



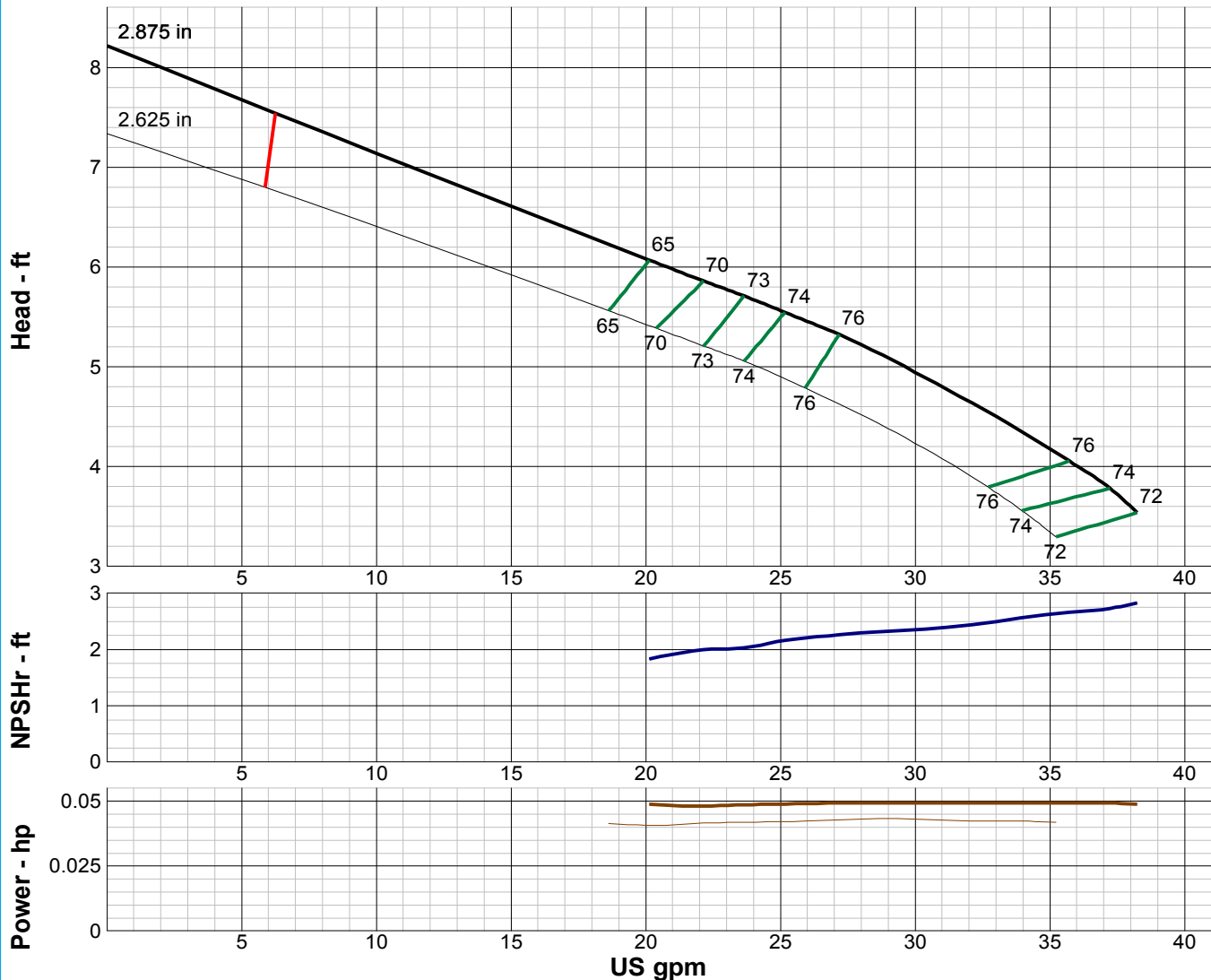
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

4MCR 1750 RPM



IMPELLER DATA

IMPELLER NUMBER	0424	Minimum submergence above eye of bottom impeller: 7 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=1.30	
EYE AREA	2.40 SQ. IN.	
WEIGHT	1.00 LB.	

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	5	8	10	20
CHANGE AS FOLLOWS:	-2	-1	0	+1
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.				

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-4
BOWL MATERIAL:	-1	-1	-1	-8

THREADED BOWL DATA

BOWL NUMBER	0423
BOWL MAX. DIAMETER	3.625 IN.
BOWL MIN. DIAMETER	3.625 IN.
MAX. NO. STAGES	20
ONE STAGE WEIGHT	35 LB.
ADD STAGE WEIGHT	10 LB.
STD. SHAFT DIA.	0.625 IN.
STD. LATERAL	0.188 IN.
DISCHARGE SIZE	2.5 IN.
DISCHARGE CONNECTION	THD
SUCTION SIZE	2.5 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.125 IN.
MAX. OPERATIONAL P.S.I.	1500 (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.



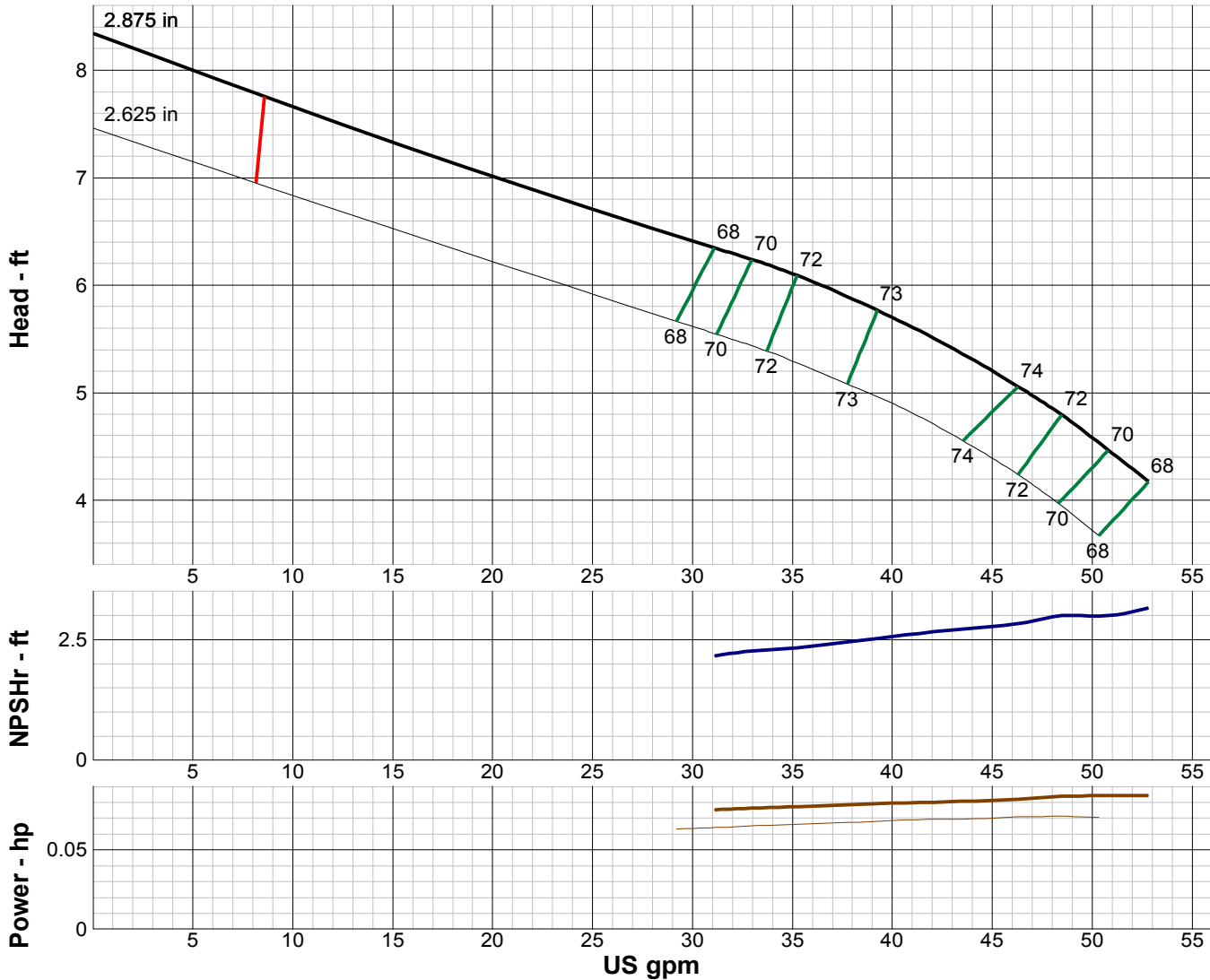
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

4HCR 1750 RPM



IMPELLER DATA

IMPELLER NUMBER	0425	Minimum submergence above eye of bottom impeller: 7 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=1.30	
EYE AREA	2.40 SQ. IN.	
WEIGHT	1.00 LB.	

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	5	8	10	20
CHANGE AS FOLLOWS:	-2	-1	0	+1

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-4
BOWL MATERIAL:	-1	-1	-1	-8

THREADED BOWL DATA

BOWL NUMBER	0423
BOWL MAX. DIAMETER	3.625 IN.
BOWL MIN. DIAMETER	3.625 IN.
MAX. NO. STAGES	20
ONE STAGE WEIGHT	35 LB.
ADD STAGE WEIGHT	10 LB.
STD. SHAFT DIA.	0.625 IN.
STD. LATERAL	0.188 IN.
DISCHARGE SIZE	2.5 IN.
DISCHARGE CONNECTION	THD
SUCTION SIZE	2.5 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.125 IN.
MAX. OPERATIONAL P.S.I.	1500 (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.



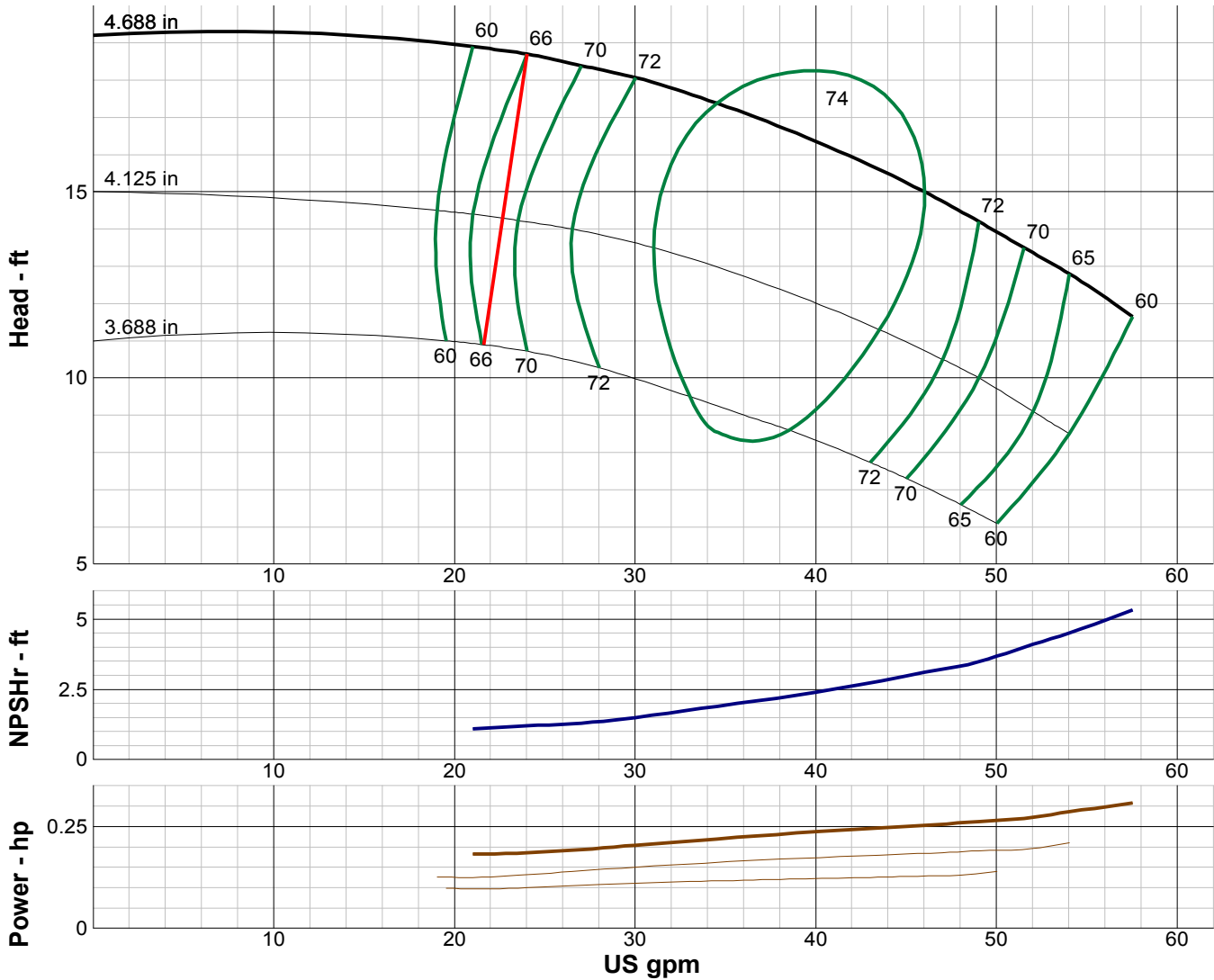
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

6JC 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	6404	Minimum submergence above eye of bottom impeller: 10 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=1.56	
EYE AREA	2.41 SQ. IN.	
WEIGHT	1.80 LB.	

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-5	-3	-1	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-3
BOWL MATERIAL:	-1	-1	-1	-6

FLANGED BOWL DATA	
BOWL NUMBER	6515
BOWL MAX. DIAMETER	5.875 IN.
BOWL MIN. DIAMETER	5.563 IN.
MAX. NO. STAGES	55
ONE STAGE WEIGHT	75 LB.
ADD STAGE WEIGHT	15 LB.
STD. SHAFT DIA.	0.750 IN.
STD. LATERAL	0.375 IN.
DISCHARGE SIZE	4 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	4 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.125 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.



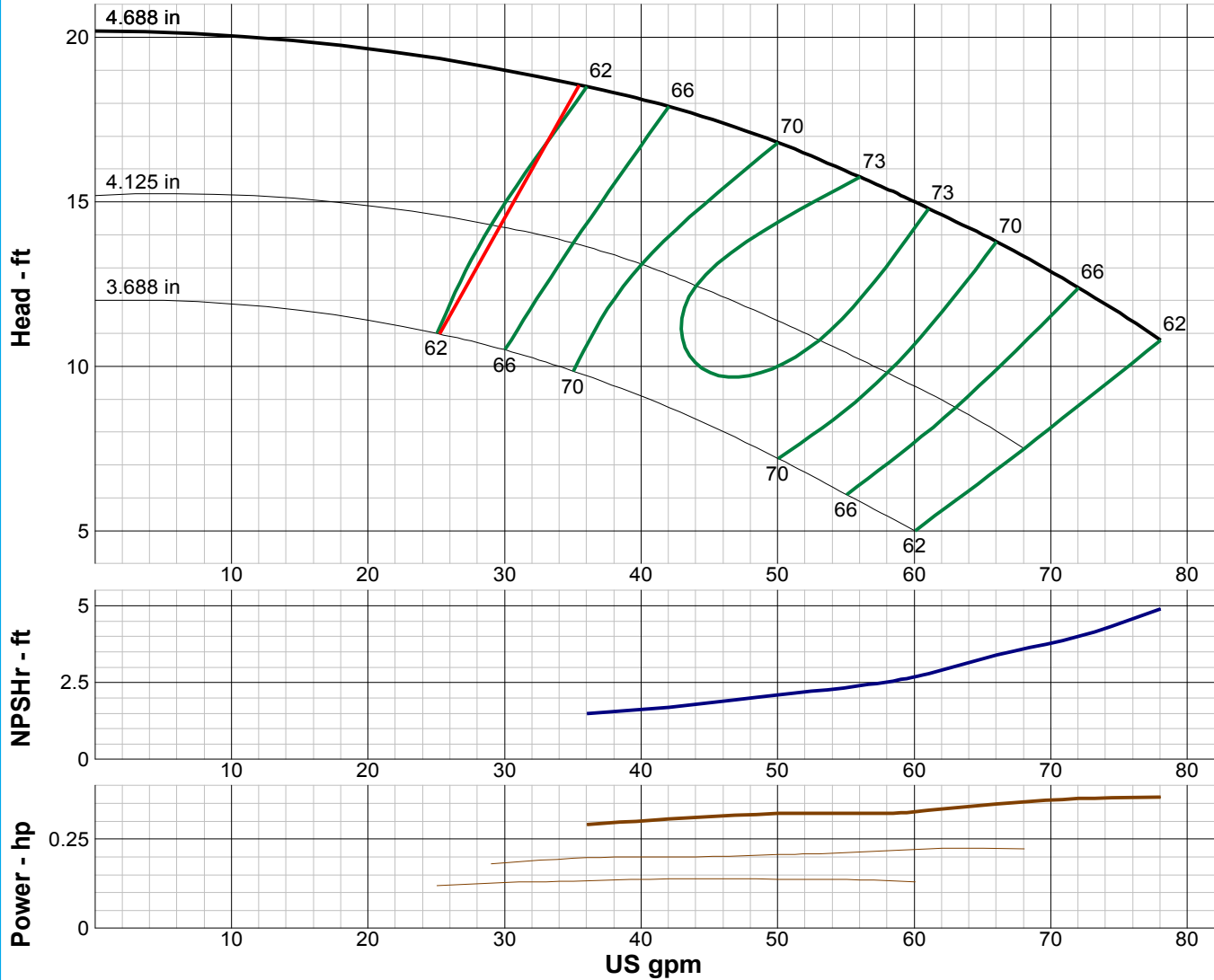
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

6LC 1750 RPM



IMPELLER DATA

IMPELLER NUMBER	6505	Minimum submergence above eye of bottom impeller: 12 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=1.56	
EYE AREA	2.41 SQ. IN.	
WEIGHT	2.25 LB.	

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4
CHANGE AS FOLLOWS:	-4	-2	-1	0
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.				

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-3
BOWL MATERIAL:	-1	-1	-1	-6

FLANGED BOWL DATA

BOWL NUMBER	6515
BOWL MAX. DIAMETER	5.875 IN.
BOWL MIN. DIAMETER	5.563 IN.
MAX. NO. STAGES	55
ONE STAGE WEIGHT	75 LB.
ADD STAGE WEIGHT	15 LB.
STD. SHAFT DIA.	0.750 IN.
STD. LATERAL	0.375 IN.
DISCHARGE SIZE	4 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	4 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.125 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.



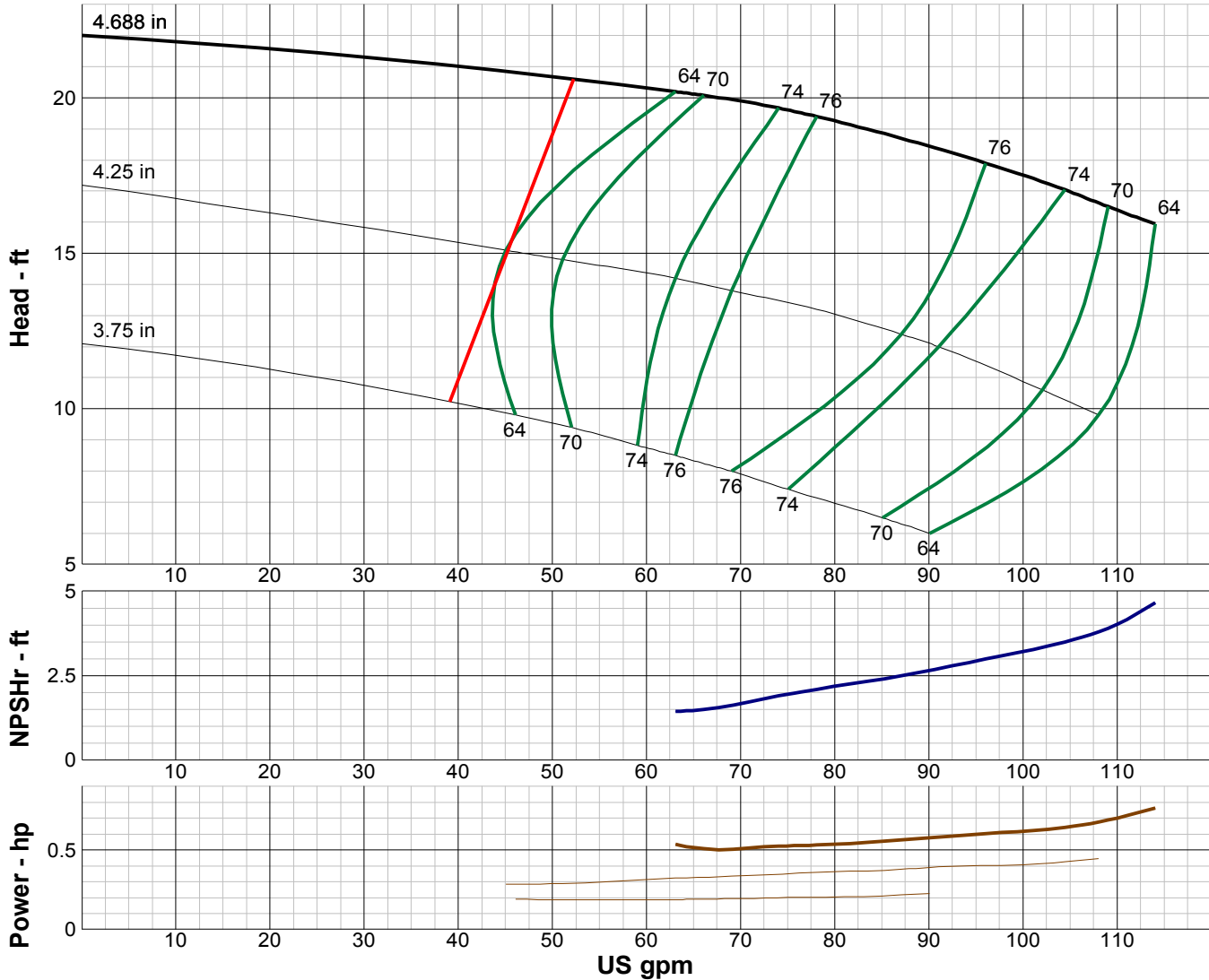
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

6MC 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	6707	Minimum submergence above eye of bottom impeller: 12 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=2.24	
EYE AREA	3.20 SQ. IN.	
WEIGHT	2.15 LB.	

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-4	-2	-1	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-3
BOWL MATERIAL:	-1	-1	-1	-6

FLANGED BOWL DATA	
BOWL NUMBER	6616
BOWL MAX. DIAMETER	5.813 IN.
BOWL MIN. DIAMETER	5.563 IN.
MAX. NO. STAGES	50
ONE STAGE WEIGHT	75 LB.
ADD STAGE WEIGHT	15 LB.
STD. SHAFT DIA.	1.000 IN.
STD. LATERAL	0.438 IN.
DISCHARGE SIZE	4 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	4 IN.
SUCTION 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.



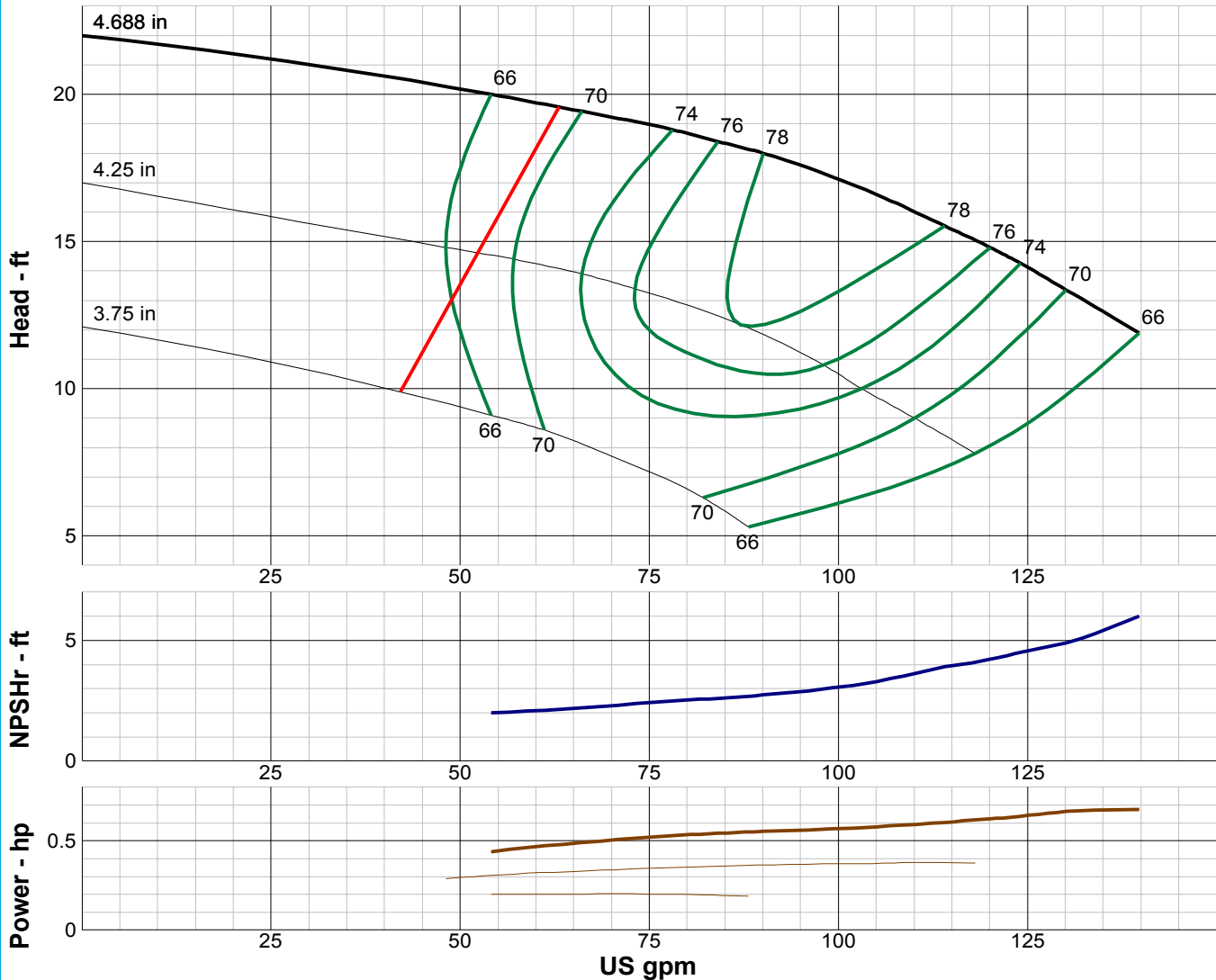
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

6HC 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	6606	Minimum submergence above eye of bottom impeller: 12 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=2.24	
EYE AREA	3.65 SQ. IN.	
WEIGHT	2.38 LB.	

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-4	-2	-1	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-3
BOWL MATERIAL:	-1	-1	-1	-6

FLANGED BOWL DATA	
BOWL NUMBER	6616
BOWL MAX. DIAMETER	5.813 IN.
BOWL MIN. DIAMETER	5.563 IN.
MAX. NO. STAGES	50
ONE STAGE WEIGHT	75 LB.
ADD STAGE WEIGHT	15 LB.
STD. SHAFT DIA.	1.000 IN.
STD. LATERAL	0.375 IN.
DISCHARGE SIZE	4 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	4 IN.
SUCTION 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.



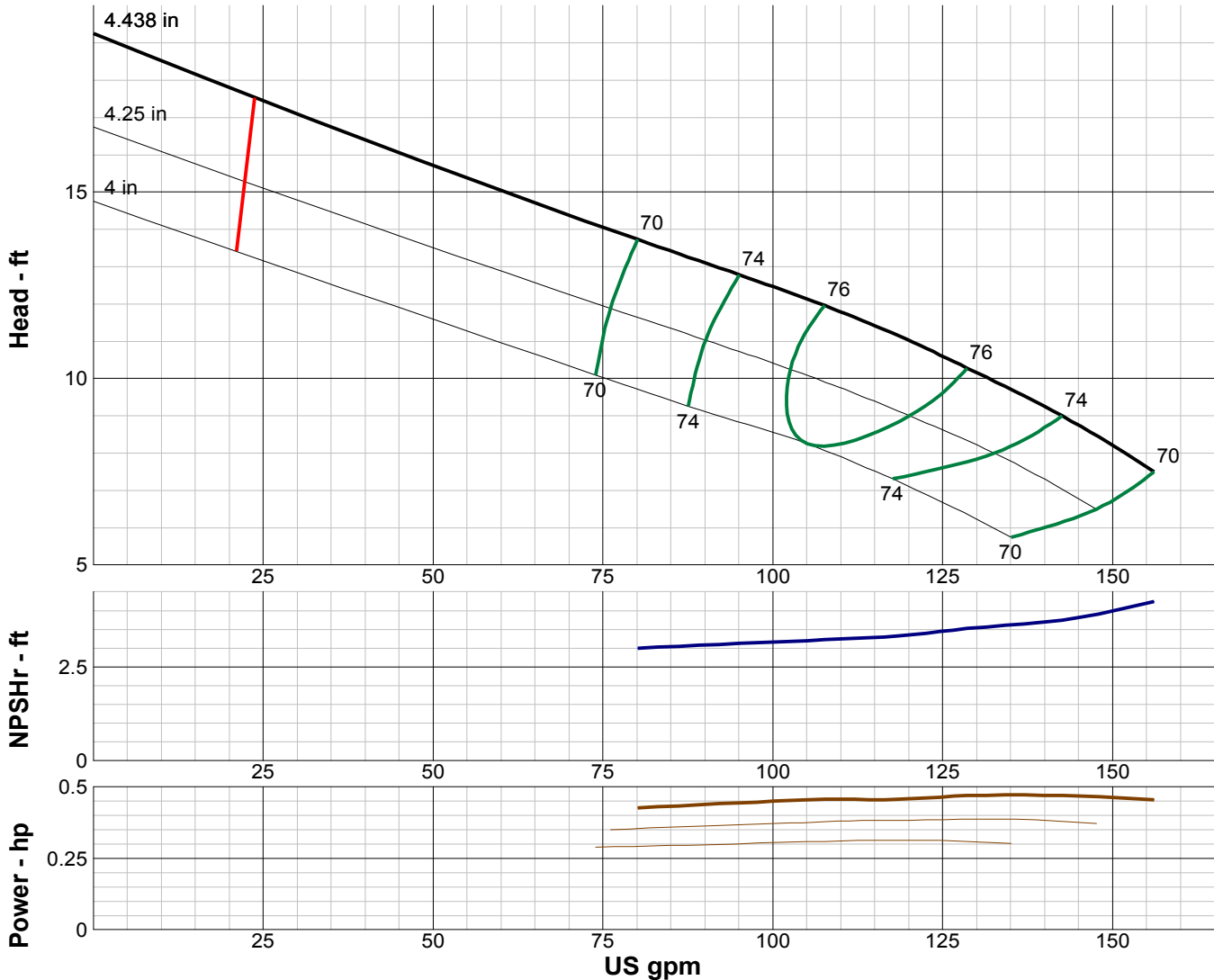
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

6LCR 1750 RPM



IMPELLER DATA

IMPELLER NUMBER	0325	Minimum submergence above eye of bottom impeller: 13 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=2.40	
EYE AREA	5.67 SQ. IN.	
WEIGHT	6.00 LB.	

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	7	12
CHANGE AS FOLLOWS:	-5	-2	+1	+1.5
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.				

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-3
BOWL MATERIAL:	-1	-1	-1	-6

THREADED BOWL DATA

BOWL NUMBER	0386
BOWL MAX. DIAMETER	5.500 IN.
BOWL MIN. DIAMETER	5.500 IN.
MAX. NO. STAGES	16
ONE STAGE WEIGHT	40 LB.
ADD STAGE WEIGHT	22 LB.
STD. SHAFT DIA.	1.000 IN.
STD. LATERAL	0.313 IN.
DISCHARGE SIZE	4 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	4 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.125 IN.
MAX. OPERATIONAL P.S.I.	1000 (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.



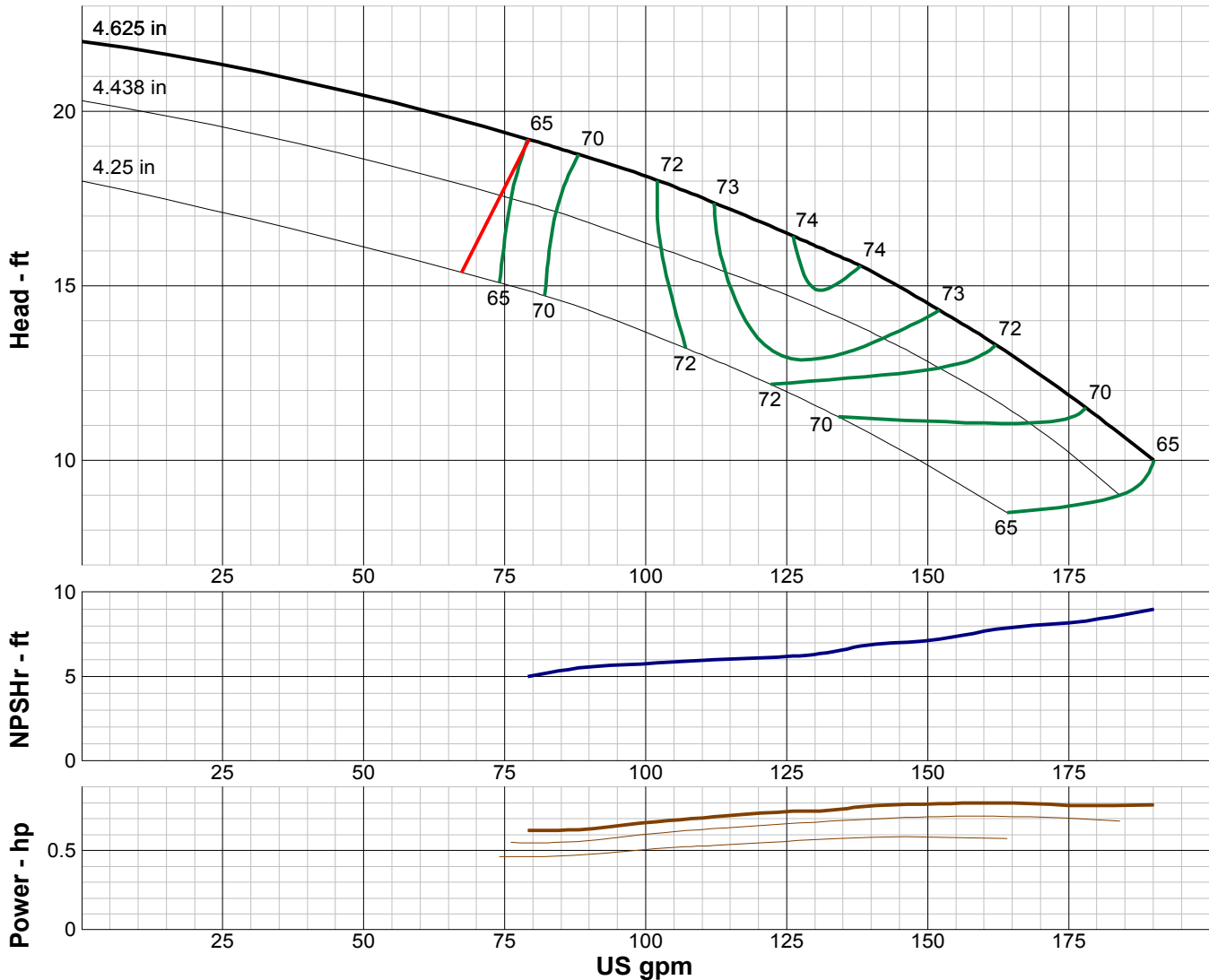
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

6XC 1750 RPM



IMPELLER DATA

IMPELLER NUMBER	6909	Minimum submergence above eye of bottom impeller: 20 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=2.83	
EYE AREA	4.01 SQ. IN.	
WEIGHT	2.15 LB.	

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4
CHANGE AS FOLLOWS:	-4	-2	-1	0
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.				

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-3
BOWL MATERIAL:	-1	-1	-1	-6

FLANGED BOWL DATA

BOWL NUMBER	6919
BOWL MAX. DIAMETER	5.813 IN.
BOWL MIN. DIAMETER	5.563 IN.
MAX. NO. STAGES	50
ONE STAGE WEIGHT	75 LB.
ADD STAGE WEIGHT	15 LB.
STD. SHAFT DIA.	1.000 IN.
STD. LATERAL	0.625 IN.
DISCHARGE SIZE	4 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	4 IN.
SUCTION 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.



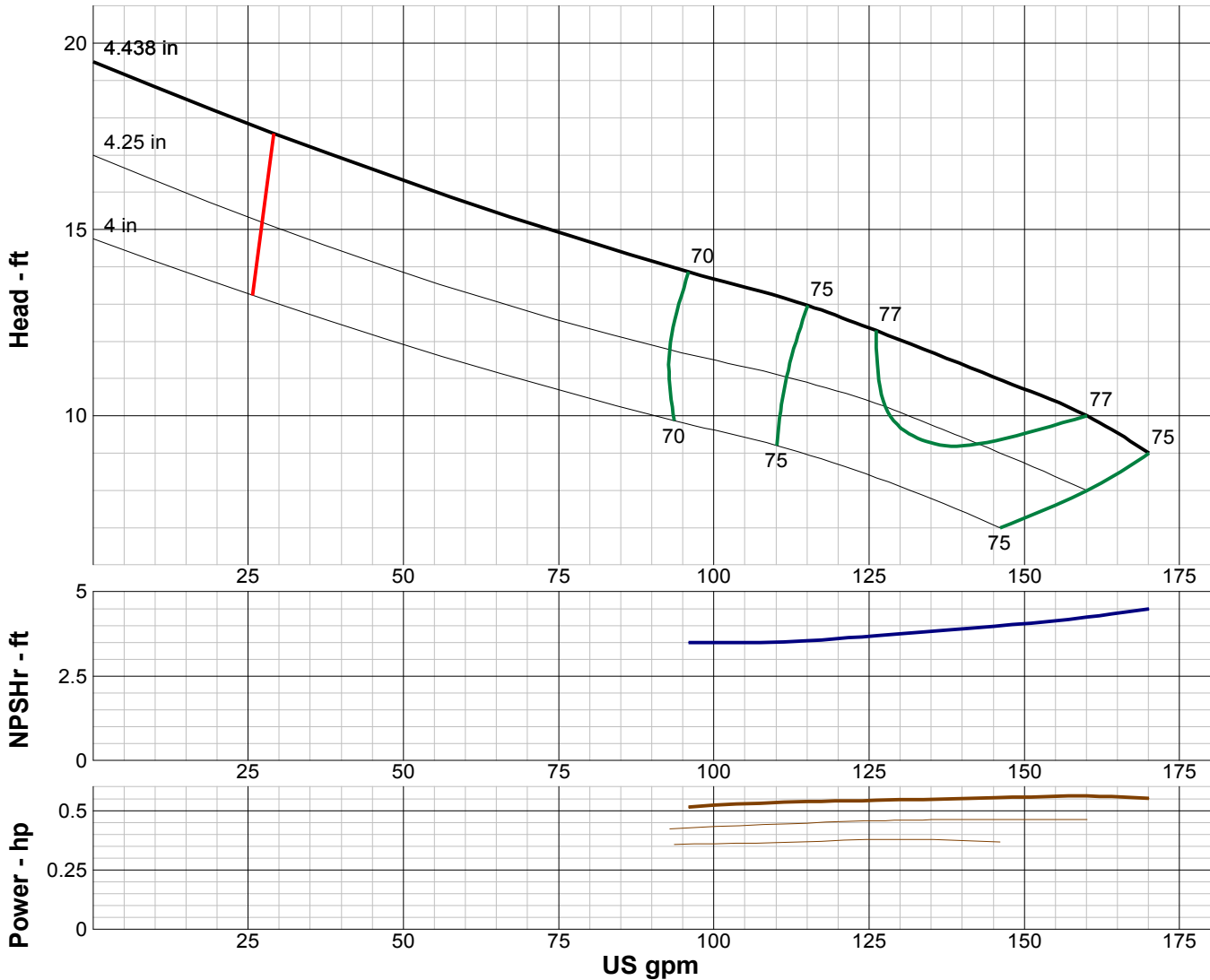
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

6MCR 1750 RPM



IMPELLER DATA

IMPELLER NUMBER	0326	Minimum submergence above eye of bottom impeller: 13 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=2.40	
EYE AREA	5.67 SQ. IN.	
WEIGHT	6.00 LB.	

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	7	12
CHANGE AS FOLLOWS:	-5	-2	+1	+1.5
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.				

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-3
BOWL MATERIAL:	-1	-1	-1	-6

THREADED BOWL DATA

BOWL NUMBER	0386
BOWL MAX. DIAMETER	5.500 IN.
BOWL MIN. DIAMETER	5.500 IN.
MAX. NO. STAGES	16
ONE STAGE WEIGHT	40 LB.
ADD STAGE WEIGHT	22 LB.
STD. SHAFT DIA.	1.000 IN.
STD. LATERAL	0.313 IN.
DISCHARGE SIZE	4 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	4 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.125 IN.
MAX. OPERATIONAL P.S.I.	1000 (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.



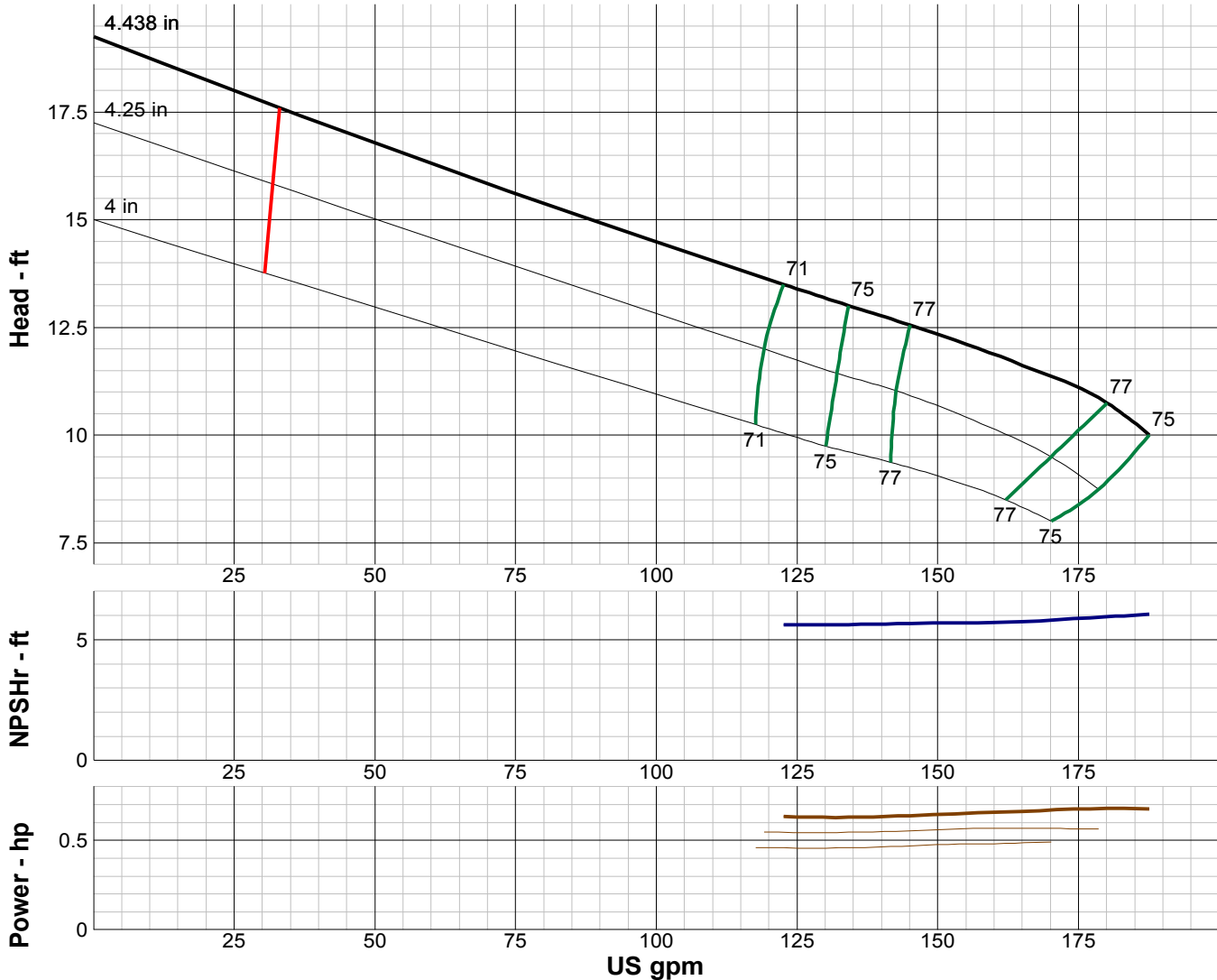
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

6HCR 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	0327	Minimum submergence above eye of bottom impeller: 13 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=2.40	
EYE AREA	5.67 SQ. IN.	
WEIGHT	6.00 LB.	

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-5	-2	+1	+1.5	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-3
BOWL MATERIAL:	-1	-1	-1	-6

THREADED BOWL DATA	
BOWL NUMBER	0386
BOWL MAX. DIAMETER	5.500 IN.
BOWL MIN. DIAMETER	5.500 IN.
MAX. NO. STAGES	15
ONE STAGE WEIGHT	40 LB.
ADD STAGE WEIGHT	22 LB.
STD. SHAFT DIA.	1.000 IN.
STD. LATERAL	0.313 IN.
DISCHARGE SIZE	4 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	4 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.125 IN.
MAX. OPERATIONAL P.S.I.	1000 (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.



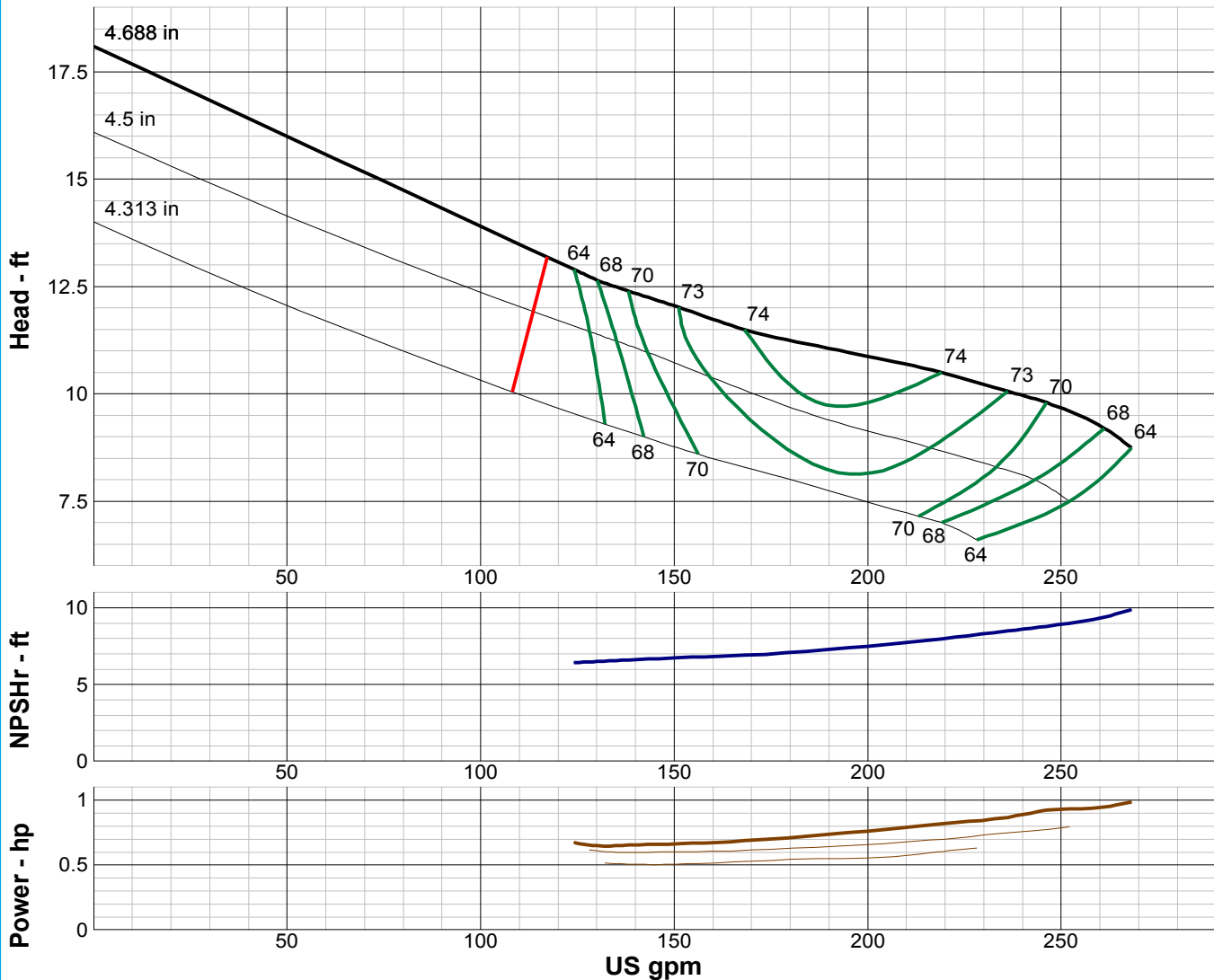
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

6WC 1750 RPM



IMPELLER DATA

IMPELLER NUMBER	6808	Minimum submergence above eye of bottom impeller: 20 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=4.13	
EYE AREA	6.88 SQ. IN.	
WEIGHT	2.65 LB.	

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4
CHANGE AS FOLLOWS:	-4	-2	-1	0
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.				

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-3
BOWL MATERIAL:	-1	-1	-1	-6

FLANGED BOWL DATA

BOWL NUMBER	6818
BOWL MAX. DIAMETER	5.875 IN.
BOWL MIN. DIAMETER	5.563 IN.
MAX. NO. STAGES	43
ONE STAGE WEIGHT	75 LB.
ADD STAGE WEIGHT	15 LB.
STD. SHAFT DIA.	1.000 IN.
STD. LATERAL	0.438 IN.
DISCHARGE SIZE	4 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	4 IN.
SUCTION 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.



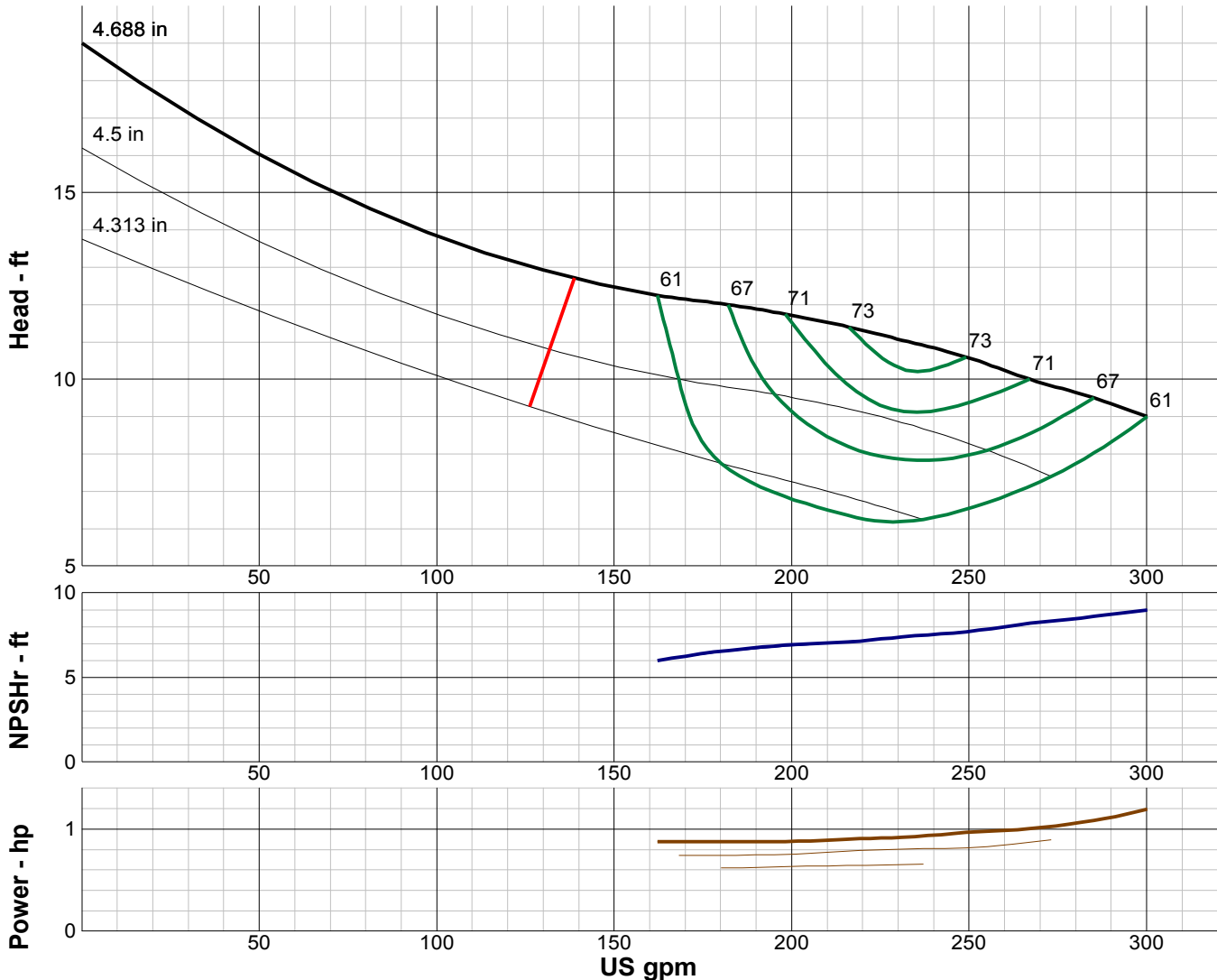
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

6YC 1750 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.	

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4
CHANGE AS FOLLOWS:	-4	-2	-1	0
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.				

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-3
BOWL MATERIAL:	-1	-1	-1	-6

FLANGED BOWL DATA

BOWL NUMBER	6818
BOWL MAX. DIAMETER	5.875 IN.
BOWL MIN. DIAMETER	5.563 IN.
MAX. NO. STAGES	46
ONE STAGE WEIGHT	75 LB.
ADD STAGE WEIGHT	15 LB.
STD. SHAFT DIA.	1.000 IN.
STD. LATERAL	0.250 IN.
DISCHARGE SIZE	4 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	4 IN.
SUCTION 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.



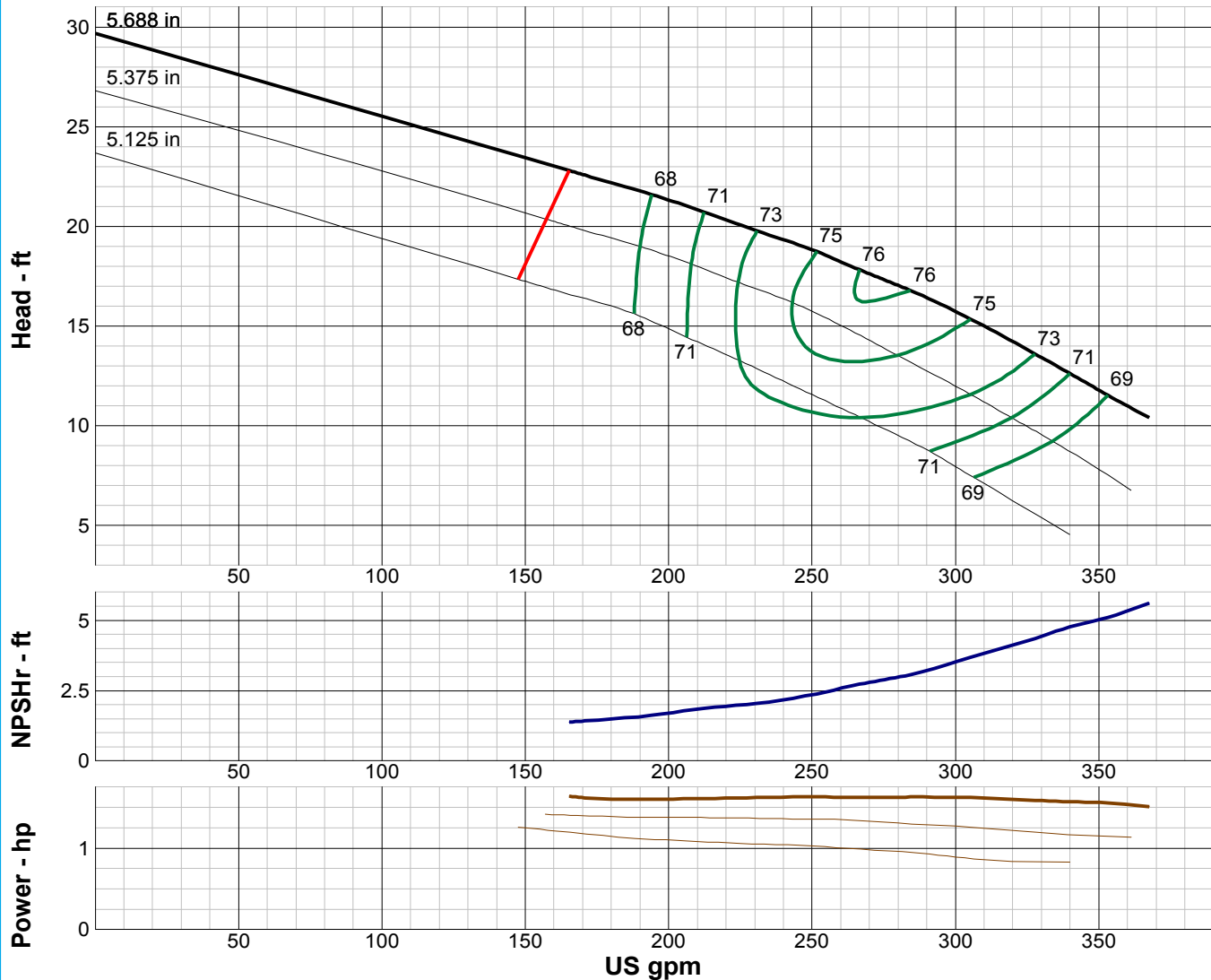
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

7MC 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	7647	Minimum submergence above eye of bottom impeller: 18 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=4.5	
EYE AREA	11.3 SQ. IN.	
WEIGHT	5.00 LB.	

EFFICIENCY CORRECTION				
NUMBER OF BOWLS:	1	2	3	
CHANGE AS FOLLOWS:	-2	-1	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.				

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-3
BOWL MATERIAL:	-2	-2	-2	-6

FLANGED BOWL DATA	
BOWL NUMBER	6947
BOWL MAX. DIAMETER	7.313 IN.
BOWL MIN. DIAMETER	7.125 IN.
MAX. NO. STAGES	32
ONE STAGE WEIGHT	102 LB.
ADD STAGE WEIGHT	37 LB.
STD. SHAFT DIA.	1.188 IN.
STD. LATERAL	0.625 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	5 - 6 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.750 IN.
MAX. OPERATIONAL P.S.I.	695 (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.



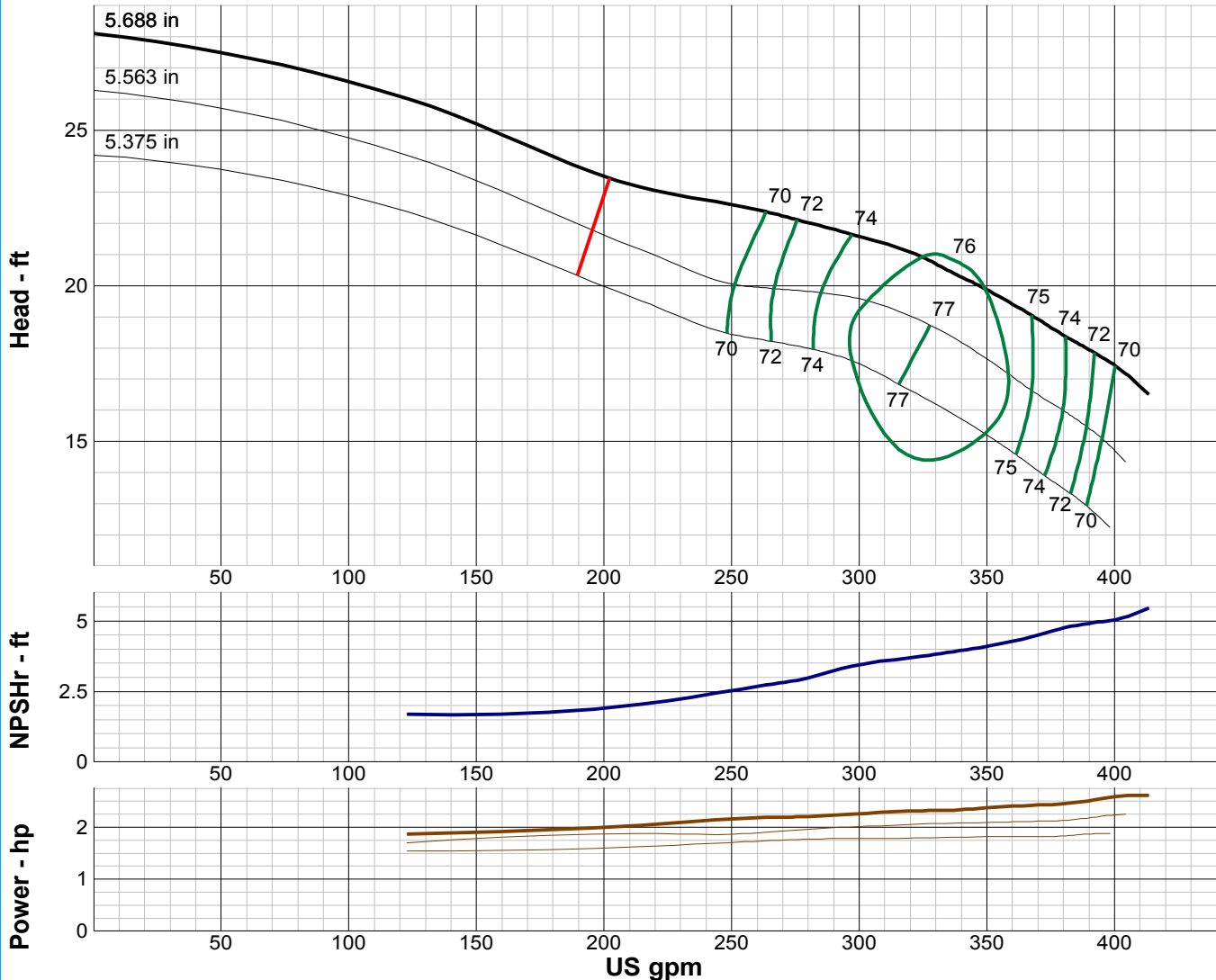
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

7HC 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	7656	Minimum submergence above eye of bottom impeller: 18 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=4.56	
EYE AREA	11.3 SQ. IN.	
WEIGHT	5.25 LB.	

EFFICIENCY CORRECTION				
NUMBER OF BOWLS:	1	2	3	
CHANGE AS FOLLOWS:	-2	-1	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.				

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-3
BOWL MATERIAL:	-2	-2	-2	-6

FLANGED BOWL DATA	
BOWL NUMBER	6947
BOWL MAX. DIAMETER	7.313 IN.
BOWL MIN. DIAMETER	7.125 IN.
MAX. NO. STAGES	32
ONE STAGE WEIGHT	102 LB.
ADD STAGE WEIGHT	37 LB.
STD. SHAFT DIA.	1.188 IN.
STD. LATERAL	0.625 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	5 - 6 IN.
SUCTION 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.



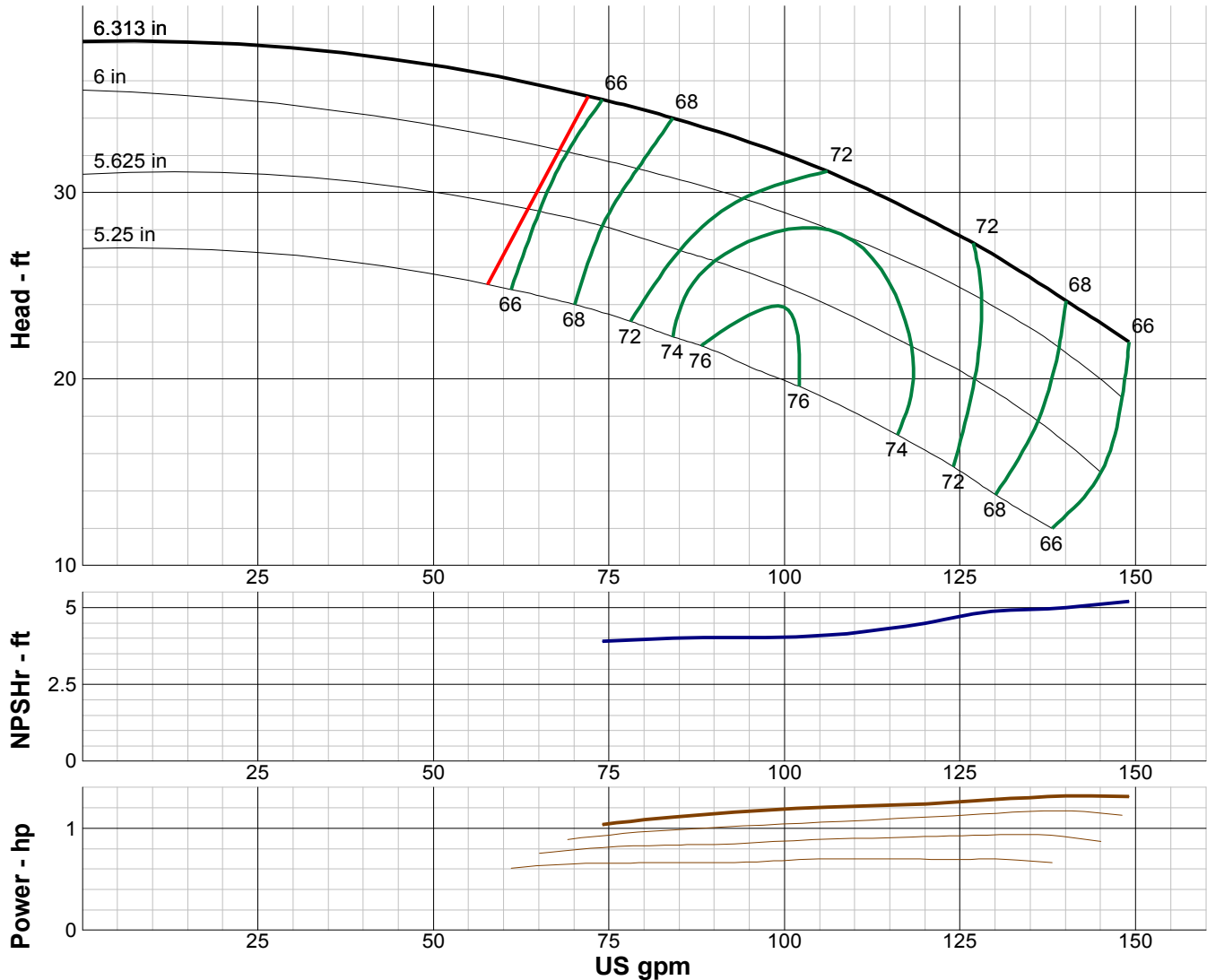
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

8JC 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	3628	Minimum submergence above eye of bottom impeller: 18 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=2.98	
EYE AREA	3.65 SQ. IN.	
WEIGHT	5.75 LB.	

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3		
CHANGE AS FOLLOWS:	-3	-1	-0		
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-2	-2	-5

FLANGED BOWL DATA	
BOWL BUMBER	3629
BOWL MAX. DIAMETER	7.813 IN.
BOWL MIN. DIAMETER	7.500 IN.
MAX. NO. STAGES	42
ONE STAGE WEIGHT	130 LB.
ADD STAGE WEIGHT	30 LB.
STD. SHAFT DIA.	1.000 IN.
STD. LATERAL	0.438 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	5 - 6 IN.
SUCTION 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.



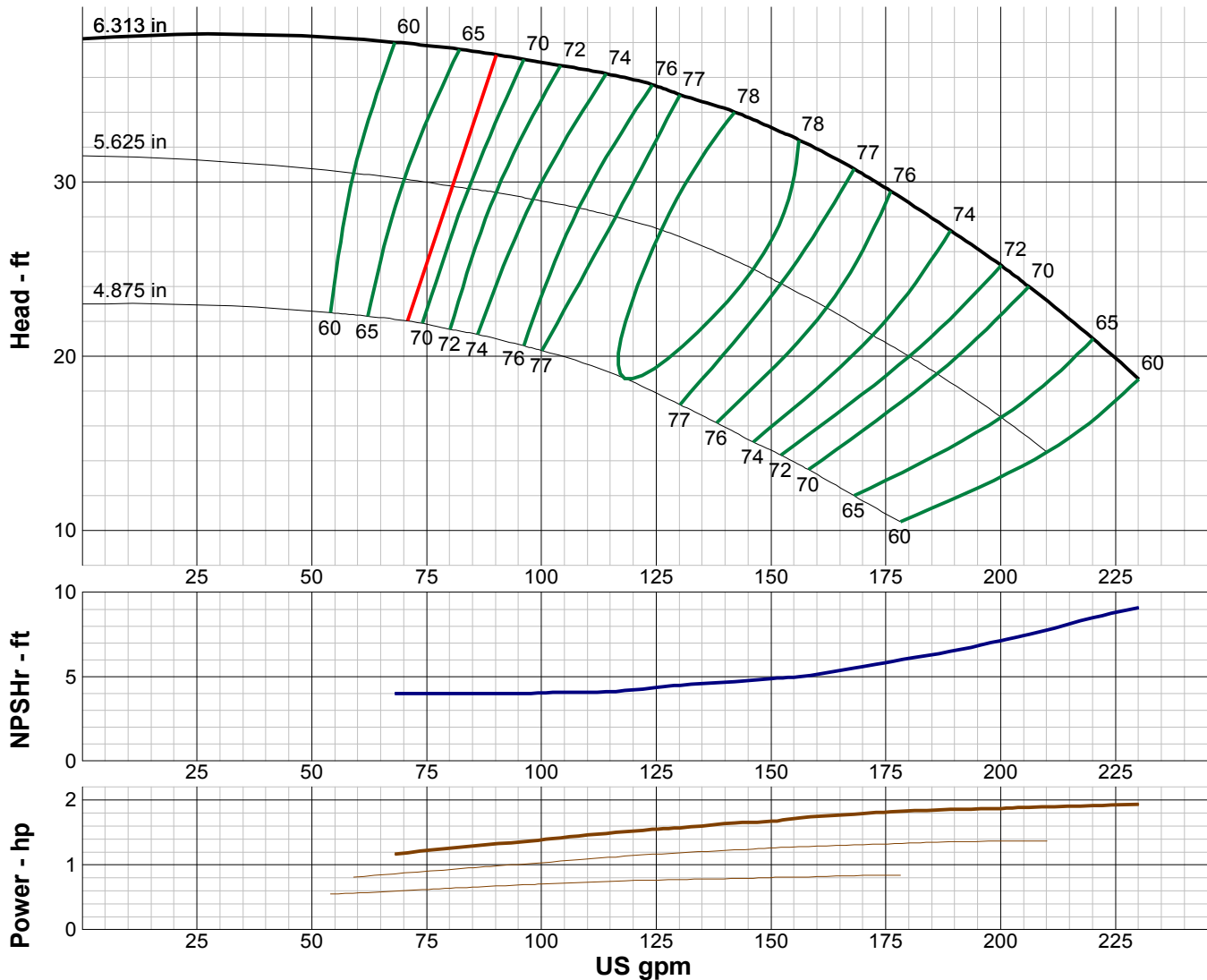
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

8LC 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	3630	Minimum submergence above eye of bottom impeller: 14 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=2.98	
EYE AREA	4.64 SQ. IN.	
WEIGHT	5.75 LB.	

EFFICIENCY CORRECTION				
NUMBER OF BOWLS:	1	2	3	
CHANGE AS FOLLOWS:	-4	-2	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.				

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-2	-2	-5

FLANGED BOWL DATA	
BOWL NUMBER	3629
BOWL MAX. DIAMETER	7.813 IN.
BOWL MIN. DIAMETER	7.500 IN.
MAX. NO. STAGES	37
ONE STAGE WEIGHT	130 LB.
ADD STAGE WEIGHT	30 LB.
STD. SHAFT DIA.	1.000 IN.
STD. LATERAL	0.438 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	5 - 6 IN.
SUCTION 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.



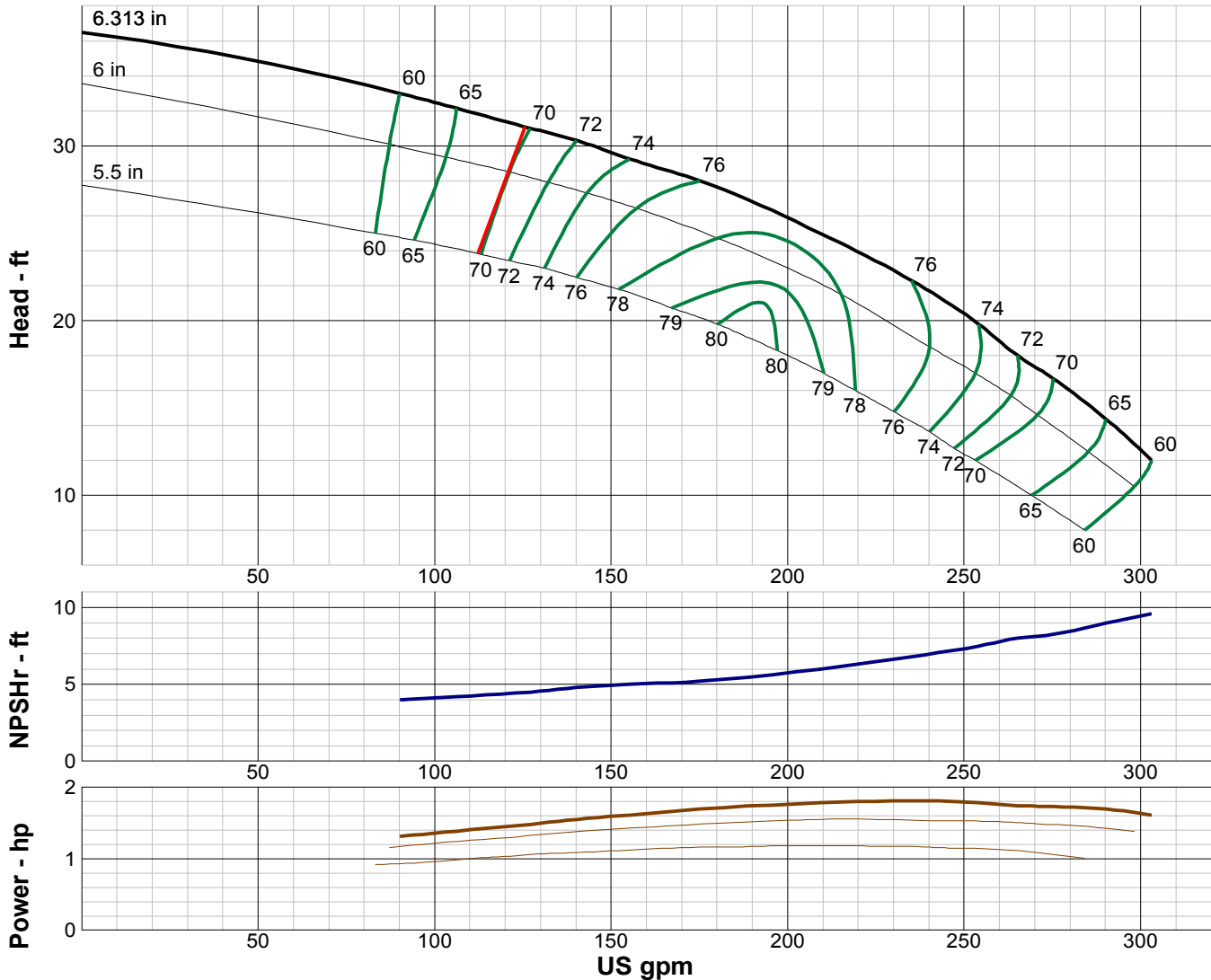
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

8KC 1750 RPM



IMPELLER DATA

IMPELLER NUMBER	3680	Minimum submergence above eye of bottom impeller: 18 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=3.93	
EYE AREA	5.72 SQ. IN.	
WEIGHT	5.50 LB.	

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3		
CHANGE AS FOLLOWS:	-3	-1	0		
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-2	-2	-5

FLANGED BOWL DATA

BOWL NUMBER	3591
BOWL MAX. DIAMETER	7.938 IN.
BOWL MIN. DIAMETER	7.500 IN.
MAX. NO. STAGES	37
ONE STAGE WEIGHT	130 LB.
ADD STAGE WEIGHT	30 LB.
STD. SHAFT DIA.	1.000 IN.
STD. LATERAL	0.438 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	5 - 6 IN.
SUCTION 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.



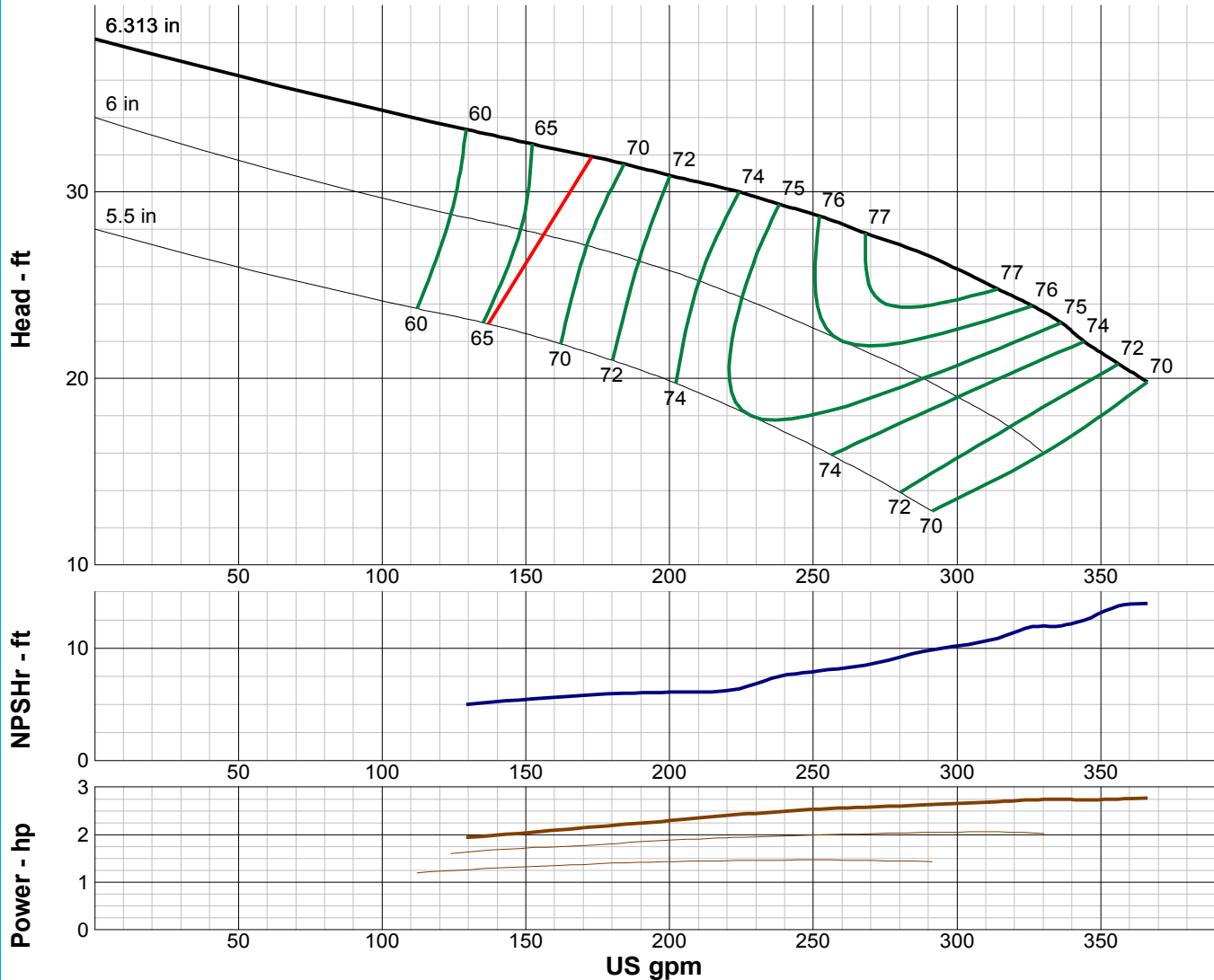
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

8MC 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	3589	Minimum submergence above eye of bottom impeller: 22 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=3.93	
EYE AREA	6.50 SQ. IN.	
WEIGHT	5.00 LB.	

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	5
CHANGE AS FOLLOWS:	-4	-3	-2	-1	0
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-2	-2	-5

FLANGED BOWL DATA	
BOWL NUMBER	3591
BOWL MAX. DIAMETER	7.938 IN.
BOWL MIN. DIAMETER	7.500 IN.
MAX. NO. STAGES	23
ONE STAGE WEIGHT	130 LB.
ADD STAGE WEIGHT	30 LB.
STD. SHAFT DIA.	1.000 IN.
STD. LATERAL	0.438 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	5 - 6 IN.
SUCTION 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.



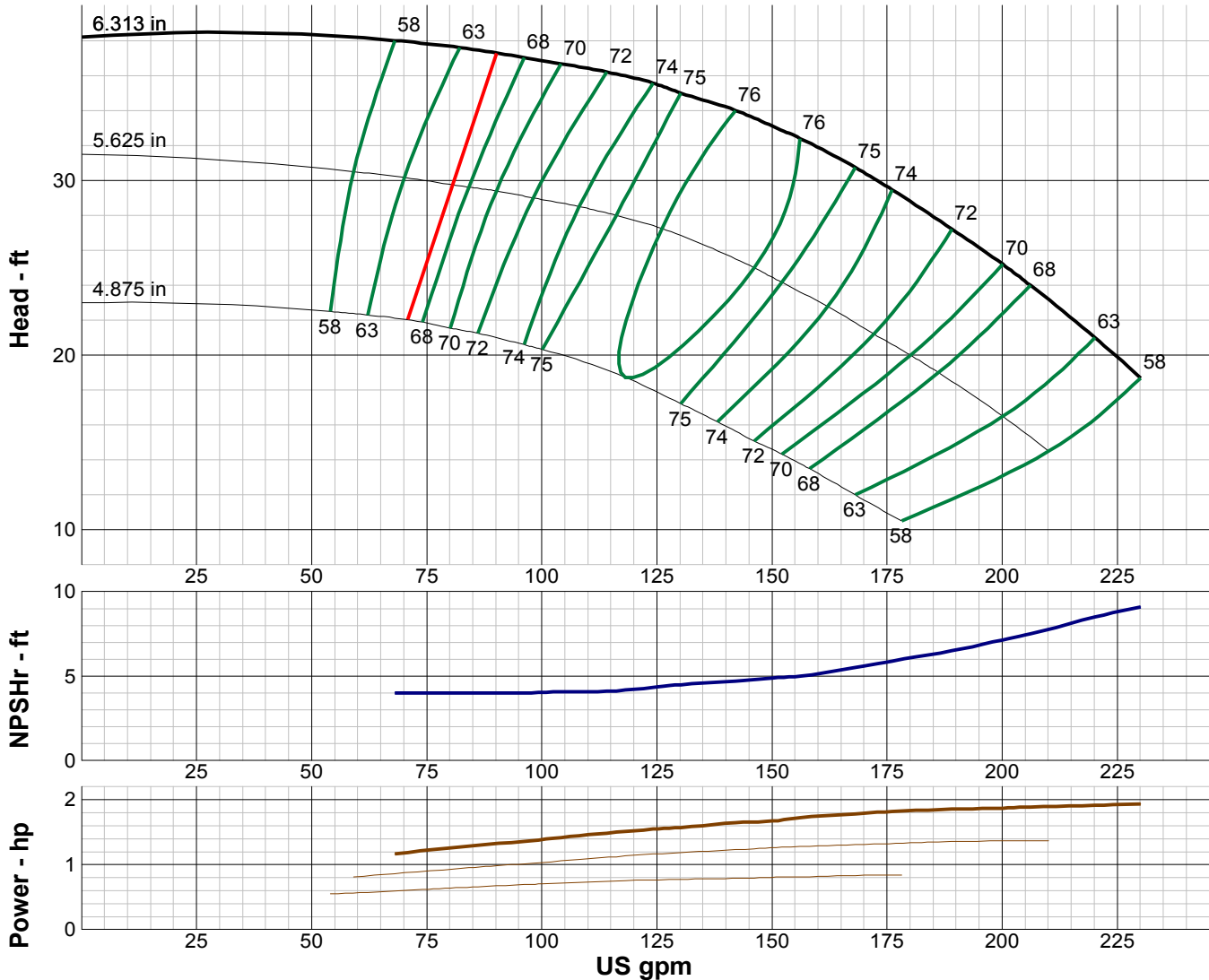
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

8LCR 1750 RPM



IMPELLER DATA

IMPELLER NUMBER	0395	Minimum submergence above eye of bottom impeller: 19 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=4.30	
EYE AREA	10.4 SQ. IN.	
WEIGHT	11.00 LB.	

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3		
CHANGE AS FOLLOWS:	-2	-1	0		
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-2	-2	-5

FLANGED BOWL DATA

BOWL NUMBER	0387
BOWL MAX. DIAMETER	7.625 IN.
BOWL MIN. DIAMETER	7.500 IN.
MAX. NO. STAGES	28
ONE STAGE WEIGHT	140 LB.
ADD STAGE WEIGHT	45 LB.
STD. SHAFT DIA.	1.188 IN.
STD. LATERAL	0.375 IN.
DISCHARGE SIZE	6 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	5 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.250 IN.
MAX. OPERATIONAL P.S.I.	400 (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.



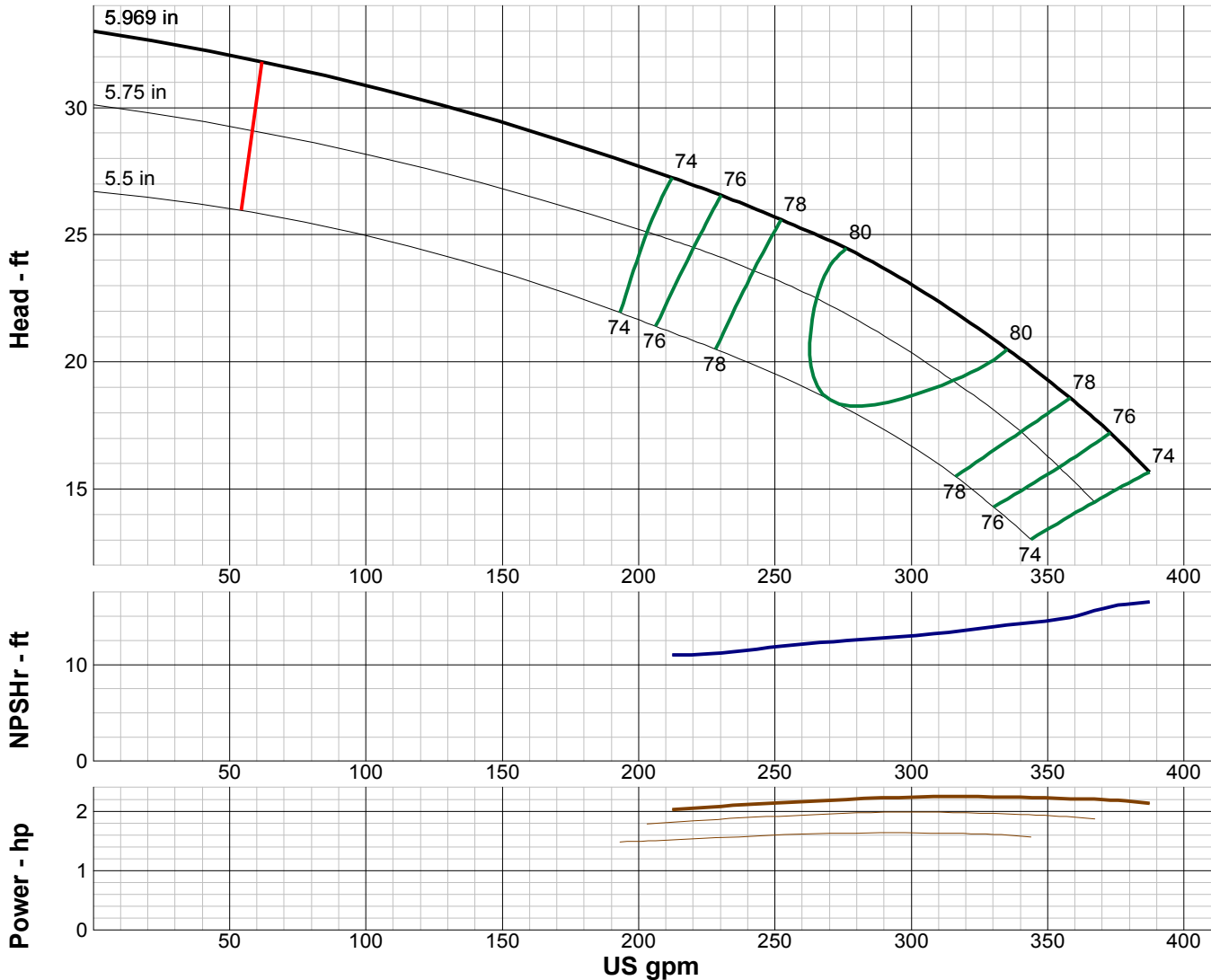
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

8MCR 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	0396	Minimum submergence above eye of bottom impeller: 20 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=4.30	
EYE AREA	10.4 SQ. IN.	
WEIGHT	11.00 LB.	

EFFICIENCY CORRECTION				
NUMBER OF BOWLS:	1	2	3	
CHANGE AS FOLLOWS:	-2	-1	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.				

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-2	-2	-5

FLANGED BOWL DATA	
BOWL NUMBER	0387
BOWL MAX. DIAMETER	7.625 IN.
BOWL MIN. DIAMETER	7.500 IN.
MAX. NO. STAGES	28
ONE STAGE WEIGHT	140 LB.
ADD STAGE WEIGHT	45 LB.
STD. SHAFT DIA.	1.188 IN.
STD. LATERAL	0.375 IN.
DISCHARGE SIZE	6 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	5 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.250 IN.
MAX. OPERATIONAL P.S.I.	400 (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.



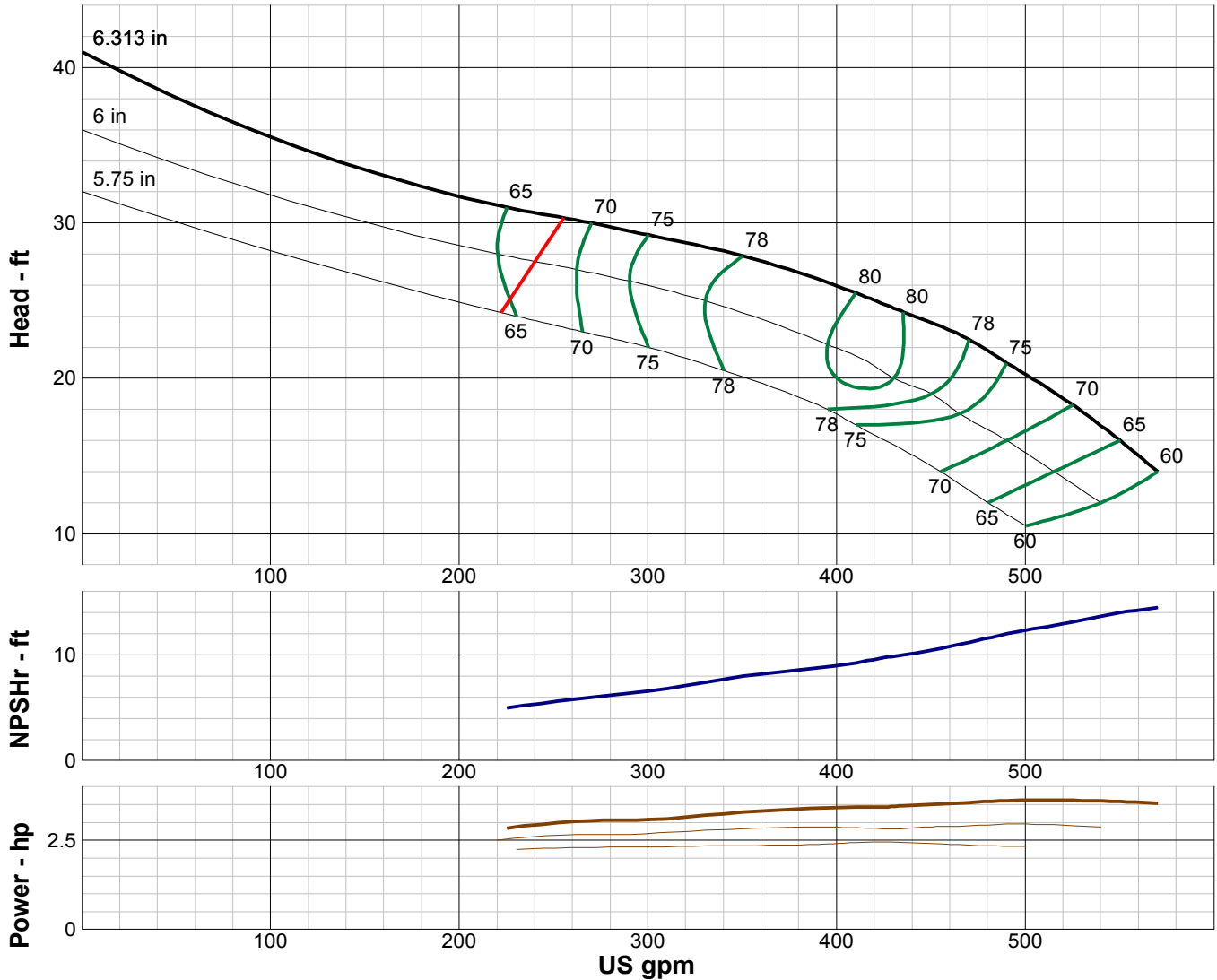
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

8EHC 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	2978	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.	

EFFICIENCY CORRECTION				
NUMBER OF BOWLS:	1	2	3	
CHANGE AS FOLLOWS:	-3	-2	-1	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.				

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-2	-2	-5

FLANGED BOWL DATA	
BOWL NUMBER	2883
BOWL MAX. DIAMETER	7.938 IN.
BOWL MIN. DIAMETER	7.500 IN.
MAX. NO. STAGES	19
ONE STAGE WEIGHT	130 LB.
ADD STAGE WEIGHT	30 LB.
STD. SHAFT DIA.	1.188 IN.
STD. LATERAL	0.375 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	5 - 6 IN.
SUCTION 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.



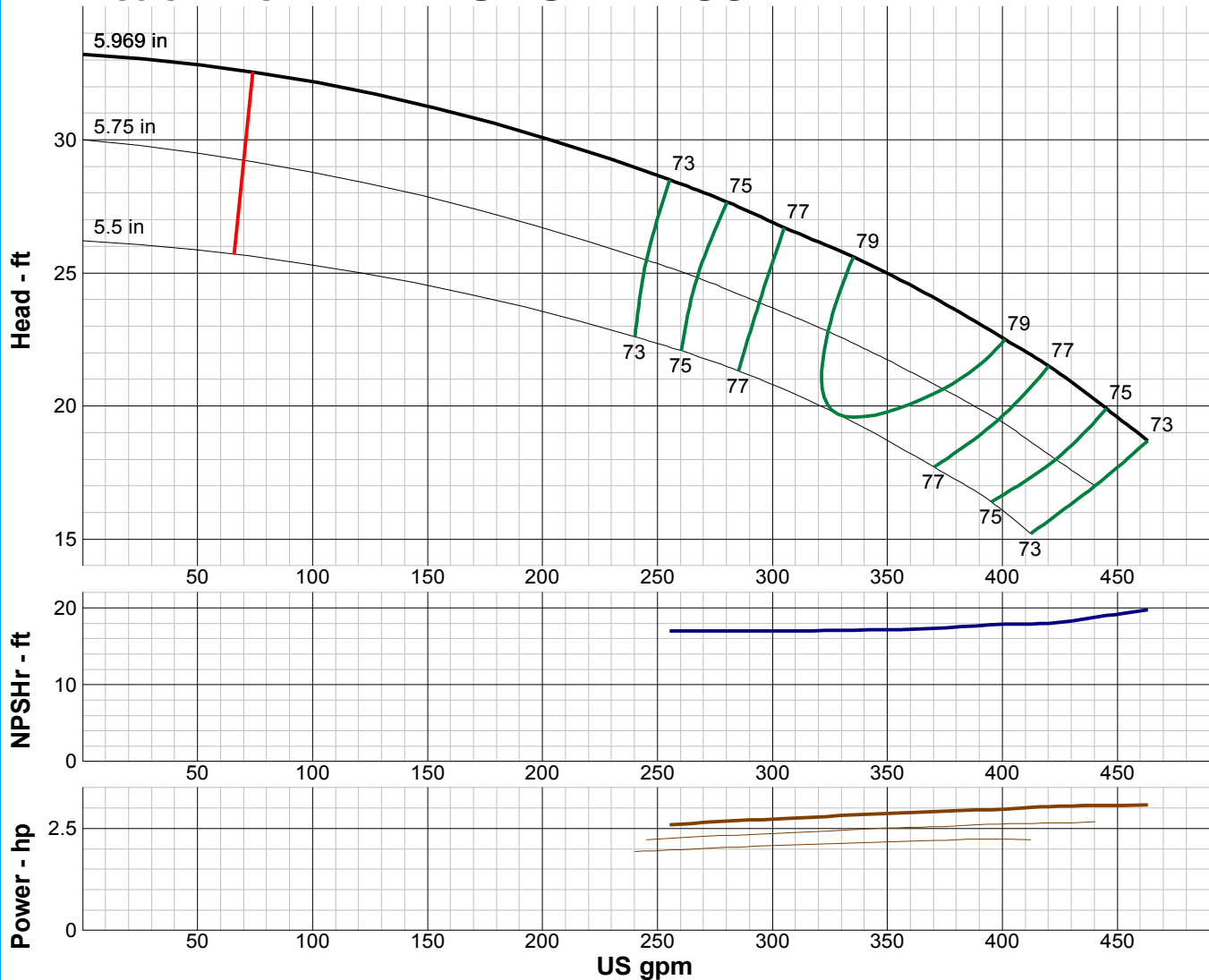
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

8HCR 1750 RPM



IMPELLER DATA

IMPELLER NUMBER	0379	Minimum submergence above eye of bottom impeller: 20 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=4.30	
EYE AREA	10.4 SQ. IN.	
WEIGHT	11.00 LB.	

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3		
CHANGE AS FOLLOWS:	-2	-1	0		
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-2	-2	-5

FLANGED BOWL DATA

BOWL NUMBER	0387
BOWL MAX. DIAMETER	7.625 IN.
BOWL MIN. DIAMETER	7.500 IN.
MAX. NO. STAGES	28
ONE STAGE WEIGHT	140 LB.
ADD STAGE WEIGHT	45 LB.
STD. SHAFT DIA.	1.188 IN.
STD. LATERAL	0.375 IN.
DISCHARGE SIZE	6 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	5 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.250 IN.
MAX. OPERATIONAL P.S.I.	400 (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.



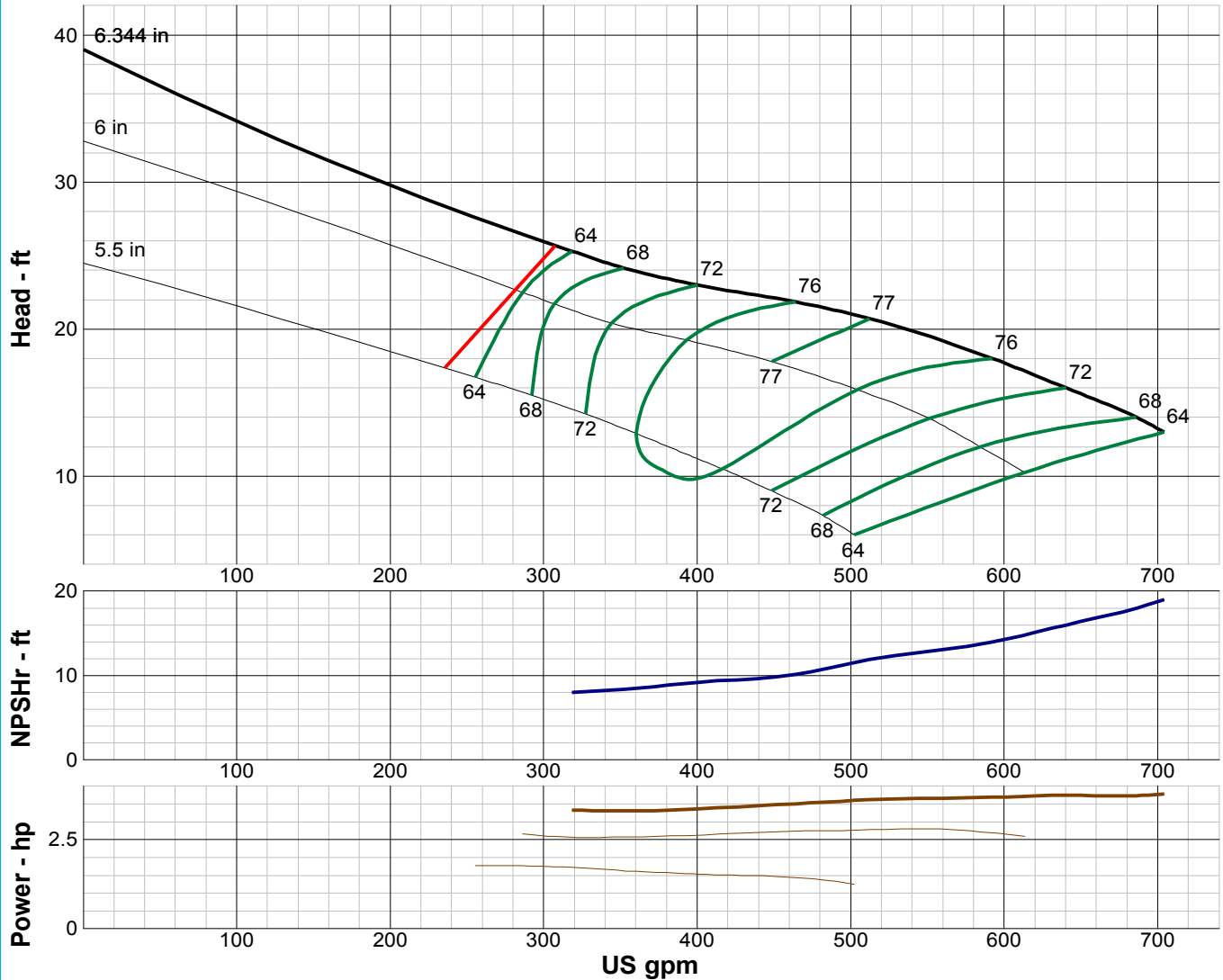
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

8YC 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	5502	Minimum submergence above eye of bottom impeller: 28 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=8.00	
EYE AREA	15.9 SQ. IN.	
WEIGHT	5.25 LB.	

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-3	-2	-1	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-2	-2	-5

FLANGED BOWL DATA	
BOWL NUMBER	5503
BOWL MAX. DIAMETER	7.938 IN.
BOWL MIN. DIAMETER	7.500 IN.
MAX. NO. STAGES	32
ONE STAGE WEIGHT	139 LB.
ADD STAGE WEIGHT	39 LB.
STD. SHAFT DIA.	1.188 IN.
STD. LATERAL	0.375 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	5 - 6 IN.
SUCTION 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.



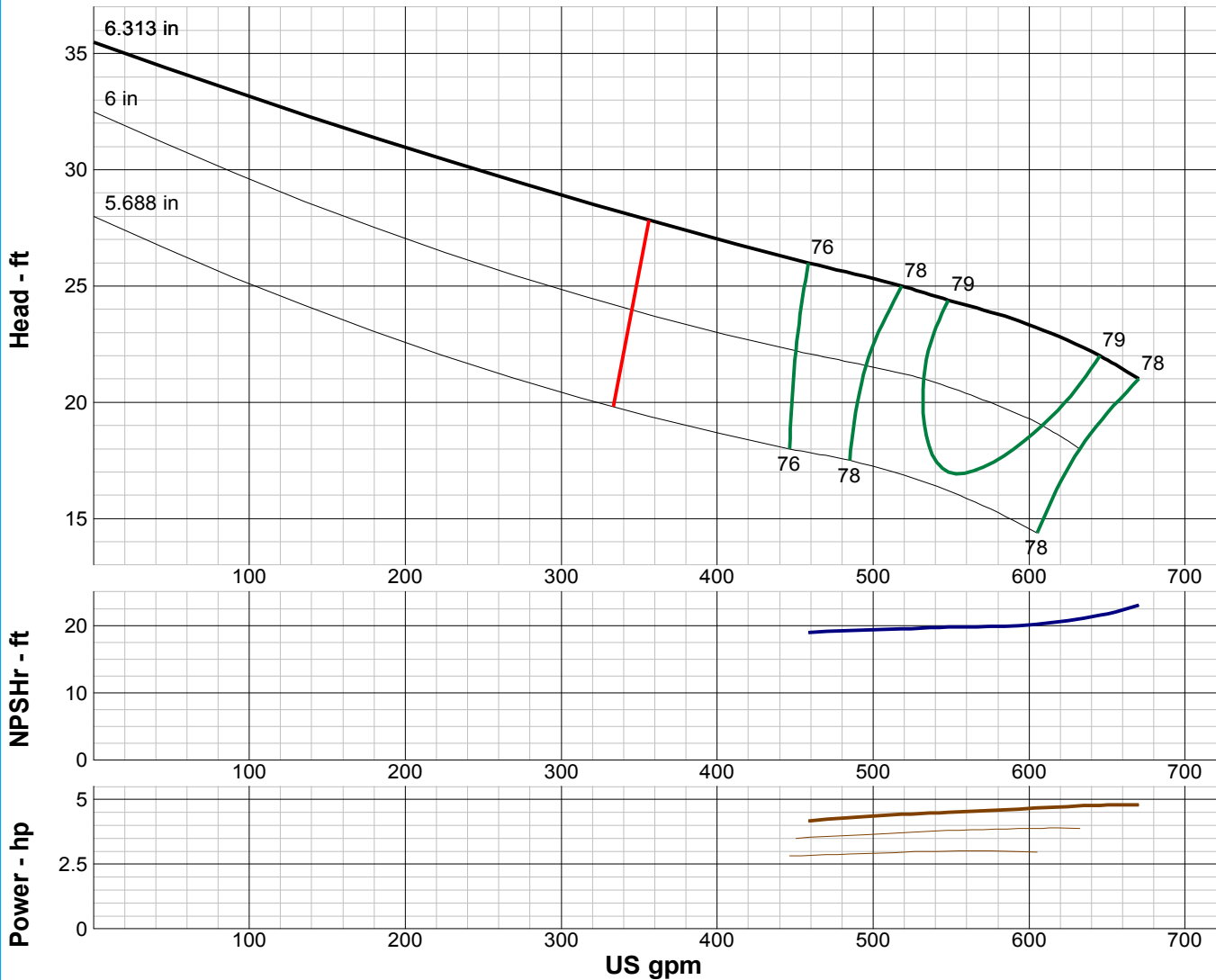
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

8WC 1750 RPM



IMPELLER DATA

IMPELLER NUMBER	3050	Minimum submergence above eye of bottom impeller: 28 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=6.20	
EYE AREA	17.2 SQ. IN.	
WEIGHT	6.50 LB.	

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4
CHANGE AS FOLLOWS:	-4	-2	-1	0
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.				

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-2	-2	-5

THREADED BOWL DATA

BOWL NUMBER	3169
BOWL MAX. DIAMETER	7.750 IN.
BOWL MIN. DIAMETER	7.625 IN.
MAX. NO. STAGES	26
ONE STAGE WEIGHT	88 LB.
ADD STAGE WEIGHT	39 LB.
STD. SHAFT DIA.	1.188 IN.
STD. LATERAL	0.500 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	5 - 6 IN.
SUCTION 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.



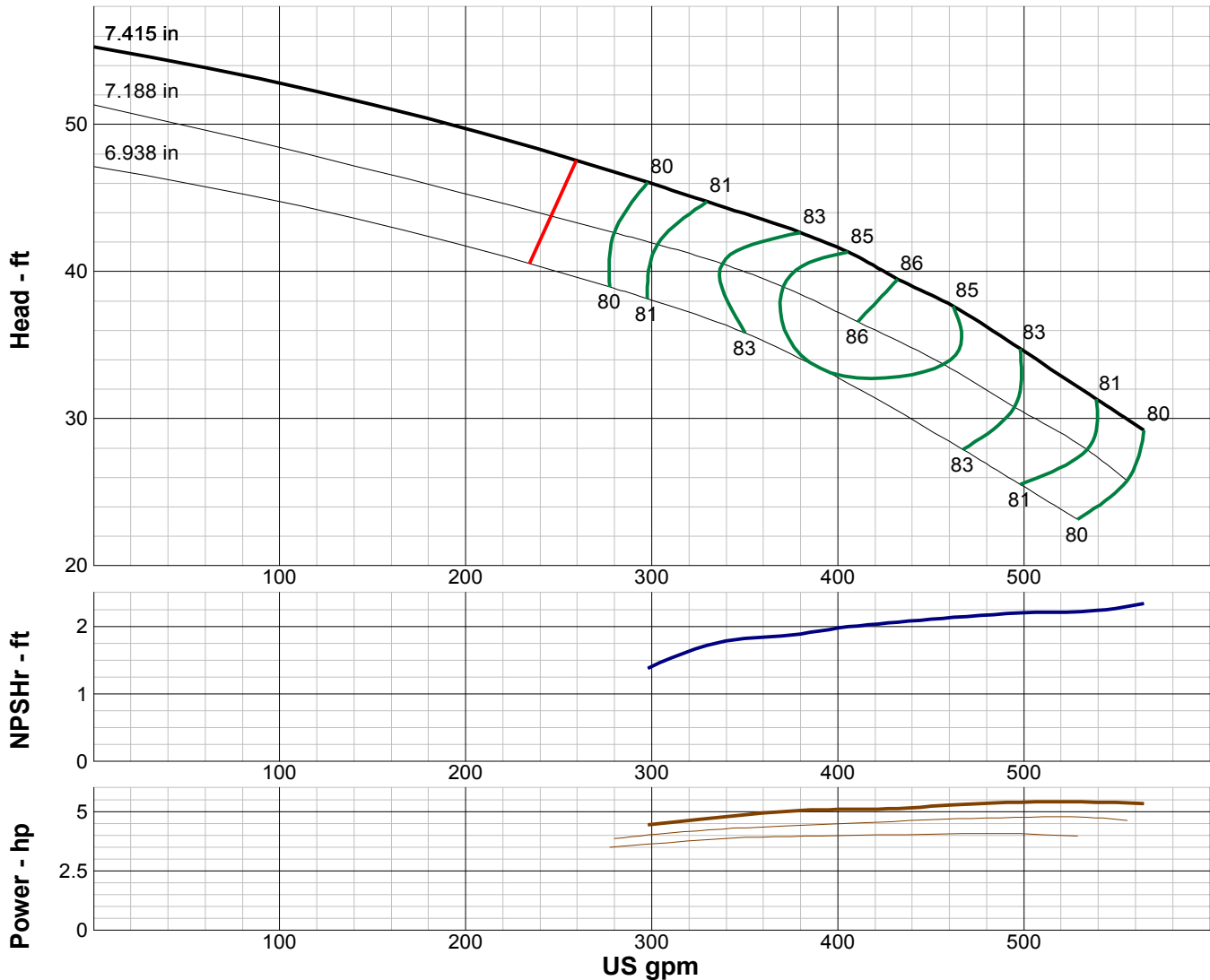
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

9LC 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	7747	Minimum submergence above eye of bottom impeller: 30 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=4.90	
EYE AREA	12.4 SQ. IN.	
WEIGHT	8.20 LB.	

EFFICIENCY CORRECTION				
NUMBER OF BOWLS:	1	2	3	
CHANGE AS FOLLOWS:	-2	-1	-0.5	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.				

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-2
BOWL MATERIAL:	-2	-2	-1	-3

FLANGED BOWL DATA	
BOWL NUMBER	7038
BOWL MAX. DIAMETER	9.438 IN.
BOWL MIN. DIAMETER	9.250 IN.
MAX. NO. STAGES	46
ONE STAGE WEIGHT	145 LB.
ADD STAGE WEIGHT	50 LB.
STD. SHAFT DIA.	1.500 IN.
STD. LATERAL	0.875 IN.
DISCHARGE SIZE	6 - 8 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	6 - 8 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	1.125 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.



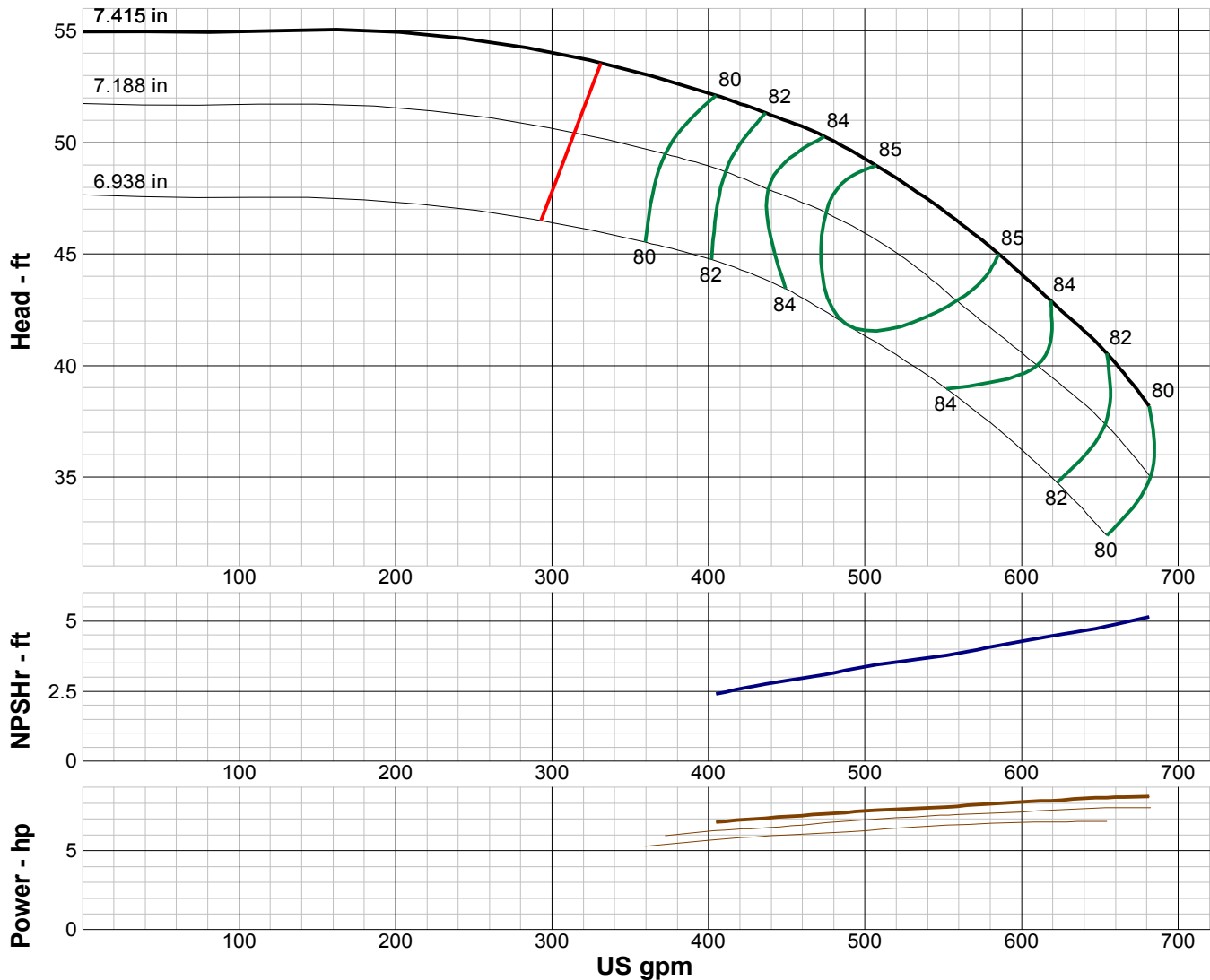
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

9HC 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	7756	Minimum submergence above eye of bottom impeller: 30 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=3.10	
EYE AREA	12.4 SQ. IN.	
WEIGHT	8.20 LB.	

EFFICIENCY CORRECTION				
NUMBER OF BOWLS:	1	2	3	
CHANGE AS FOLLOWS:	-2	-1	-0.5	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.				

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-2
BOWL MATERIAL:	-2	-2	-1	-3

FLANGED BOWL DATA	
BOWL NUMBER	7038
BOWL MAX. DIAMETER	9.438 IN.
BOWL MIN. DIAMETER	9.250 IN.
MAX. NO. STAGES	36
ONE STAGE WEIGHT	145 LB.
ADD STAGE WEIGHT	50 LB.
STD. SHAFT DIA.	1.500 IN.
STD. LATERAL	0.875 IN.
DISCHARGE SIZE	6 - 8 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	6 - 8 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	1.125 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.



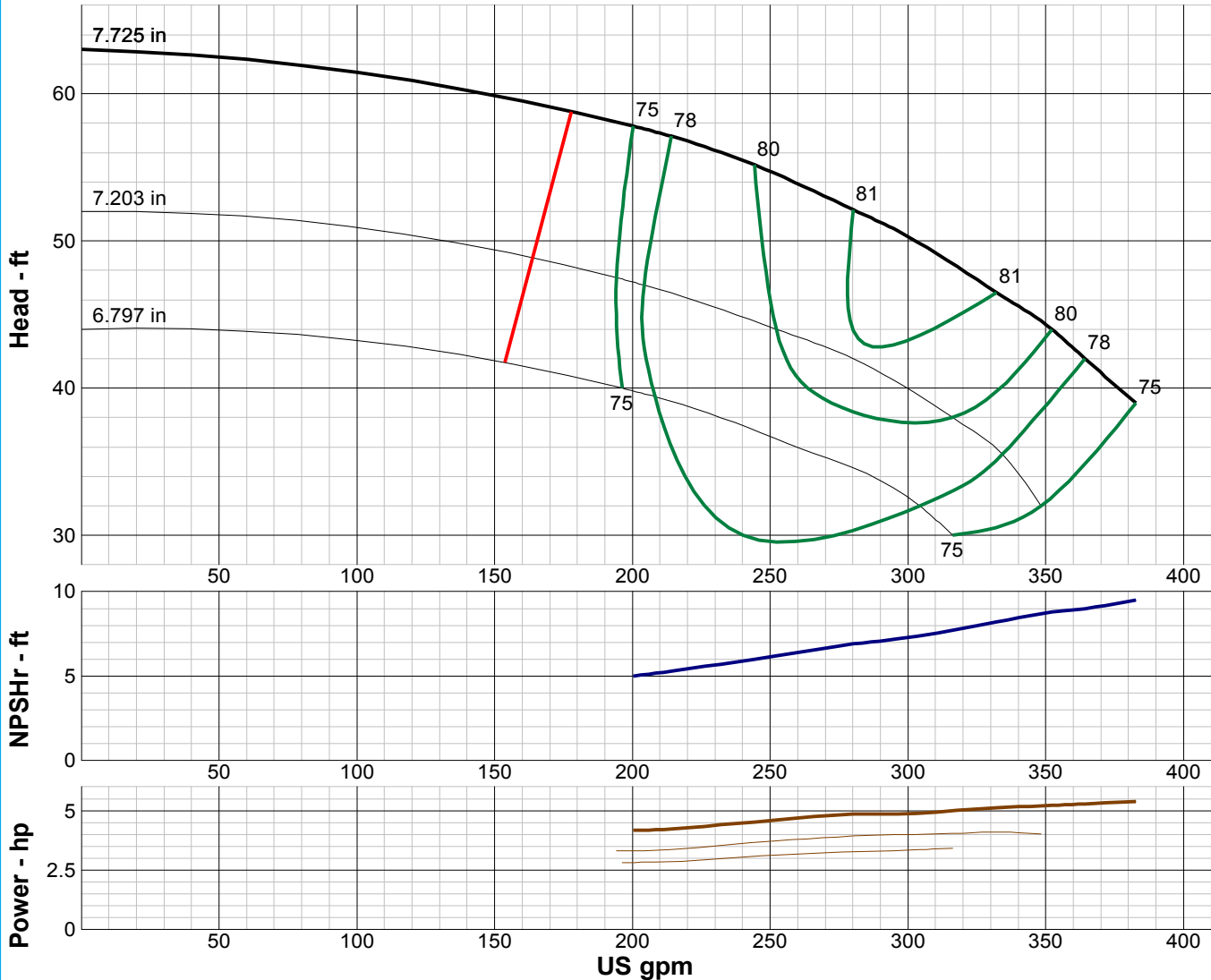
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

10JC 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	3094	Minimum submergence above eye of bottom impeller: 32 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=3.98	
EYE AREA	7.89 SQ. IN.	
WEIGHT	9.25 LB.	

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	5
CHANGE AS FOLLOWS:	-5	-4	-3	-1	0
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-2
BOWL MATERIAL:	-2	-2	-1	-3

FLANGED BOWL DATA	
BOWL NUMBER	3096
BOWL MAX. DIAMETER	9.875 IN.
BOWL MIN. DIAMETER	9.500 IN.
MAX. NO. STAGES	33
ONE STAGE WEIGHT	230 LB.
ADD STAGE WEIGHT	55 LB.
STD. SHAFT DIA.	1.500 IN.
STD. LATERAL	0.500 IN.
DISCHARGE SIZE	6 - 8 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	6 - 8 IN.
SUCTION CONNECTION	THD
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.



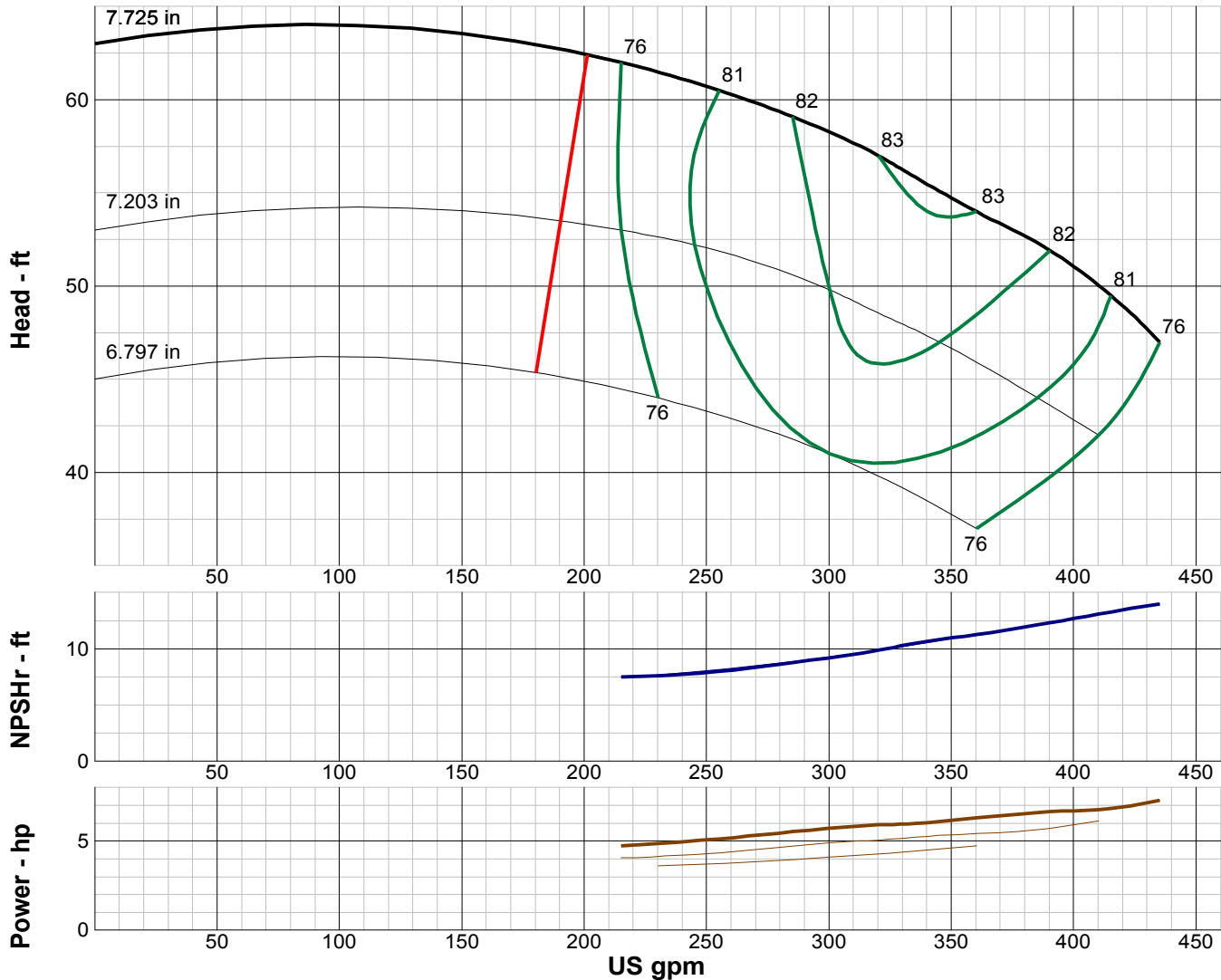
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

10KC 1750 RPM



IMPELLER DATA

IMPELLER NUMBER	3095	Minimum submergence above eye of bottom impeller: 32 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=4.20	
EYE AREA	7.89 SQ. IN.	
WEIGHT	9.50 LB.	

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4	5
CHANGE AS FOLLOWS:	-5	-4	-3	-1	0
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-2
BOWL MATERIAL:	-2	-2	-1	-3

FLANGED BOWL DATA

BOWL NUMBER	3096
BOWL MAX. DIAMETER	9.875 IN.
BOWL MIN. DIAMETER	9.500 IN.
MAX. NO. STAGES	33
ONE STAGE WEIGHT	230 LB.
ADD STAGE WEIGHT	55 LB.
STD. SHAFT DIA.	1.500 IN.
STD. LATERAL	0.500 IN.
DISCHARGE SIZE	6 - 8 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	6 - 8 IN.
SUCTION CONNECTION	THD
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.



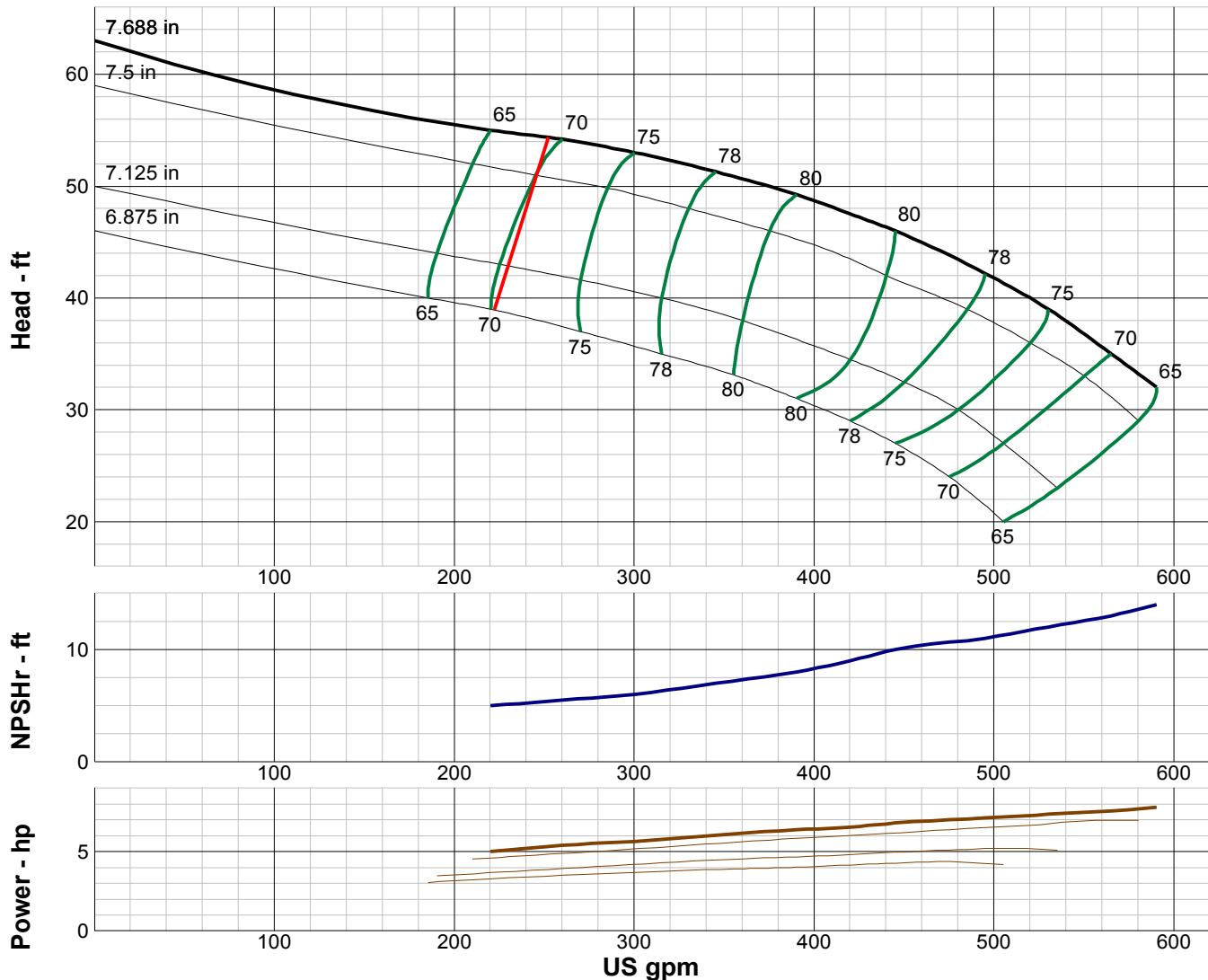
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

10LC 1750 RPM



IMPELLER DATA

IMPELLER NUMBER	3102	Minimum submergence above eye of bottom impeller: 36 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=6.60	
EYE AREA	10.2 SQ. IN.	
WEIGHT	9.75 LB.	

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4
CHANGE AS FOLLOWS:	-4	-2	-1	0
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.				

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-2
BOWL MATERIAL:	-2	-2	-1	-3

FLANGED BOWL DATA

BOWL NUMBER	3098
BOWL MAX. DIAMETER	9.500 IN.
BOWL MIN. DIAMETER	9.250 IN.
MAX. NO. STAGES	34
ONE STAGE WEIGHT	230 LB.
ADD STAGE WEIGHT	55 LB.
STD. SHAFT DIA.	1.500 IN.
STD. LATERAL	0.563 IN.
DISCHARGE SIZE	6 - 8 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	6 - 8 IN.
SUCTION CONNECTION	THD
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.



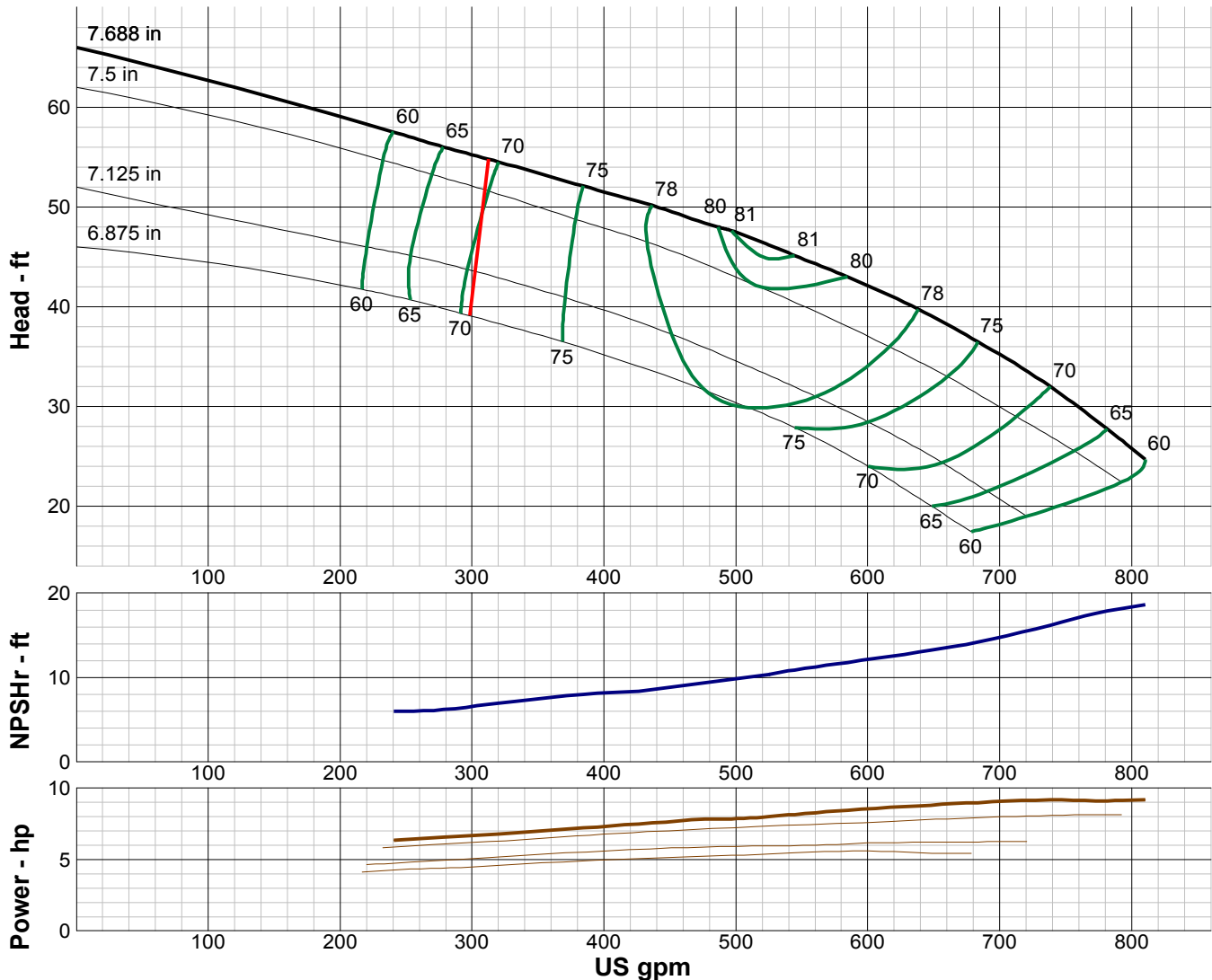
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

10MC 1750 RPM



IMPELLER DATA

IMPELLER NUMBER	3097	Minimum submergence above eye of bottom impeller: 36 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=6.60	
EYE AREA	11.7 SQ. IN.	
WEIGHT	8.50 LB.	

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4
CHANGE AS FOLLOWS:	-5	-2	-1	0
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.				

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-2
BOWL MATERIAL:	-2	-2	-1	-3

FLANGED BOWL DATA

BOWL NUMBER	3098
BOWL MAX. DIAMETER	9.500 IN.
BOWL MIN. DIAMETER	9.250 IN.
MAX. NO. STAGES	30
ONE STAGE WEIGHT	230 LB.
ADD STAGE WEIGHT	55 LB.
STD. SHAFT DIA.	1.500 IN.
STD. LATERAL	0.625 IN.
DISCHARGE SIZE	6 - 8 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	6 - 8 IN.
SUCTION CONNECTION	THD
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.



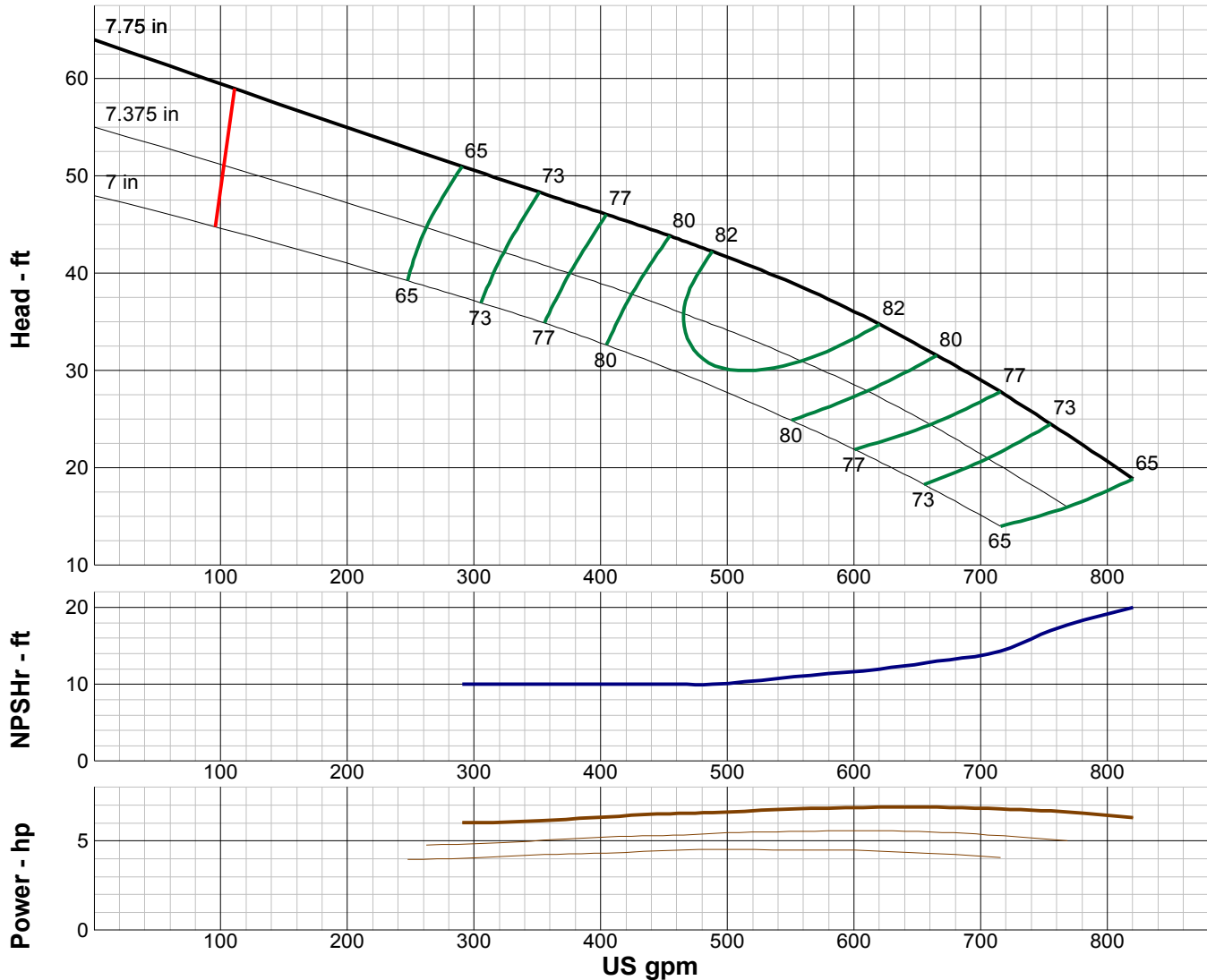
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

10LCR 1750 RPM



IMPELLER DATA

IMPELLER NUMBER	0341	Minimum submergence above eye of bottom impeller: 22 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=6.90	
EYE AREA	18.0 SQ. IN.	
WEIGHT	15.00 LB.	

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4
CHANGE AS FOLLOWS:	-3	-2	-1	0

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-2
BOWL MATERIAL:	-2	-2	-1	-3

FLANGED BOWL DATA

BOWL NUMBER	0340
BOWL MAX. DIAMETER	9.500 IN.
BOWL MIN. DIAMETER	9.375 IN.
MAX. NO. STAGES	23
ONE STAGE WEIGHT	260 LB.
ADD STAGE WEIGHT	80 LB.
STD. SHAFT DIA.	1.688 IN.
STD. LATERAL	0.375 IN.
DISCHARGE SIZE	6 - 8 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	6 - 8 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.500 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.



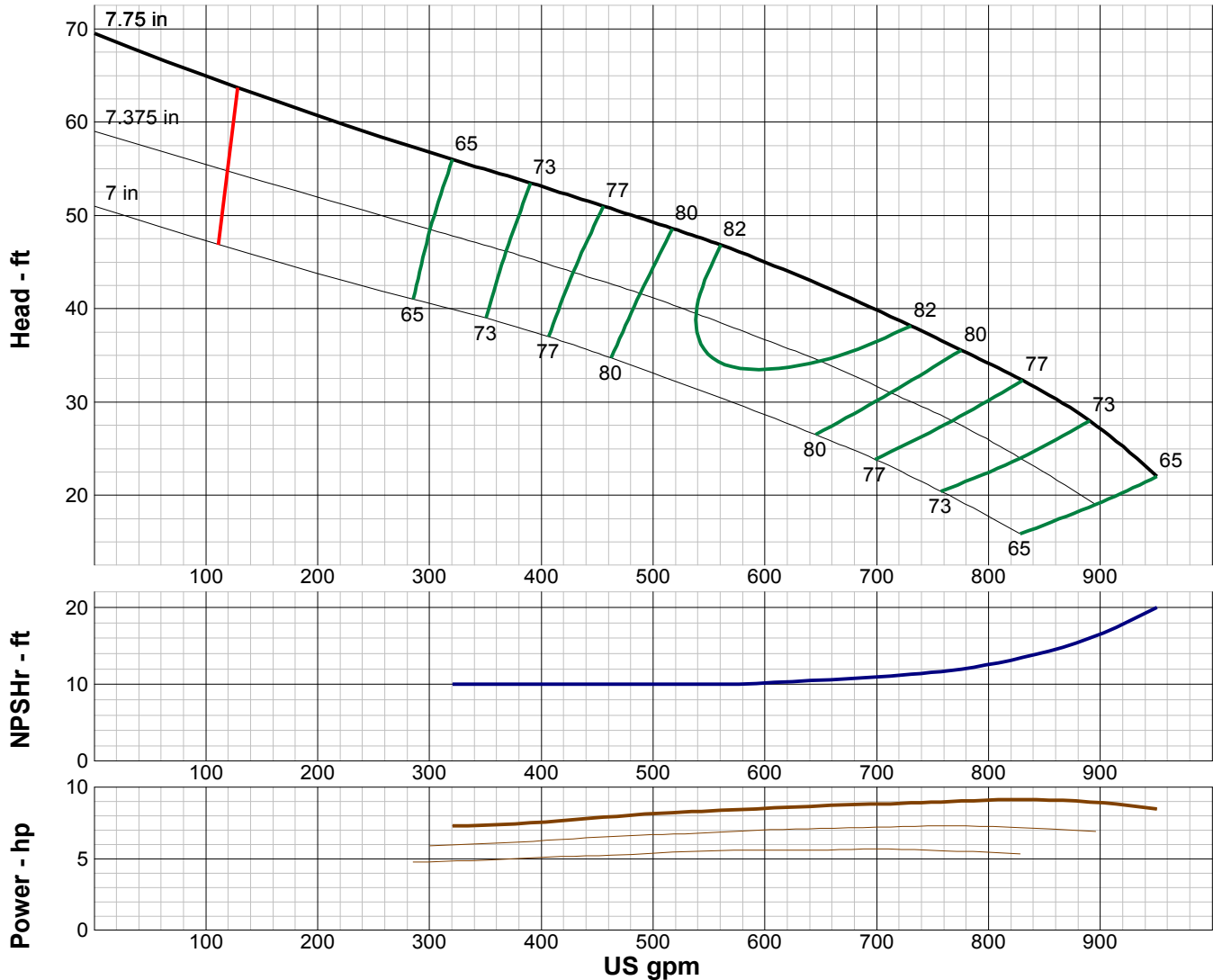
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

10MCR 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	0342	Minimum submergence above eye of bottom impeller: 22 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=6.70	
EYE AREA	18.0 SQ. IN.	
WEIGHT	15.00 LB.	

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-3	-2	-1	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-2
BOWL MATERIAL:	-2	-2	-1	-3

FLANGED BOWL DATA	
BOWL NUMBER	0340
BOWL MAX. DIAMETER	9.500 IN.
BOWL MIN. DIAMETER	9.375 IN.
MAX. NO. STAGES	23
ONE STAGE WEIGHT	260 LB.
ADD STAGE WEIGHT	80 LB.
STD. SHAFT DIA.	1.688 IN.
STD. LATERAL	0.375 IN.
DISCHARGE SIZE	6 - 8 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	6 - 8 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.500 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.



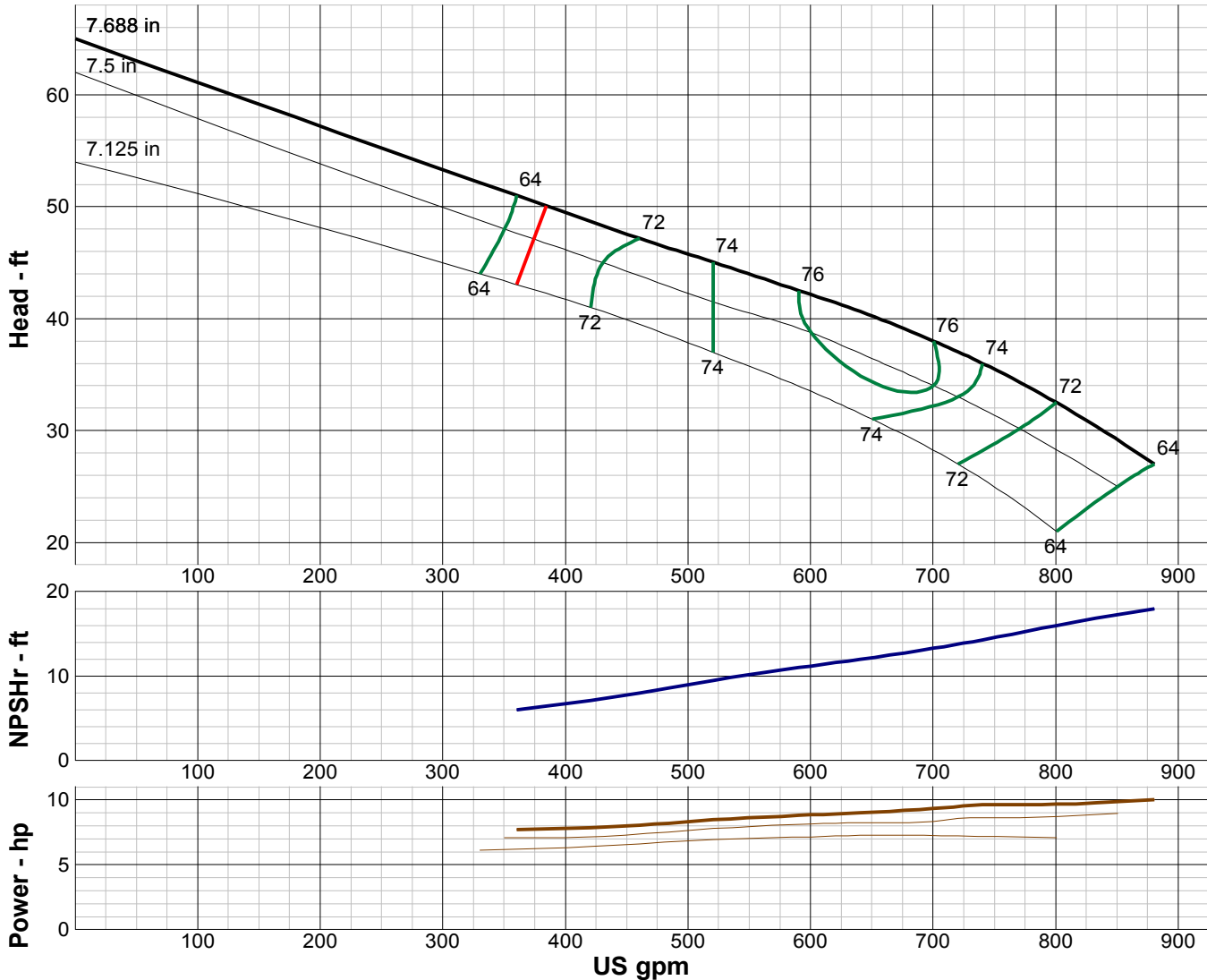
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

10HC 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	2967	Minimum submergence above eye of bottom impeller: 39 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=8.10	
EYE AREA	14.9 SQ. IN.	
WEIGHT	8.50 LB.	

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-4	-2	-1	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-2
BOWL MATERIAL:	-2	-2	-1	-3

FLANGED BOWL DATA	
BOWL NUMBER	2968
BOWL MAX. DIAMETER	9.500 IN.
BOWL MIN. DIAMETER	9.250 IN.
MAX. NO. STAGES	27
ONE STAGE WEIGHT	230 LB.
ADD STAGE WEIGHT	55 LB.
STD. SHAFT DIA.	1.500 IN.
STD. LATERAL	0.625 IN.
DISCHARGE SIZE	6 - 8 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	6 - 8 IN.
SUCTION CONNECTION	THD
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.



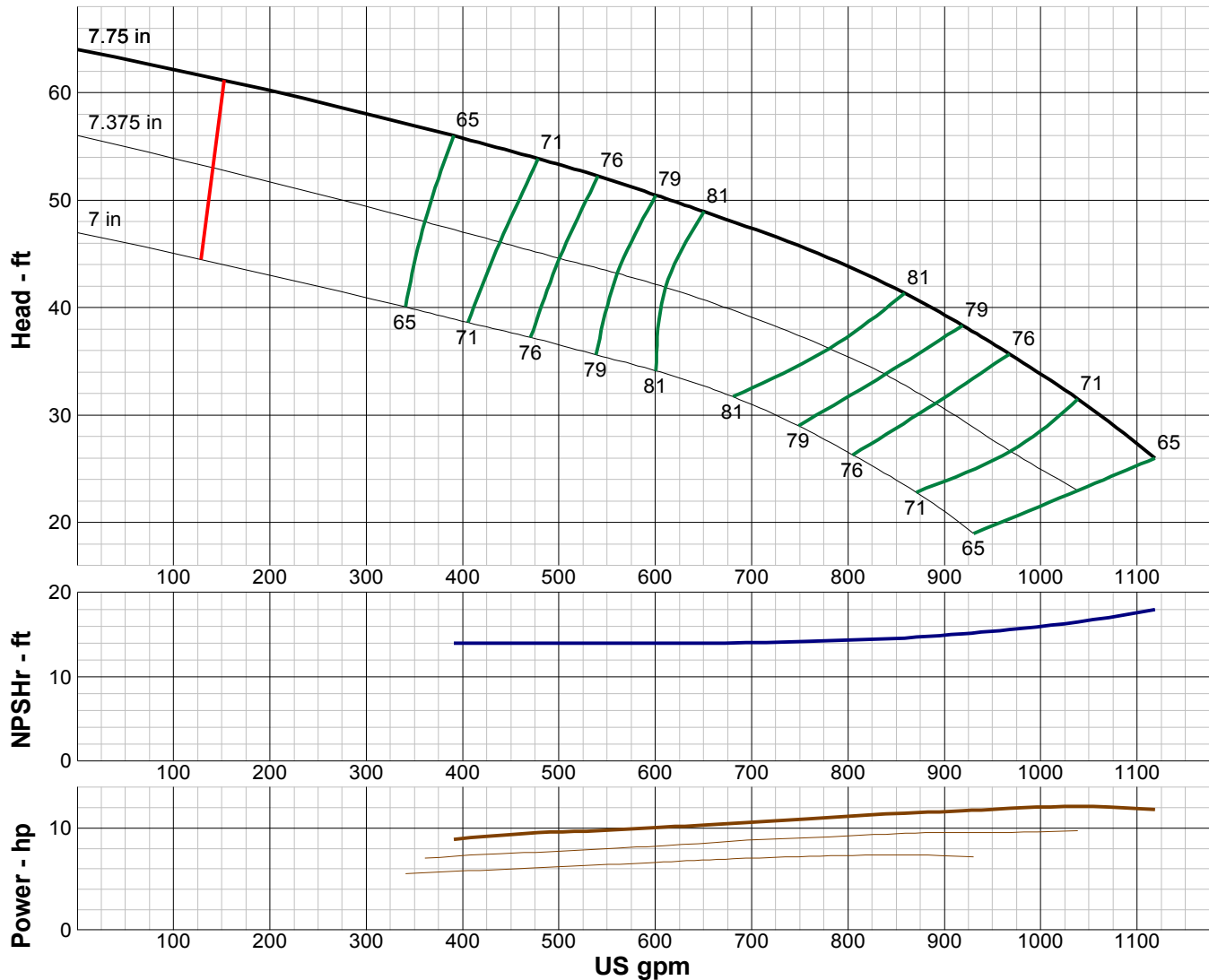
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

10HCR 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	0343	Minimum submergence above eye of bottom impeller: 22 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=6.70	
EYE AREA	18.0 SQ. IN.	
WEIGHT	15.00 LB.	

EFFICIENCY CORRECTION				
NUMBER OF BOWLS:	1	2	3	4
CHANGE AS FOLLOWS:	-3	-2	-1	0
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.				

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-2
BOWL MATERIAL:	-2	-2	-1	-3

FLANGED BOWL DATA	
BOWL NUMBER	0340
BOWL MAX. DIAMETER	9.500 IN.
BOWL MIN. DIAMETER	9.375 IN.
MAX. NO. STAGES	20
ONE STAGE WEIGHT	260 LB.
ADD STAGE WEIGHT	80 LB.
STD. SHAFT DIA.	1.688 IN.
STD. LATERAL	0.375 IN.
DISCHARGE SIZE	6 - 8 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	6 - 8 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.500 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.



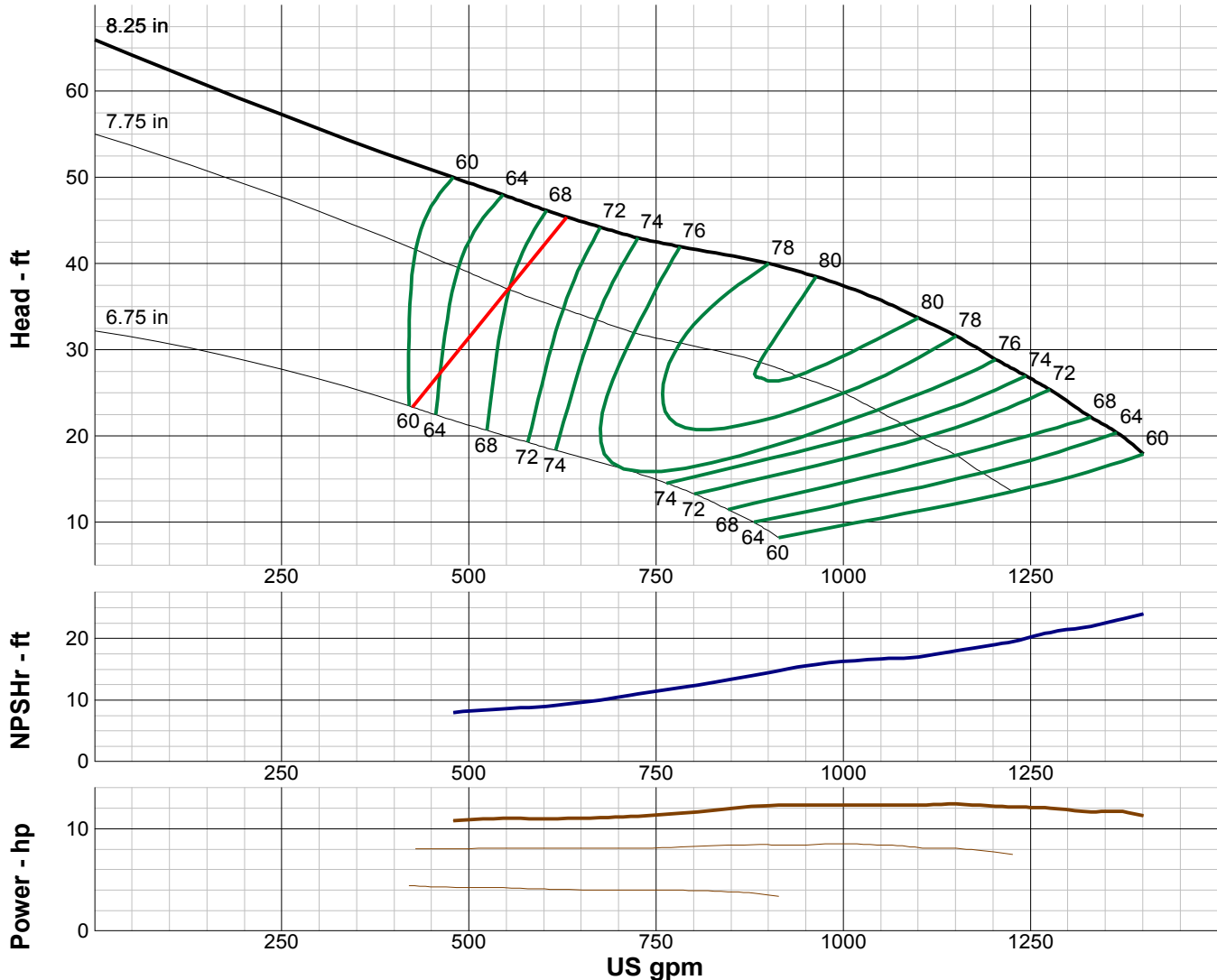
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

10YC 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	3540	Minimum submergence above eye of bottom impeller: 40 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=10.30	
EYE AREA	19.4 SQ. IN.	
WEIGHT	11.00 LB.	

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-4	-2	-1	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-2
BOWL MATERIAL:	-2	-2	-1	-3

FLANGED BOWL DATA	
BOWL NUMBER	3541
BOWL MAX. DIAMETER	9.875 IN.
BOWL MIN. DIAMETER	9.500 IN.
MAX. NO. STAGES	28
ONE STAGE WEIGHT	250 LB.
ADD STAGE WEIGHT	60 LB.
STD. SHAFT DIA.	1.688 IN.
STD. LATERAL	0.750 IN.
DISCHARGE SIZE	6 - 8 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	6 - 8 IN.
SUCTION CONNECTION	THD
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.



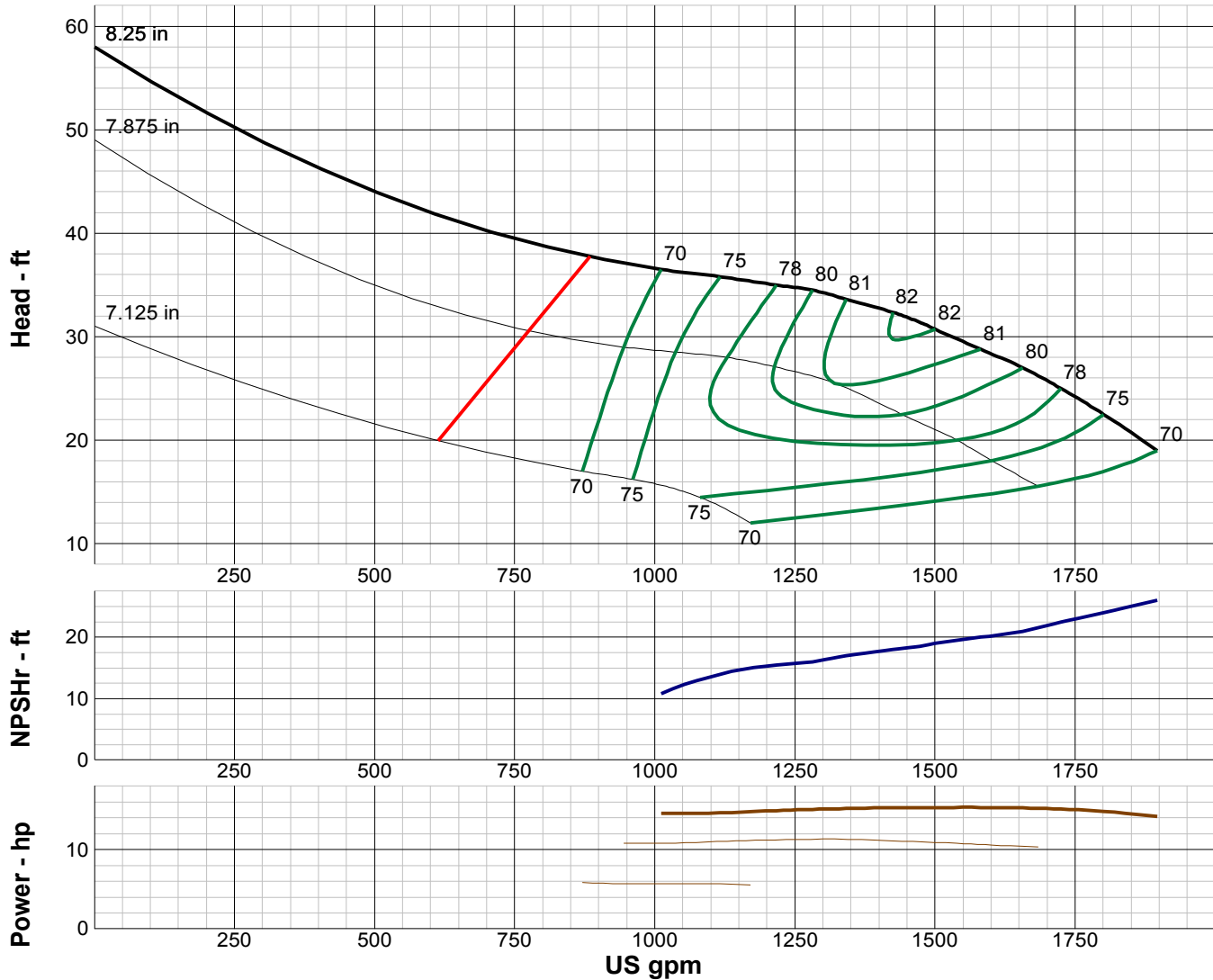
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

10ZC 1750 RPM



IMPELLER DATA

IMPELLER NUMBER	3862	Minimum submergence above eye of bottom impeller: 30 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=13.60	
EYE AREA	26.7 SQ. IN.	
WEIGHT	9.75 LB.	

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4	5
CHANGE AS FOLLOWS:	-6	-5	-3	-1	0
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-2
BOWL MATERIAL:	-2	-2	-1	-3

FLANGED BOWL DATA

BOWL NUMBER	3864
BOWL MAX. DIAMETER	9.875 IN.
BOWL MIN. DIAMETER	9.500 IN.
MAX. NO. STAGES	26
ONE STAGE WEIGHT	250 LB.
ADD STAGE WEIGHT	60 LB.
STD. SHAFT DIA.	1.688 IN.
STD. LATERAL	0.500 IN.
DISCHARGE SIZE	6 - 8 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	6 - 8 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	1.438 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.



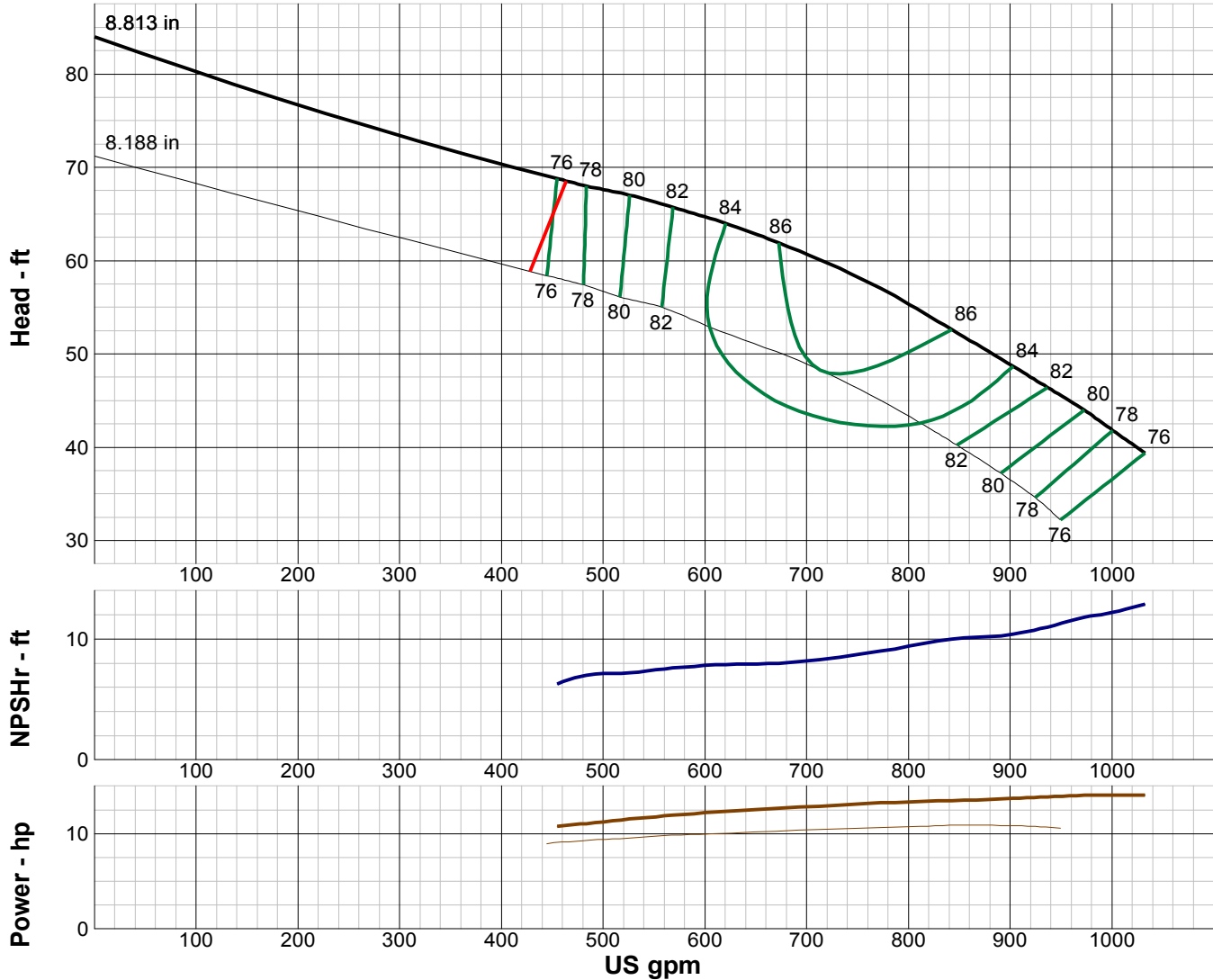
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

11LC 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	0183	Minimum submergence above eye of bottom impeller: 24 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=7.90	
EYE AREA	17.7 SQ. IN.	
WEIGHT	15.40 LB.	

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-3	-2	-1	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-2
BOWL MATERIAL:	-2	-1	-1	-2

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.
STD. LATERAL	0.750 IN.
DISCHARGE SIZE	8 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	8 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.500 IN.
MAX. OPERATIONAL P.S.I.	585 (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.



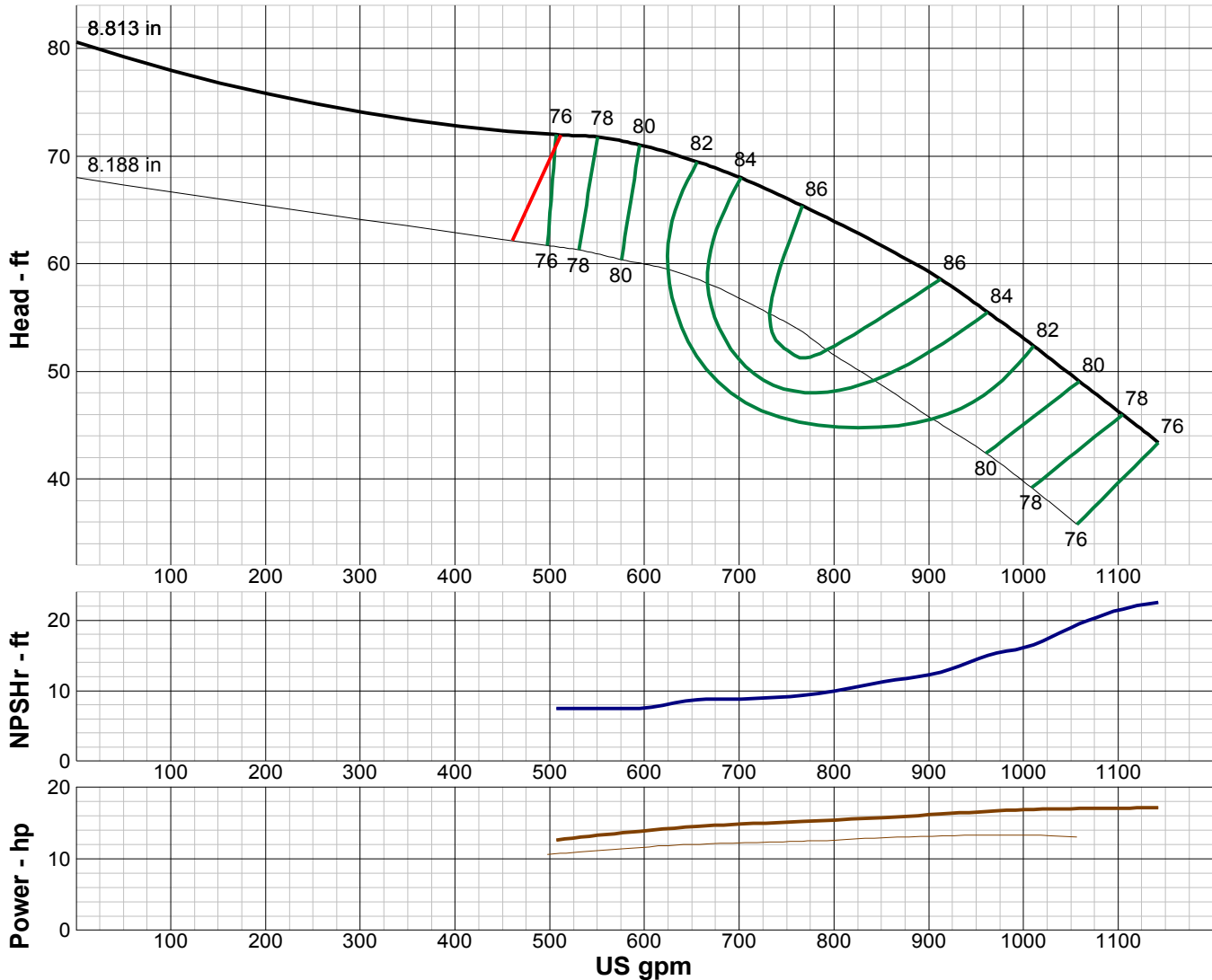
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

11MC 1750 RPM



IMPELLER DATA

IMPELLER NUMBER	0184	Minimum submergence above eye of bottom impeller: 24 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=7.80	
EYE AREA	17.7 SQ. IN.	
WEIGHT	15.50 LB.	

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4
CHANGE AS FOLLOWS:	-3	-2	-1	0
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.				

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-2
BOWL MATERIAL:	-2	-1	-1	-2

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.
STD. LATERAL	0.750 IN.
DISCHARGE SIZE	8 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	8 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.500 IN.
MAX. OPERATIONAL P.S.I.	585 (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.



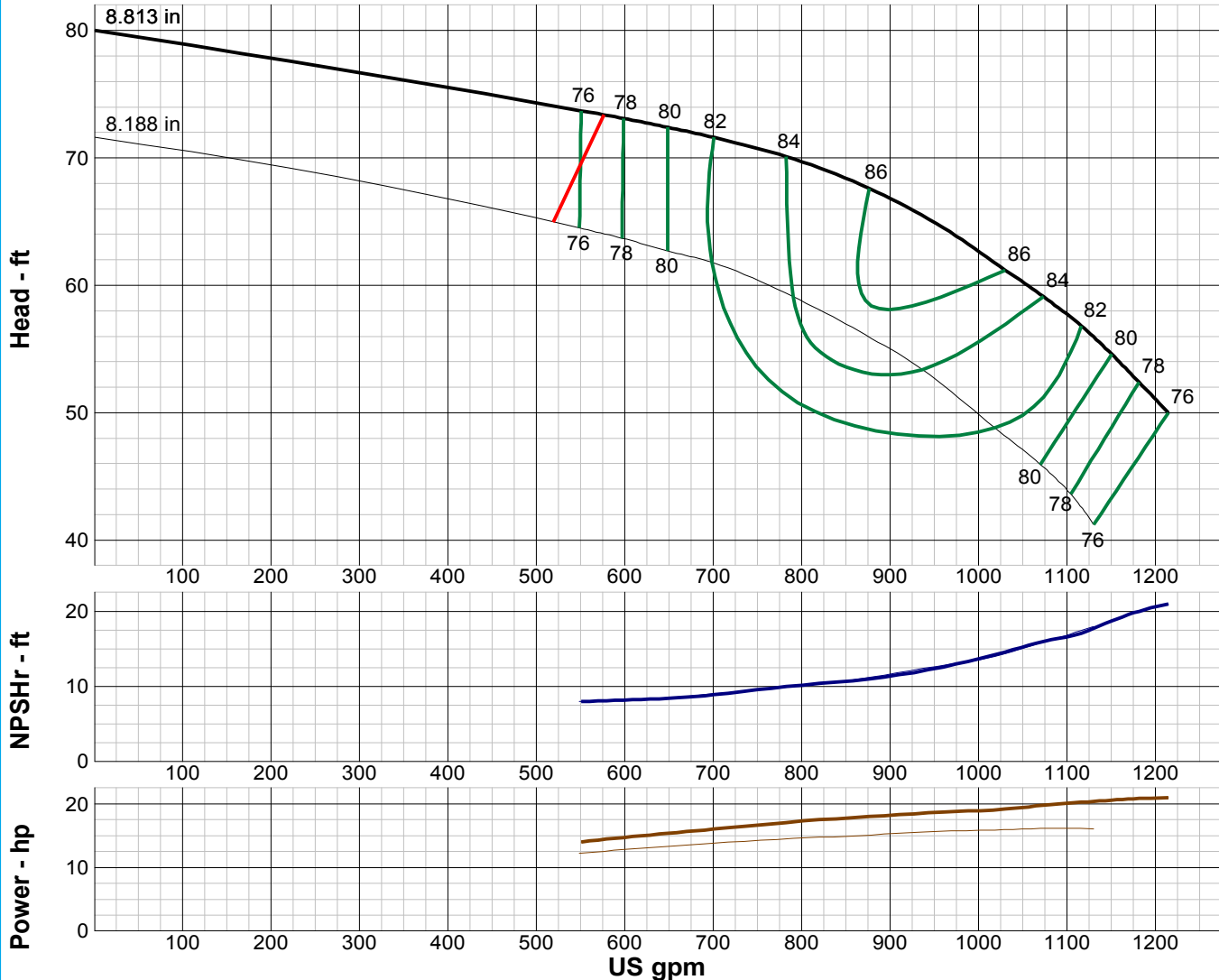
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

11HC 1750 RPM



IMPELLER DATA

IMPELLER NUMBER	0185	Minimum submergence above eye of bottom impeller: 24 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=7.40	
EYE AREA	17.7 SQ. IN.	
WEIGHT	15.50 LB.	

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4
CHANGE AS FOLLOWS:	-3	-2	-1	0
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.				

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-2
BOWL MATERIAL:	-2	-1	-1	-2

FLANGED BOWL DATA

BOWL NUMBER	0201
BOWL MAX. DIAMETER	11.188 IN.
BOWL MIN. DIAMETER	11.000 IN.
MAX. NO. STAGES	20
ONE STAGE WEIGHT	235 LB.
ADD STAGE WEIGHT	105 LB.
STD. SHAFT DIA.	1.688 IN.
STD. LATERAL	0.750 IN.
DISCHARGE SIZE	8 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	8 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.500 IN.
MAX. OPERATIONAL P.S.I.	585 (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.



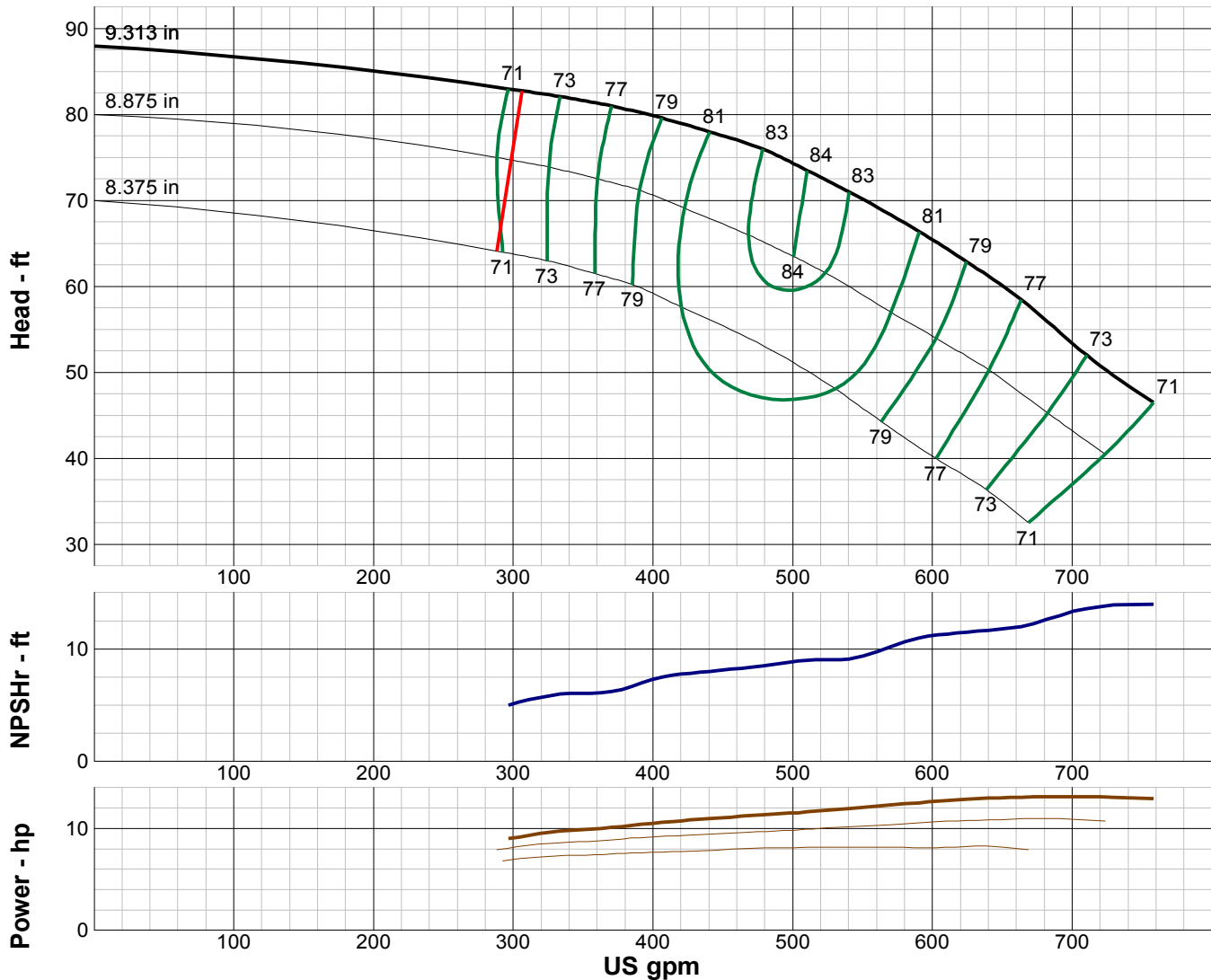
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

12DC 1750 RPM



IMPELLER DATA

IMPELLER NUMBER	2995	Minimum submergence above eye of bottom impeller: 24 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=5.13	
EYE AREA	15.9 SQ. IN.	
WEIGHT	14.25 LB.	

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3		
CHANGE AS FOLLOWS:	-2	-1	0		
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-1	-2	-3

FLANGED BOWL DATA

BOWL NUMBER	2993
BOWL MAX. DIAMETER	11.688 IN.
BOWL MIN. DIAMETER	11.563 IN.
MAX. NO. STAGES	19
ONE STAGE WEIGHT	340 LB.
ADD STAGE WEIGHT	100 LB.
STD. SHAFT DIA.	1.688 IN.
STD. LATERAL	0.625 IN.
DISCHARGE SIZE	6 - 8 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	6 - 8 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.625 IN.
MAX. OPERATIONAL P.S.I.	585 (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.



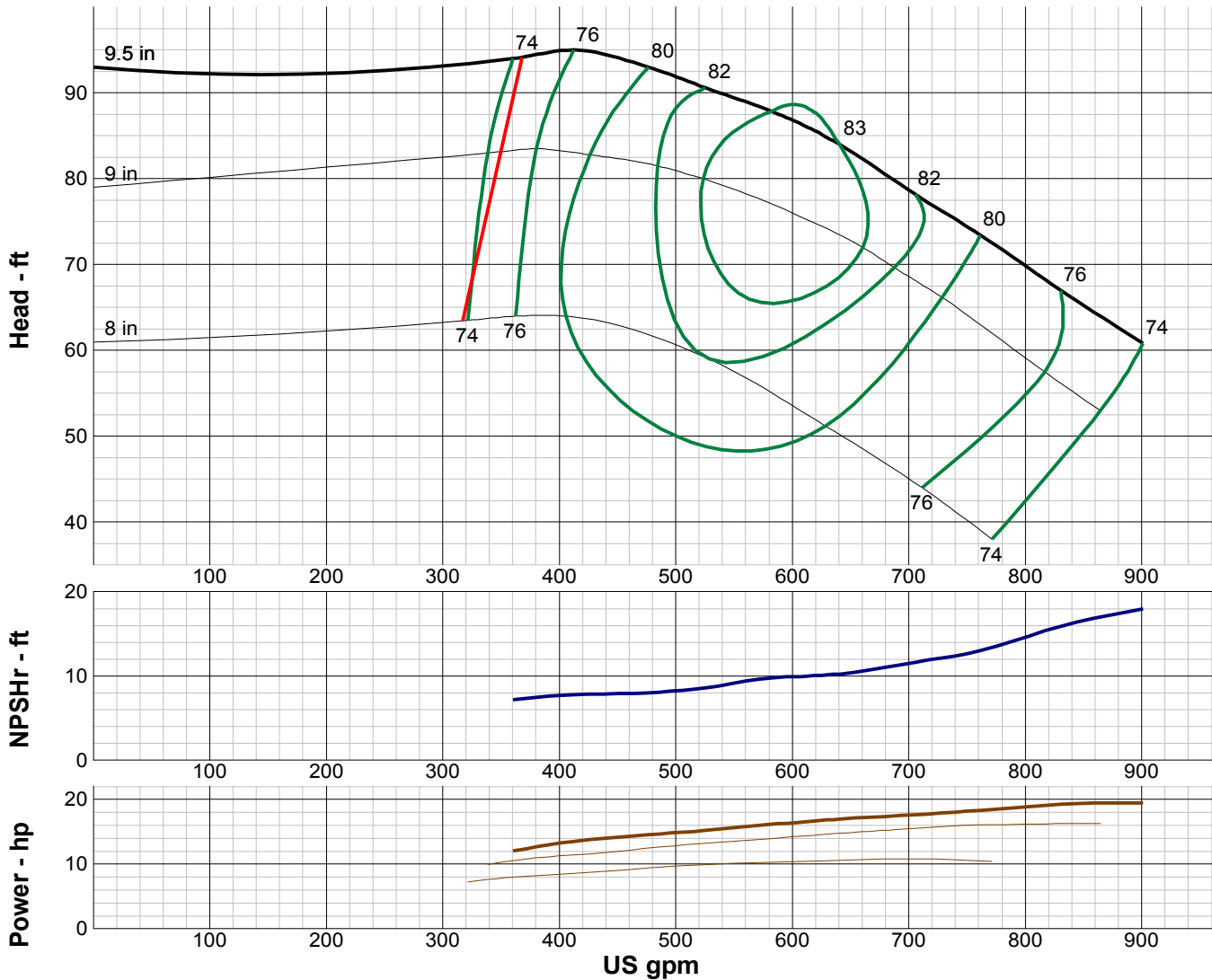
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

12JC 1750 RPM



IMPELLER DATA

IMPELLER NUMBER	2990	Minimum submergence above eye of bottom impeller: 24 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=6.60	
EYE AREA	15.9 SQ. IN.	
WEIGHT	14.50 LB.	

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4
CHANGE AS FOLLOWS:	-3	-2	-1	0
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.				

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-1	-2	-3

FLANGED BOWL DATA

BOWL NUMBER	2993
BOWL MAX. DIAMETER	11.688 IN.
BOWL MIN. DIAMETER	11.563 IN.
MAX. NO. STAGES	19
ONE STAGE WEIGHT	340 LB.
ADD STAGE WEIGHT	100 LB.
STD. SHAFT DIA.	1.688 IN.
STD. LATERAL	0.625 IN.
DISCHARGE SIZE	6 - 8 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	6 - 8 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.500 IN.
MAX. OPERATIONAL P.S.I.	585 (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.



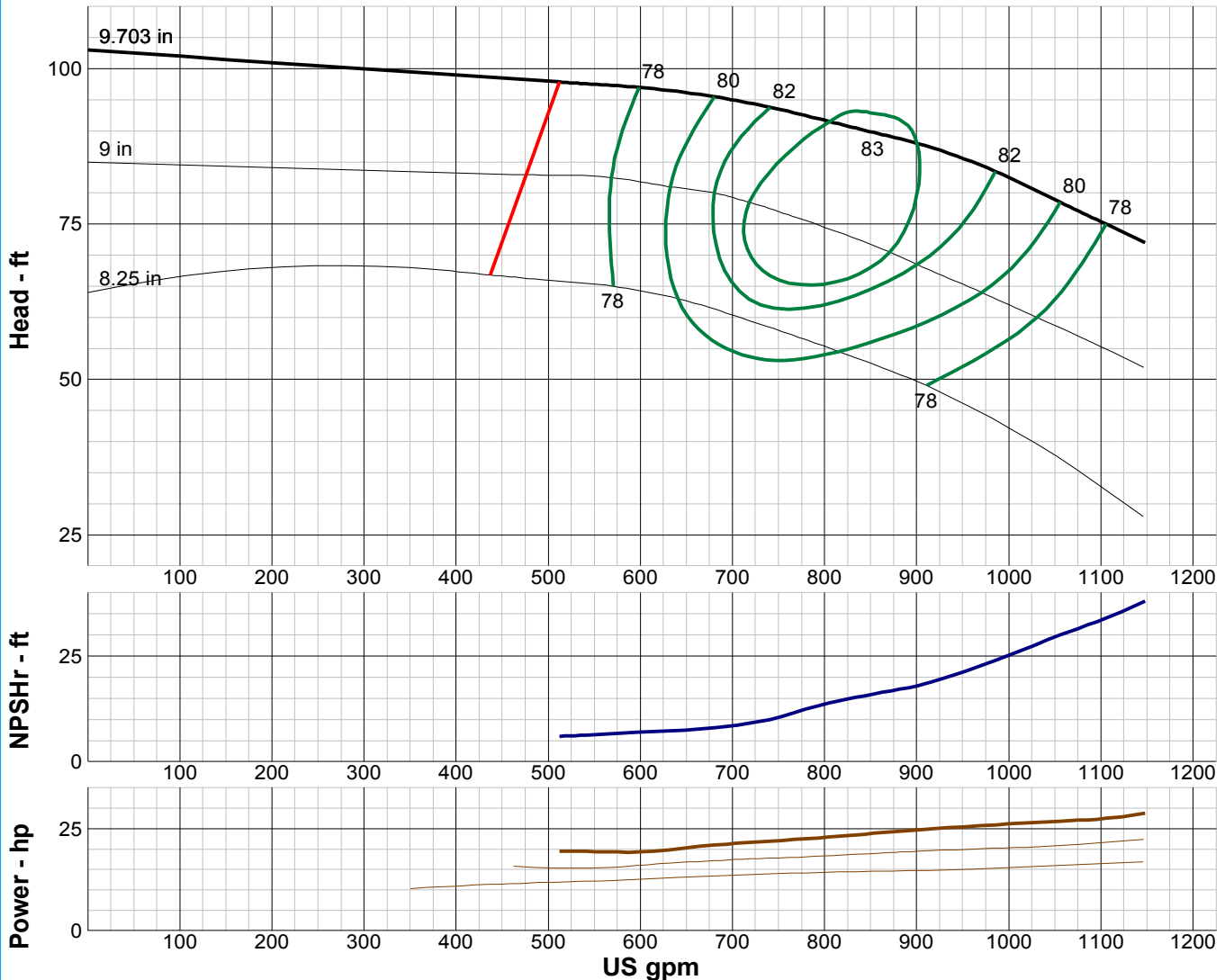
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

12NC 1750 RPM



IMPELLER DATA

IMPELLER NUMBER	0704	Minimum submergence above eye of bottom impeller: 30 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=4.40	
EYE AREA	14.1 SQ. IN.	
WEIGHT	12.50 LB.	

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3		
CHANGE AS FOLLOWS:	-2	-1	0		
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-1	-2	-3

FLANGED BOWL DATA

BOWL NUMBER	0902
BOWL MAX. DIAMETER	12.188 IN.
BOWL MIN. DIAMETER	11.750 IN.
MAX. NO. STAGES	13
ONE STAGE WEIGHT	245 LB.
ADD STAGE WEIGHT	102 LB.
STD. SHAFT DIA.	1.688 IN.
STD. LATERAL	0.625 IN.
DISCHARGE SIZE	8 - 10 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	8 - 10 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.750 IN.
MAX. OPERATIONAL P.S.I.	515 (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.



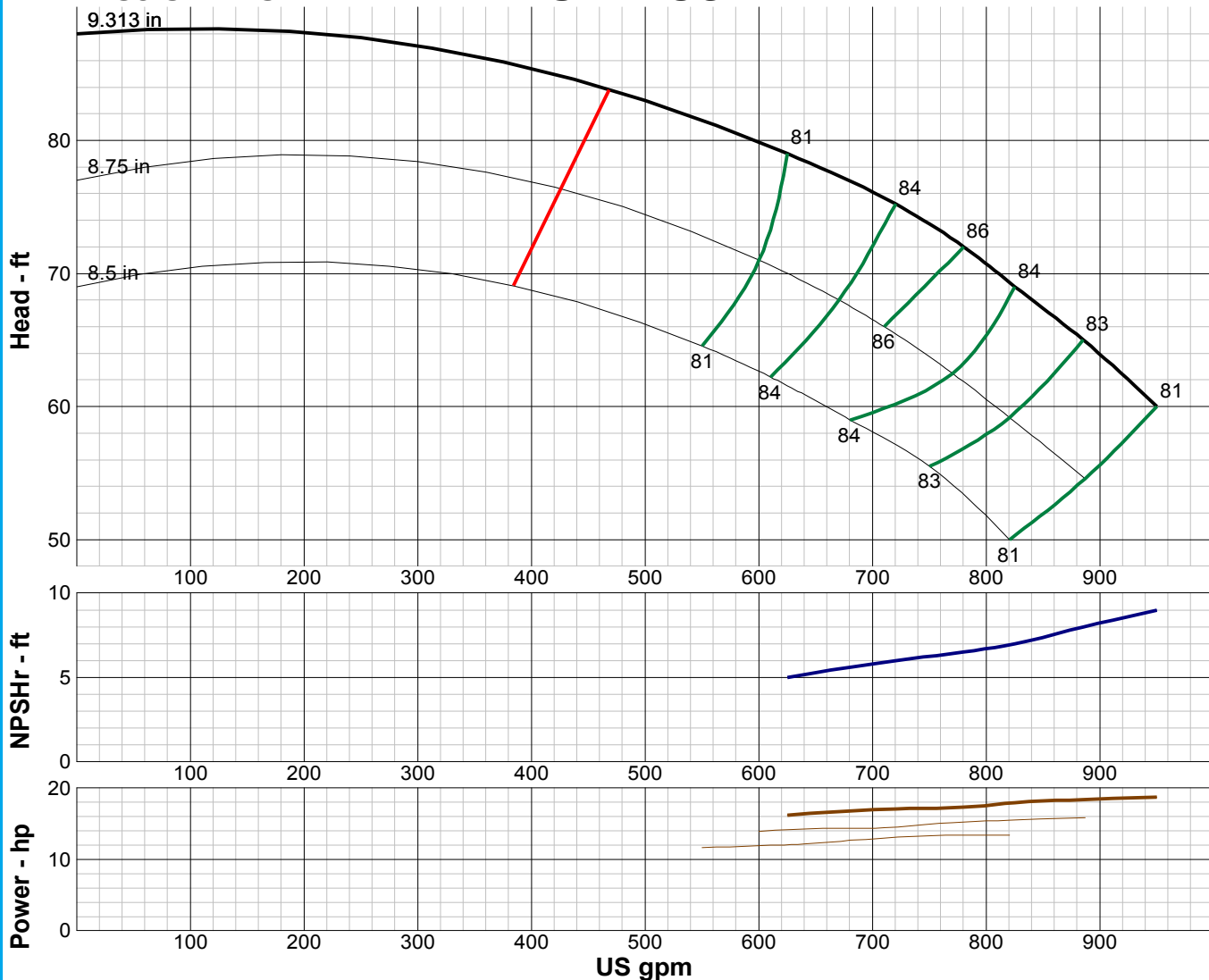
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

121C 1750 RPM



IMPELLER DATA

IMPELLER NUMBER	2996	Minimum submergence above eye of bottom impeller: 30 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=6.75	
EYE AREA	18.1 SQ. IN.	
WEIGHT	15.00 LB.	

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4	5
CHANGE AS FOLLOWS:	-4	-3	-2	-1	0
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-1	-2	-3

FLANGED BOWL DATA

BOWL NUMBER	2994
BOWL MAX. DIAMETER	12.000 IN.
BOWL MIN. DIAMETER	11.500 IN.
MAX. NO. STAGES	19
ONE STAGE WEIGHT	340 LB.
ADD STAGE WEIGHT	100 LB.
STD. SHAFT DIA.	1.688 IN.
STD. LATERAL	0.625 IN.
DISCHARGE SIZE	8 - 10 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	8 - 10 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.625 IN.
MAX. OPERATIONAL P.S.I.	585 (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.



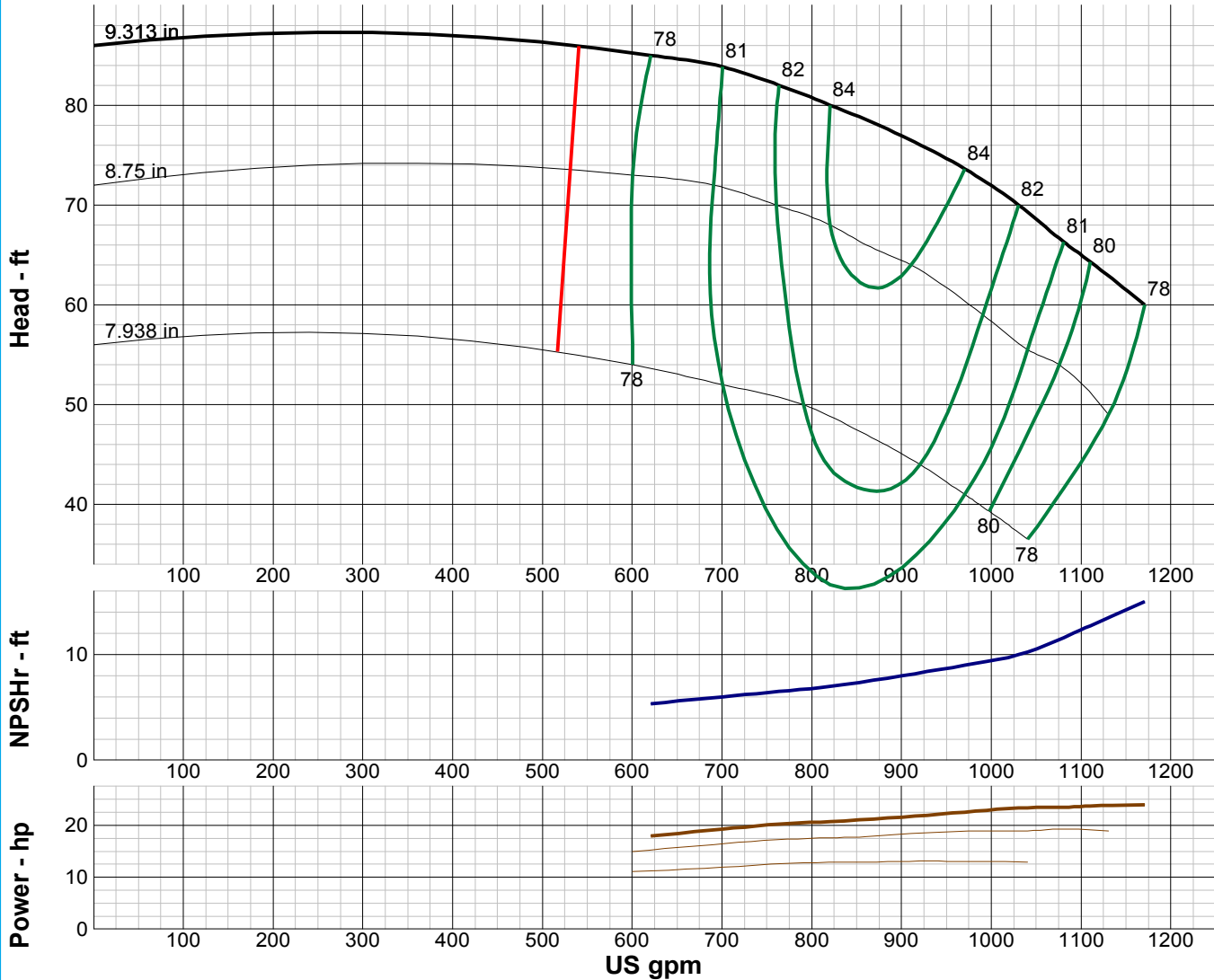
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

12KC 1750 RPM



IMPELLER DATA

IMPELLER NUMBER	2991	Minimum submergence above eye of bottom impeller: 30 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=6.50	
EYE AREA	18.1 SQ. IN.	
WEIGHT	16.00 LB.	

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4	5
CHANGE AS FOLLOWS:	-4	-3	-2	-1	0
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-1	-2	-3

FLANGED BOWL DATA

BOWL NUMBER	2994
BOWL MAX. DIAMETER	12.000 IN.
BOWL MIN. DIAMETER	11.500 IN.
MAX. NO. STAGES	19
ONE STAGE WEIGHT	340 LB.
ADD STAGE WEIGHT	100 LB.
STD. SHAFT DIA.	1.688 IN.
STD. LATERAL	0.625 IN.
DISCHARGE SIZE	8 - 10 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	8 - 10 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.625 IN.
MAX. OPERATIONAL P.S.I.	584 (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.



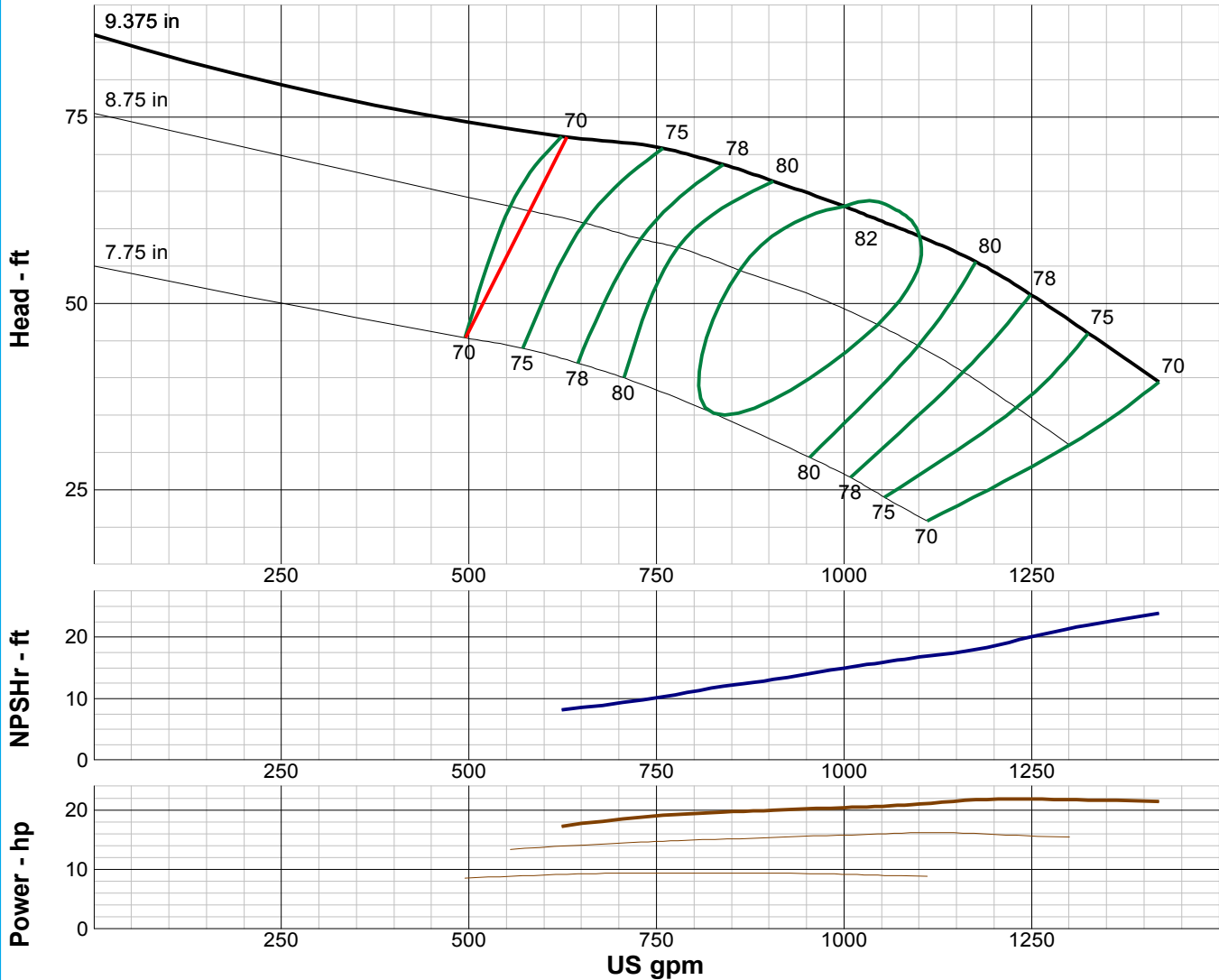
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

12LC 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	3778	Minimum submergence above eye of bottom impeller: 28 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=10.60	
EYE AREA	20.1 SQ. IN.	
WEIGHT	15.50 LB.	

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-4	-2	-1	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-1	-2	-3

FLANGED BOWL DATA	
BOWL NUMBER	2952
BOWL MAX. DIAMETER	11.563 IN.
BOWL MIN. DIAMETER	11.250 IN.
MAX. NO. STAGES	19
ONE STAGE WEIGHT	340 LB.
ADD STAGE WEIGHT	100 LB.
STD. SHAFT DIA.	1.688 IN.
STD. LATERAL	0.875 IN.
DISCHARGE SIZE	8 - 10 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	8 - 10 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.625 IN.
MAX. OPERATIONAL P.S.I.	584 (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.



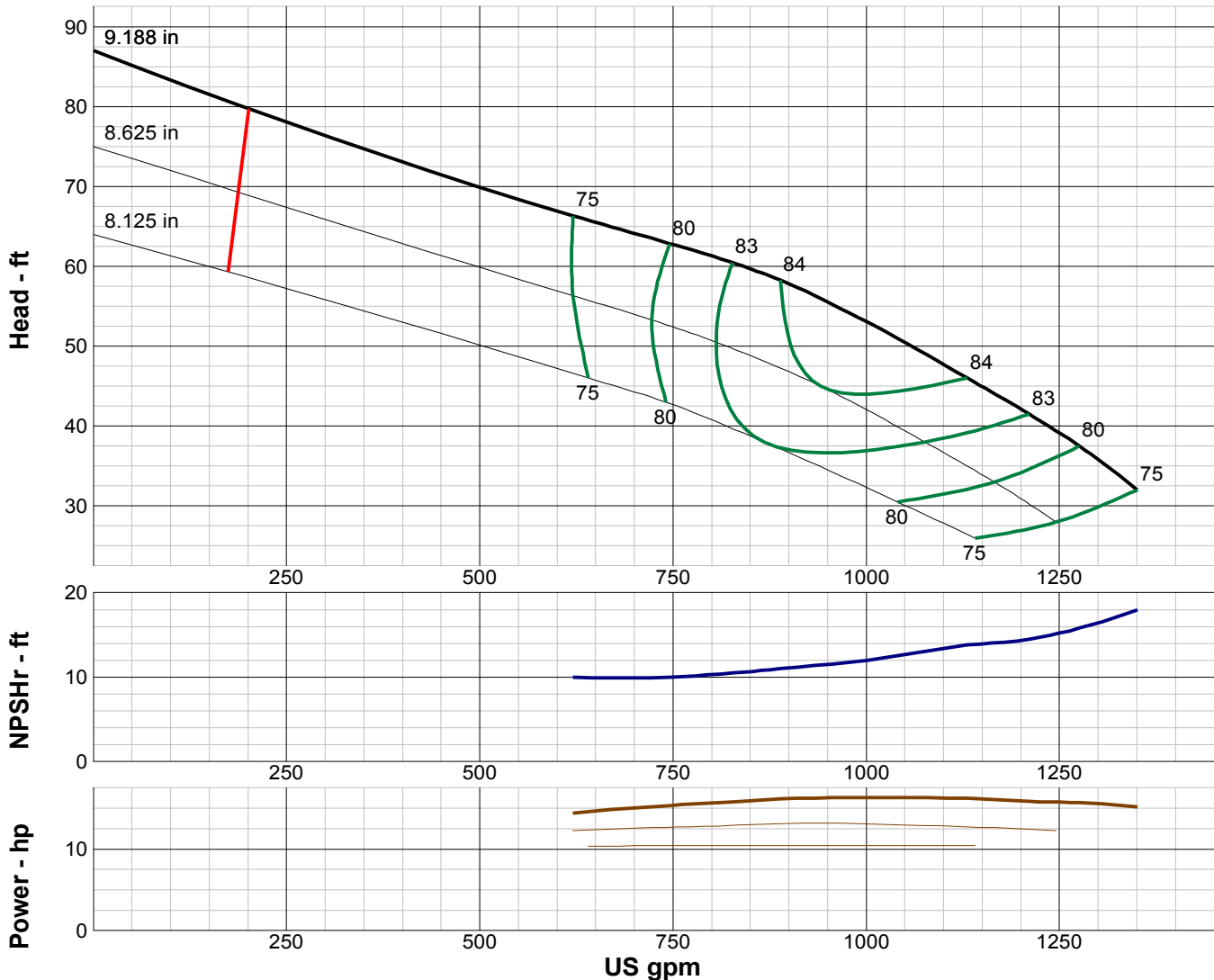
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

12LCR 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	0256	Minimum submergence above eye of bottom impeller: 22 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=9.4	
EYE AREA	25.5 SQ. IN.	
WEIGHT	LB.	

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-3	-2	-1	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-1	-2	-3

FLANGED BOWL DATA	
BOWL NUMBER	0255
BOWL MAX. DIAMETER	11.438 IN.
BOWL MIN. DIAMETER	11.250 IN.
MAX. NO. STAGES	10
ONE STAGE WEIGHT	410 LB.
ADD STAGE WEIGHT	145 LB.
STD. SHAFT DIA.	1.938 IN.
STD. LATERAL	0.813 IN.
DISCHARGE SIZE	8 - 10 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	8 - 10 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.750 IN.
MAX. OPERATIONAL P.S.I.	584 (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.



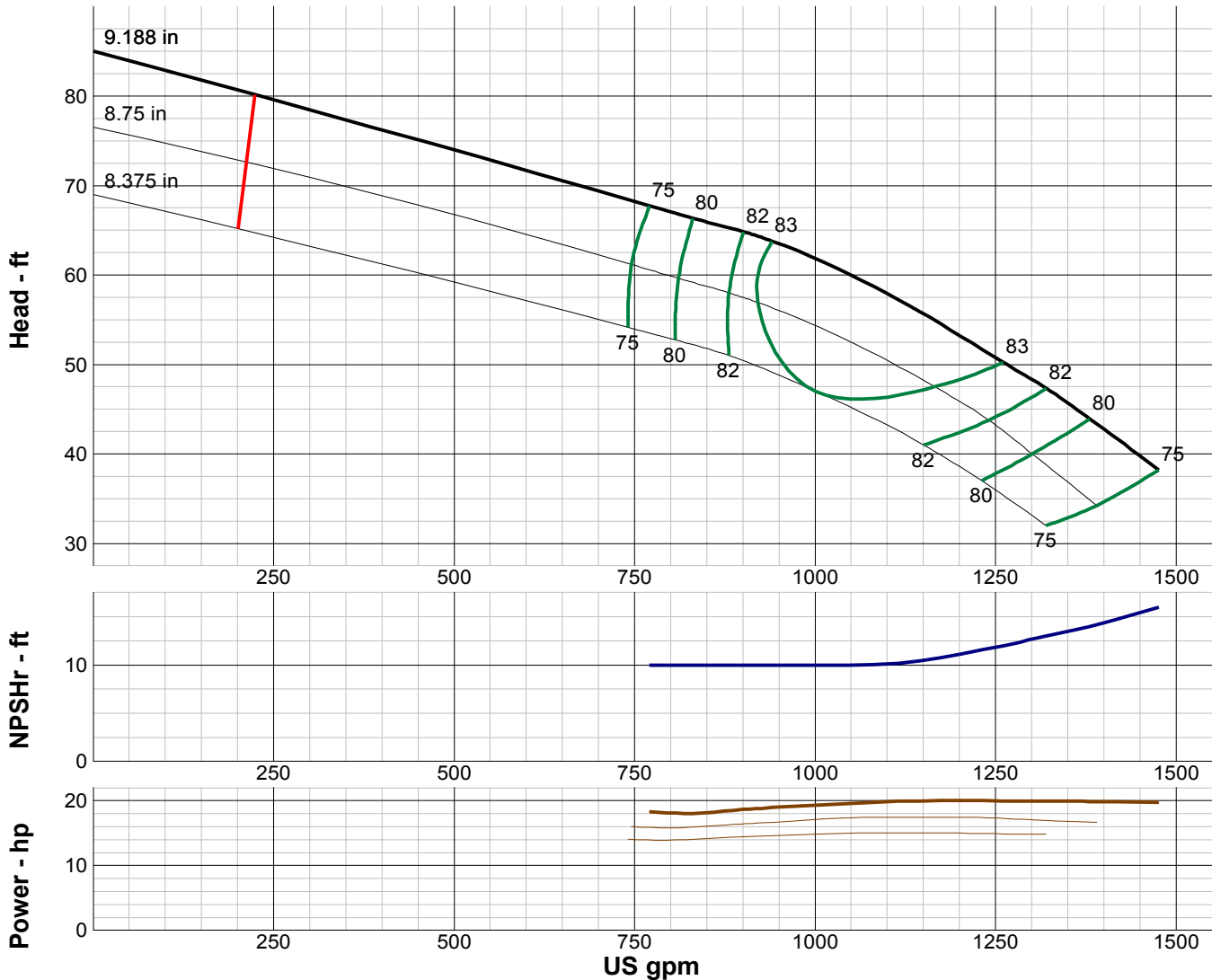
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

12MCR 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	0256	Minimum submergence above eye of bottom impeller: 24 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=9.4	
EYE AREA	23.2 SQ. IN.	
WEIGHT	19.00 LB.	

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-3	-2	-1	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-1	-2	-3

FLANGED BOWL DATA	
BOWL NUMBER	0255
BOWL MAX. DIAMETER	11.438 IN.
BOWL MIN. DIAMETER	11.250 IN.
MAX. NO. STAGES	10
ONE STAGE WEIGHT	410 LB.
ADD STAGE WEIGHT	145 LB.
STD. SHAFT DIA.	1.938 IN.
STD. LATERAL	0.813 IN.
DISCHARGE SIZE	8 - 10 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	8 - 10 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.750 IN.
MAX. OPERATIONAL P.S.I.	584 (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.



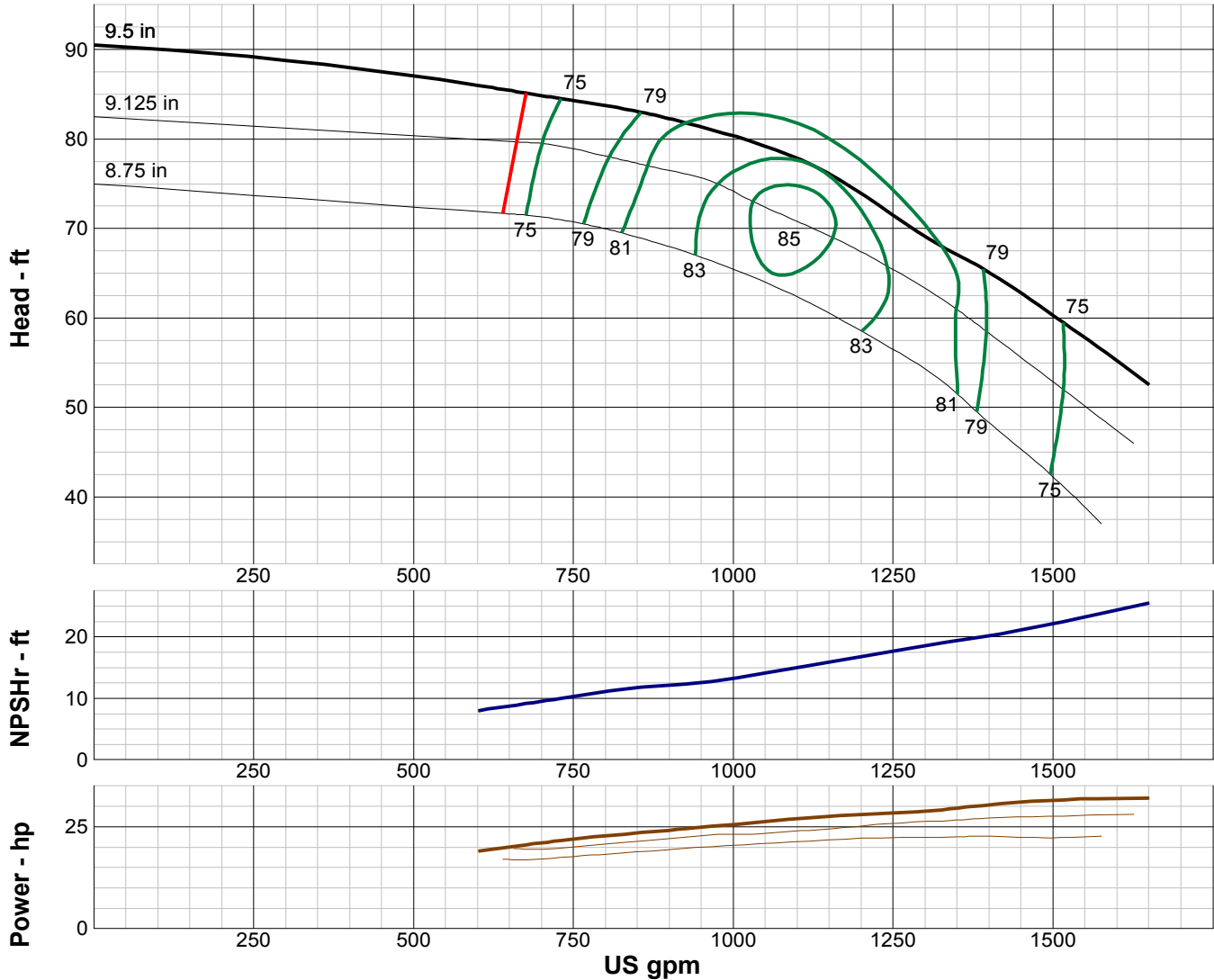
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

12GC 1750 RPM



IMPELLER DATA

IMPELLER NUMBER	3850	Minimum submergence above eye of bottom impeller: 28 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=5.10	
EYE AREA	20.1 SQ. IN.	
WEIGHT	17.50 LB.	

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4
CHANGE AS FOLLOWS:	-3	-2	-1	0

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-1	-2	-3

FLANGED BOWL DATA

BOWL NUMBER	3841
BOWL MAX. DIAMETER	11.938 IN.
BOWL MIN. DIAMETER	11.750 IN.
MAX. NO. STAGES	12
ONE STAGE WEIGHT	265 LB.
ADD STAGE WEIGHT	126 LB.
STD. SHAFT DIA.	1.688 IN.
STD. LATERAL	1.000 IN.
DISCHARGE SIZE	8 - 10 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	8 - 10 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.625 IN.
MAX. OPERATIONAL P.S.I.	584 (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.



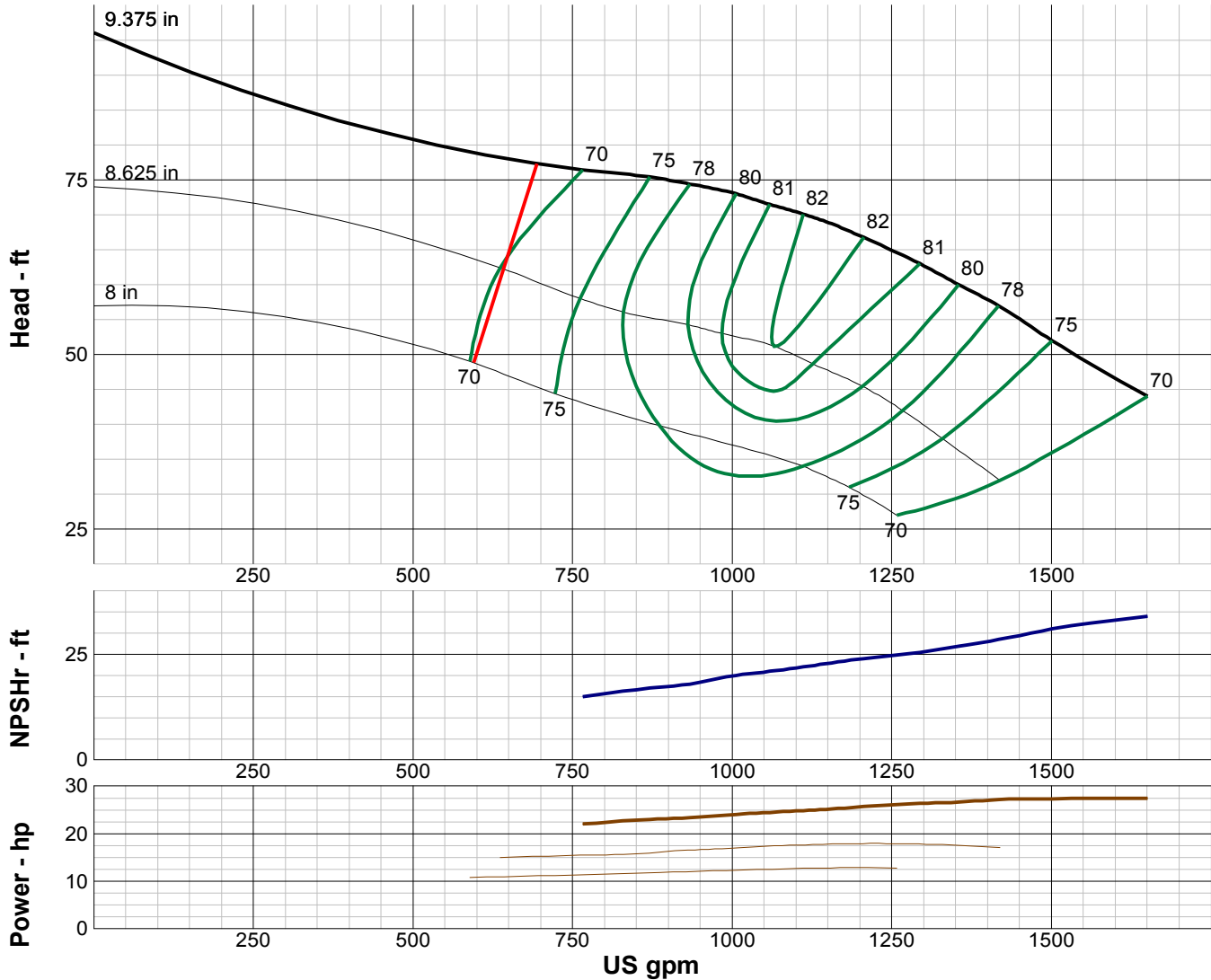
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

12MC 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	2951	Minimum submergence above eye of bottom impeller: 24 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=10.60	
EYE AREA	20.1 SQ. IN.	
WEIGHT	15.00 LB.	

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-3	-2	-1	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-1	-2	-3

FLANGED BOWL DATA	
BOWL NUMBER	2952
BOWL MAX. DIAMETER	12.563 IN.
BOWL MIN. DIAMETER	11.250 IN.
MAX. NO. STAGES	14
ONE STAGE WEIGHT	340 LB.
ADD STAGE WEIGHT	100 LB.
STD. SHAFT DIA.	1.688 IN.
STD. LATERAL	0.750 IN.
DISCHARGE SIZE	8 - 10 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	8 - 10 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.625 IN.
MAX. OPERATIONAL P.S.I.	584 (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.



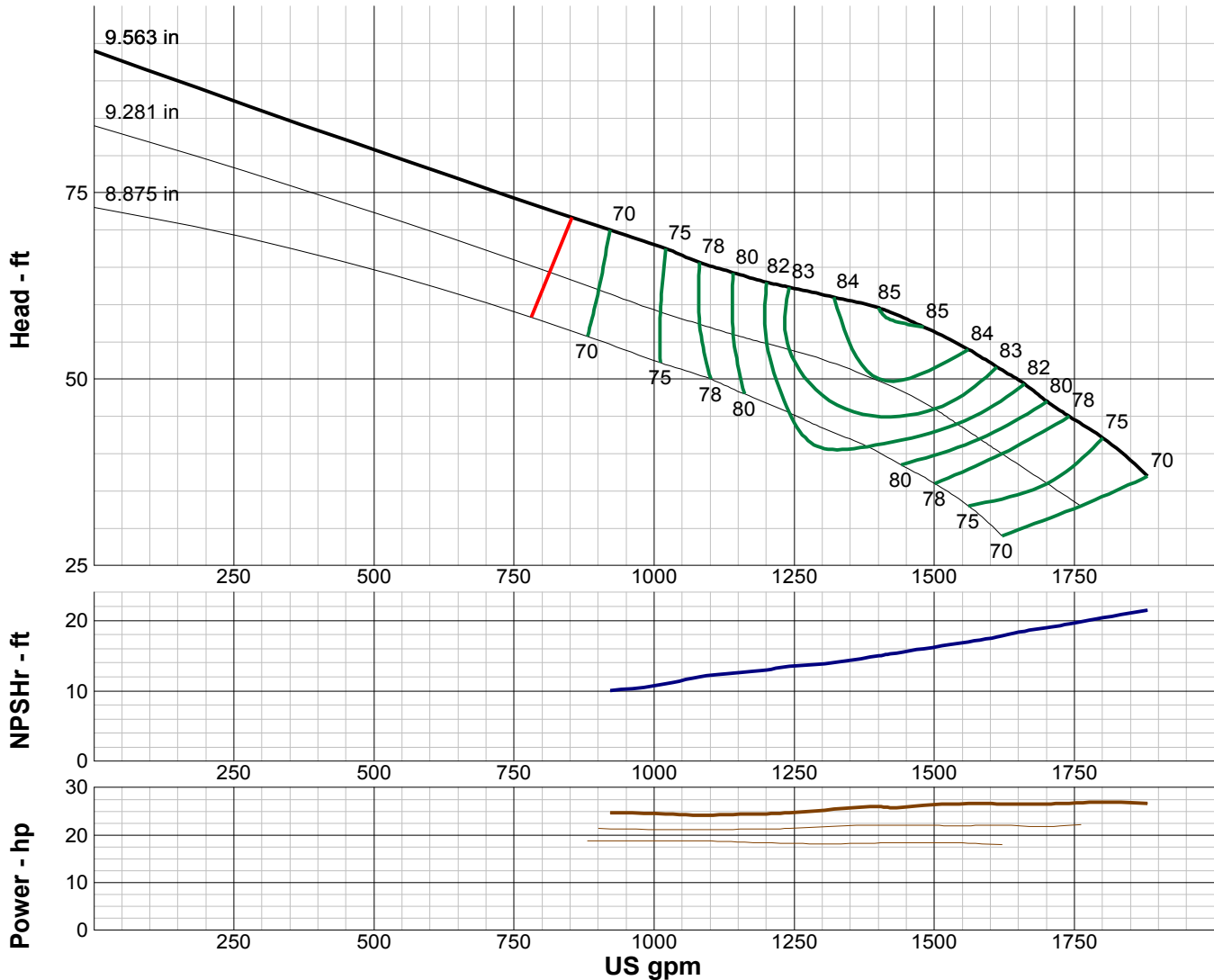
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

12HC 1750 RPM



IMPELLER DATA

IMPELLER NUMBER	2914	Minimum submergence above eye of bottom impeller: 26 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=16.50	
EYE AREA	32.4 SQ. IN.	
WEIGHT	11.50 LB.	

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4
CHANGE AS FOLLOWS:	-4	-2	-1	0

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-1	-2	-3

FLANGED BOWL DATA

BOWL NUMBER	2915
BOWL MAX. DIAMETER	11.563 IN.
BOWL MIN. DIAMETER	11.250 IN.
MAX. NO. STAGES	15
ONE STAGE WEIGHT	340 LB.
ADD STAGE WEIGHT	100 LB.
STD. SHAFT DIA.	1.688 IN.
STD. LATERAL	0.750 IN.
DISCHARGE SIZE	8 - 10 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	8 - 10 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.750 IN.
MAX. OPERATIONAL P.S.I.	584 (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.



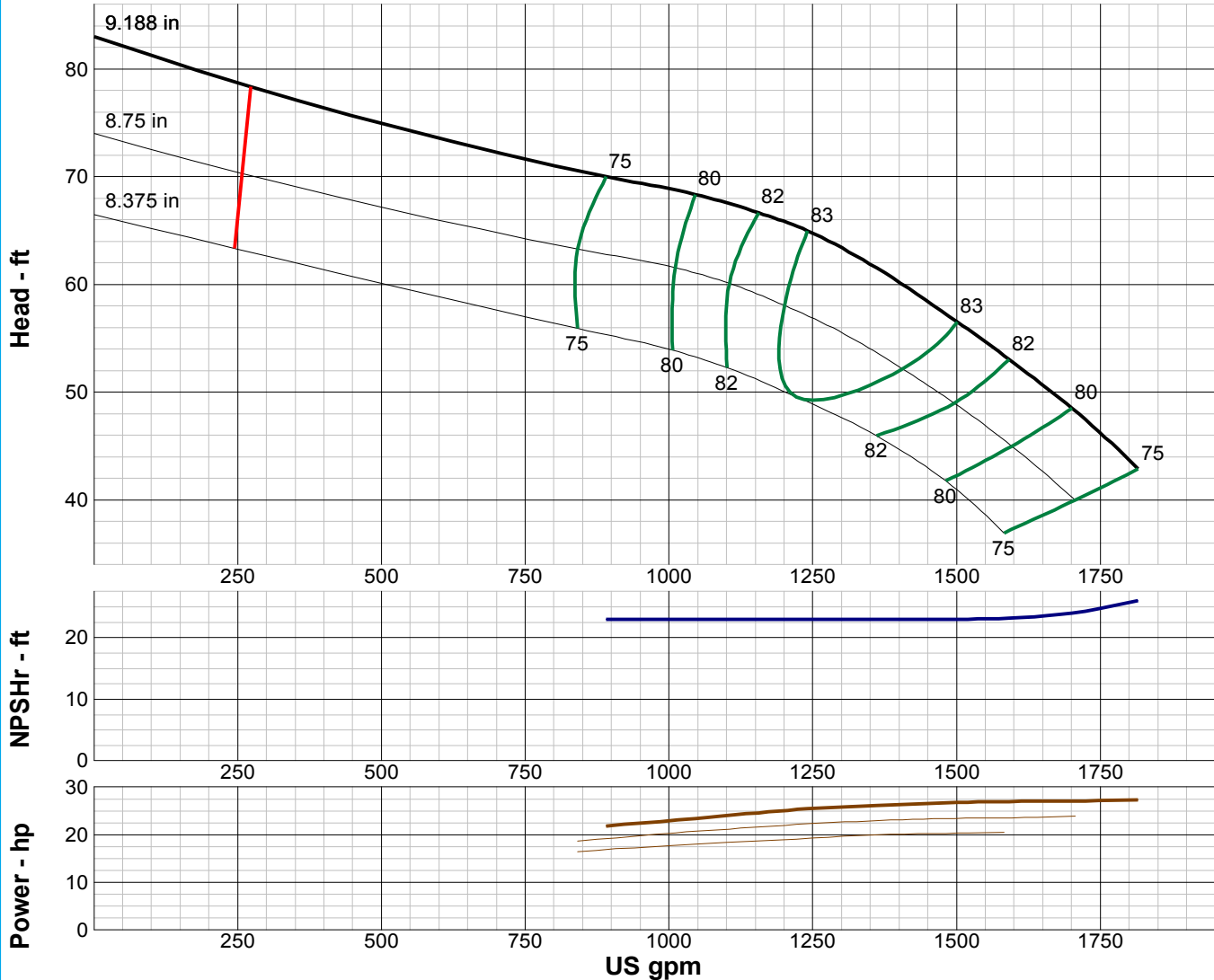
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

12HCR 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	0256	Minimum submergence above eye of bottom impeller: 24 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=23.22	
EYE AREA	SQ. IN.	
WEIGHT	17.00 LB.	

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-3	-2	-1	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-1	-2	-3

FLANGED BOWL DATA	
BOWL NUMBER	0255
BOWL MAX. DIAMETER	11.438 IN.
BOWL MIN. DIAMETER	11.250 IN.
MAX. NO. STAGES	11
ONE STAGE WEIGHT	410 LB.
ADD STAGE WEIGHT	145 LB.
STD. SHAFT DIA.	1.938 IN.
STD. LATERAL	0.813 IN.
DISCHARGE SIZE	8 - 10 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	8 - 10 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.750 IN.
MAX. OPERATIONAL P.S.I.	584 (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.



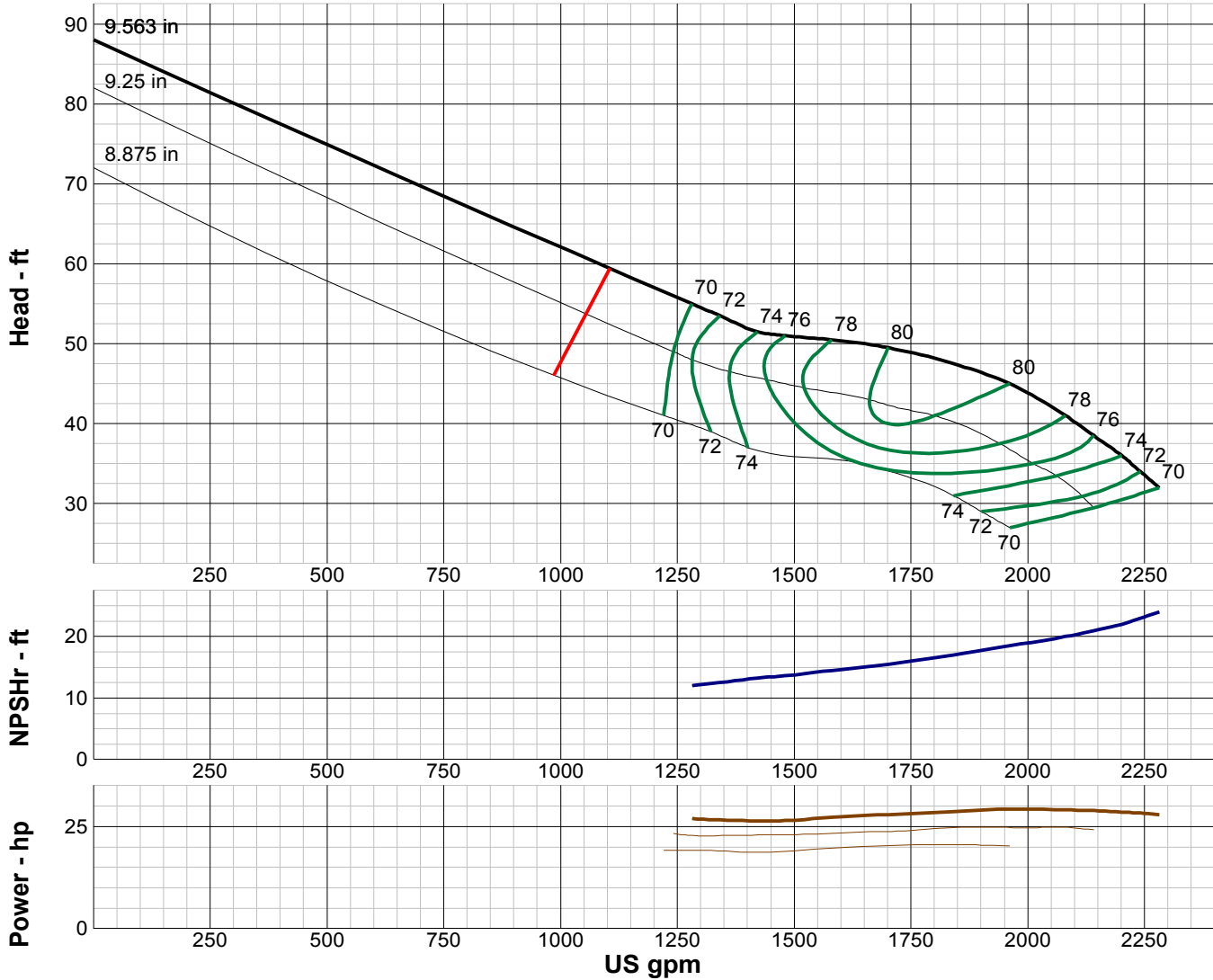
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

12XC 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	3360	Minimum submergence above eye of bottom impeller: 28 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=18.20	
EYE AREA	36.6 SQ. IN.	
WEIGHT	15.25 LB.	

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-4	-2	-1	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-1	-2	-3

FLANGED BOWL DATA	
BOWL NUMBER	3361
BOWL MAX. DIAMETER	11.563 IN.
BOWL MIN. DIAMETER	11.250 IN.
MAX. NO. STAGES	14
ONE STAGE WEIGHT	340 LB.
ADD STAGE WEIGHT	100 LB.
STD. SHAFT DIA.	1.688 IN.
STD. LATERAL	0.875 IN.
DISCHARGE SIZE	8 - 10 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	8 - 10 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	1.000 IN.
MAX. OPERATIONAL P.S.I.	584 (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.



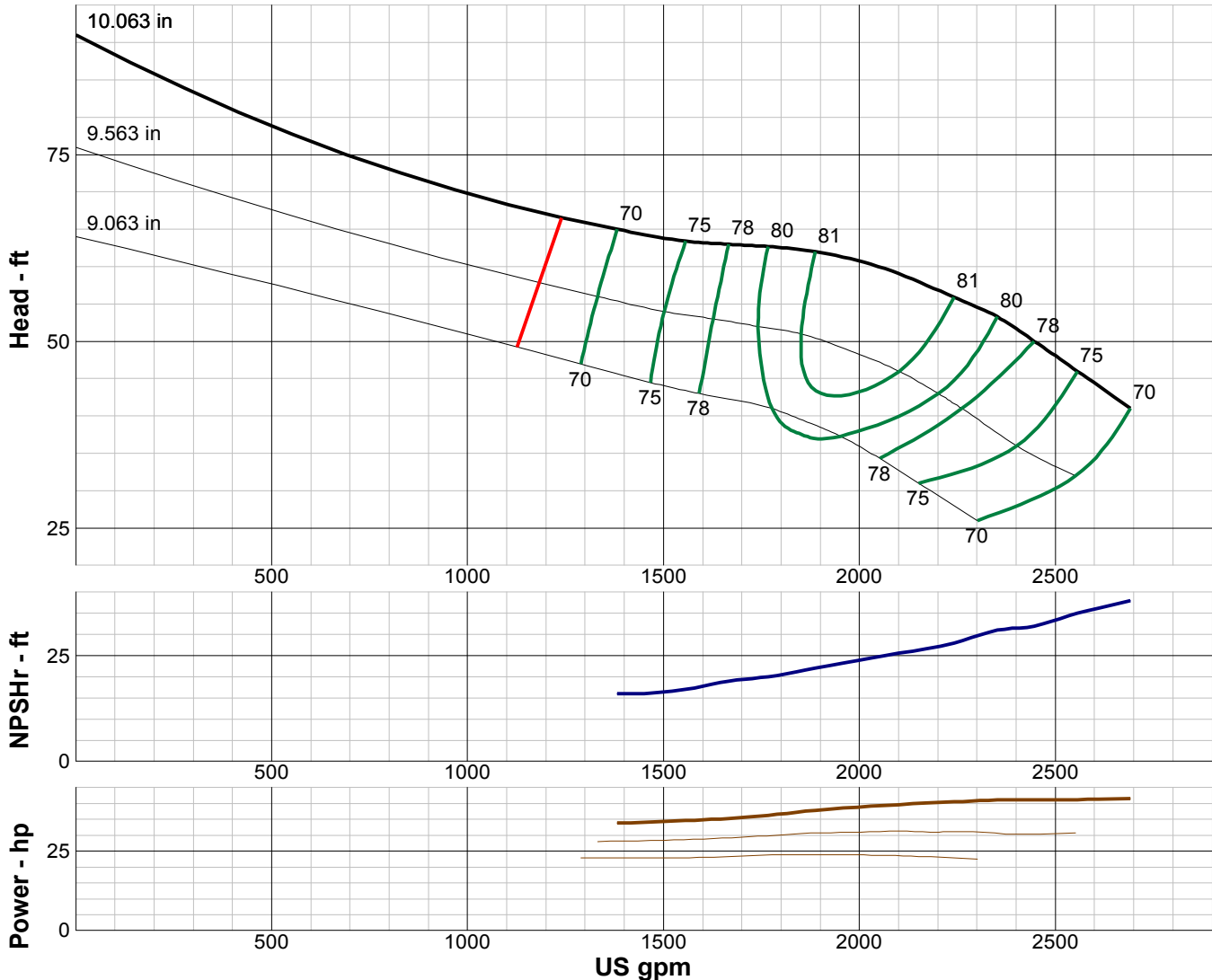
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

12WC 1750 RPM



IMPELLER DATA

IMPELLER NUMBER	4777	Minimum submergence above eye of bottom impeller: 30 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=16.20	
EYE AREA	29.7 SQ. IN.	
WEIGHT	21.00 LB.	

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4
CHANGE AS FOLLOWS:	-3	-2	-1	0
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.				

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-1	-2	-3

FLANGED BOWL DATA

BOWL NUMBER	4771
BOWL MAX. DIAMETER	12.188 IN.
BOWL MIN. DIAMETER	11.750 IN.
MAX. NO. STAGES	10
ONE STAGE WEIGHT	415 LB.
ADD STAGE WEIGHT	140 LB.
STD. SHAFT DIA.	1.688 IN.
STD. LATERAL	0.750 IN.
DISCHARGE SIZE	8 - 10 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	8 - 10 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	1.375 IN.
MAX. OPERATIONAL P.S.I.	584 (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.



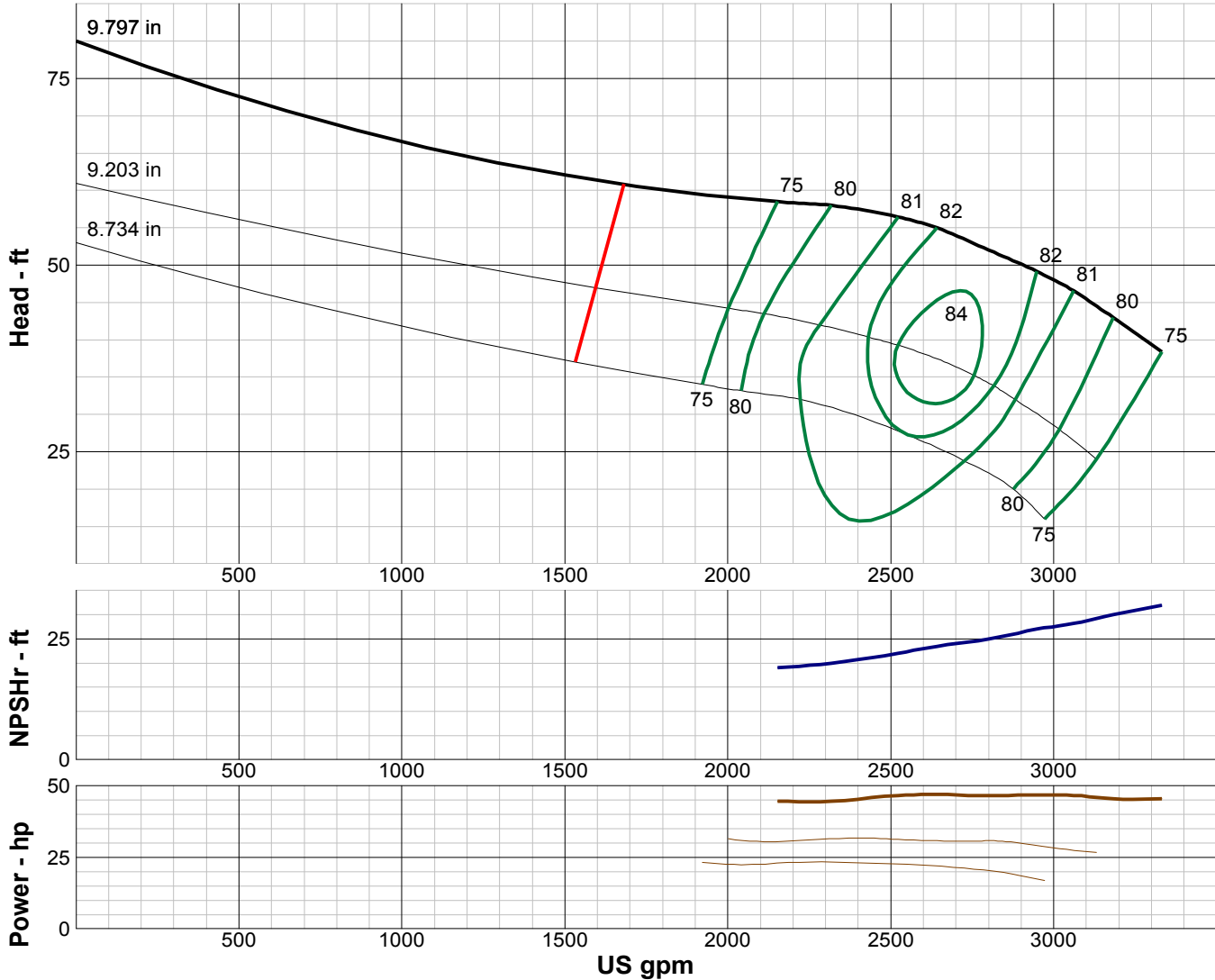
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

12YC 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	4778	Minimum submergence above eye of bottom impeller: 36 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=14.20	
EYE AREA	38.0 SQ. IN.	
WEIGHT	19.00 LB.	

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-4	-2	-1	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-1	-2	-3

FLANGED BOWL DATA	
BOWL NUMBER	4772
BOWL MAX. DIAMETER	12.188 IN.
BOWL MIN. DIAMETER	11.750 IN.
MAX. NO. STAGES	9
ONE STAGE WEIGHT	415 LB.
ADD STAGE WEIGHT	140 LB.
STD. SHAFT DIA.	1.688 IN.
STD. LATERAL	0.875 IN.
DISCHARGE SIZE	8 - 10 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	8 - 10 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	1.500 IN.
MAX. OPERATIONAL P.S.I.	584 (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.



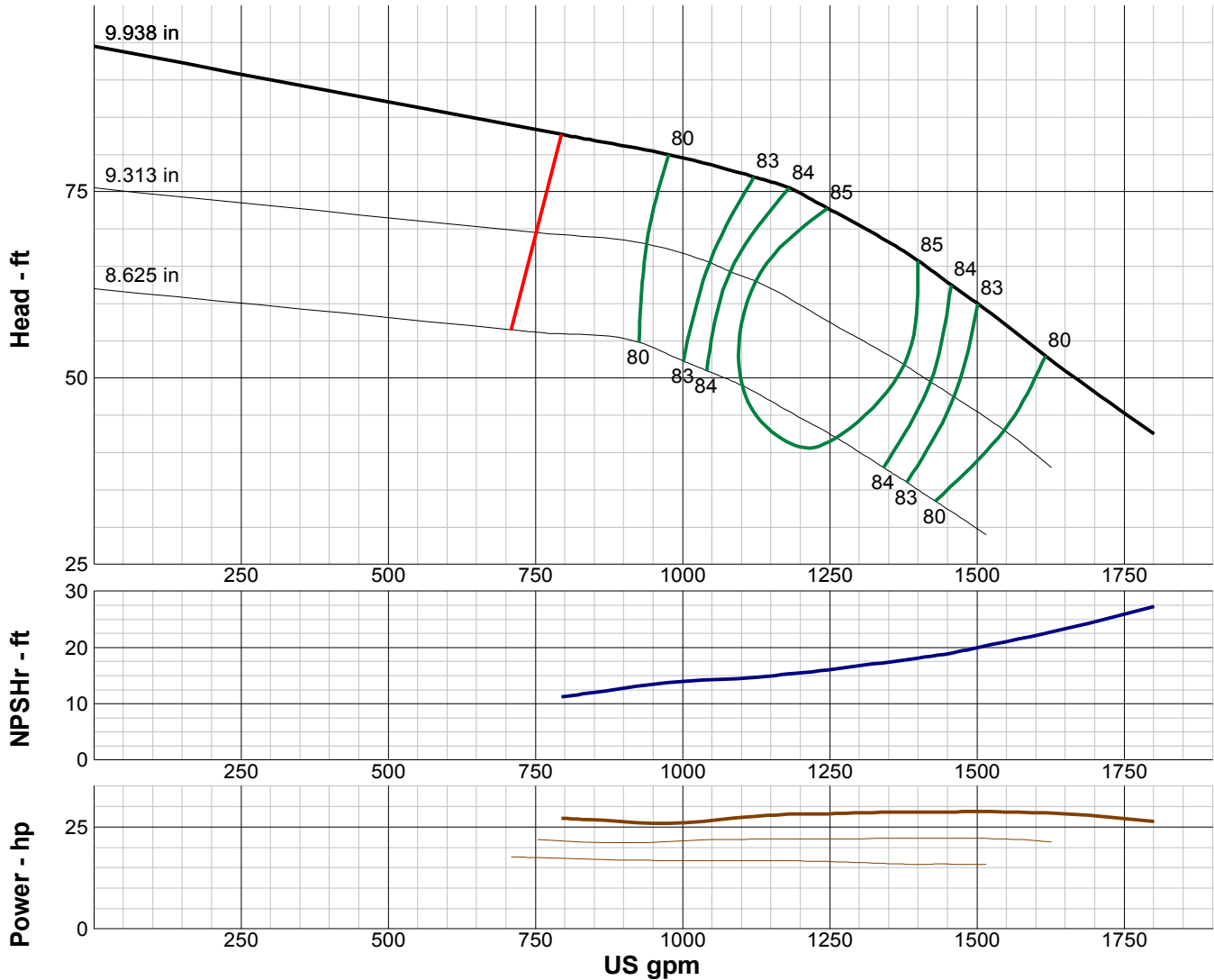
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

13MC 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	2999	Minimum submergence above eye of bottom impeller: 24 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=7.90	
EYE AREA	23.4 SQ. IN.	
WEIGHT	14.70 LB.	

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	5
CHANGE AS FOLLOWS:	-4	-3	-2	-1	0
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-1	-3

FLANGED BOWL DATA	
BOWL NUMBER	2998
BOWL MAX. DIAMETER	12.500 IN.
BOWL MIN. DIAMETER	12.125 IN.
MAX. NO. STAGES	14
ONE STAGE WEIGHT	240 LB.
ADD STAGE WEIGHT	115 LB.
STD. SHAFT DIA.	1.688 IN.
STD. LATERAL	0.813 IN.
DISCHARGE SIZE	8 - 10 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	8 - 10 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.750 IN.
MAX. OPERATIONAL P.S.I.	584 (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.



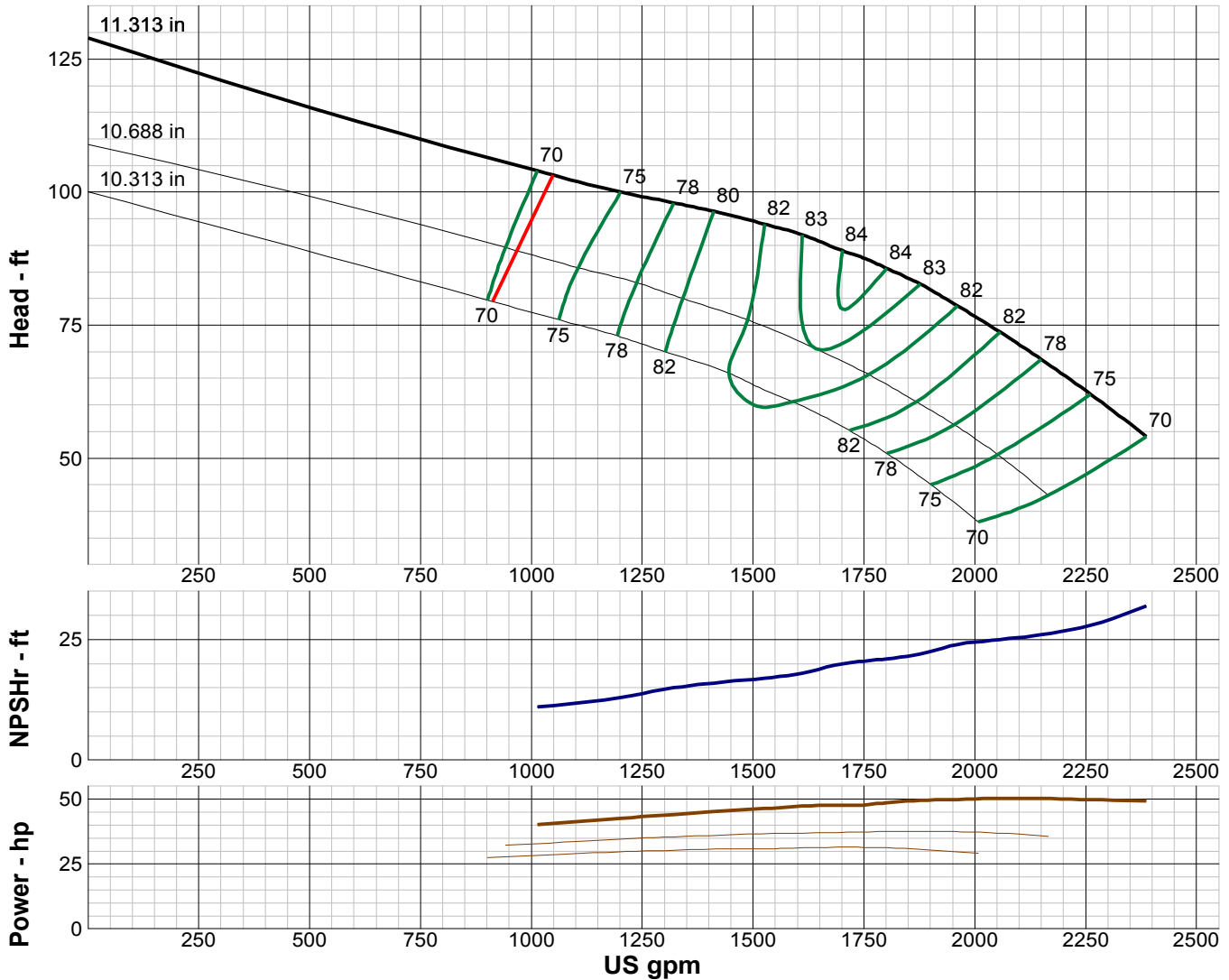
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

14LC 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	3105	Minimum submergence above eye of bottom impeller: 30 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=17.20	
EYE AREA	31.5 SQ. IN.	
WEIGHT	28.00 LB.	

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-4	-2	-1	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

FLANGED BOWL DATA	
BOWL NUMBER	3106
BOWL MAX. DIAMETER	13.500 IN.
BOWL MIN. DIAMETER	13.250 IN.
MAX. NO. STAGES	12
ONE STAGE WEIGHT	490 LB.
ADD STAGE WEIGHT	175 LB.
STD. SHAFT DIA.	1.938 IN.
STD. LATERAL	0.875 IN.
DISCHARGE SIZE	10 - 12 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	10 - 12 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.750 IN.
MAX. OPERATIONAL P.S.I.	540 (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.



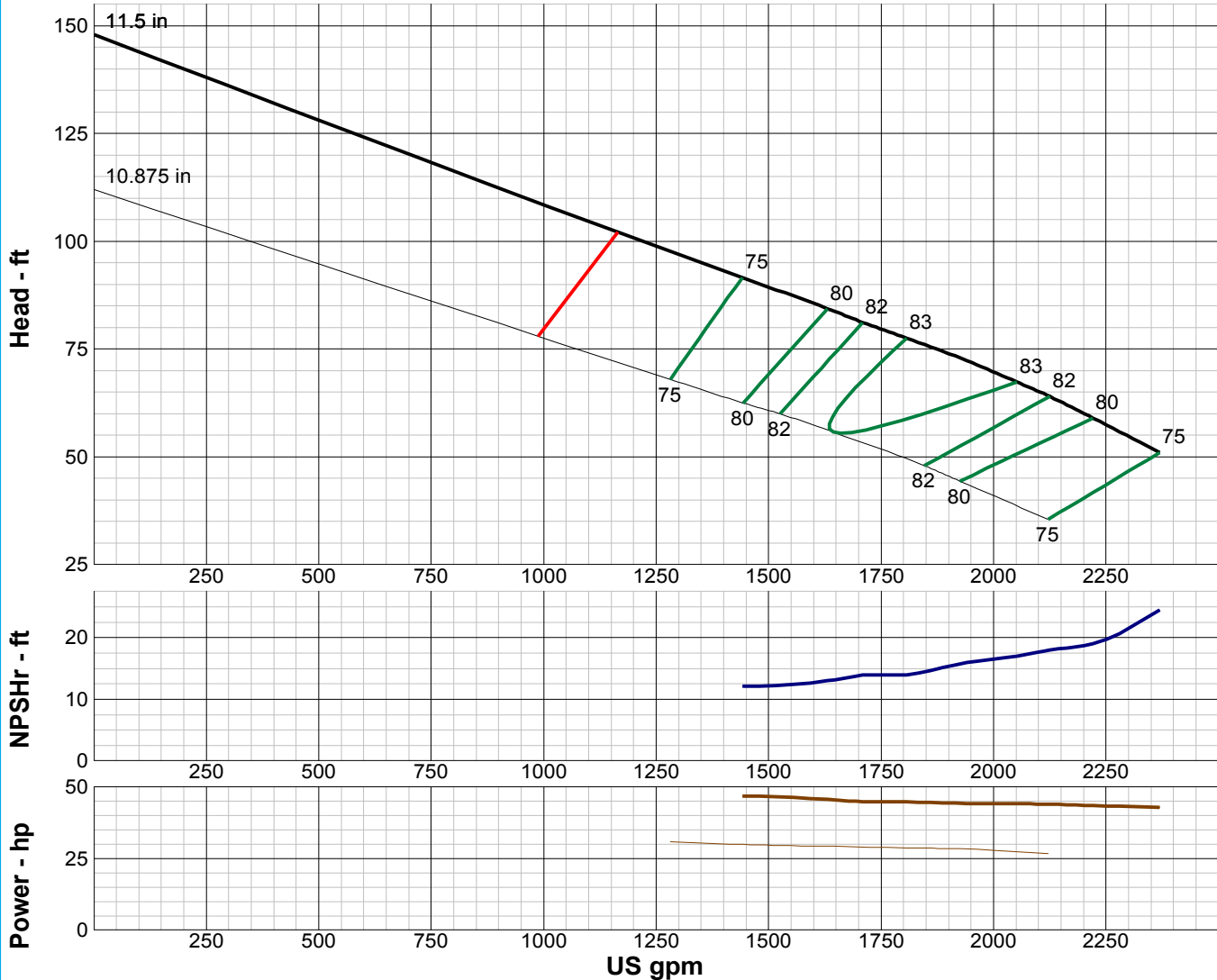
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

14LCR 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	0098	Minimum submergence above eye of bottom impeller: 36 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=15.50	
EYE AREA	37.8 SQ. IN.	
WEIGHT	26.00 LB.	

EFFICIENCY CORRECTION				
NUMBER OF BOWLS:	1	2	3	
CHANGE AS FOLLOWS:	-4	-2	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.				

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

FLANGED BOWL DATA	
BOWL NUMBER	5447
BOWL MAX. DIAMETER	14.250 IN.
BOWL MIN. DIAMETER	14.125 IN.
MAX. NO. STAGES	16
ONE STAGE WEIGHT	LB.
ADD STAGE WEIGHT	LB.
STD. SHAFT DIA.	2.188 IN.
STD. LATERAL	0.813 IN.
DISCHARGE SIZE	10 - 12 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	10 - 12 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	1.250 IN.
MAX. OPERATIONAL P.S.I.	540 (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.



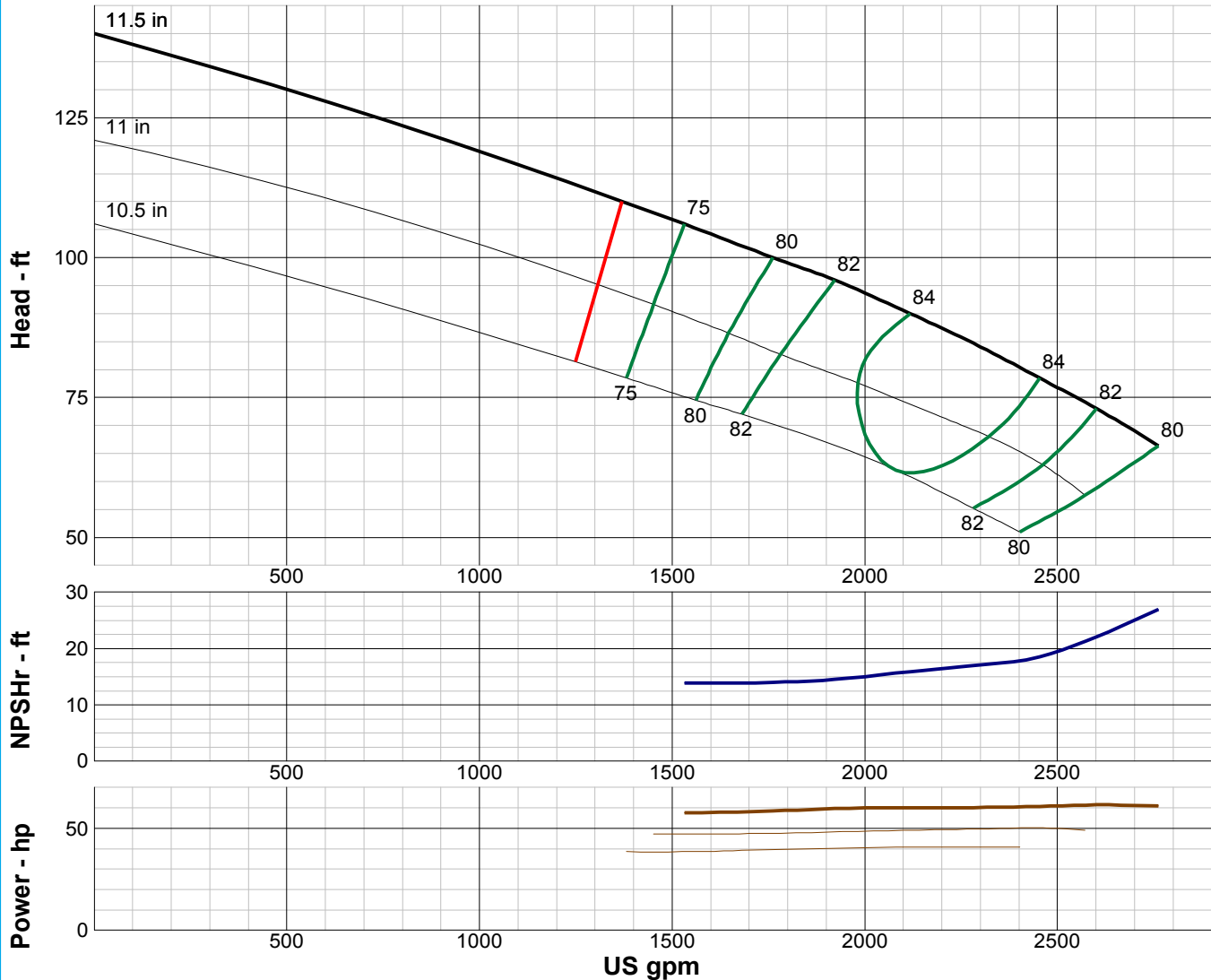
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

14MCR 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	0101	Minimum submergence above eye of bottom impeller: 36 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=15.50	
EYE AREA	37.8 SQ. IN.	
WEIGHT	26.00 LB.	

EFFICIENCY CORRECTION				
NUMBER OF BOWLS:	1	2	3	
CHANGE AS FOLLOWS:	-4	-2	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.				

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

FLANGED BOWL DATA	
BOWL NUMBER	5447
BOWL MAX. DIAMETER	14.250 IN.
BOWL MIN. DIAMETER	14.125 IN.
MAX. NO. STAGES	16
ONE STAGE WEIGHT	LB.
ADD STAGE WEIGHT	LB.
STD. SHAFT DIA.	2.188 IN.
STD. LATERAL	0.813 IN.
DISCHARGE SIZE	10 - 12 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	10 - 12 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	1.250 IN.
MAX. OPERATIONAL P.S.I.	540 (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.



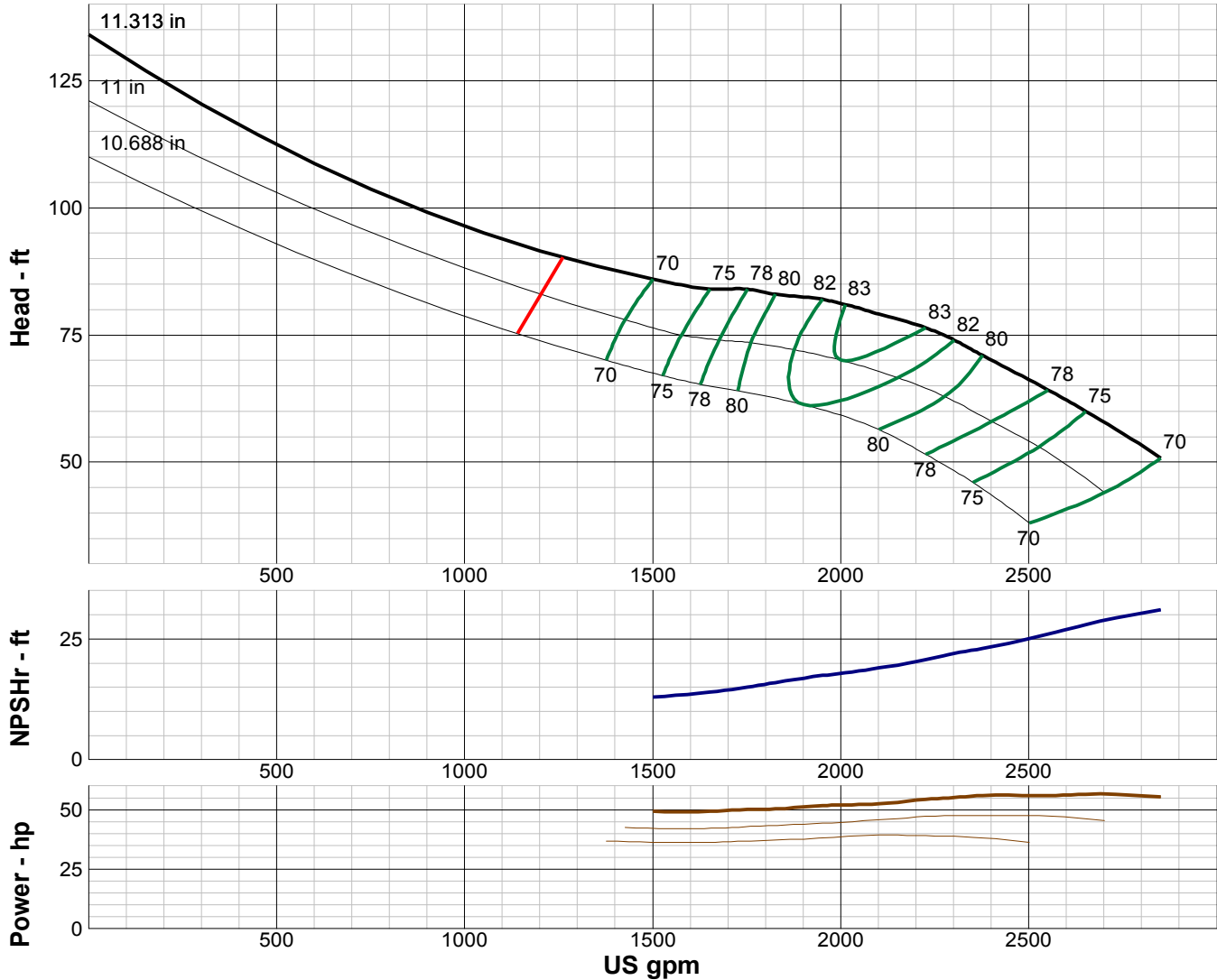
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

14MC 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	3065	Minimum submergence above eye of bottom impeller: 30 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=21.80	
EYE AREA	40.9 SQ. IN.	
WEIGHT	28.00 LB.	

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-4	-2	-1	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

FLANGED BOWL DATA	
BOWL NUMBER	3042
BOWL MAX. DIAMETER	13.500 IN.
BOWL MIN. DIAMETER	13.250 IN.
MAX. NO. STAGES	10
ONE STAGE WEIGHT	490 LB.
ADD STAGE WEIGHT	175 LB.
STD. SHAFT DIA.	1.938 IN.
STD. LATERAL	0.875 IN.
DISCHARGE SIZE	10 - 12 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	10 - 12 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	1.250 IN.
MAX. OPERATIONAL P.S.I.	540 (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.



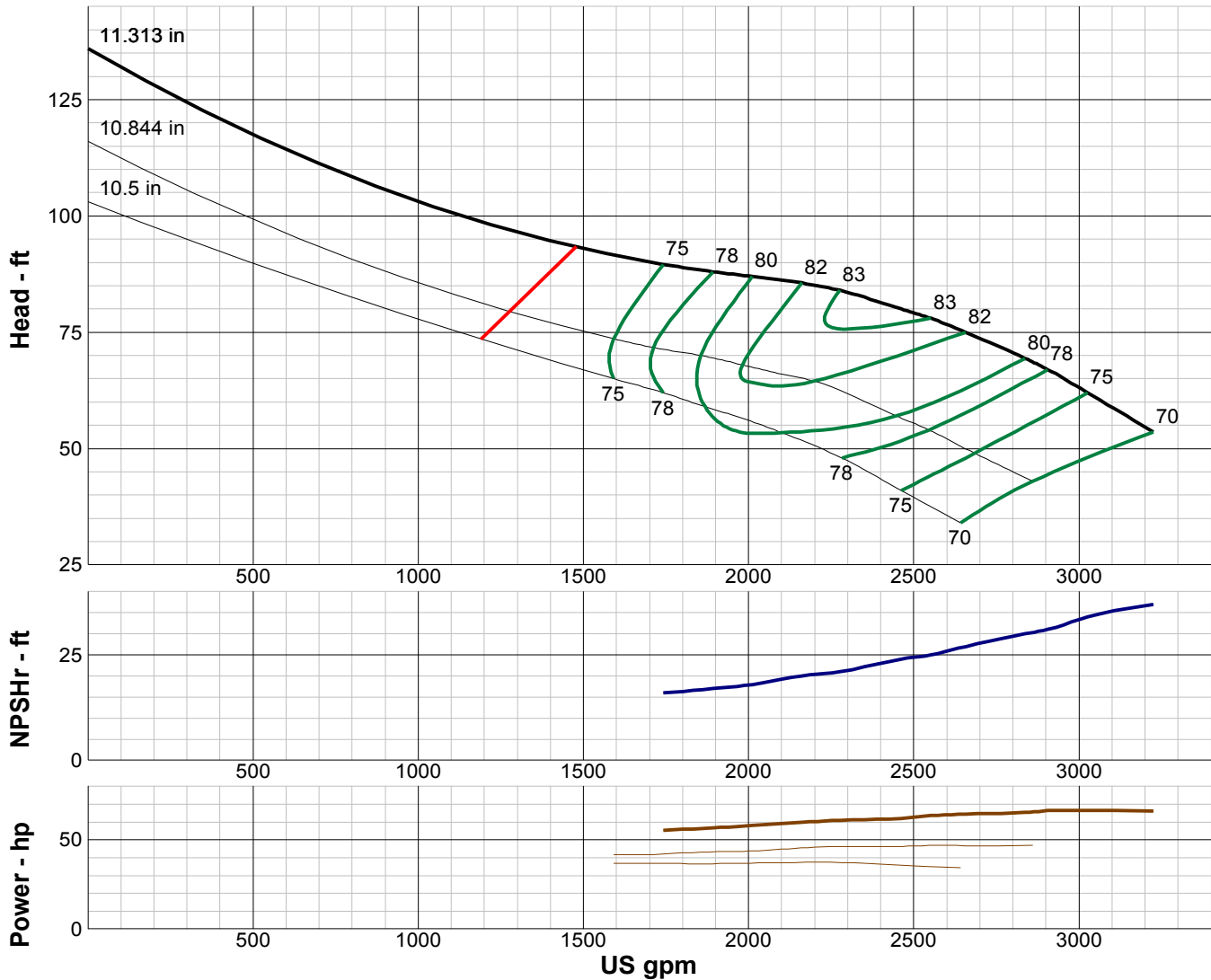
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

14HC 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	3029	Minimum submergence above eye of bottom impeller: 32 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=21.80	
EYE AREA	40.9 SQ. IN.	
WEIGHT	30.25 LB.	

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-4	-2	-1	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

FLANGED BOWL DATA	
BOWL NUMBER	3042
BOWL MAX. DIAMETER	13.500 IN.
BOWL MIN. DIAMETER	13.250 IN.
MAX. NO. STAGES	9
ONE STAGE WEIGHT	490 LB.
ADD STAGE WEIGHT	175 LB.
STD. SHAFT DIA.	1.938 IN.
STD. LATERAL	0.875 IN.
DISCHARGE SIZE	10 - 12 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	10 - 12 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	1.250 IN.
MAX. OPERATIONAL P.S.I.	540 (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.



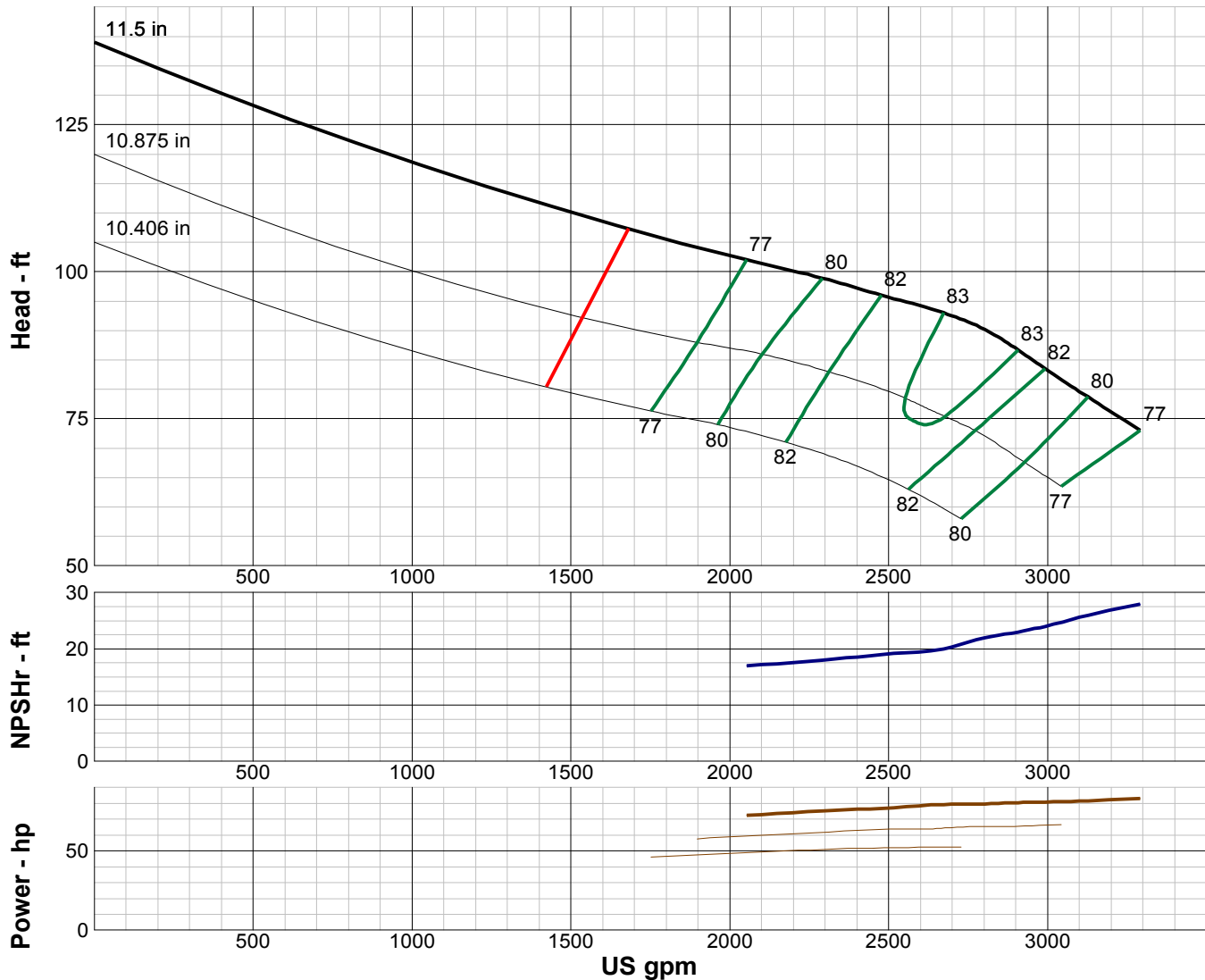
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

14HCR 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	0103	Minimum submergence above eye of bottom impeller: 36 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=15.50	
EYE AREA	37.8 SQ. IN.	
WEIGHT	26.00 LB.	

EFFICIENCY CORRECTION				
NUMBER OF BOWLS:	1	2	3	
CHANGE AS FOLLOWS:	-4	-2	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.				

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

FLANGED BOWL DATA	
BOWL NUMBER	5447
BOWL MAX. DIAMETER	14.250 IN.
BOWL MIN. DIAMETER	14.125 IN.
MAX. NO. STAGES	18
ONE STAGE WEIGHT	LB.
ADD STAGE WEIGHT	LB.
STD. SHAFT DIA.	2.188 IN.
STD. LATERAL	0.813 IN.
DISCHARGE SIZE	10 - 12 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	10 - 12 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	1.250 IN.
MAX. OPERATIONAL P.S.I.	540 (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.



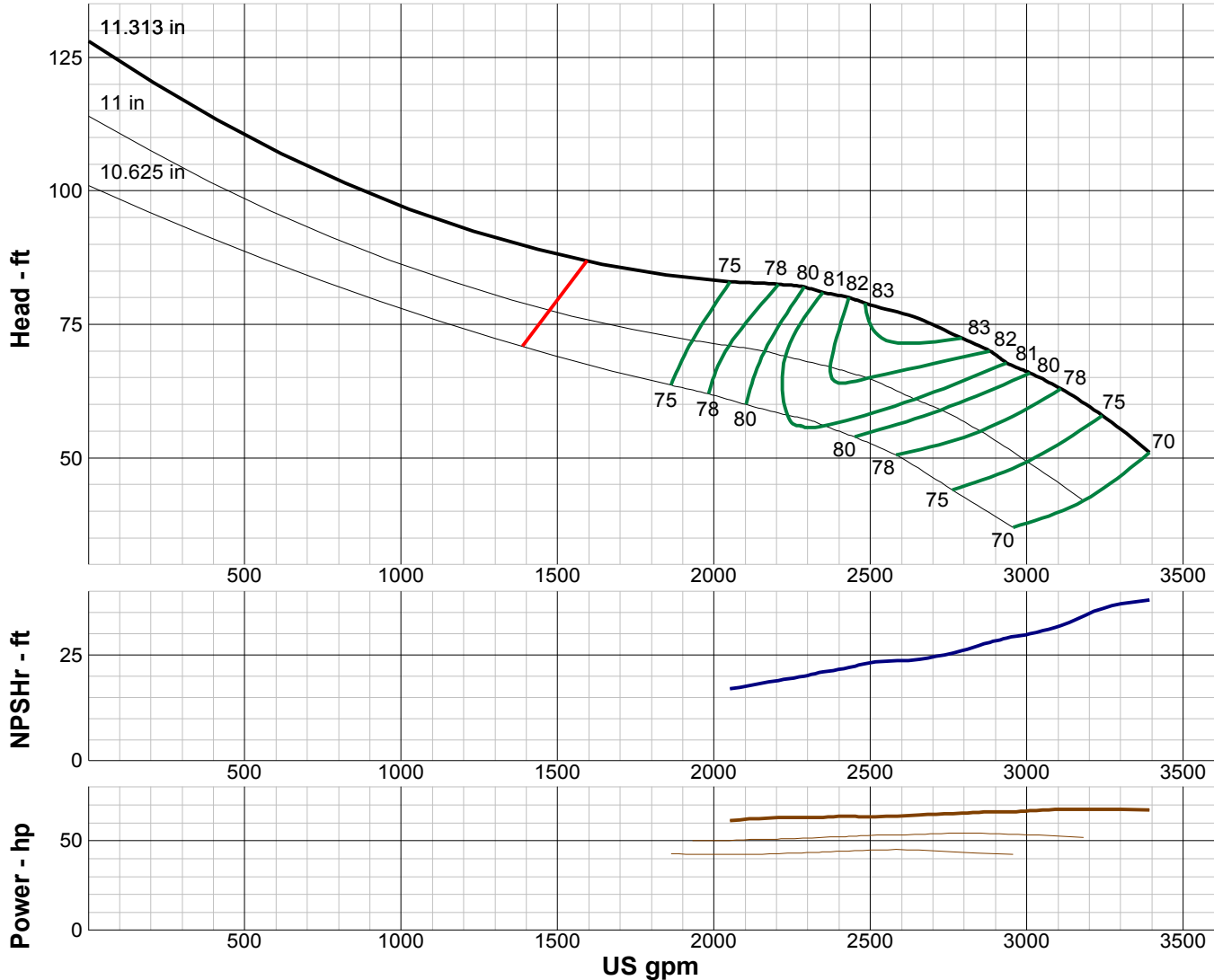
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

14XC 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	3086	Minimum submergence above eye of bottom impeller: 32 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=21.80	
EYE AREA	40.9 SQ. IN.	
WEIGHT	29.25 LB.	

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-5	-3	-1	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

FLANGED BOWL DATA	
BOWL NUMBER	3042
BOWL MAX. DIAMETER	13.500 IN.
BOWL MIN. DIAMETER	13.250 IN.
MAX. NO. STAGES	9
ONE STAGE WEIGHT	490 LB.
ADD STAGE WEIGHT	175 LB.
STD. SHAFT DIA.	1.938 IN.
STD. LATERAL	0.875 IN.
DISCHARGE SIZE	10 - 12 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	10 - 12 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	1.250 IN.
MAX. OPERATIONAL P.S.I.	540 (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.



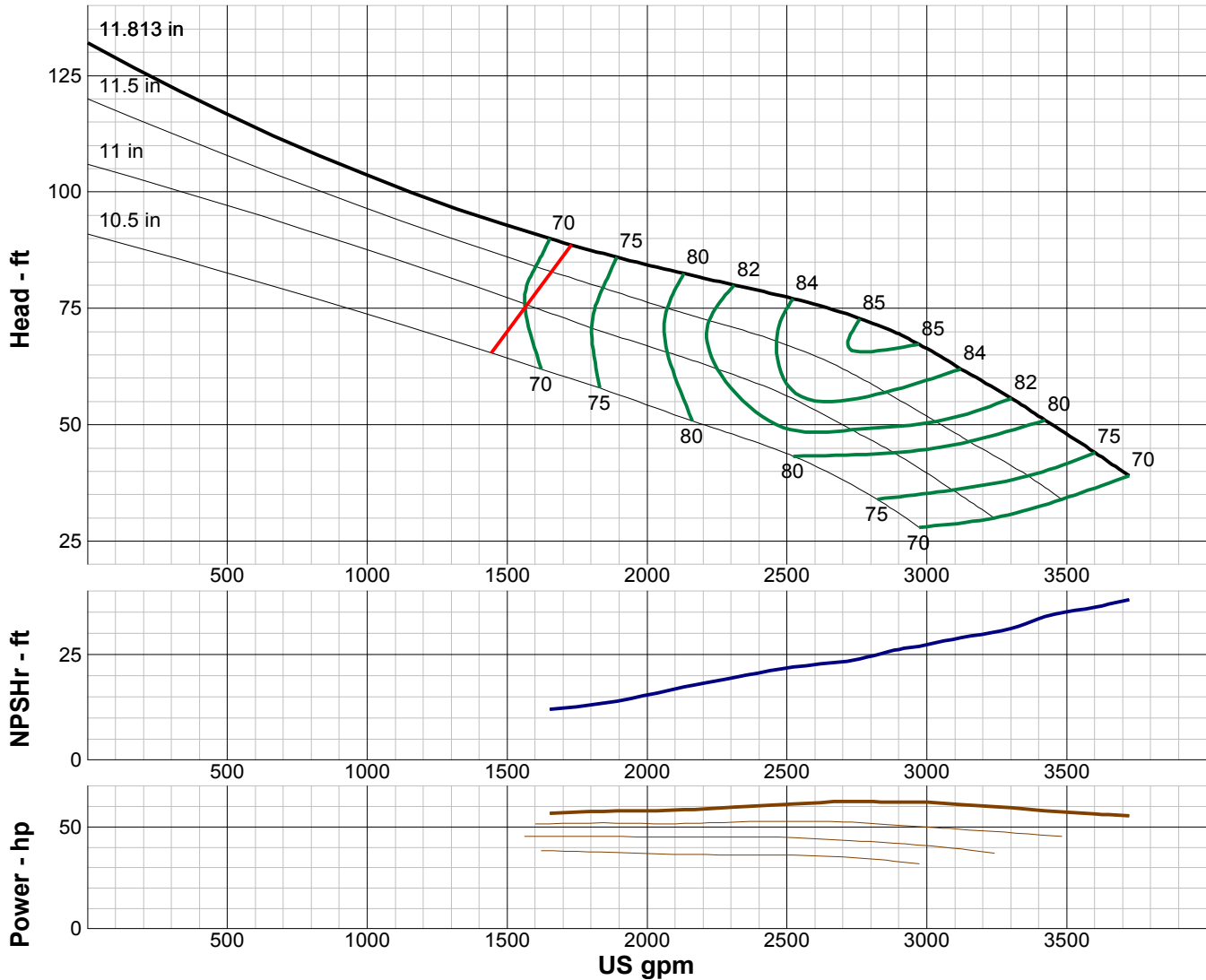
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

14WC 1750 RPM



IMPELLER DATA

IMPELLER NUMBER	4151	Minimum submergence above eye of bottom impeller: 34 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=24.80	
EYE AREA	47.4 SQ. IN.	
WEIGHT	31.75 LB.	

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4
CHANGE AS FOLLOWS:	-4	-2	-1	0
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.				

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

FLANGED BOWL DATA

BOWL NUMBER	4152
BOWL MAX. DIAMETER	14.063 IN.
BOWL MIN. DIAMETER	13.750 IN.
MAX. NO. STAGES	9
ONE STAGE WEIGHT	500 LB.
ADD STAGE WEIGHT	185 LB.
STD. SHAFT DIA.	1.938 IN.
STD. LATERAL	0.875 IN.
DISCHARGE SIZE	10 - 12 IN.
DISCHARGE CONNECTION	THD -FLG
SUCTION SIZE	10 - 12 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	1.500 IN.
MAX. OPERATIONAL P.S.I.	540 (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.



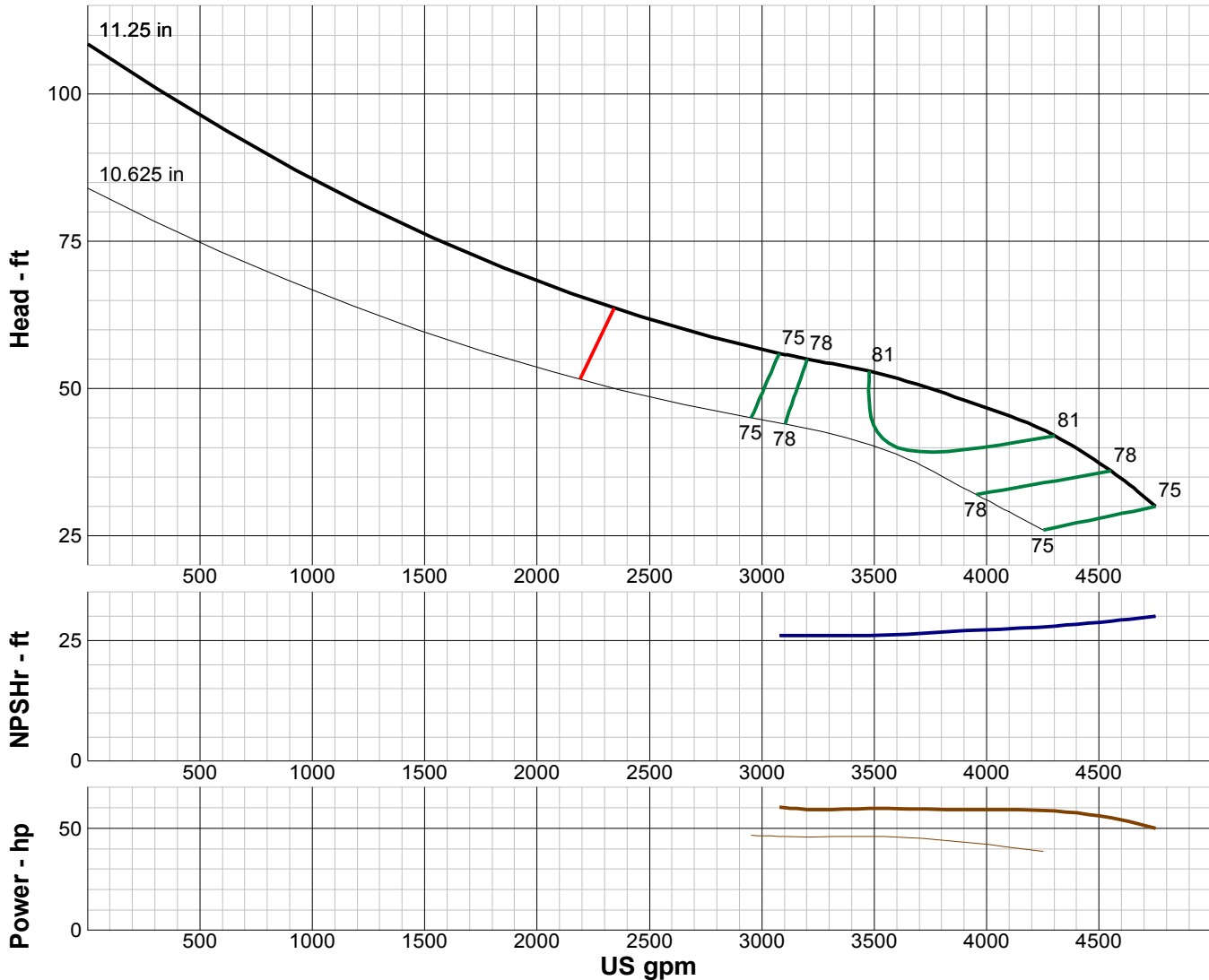
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

14YC 1750 RPM



IMPELLER DATA

IMPELLER NUMBER	3878	Minimum submergence above eye of bottom impeller: 34 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=24.00	
EYE AREA	57.0 SQ. IN.	
WEIGHT	28.00 LB.	

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3	4
CHANGE AS FOLLOWS:	-3	-2	-1	0
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.				

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

FLANGED BOWL DATA

BOWL NUMBER	3869
BOWL MAX. DIAMETER	13.750 IN.
BOWL MIN. DIAMETER	13.500 IN.
MAX. NO. STAGES	9
ONE STAGE WEIGHT	335 LB.
ADD STAGE WEIGHT	188 LB.
STD. SHAFT DIA.	1.938 IN.
STD. LATERAL	0.635 IN.
DISCHARGE SIZE	10 - 12 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	10 - 12 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	1.250 IN.
MAX. OPERATIONAL P.S.I.	540 (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.



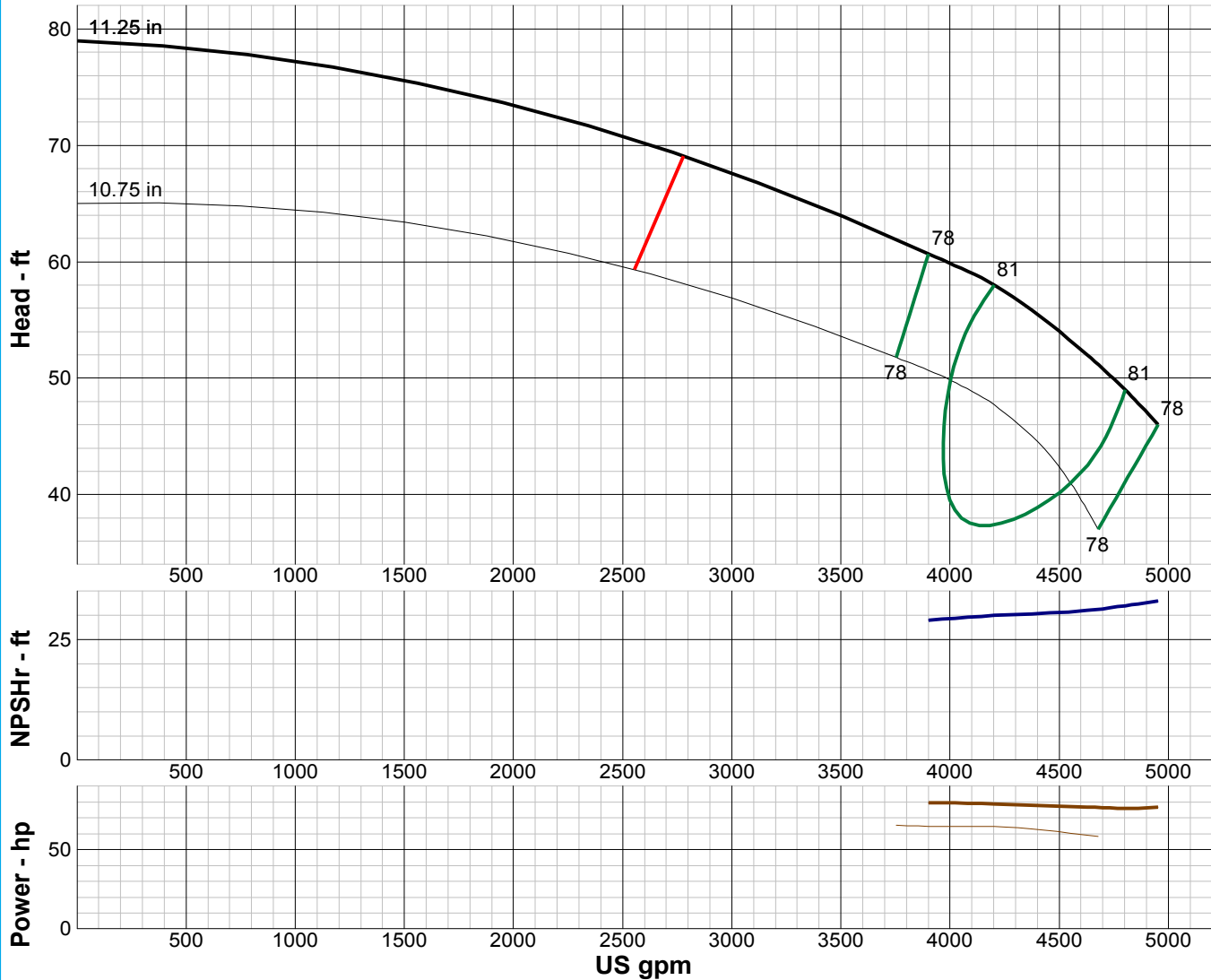
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

14ZC 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	3896	Minimum submergence above eye of bottom impeller: 34 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=24.70	
EYE AREA	58.5 SQ. IN.	
WEIGHT	28.00 LB.	

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-3	-2	-1	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

FLANGED BOWL DATA	
BOWL NUMBER	3869
BOWL MAX. DIAMETER	13.750 IN.
BOWL MIN. DIAMETER	13.500 IN.
MAX. NO. STAGES	6
ONE STAGE WEIGHT	335 LB.
ADD STAGE WEIGHT	188 LB.
STD. SHAFT DIA.	1.938 IN.
STD. LATERAL	0.625 IN.
DISCHARGE SIZE	10 - 12 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	10 - 12 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	1.250 IN.
MAX. OPERATIONAL P.S.I.	540 (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.



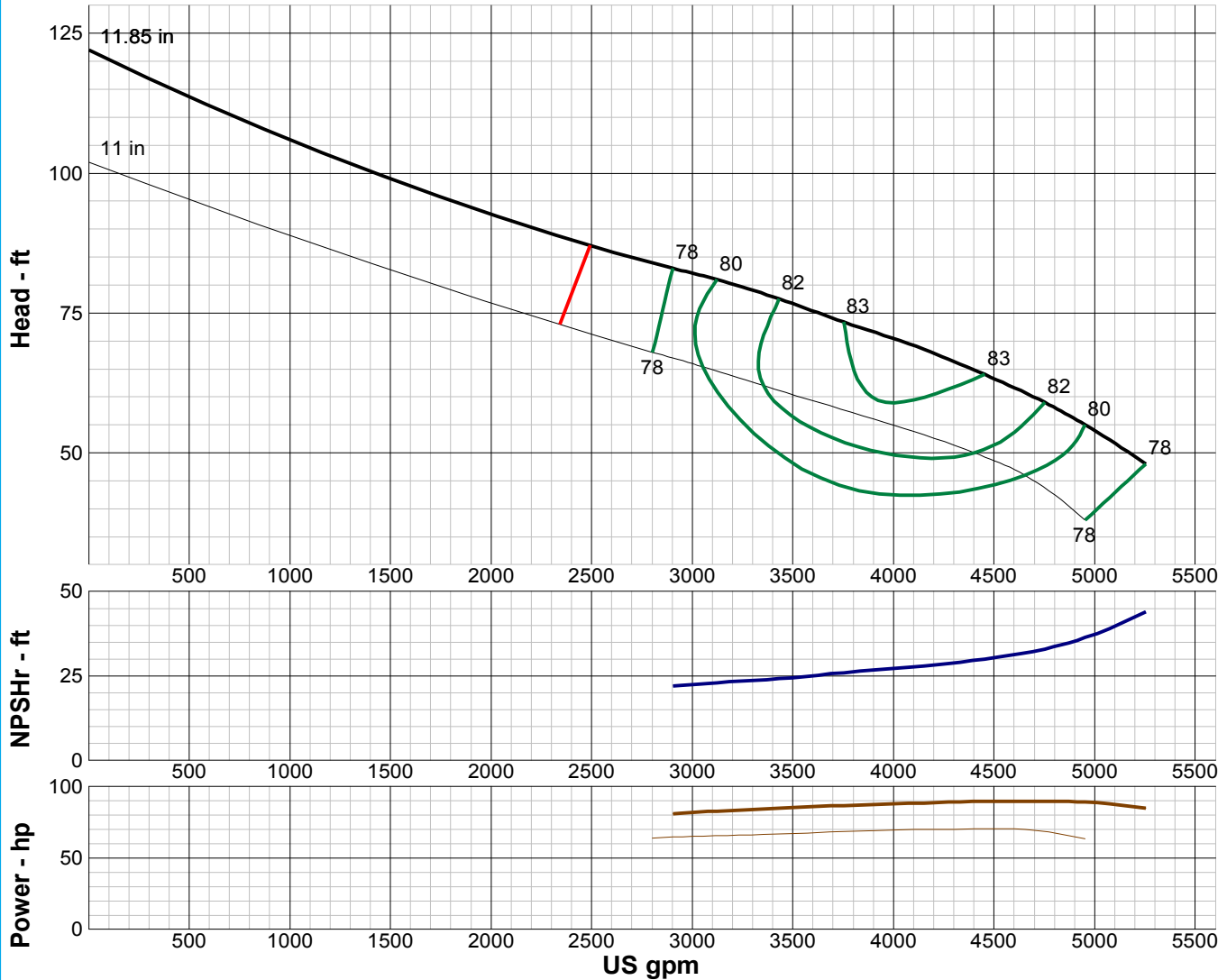
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

15KC 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	0004	Minimum submergence above eye of bottom impeller: 36 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=28.00	
EYE AREA	63.6 SQ. IN.	
WEIGHT	30.00 LB.	

EFFICIENCY CORRECTION					
NUMBER OF BOWLS:	1	2	3	4	
CHANGE AS FOLLOWS:	-3	-2	-1	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

FLANGED BOWL DATA	
BOWL NUMBER	0001
BOWL MAX. DIAMETER	15.250 IN.
BOWL MIN. DIAMETER	14.750 IN.
MAX. NO. STAGES	6
ONE STAGE WEIGHT	510 LB.
ADD STAGE WEIGHT	195 LB.
STD. SHAFT DIA.	1.938 IN.
STD. LATERAL	0.688 IN.
DISCHARGE SIZE	10 - 12 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	10 - 12 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	2.250 IN.
MAX. OPERATIONAL P.S.I.	540 (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.



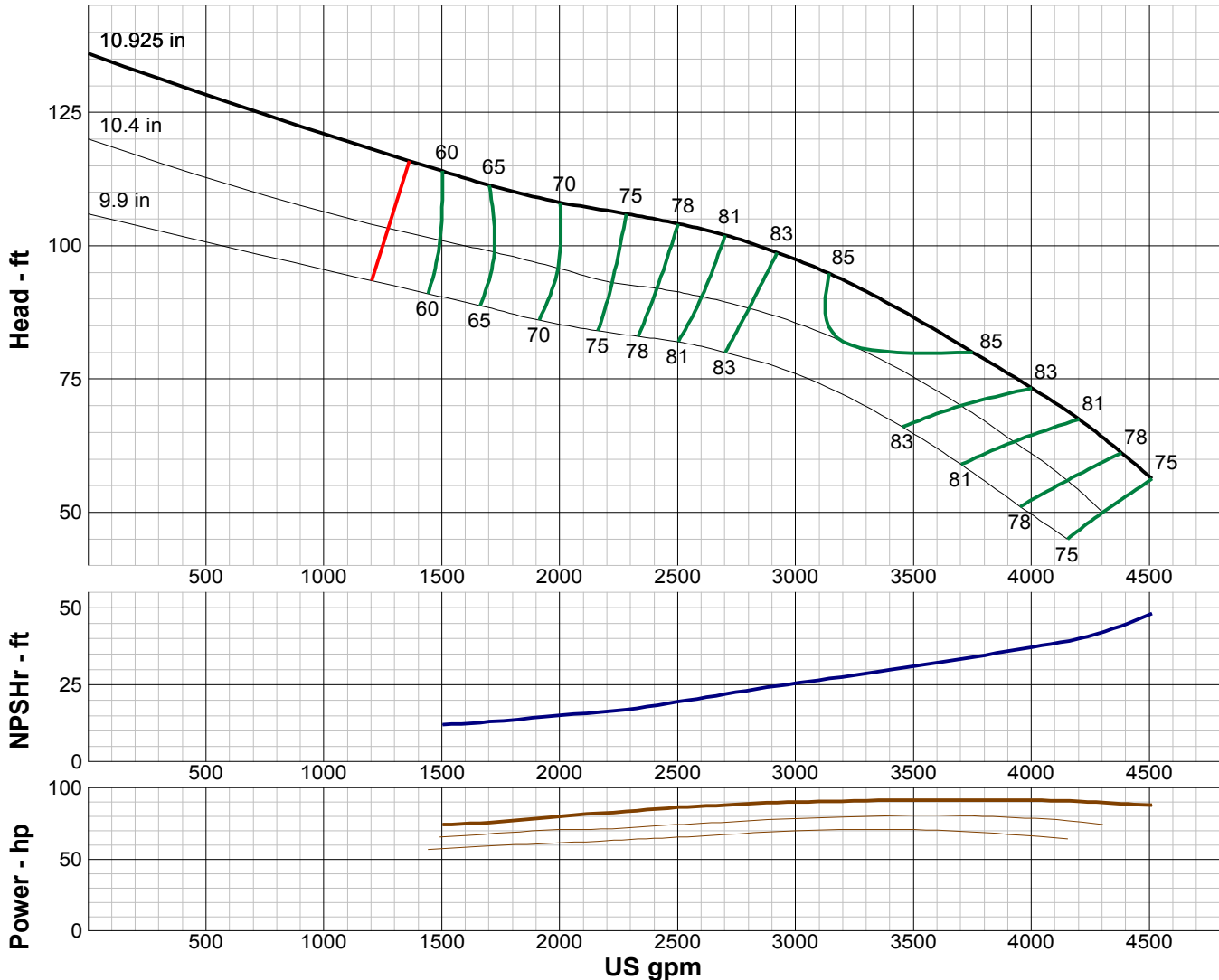
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

16LC 1750 RPM



IMPELLER DATA

IMPELLER NUMBER		
TYPE	ENCLOSED	Minimum submergence above eye of bottom impeller: 32 IN.
THRUST FACTOR	K=20.00	
EYE AREA	51.3 SQ. IN.	
WEIGHT	32.30 LB.	

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3		
CHANGE AS FOLLOWS:	-2	-1	0		
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

FLANGED BOWL DATA

BOWL BUMPER	
BOWL MAX. DIAMETER	15.375 IN.
BOWL MIN. DIAMETER	15.375 IN.
MAX. NO. STAGES	7
ONE STAGE WEIGHT	630 LB.
ADD STAGE WEIGHT	260 LB.
STD. SHAFT DIA.	2.250 IN.
STD. LATERAL	0.563 IN.
DISCHARGE SIZE	N/A
DISCHARGE CONNECTION	FLG
SUCTION BELL DIA.	16.750 IN.
SUCTION CONNECTION	BELL
MAX. SPHERE SIZE	1.375 IN.
MAX. OPERATIONAL P.S.I.	300 (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.



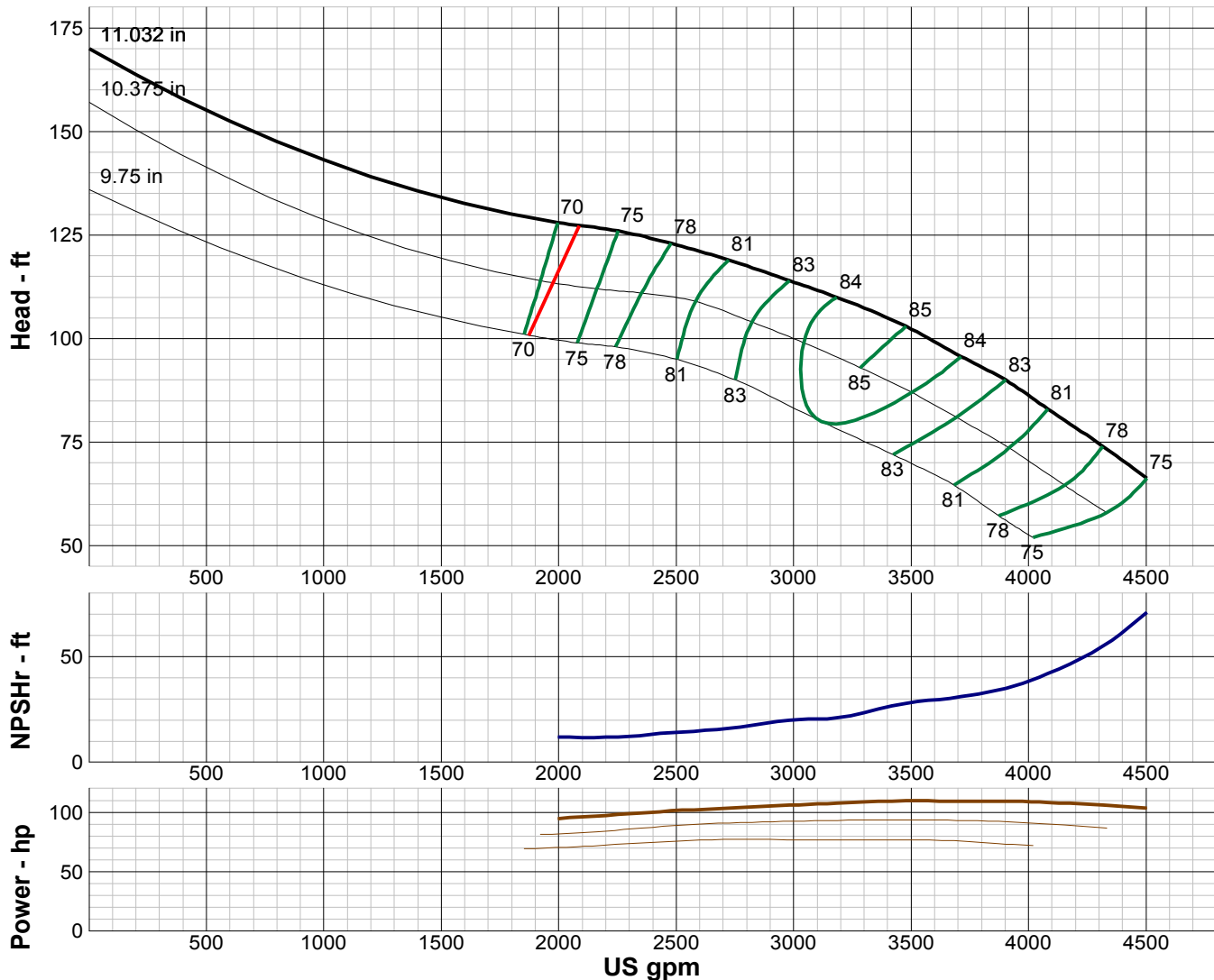
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

16MC 1750 RPM



IMPELLER DATA

IMPELLER NUMBER		
TYPE	ENCLOSED	Minimum submergence above eye of bottom impeller: 36 IN.
THRUST FACTOR	K=23.00	
EYE AREA	58.4 SQ. IN.	
WEIGHT	42.00 LB.	

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3		
CHANGE AS FOLLOWS:	-2	-1	0		
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

FLANGED BOWL DATA

BOWL BUMPER	
BOWL MAX. DIAMETER	16.000 IN.
BOWL MIN. DIAMETER	16.000 IN.
MAX. NO. STAGES	5
ONE STAGE WEIGHT	630 LB.
ADD STAGE WEIGHT	260 LB.
STD. SHAFT DIA.	2.250 IN.
STD. LATERAL	0.750 IN.
DISCHARGE SIZE	N/A
DISCHARGE CONNECTION	FLG
SUCTION BELL DIA.	17.375 IN.
SUCTION CONNECTION	BELL
MAX. SPHERE SIZE	1.688 IN.
MAX. OPERATIONAL P.S.I.	300 (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.



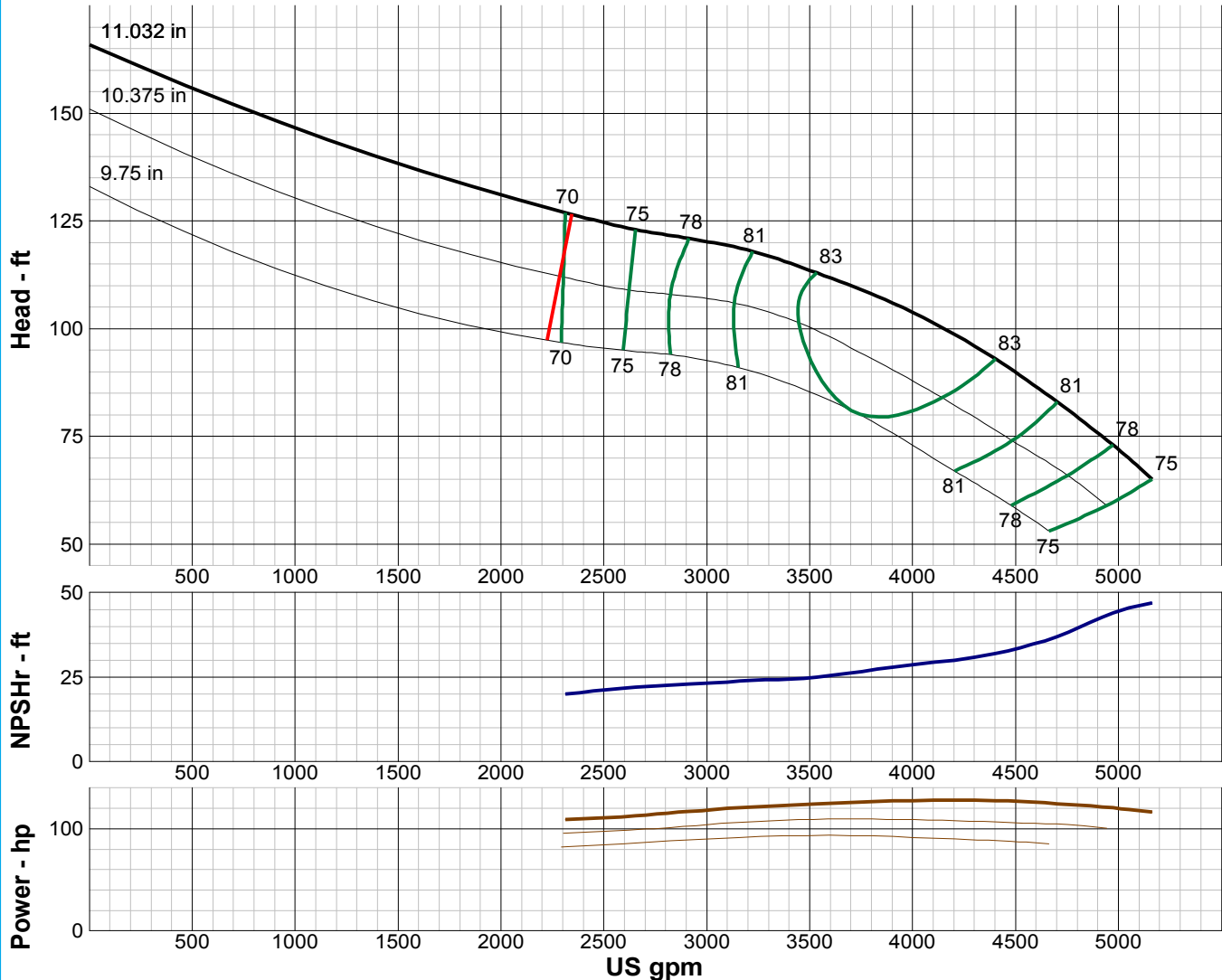
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

16HC 1750 RPM



IMPELLER DATA

IMPELLER NUMBER		
TYPE	ENCLOSED	Minimum submergence above eye of bottom impeller: 36 IN.
THRUST FACTOR	K=23.00	
EYE AREA	58.4 SQ. IN.	
WEIGHT	52.00 LB.	

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3		
CHANGE AS FOLLOWS:	-2	-0.5	0		
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

FLANGED BOWL DATA

BOWL BUMPER	
BOWL MAX. DIAMETER	16.000 IN.
BOWL MIN. DIAMETER	16.000 IN.
MAX. NO. STAGES	5
ONE STAGE WEIGHT	630 LB.
ADD STAGE WEIGHT	260 LB.
STD. SHAFT DIA.	2.250 IN.
STD. LATERAL	0.750 IN.
DISCHARGE SIZE	N/A
DISCHARGE CONNECTION	FLG
SUCTION BELL DIA.	17.375 IN.
SUCTION CONNECTION	BELL
MAX. SPHERE SIZE	1.688 IN.
MAX. OPERATIONAL P.S.I.	300 (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.



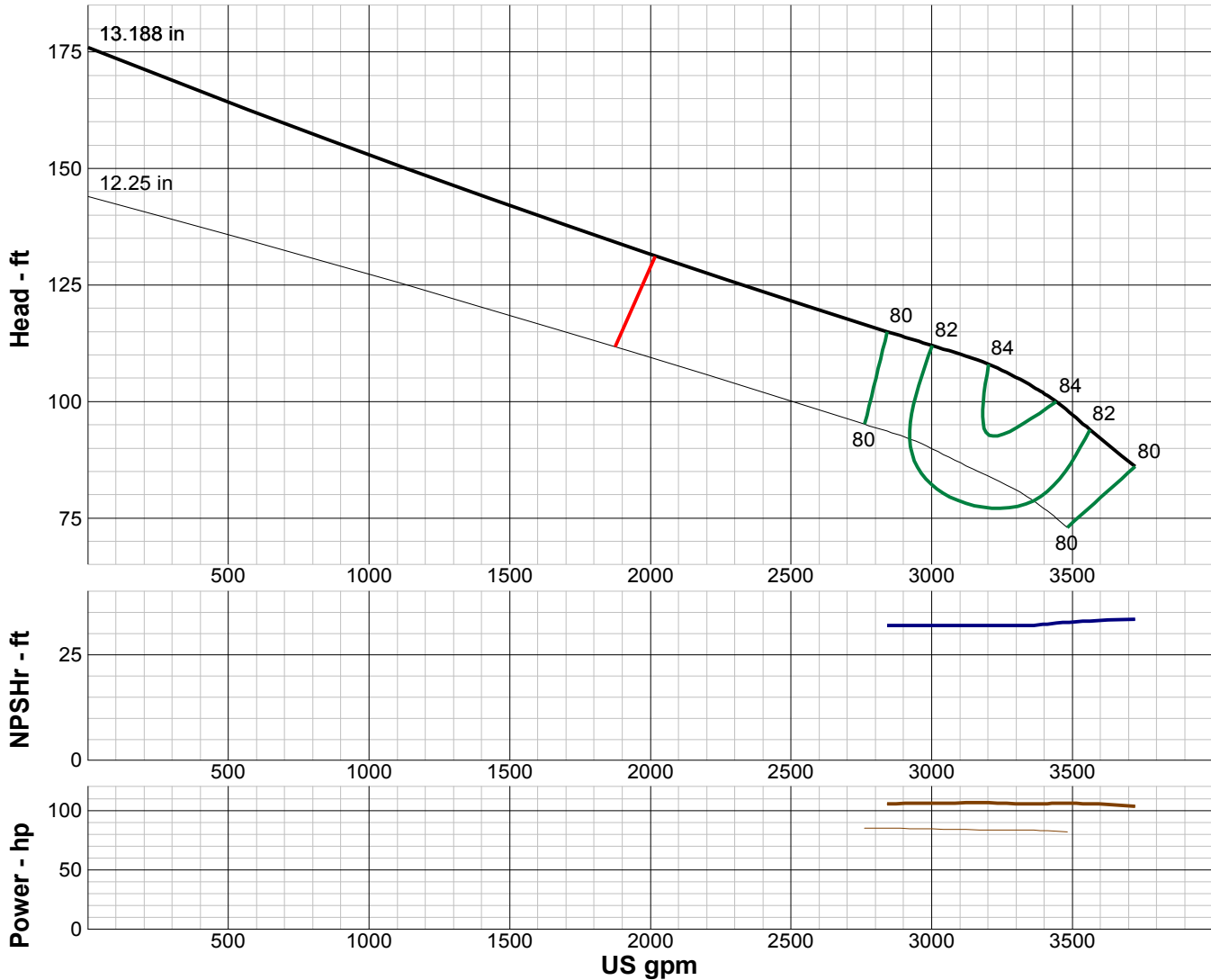
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

18LC 1750 RPM



IMPELLER DATA

IMPELLER NUMBER	3914	Minimum submergence above eye of bottom impeller: 48 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=21.75	
EYE AREA	46.0 SQ. IN.	
WEIGHT	42.00 LB.	

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2	3		
CHANGE AS FOLLOWS:	-2	-1	0		
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

FLANGED BOWL DATA

BOWL NUMBER	3905
BOWL MAX. DIAMETER	17.750 IN.
BOWL MIN. DIAMETER	17.500 IN.
MAX. NO. STAGES	9
ONE STAGE WEIGHT	750 LB.
ADD STAGE WEIGHT	325 LB.
STD. SHAFT DIA.	2.188 IN.
STD. LATERAL	0.500 IN.
DISCHARGE SIZE	N/A
DISCHARGE CONNECTION	FLG
SUCTION BELL SIZE	18.000 IN.
SUCTION CONNECTION	BELL
MAX. SPHERE SIZE	1.250 IN.
MAX. OPERATIONAL P.S.I.	450 (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.



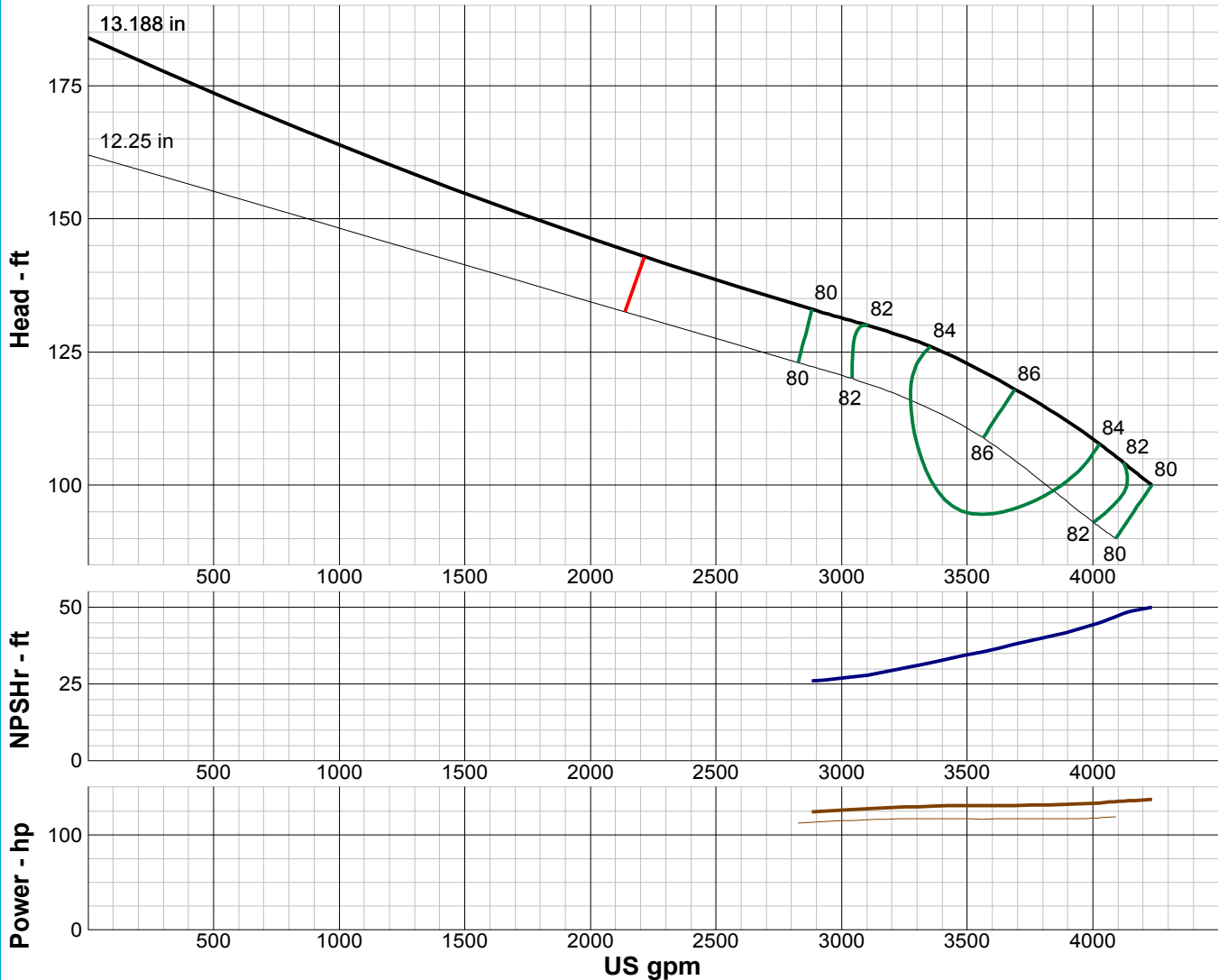
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

18MC 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	3923	Minimum submergence above eye of bottom impeller: 48 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=21.75	
EYE AREA	50.3 SQ. IN.	
WEIGHT	42.00 LB.	

EFFICIENCY CORRECTION				
NUMBER OF BOWLS:	1	2	3	
CHANGE AS FOLLOWS:	-2	-1	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.				

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

FLANGED BOWL DATA	
BOWL NUMBER	3905
BOWL MAX. DIAMETER	17.750 IN.
BOWL MIN. DIAMETER	17.500 IN.
MAX. NO. STAGES	7
ONE STAGE WEIGHT	750 LB.
ADD STAGE WEIGHT	325 LB.
STD. SHAFT DIA.	2.188 IN.
STD. LATERAL	0.500 IN.
DISCHARGE SIZE	N/A
DISCHARGE CONNECTION	FLG
SUCTION BELL DIA.	18.000 IN.
SUCTION CONNECTION	BELL
MAX. SPHERE SIZE	1.250 IN.
MAX. OPERATIONAL P.S.I.	450 (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.



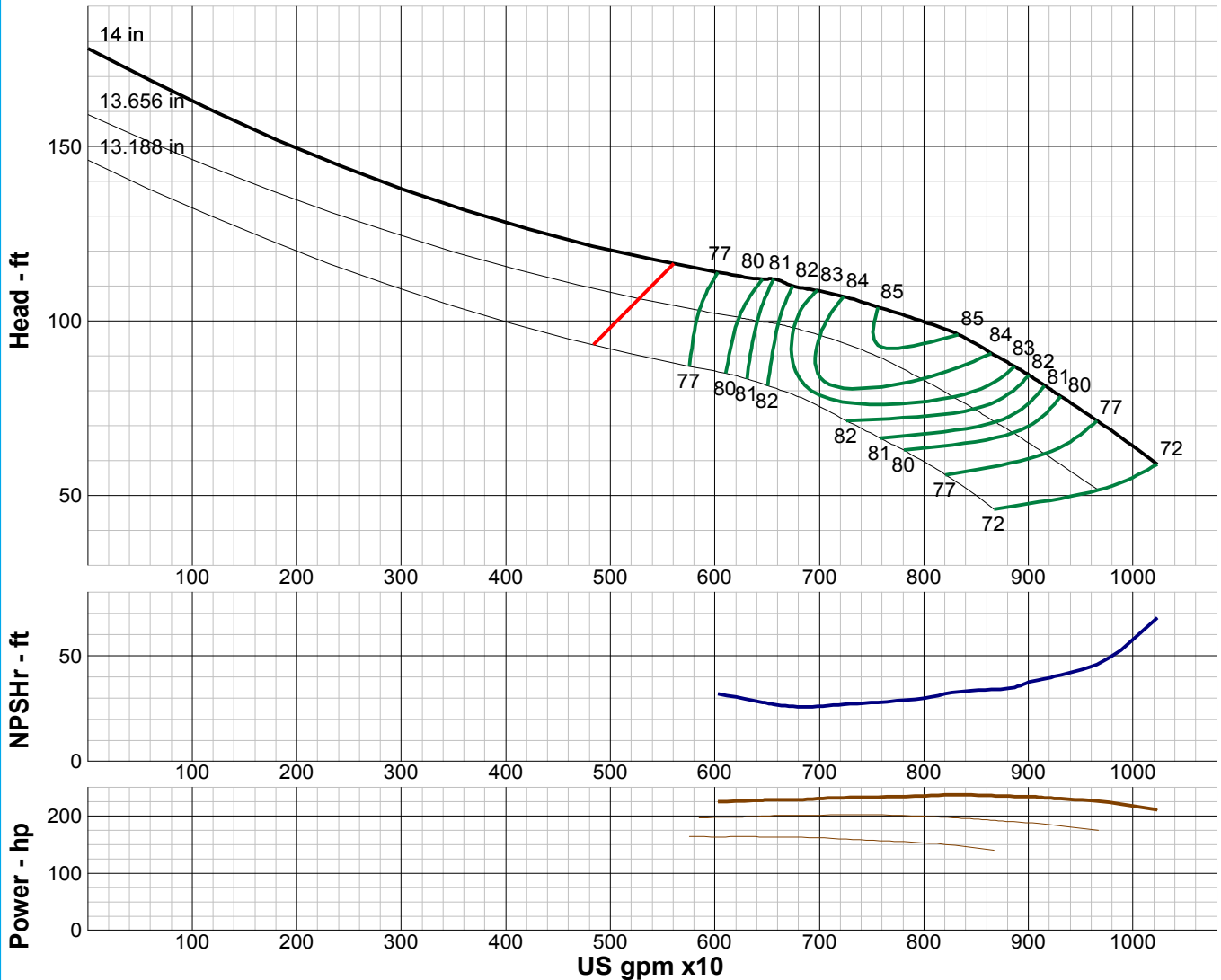
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

18HHC 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER	0777	Minimum submergence above eye of bottom impeller: 48 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=32.00	
EYE AREA	102 SQ. IN.	
WEIGHT	LB.	

EFFICIENCY CORRECTION				
NUMBER OF BOWLS:	1	2		
CHANGE AS FOLLOWS:	-0.5	0		
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.				

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-2	-2
BOWL MATERIAL:	-2	-1	-2	-2

FLANGED BOWL DATA	
BOWL NUMBER	0224
BOWL MAX. DIAMETER	18.625 IN.
BOWL MIN. DIAMETER	18.250 IN.
MAX. NO. STAGES	7
ONE STAGE WEIGHT	LB.
ADD STAGE WEIGHT	LB.
STD. SHAFT DIA.	2.188 IN.
STD. LATERAL	0.750 IN.
DISCHARGE SIZE	N/A
DISCHARGE CONNECTION	FLG
SUCTION BELL DIA.	18.813 IN.
SUCTION CONNECTION	BELL
MAX. SPHERE SIZE	1.250 IN.
MAX. OPERATIONAL P.S.I.	450 (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.



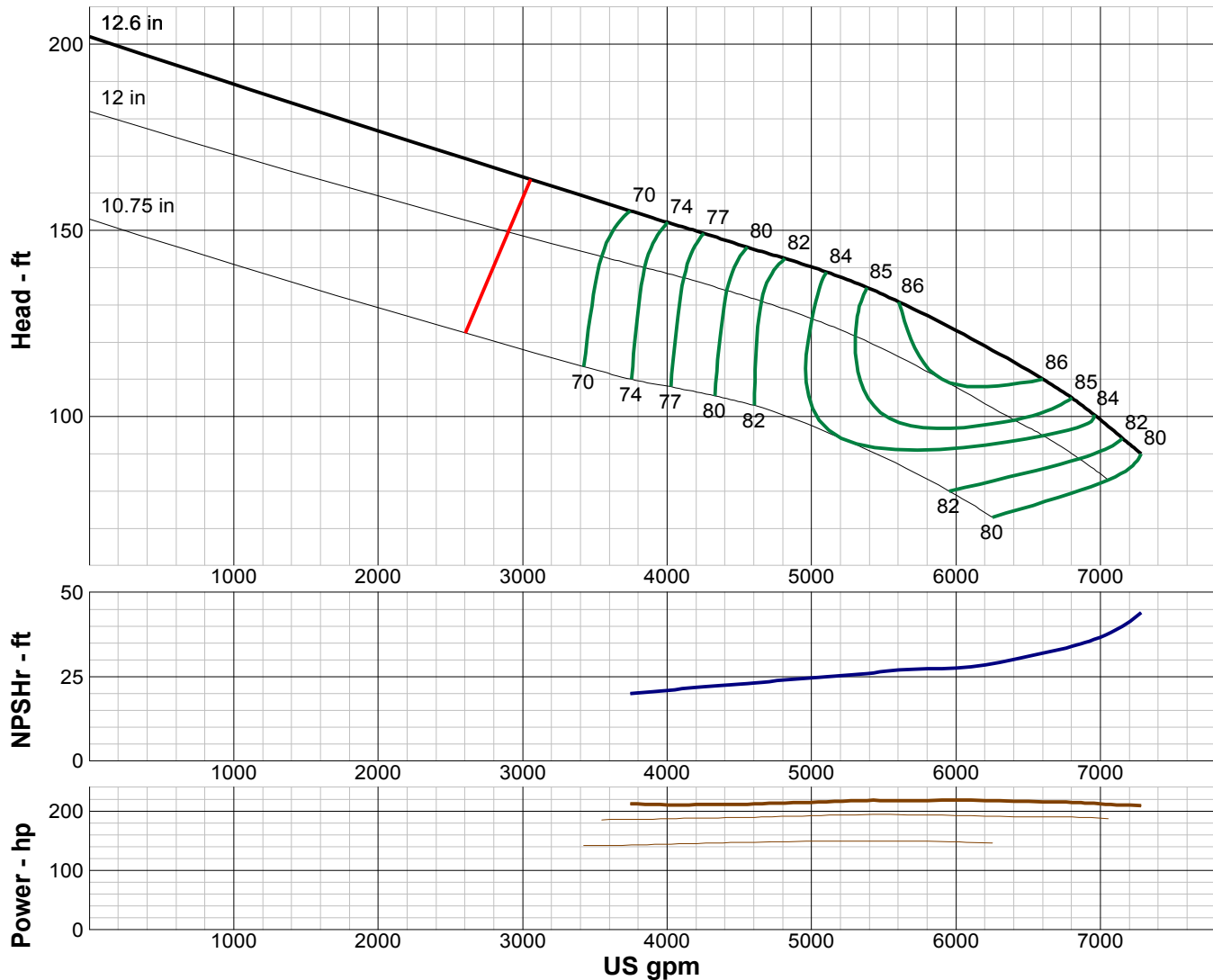
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

19MC 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER		
TYPE	ENCLOSED	Minimum submergence above eye of bottom impeller: 42 IN.
THRUST FACTOR	K=32.00	
EYE AREA	74.5 SQ. IN.	
WEIGHT	54.00 LB.	

EFFICIENCY CORRECTION				
NUMBER OF BOWLS:	1	2		
CHANGE AS FOLLOWS:	-1	0		
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.				

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-2	-2
BOWL MATERIAL:	-2	-2	-2	-2

FLANGED BOWL DATA	
BOWL BUMPER	
BOWL MAX. DIAMETER	18.625 IN.
BOWL MIN. DIAMETER	18.625 IN.
MAX. NO. STAGES	4
ONE STAGE WEIGHT	770 LB.
ADD STAGE WEIGHT	447 LB.
STD. SHAFT DIA.	2.250 IN.
STD. LATERAL	0.750 IN.
DISCHARGE SIZE	N/A
DISCHARGE CONNECTION	FLG
SUCTION BELL DIA.	21.000 IN.
SUCTION CONNECTION	BELL
MAX. SPHERE SIZE	1.000 IN.
MAX. OPERATIONAL P.S.I.	350 (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.



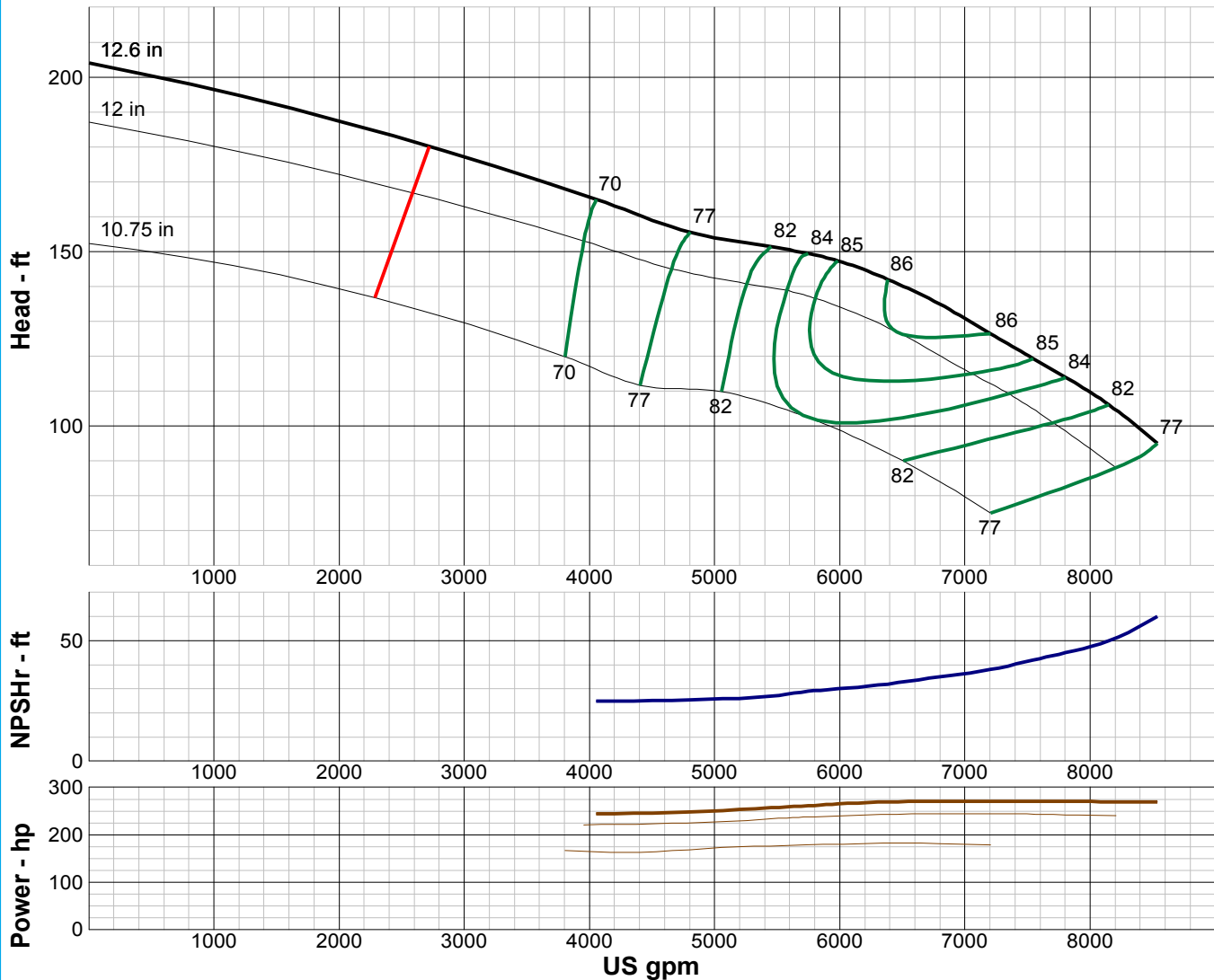
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

19HC 1750 RPM



IMPELLER DATA		
IMPELLER NUMBER		
TYPE	ENCLOSED	Minimum submergence above eye of bottom impeller: 42 IN.
THRUST FACTOR	K=32.00	
EYE AREA	74.5 SQ. IN.	
WEIGHT	54.00 LB.	

EFFICIENCY CORRECTION				
NUMBER OF BOWLS:	1	2		
CHANGE AS FOLLOWS:	-1	0		
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.				

PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-2	-2
BOWL MATERIAL:	-2	-2	-2	-2

FLANGED BOWL DATA	
BOWL BUMPER	
BOWL MAX. DIAMETER	18.625 IN.
BOWL MIN. DIAMETER	18.625 IN.
MAX. NO. STAGES	4
ONE STAGE WEIGHT	770 LB.
ADD STAGE WEIGHT	447 LB.
STD. SHAFT DIA.	2.250 IN.
STD. LATERAL	0.750 IN.
DISCHARGE SIZE	N/A
DISCHARGE CONNECTION	FLG
SUCTION BELL DIA.	21.000 IN.
SUCTION CONNECTION	BELL
MAX. SPHERE SIZE	1.000 IN.
MAX. OPERATIONAL P.S.I.	350 (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.



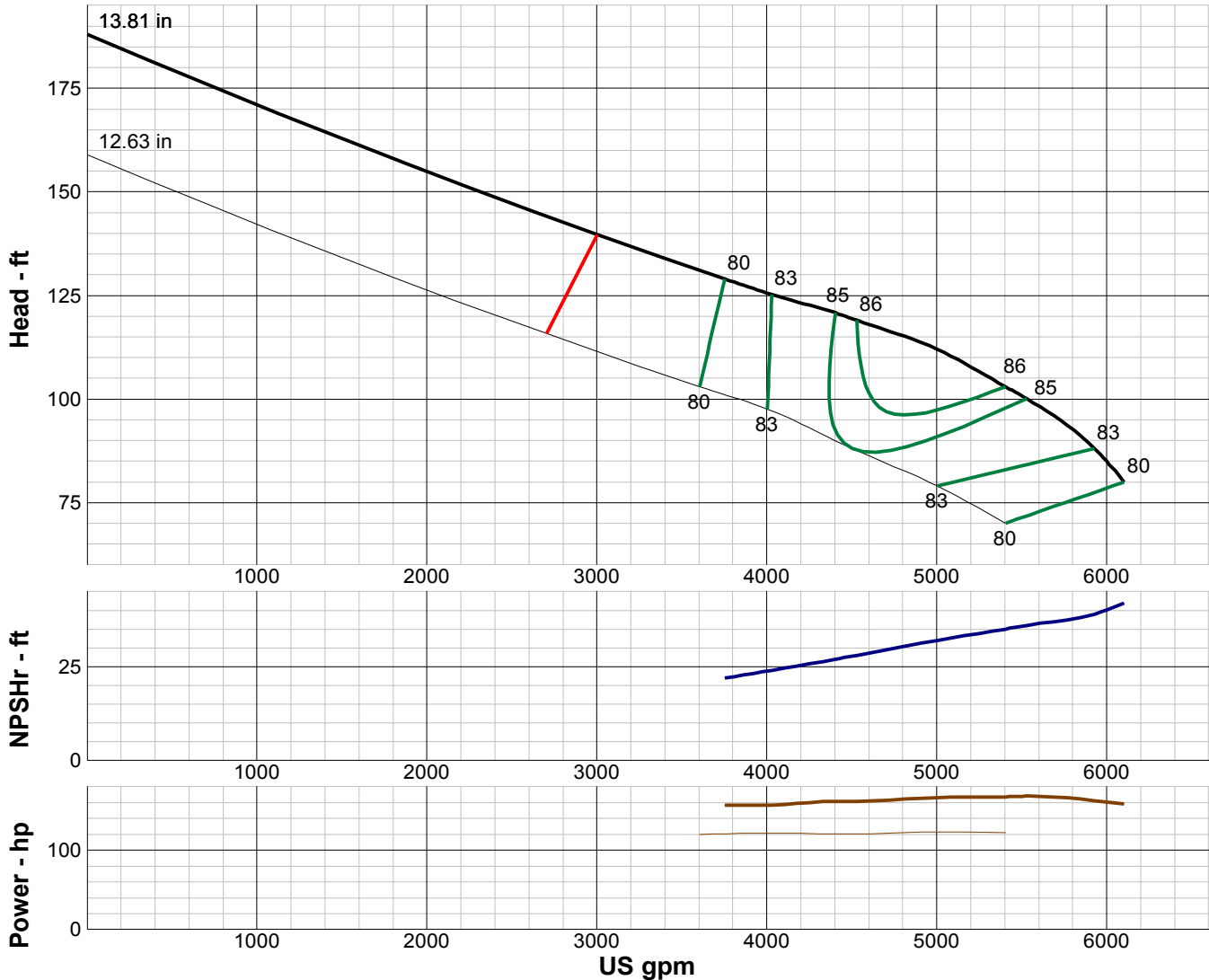
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

20LC 1750 RPM



IMPELLER DATA

IMPELLER NUMBER	4838	Minimum submergence above eye of bottom impeller: 33 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=29.40	
EYE AREA	72.6 SQ. IN.	
WEIGHT	69.00 LB.	

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2			
CHANGE AS FOLLOWS:	-2	0			
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-1
BOWL MATERIAL:	-1	-2	-2	-2

FLANGED BOWL DATA

BOWL NUMBER	3969
BOWL MAX. DIAMETER	19.875 IN.
BOWL MIN. DIAMETER	19.250 IN.
MAX. NO. STAGES	5
ONE STAGE WEIGHT	790 LB.
ADD STAGE WEIGHT	569 LB.
STD. SHAFT DIA.	2.438 IN.
STD. LATERAL	0.750 IN.
DISCHARGE SIZE	N/A
DISCHARGE CONNECTION	FLG
SUCTION BELL DIA.	20.875 IN.
SUCTION CONNECTION	BELL
MAX. SPHERE SIZE	2.000 IN.
MAX. OPERATIONAL P.S.I.	350 (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.



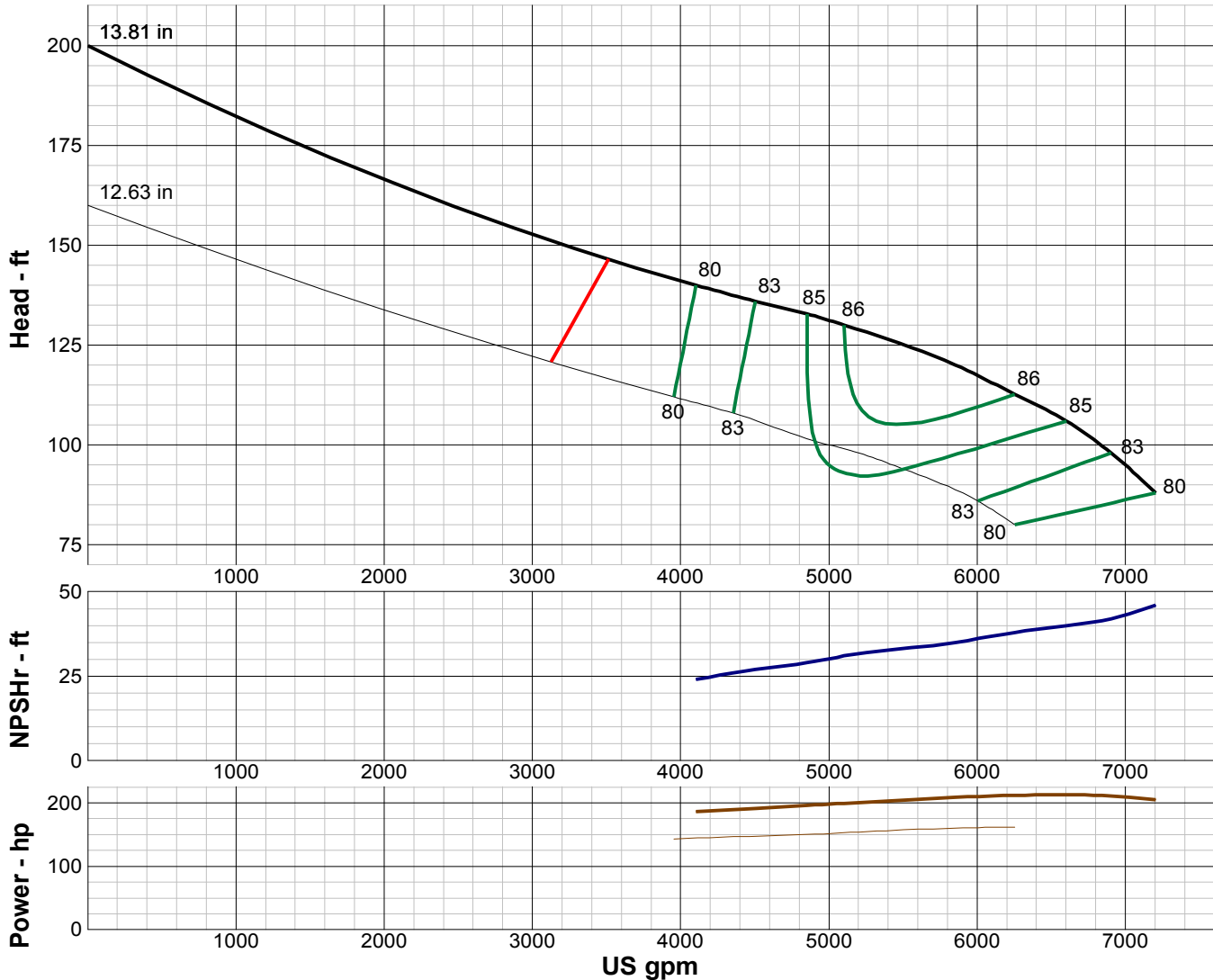
TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

480 SERIES

20MC 1750 RPM



IMPELLER DATA

IMPELLER NUMBER	4847	Minimum submergence above eye of bottom impeller: 33 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=29.40	
EYE AREA	72.6 SQ. IN.	
WEIGHT	69.00 LB.	

EFFICIENCY CORRECTION

NUMBER OF BOWLS:	1	2			
CHANGE AS FOLLOWS:	-2	0			
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

PUMP MATERIAL EFFICIENCY CORRECTION

	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-1
BOWL MATERIAL:	-1	-2	-2	-2

FLANGED BOWL DATA

BOWL NUMBER	3969
BOWL MAX. DIAMETER	19.875 IN.
BOWL MIN. DIAMETER	19.250 IN.
MAX. NO. STAGES	5
ONE STAGE WEIGHT	790 LB.
ADD STAGE WEIGHT	569 LB.
STD. SHAFT DIA.	2.438 IN.
STD. LATERAL	0.750 IN.
DISCHARGE SIZE	N/A
DISCHARGE CONNECTION	FLG
SUCTION BELL DIA.	20.875 IN.
SUCTION CONNECTION	BELL
MAX. SPHERE SIZE	2.000 IN.
MAX. OPERATIONAL P.S.I.	350 (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.