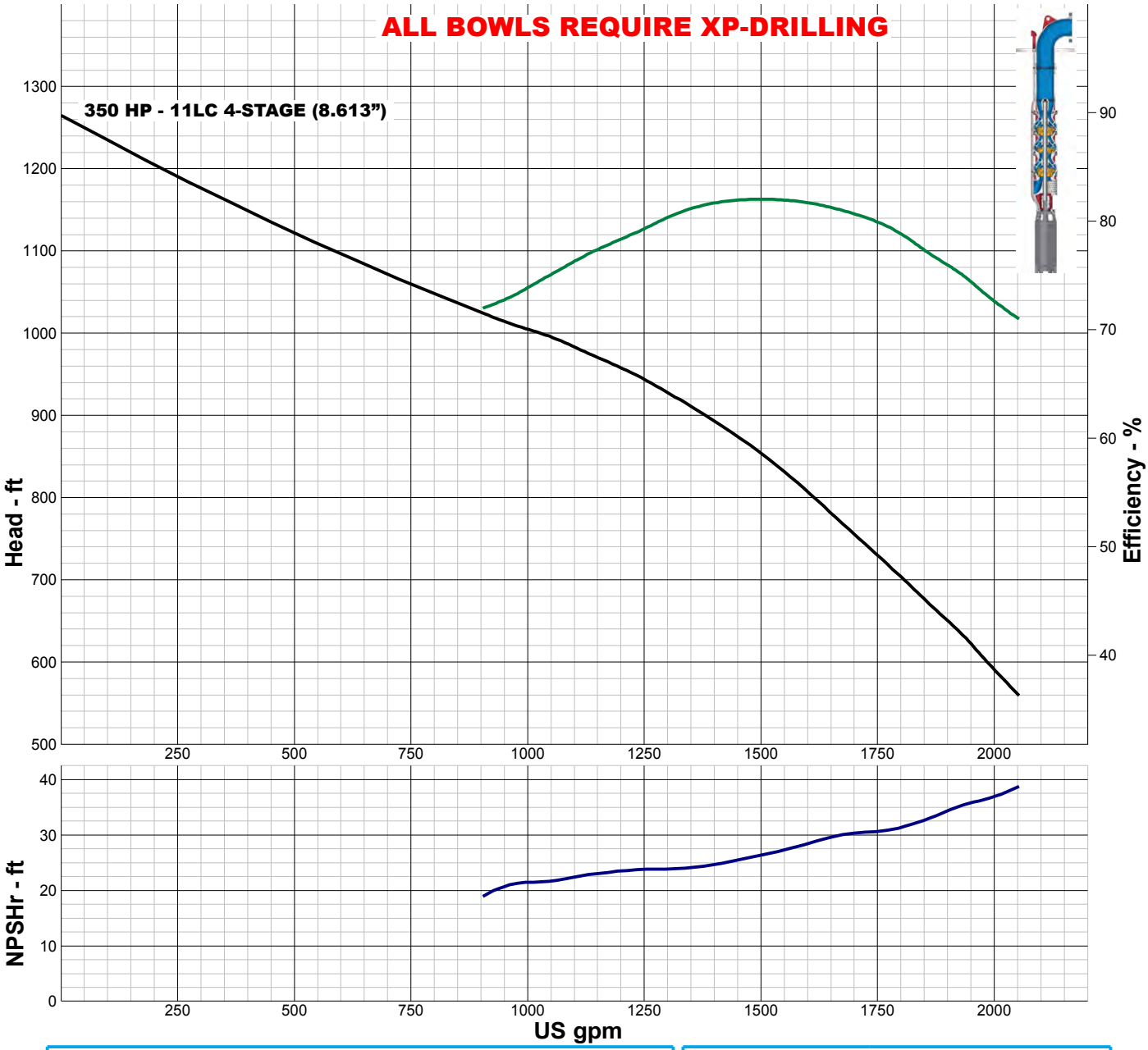
TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

11LC 3450 RPM

ALL BOWLS REQUIRE XP-DRILLING



IMPELLER DATA

IMPELLER NUMBER	0183	Minimum submergence above eye of bottom impeller: 30 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=7.90	
EYE AREA	17.7 SQ. IN.	
WEIGHT	13.30 LB.	

FLANGED BOWL DATA

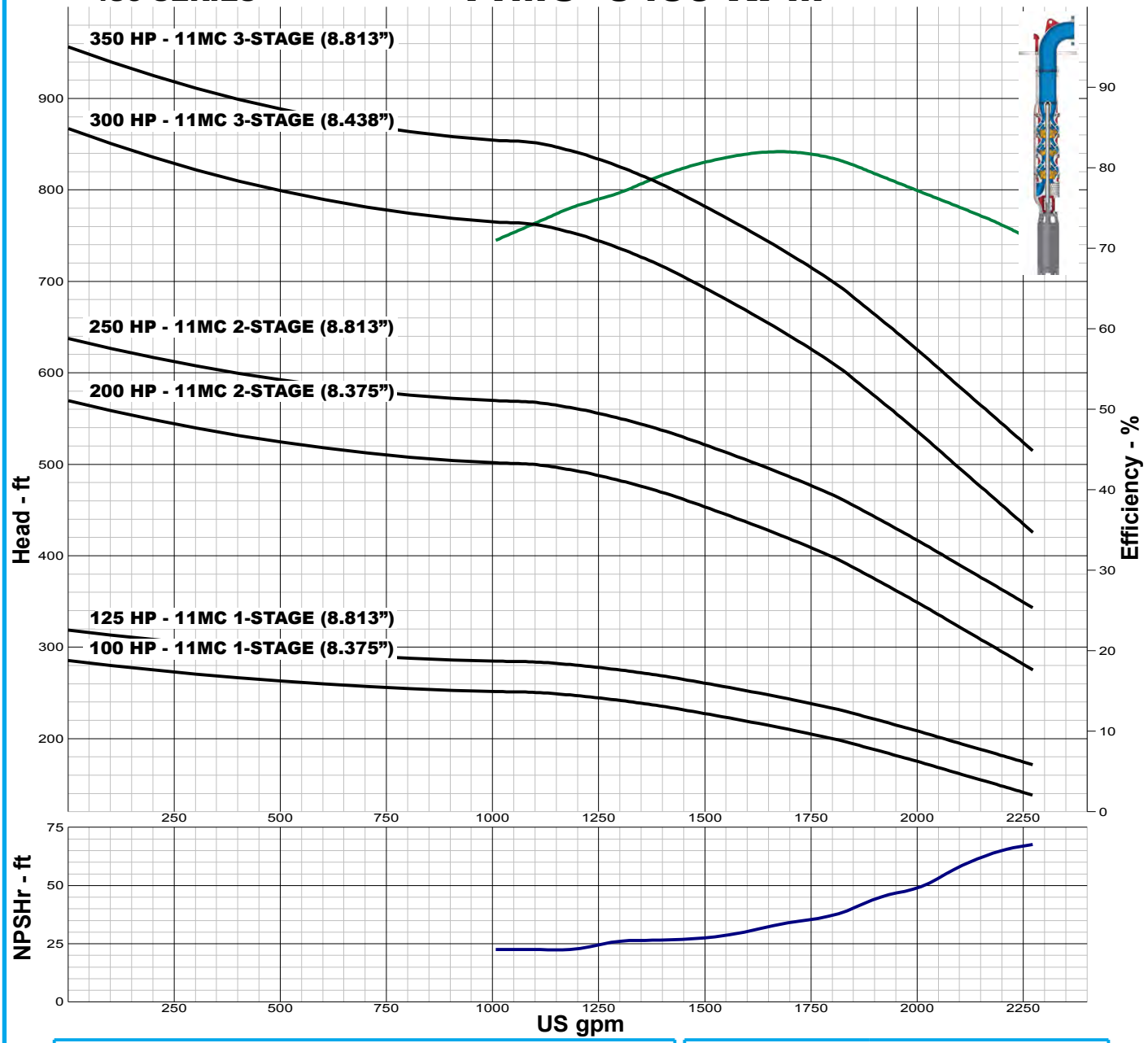
BOWL NUMBER	0201
BOWL MAX. DIAMETER	11.188 IN.
BOWL MIN. DIAMETER	11.000 IN.
MAX. NO. STAGES	25
ONE STAGE WEIGHT	235 LB.
ADD STAGE WEIGHT	105 LB.
STD. SHAFT DIA.	1.688 IN.
DISCHARGE SIZE	8 IN.
DISCHARGE CONNECTION	THD - FLG
MAX. SPHERE SIZE	0.750 IN.
MAX. OPERATIONAL P.S.I.	380 (SPECIAL)

Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES 11MC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	0184
TYPE	ENCLOSED
THRUST FACTOR	K=7.80
EYE AREA	17.7 SQ. IN.
WEIGHT	13.30 LB.

Minimum submergence above eye of bottom impeller: 30 IN.

FLANGED BOWL DATA

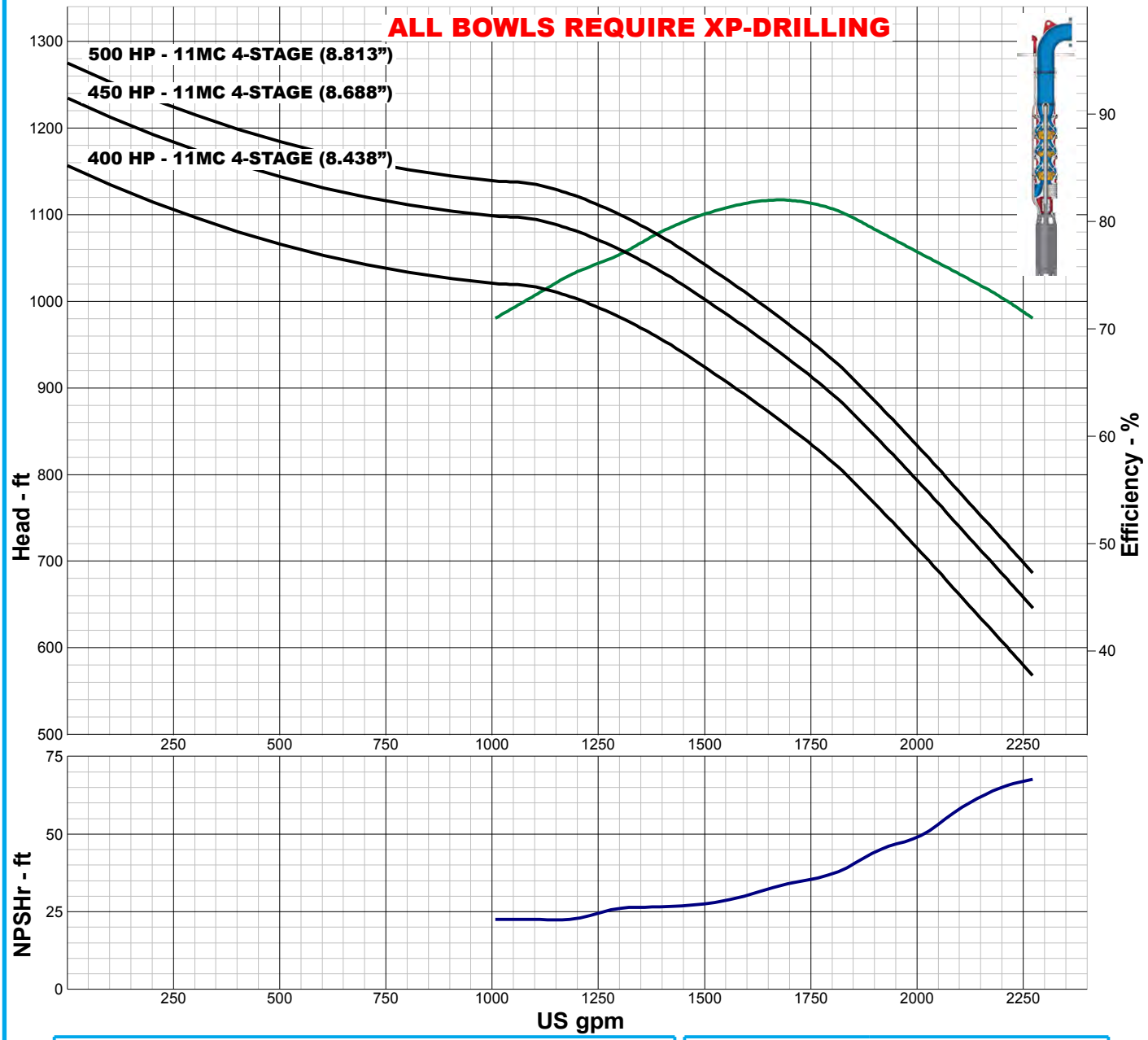
BOWL NUMBER	0201
BOWL MAX. DIAMETER	11.188 IN.
BOWL MIN. DIAMETER	11.000 IN.
MAX. NO. STAGES	22
ONE STAGE WEIGHT	235 LB.
ADD STAGE WEIGHT	105 LB.
STD. SHAFT DIA.	1.688 IN.
DISCHARGE SIZE	8 IN.
DISCHARGE CONNECTION	THD - FLG
MAX. SPHERE SIZE	0.750 IN.
MAX. OPERATIONAL P.S.I.	380 (SPECIAL)

Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES 11MC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	0184	Minimum submergence above eye of bottom impeller: 30 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=7.80	
EYE AREA	17.7 SQ. IN.	
WEIGHT	13.30 LB.	

FLANGED BOWL DATA

BOWL NUMBER	0201
BOWL MAX. DIAMETER	11.188 IN.
BOWL MIN. DIAMETER	11.000 IN.
MAX. NO. STAGES	22
ONE STAGE WEIGHT	235 LB.
ADD STAGE WEIGHT	105 LB.
STD. SHAFT DIA.	1.688 IN.
DISCHARGE SIZE	8 IN.
DISCHARGE CONNECTION	THD - FLG
MAX. SPHERE SIZE	0.750 IN.
MAX. OPERATIONAL P.S.I.	380 (SPECIAL)

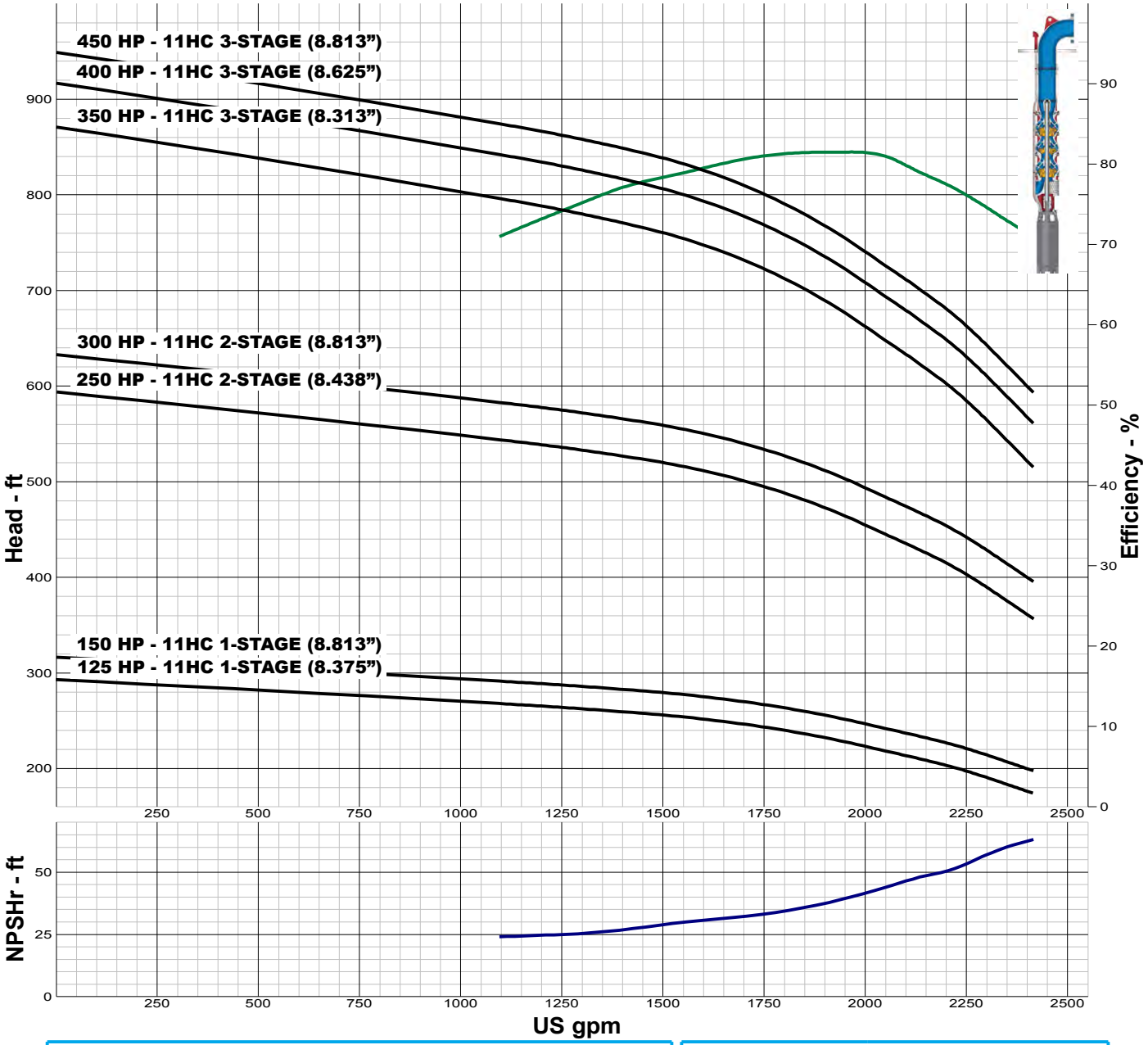
Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

11HC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	0185
TYPE	ENCLOSED
THRUST FACTOR	K=7.40
EYE AREA	17.7 SQ. IN.
WEIGHT	13.30 LB.

Minimum submergence above eye of bottom impeller: 30 IN.

FLANGED BOWL DATA

BOWL NUMBER	0201
BOWL MAX. DIAMETER	11.188 IN.
BOWL MIN. DIAMETER	11.000 IN.
MAX. NO. STAGES	18
ONE STAGE WEIGHT	235 LB.
ADD STAGE WEIGHT	105 LB.
STD. SHAFT DIA.	1.688 IN.
DISCHARGE SIZE	8 IN.
DISCHARGE CONNECTION	THD - FLG
MAX. SPHERE SIZE	0.750 IN.
MAX. OPERATIONAL P.S.I.	380 (SPECIAL)

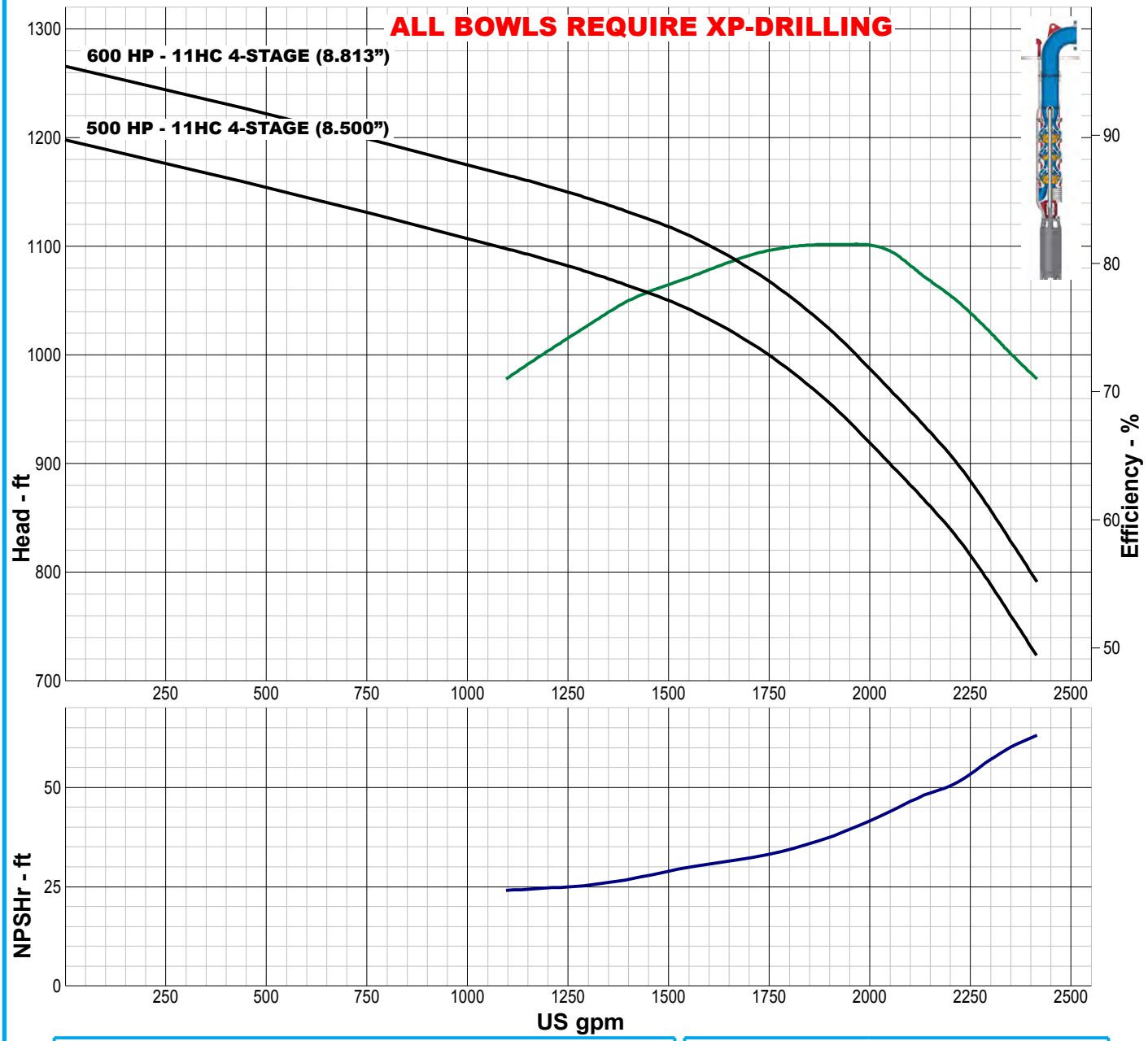
Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

TURBINE PUMP CURVE

SUBMERSIBLE PERFORMANCE JANUARY 2010

480 SERIES

11HC 3450 RPM



IMPELLER DATA

IMPELLER NUMBER	0185
TYPE	ENCLOSED
THRUST FACTOR	K=7.40
EYE AREA	17.7 SQ. IN.
WEIGHT	13.30 LB.

Minimum submergence above eye of bottom impeller: 30 IN.

FLANGED BOWL DATA

BOWL NUMBER	0201
BOWL MAX. DIAMETER	11.188 IN.
BOWL MIN. DIAMETER	11.000 IN.
MAX. NO. STAGES	18
ONE STAGE WEIGHT	235 LB.
ADD STAGE WEIGHT	105 LB.
STD. SHAFT DIA.	1.688 IN.
DISCHARGE SIZE	8 IN.
DISCHARGE CONNECTION	THD - FLG
MAX. SPHERE SIZE	0.750 IN.
MAX. OPERATIONAL P.S.I.	380 (SPECIAL)

Performance based on pumping clear, fresh water at a temperature not over 85° F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.