



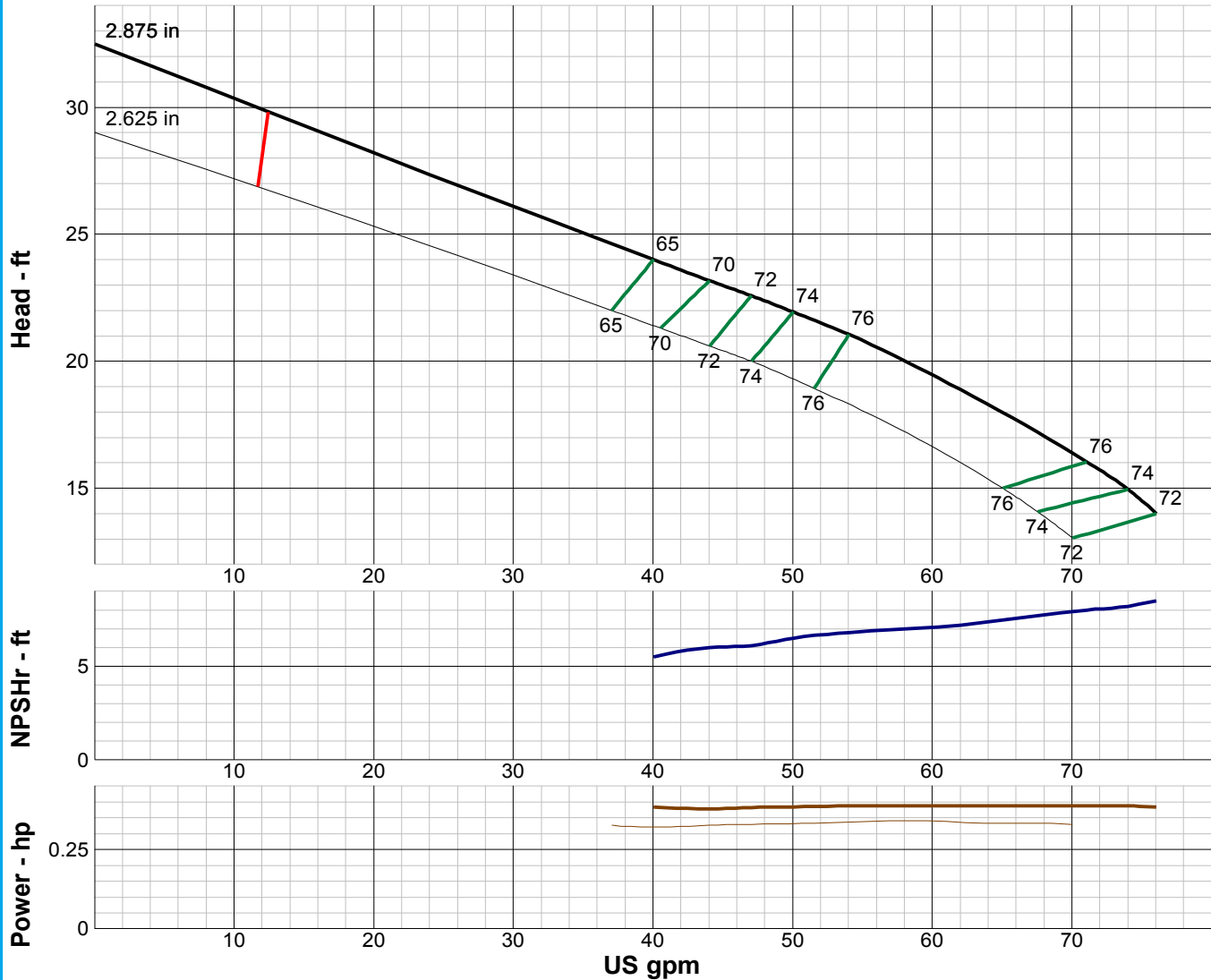
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 4MCR 3450 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	1.0 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	30
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.



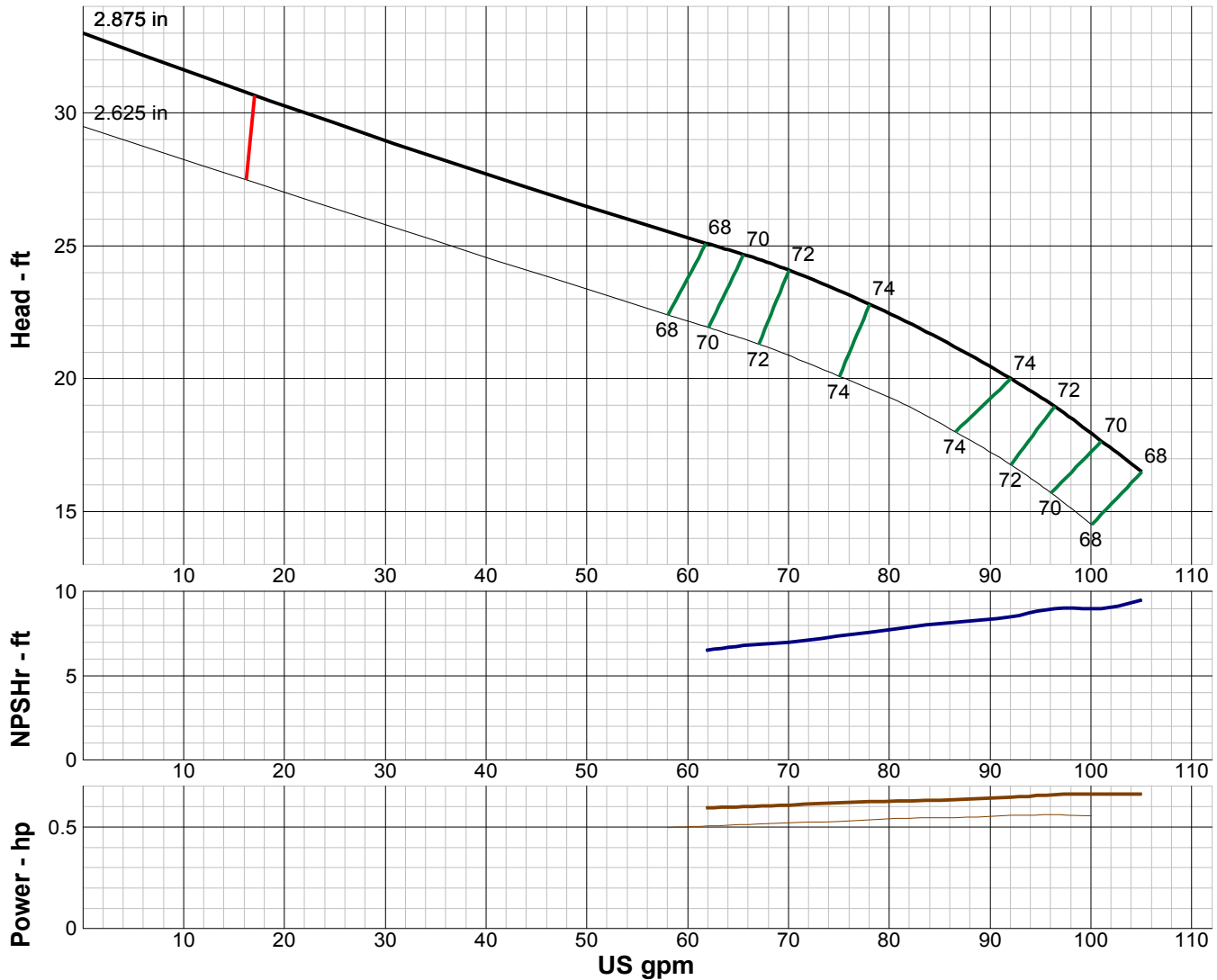
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 4HCR 3450 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	30
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.



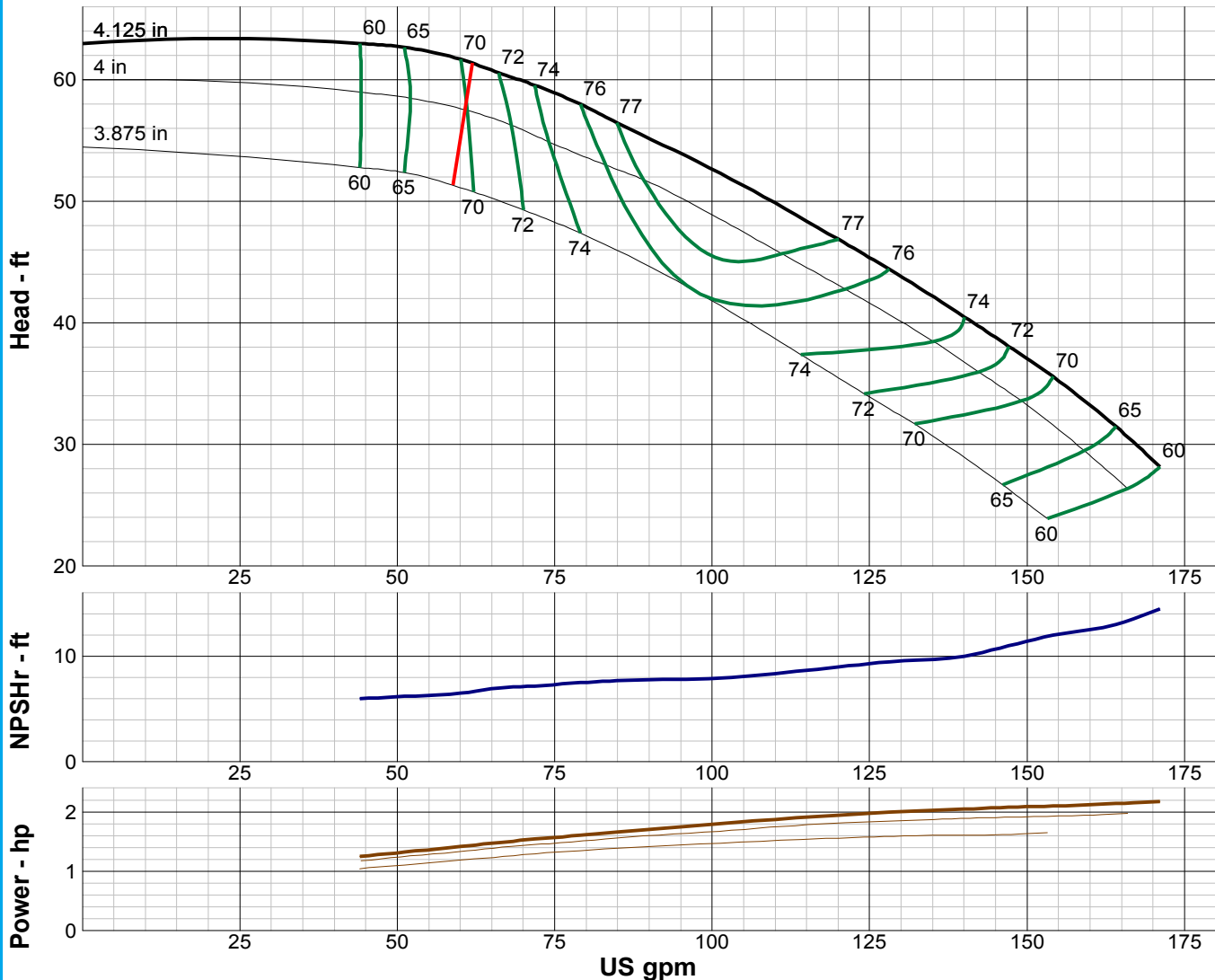
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 5MC 3450 RPM



### IMPELLER DATA

IMPELLER NUMBER	0189	Minimum submergence above eye of bottom impeller: 10 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=2.30	
EYE AREA	3.82 SQ. IN.	
WEIGHT	1.70 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:	-1	0	-1	-4
BOWL MATERIAL:	-1	-1	-1	-8

### THREADED BOWL DATA

BOWL NUMBER	0320
BOWL MAX. DIAMETER	5.500 IN.
BOWL MIN. DIAMETER	5.250 IN.
MAX. NO. STAGES	28
ONE STAGE WEIGHT	45 LB.
ADD STAGE WEIGHT	12 LB.
STD. SHAFT DIA.	1.000 IN.
STD. LATERAL	0.250 IN.
DISCHARGE SIZE	4 IN.
DISCHARGE CONNECTION	THD - FLG
SUCTION SIZE	4 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.375 IN.
MAX. OPERATIONAL P.S.I.	360 (SPECIAL)

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



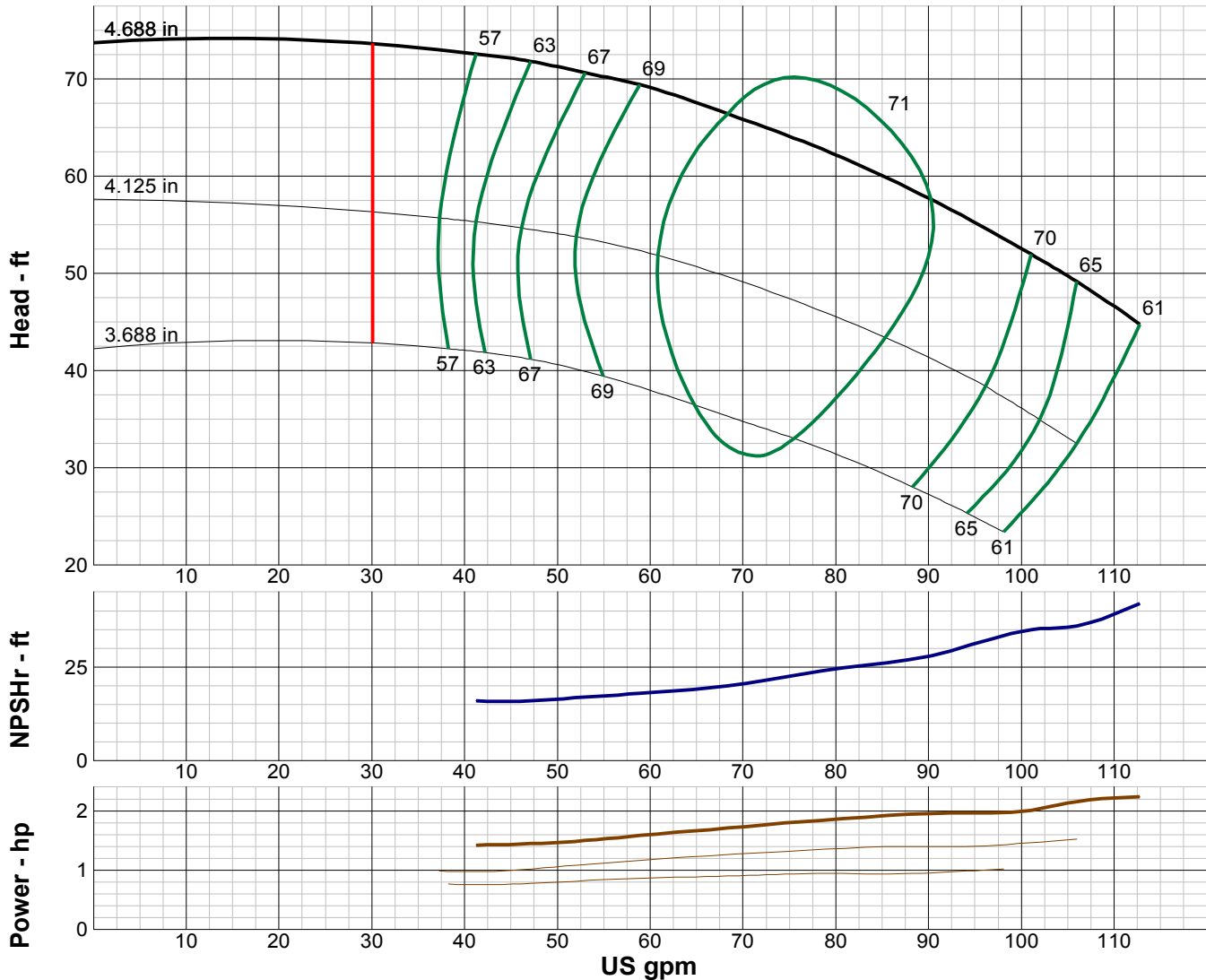
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 6JC 3450 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:	-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	-6
BOWL MATERIAL:	-1	-1	-1	-4

### FLANGED BOWL DATA

BOWL NUMBER	6515
BOWL MAX. DIAMETER	5.875 IN.
BOWL MIN. DIAMETER	5.563 IN.
MAX. NO. STAGES	60
ONE STAGE WEIGHT	75 LB.
ADD STAGE WEIGHT	15 LB.
STD. SHAFT DIA.	0.750 IN.
STD. LATERAL	0.375 IN.
DISCHARGE SIZE	4 IN.
DISCHARGE CONNECTION	THD
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.



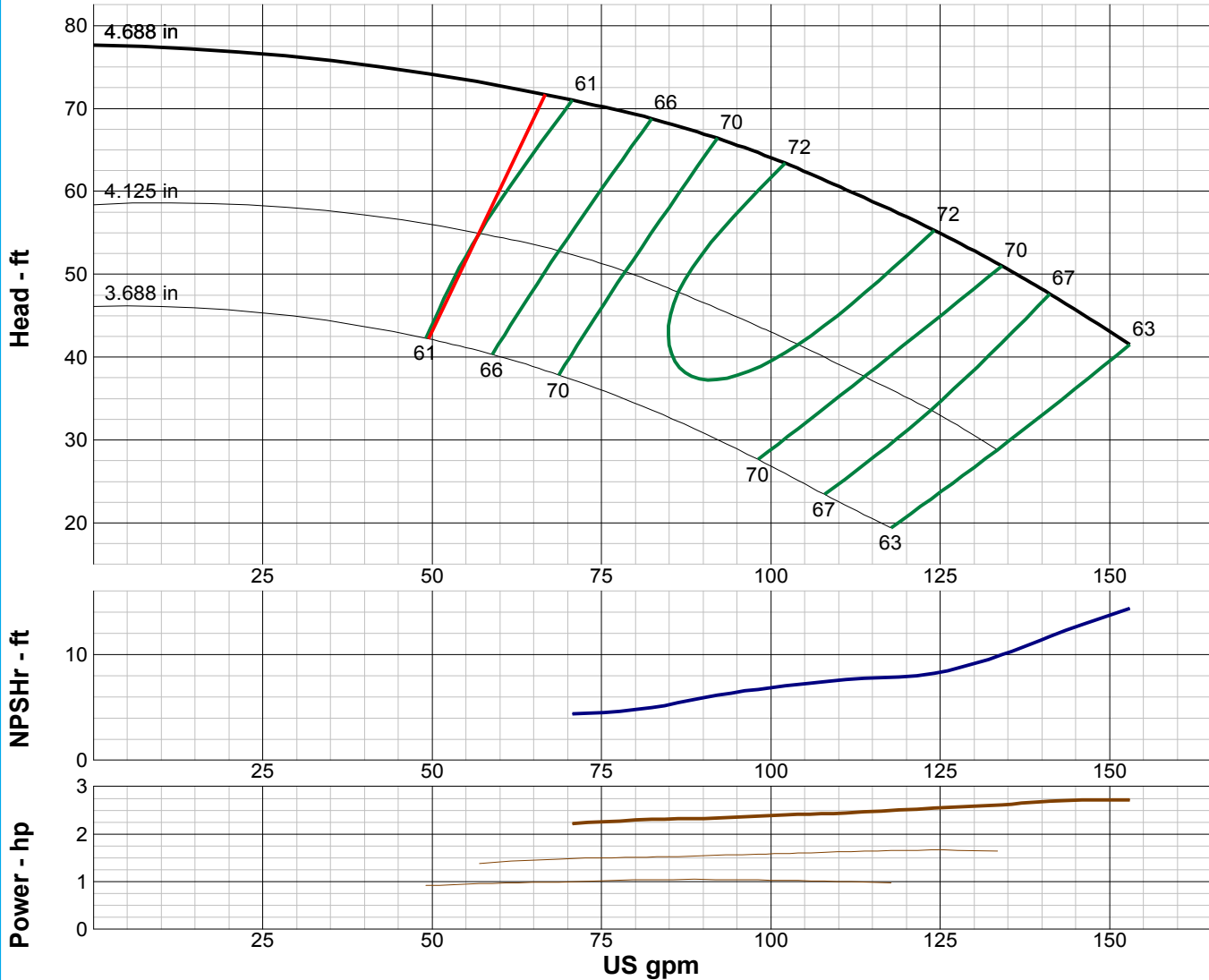
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 6LC 3450 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	-6
BOWL MATERIAL:	-1	-1	-1	-4

FLANGED BOWL DATA	
BOWL NUMBER	6515
BOWL MAX. DIAMETER	5.875 IN.
BOWL MIN. DIAMETER	5.563 IN.
MAX. NO. STAGES	51
ONE STAGE WEIGHT	75 LB.
ADD STAGE WEIGHT	15 LB.
STD. SHAFT DIA.	0.750 IN.
STD. LATERAL	0.375 IN.
DISCHARGE SIZE	4 IN.
DISCHARGE CONNECTION	THD
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.



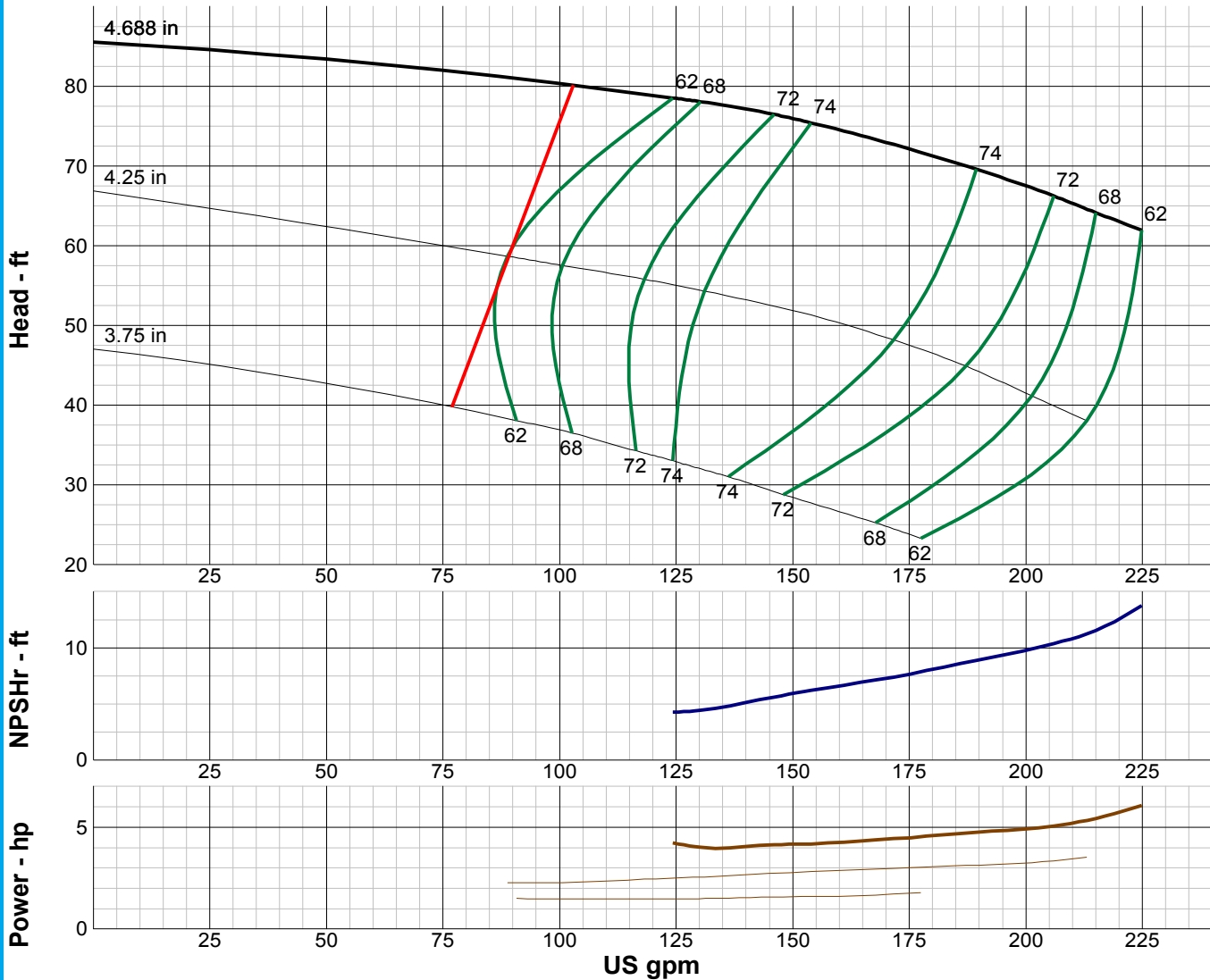
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 6MC 3450 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	-6
BOWL MATERIAL:	-1	-1	-1	-4

### FLANGED BOWL DATA

BOWL NUMBER	6616
BOWL MAX. DIAMETER	5.813 IN.
BOWL MIN. DIAMETER	5.563 IN.
MAX. NO. STAGES	26
ONE STAGE WEIGHT	75 LB.
ADD STAGE WEIGHT	15 LB.
STD. SHAFT DIA.	1.000 IN.
STD. LATERAL	0.438 IN.
DISCHARGE SIZE	4 IN.
DISCHARGE CONNECTION	THD
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.



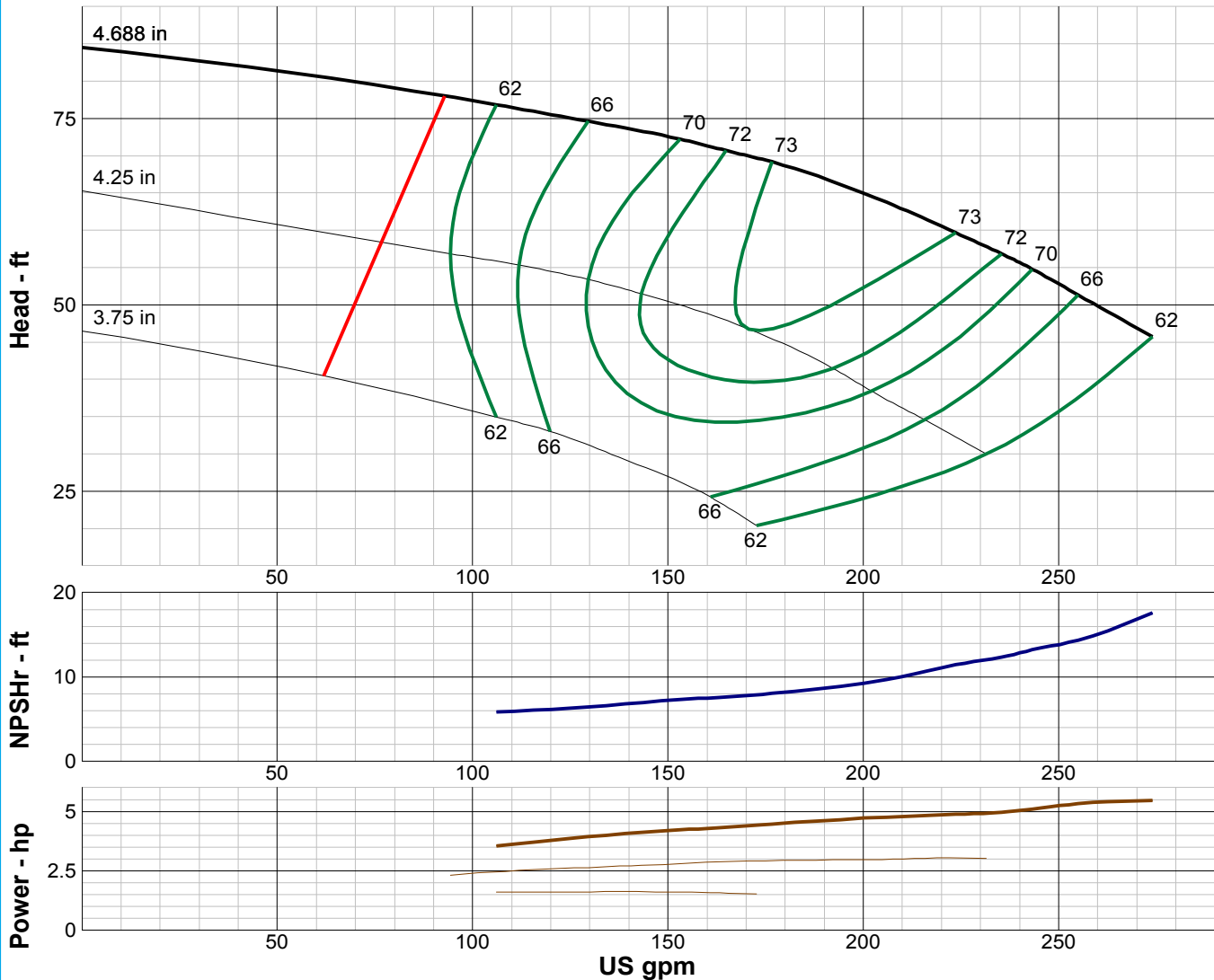
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 6HC 3450 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	-6
BOWL MATERIAL:	-1	-1	-1	-4

### FLANGED BOWL DATA

BOWL NUMBER	6616
BOWL MAX. DIAMETER	5.813 IN.
BOWL MIN. DIAMETER	5.563 IN.
MAX. NO. STAGES	26
ONE STAGE WEIGHT	75 LB.
ADD STAGE WEIGHT	15 LB.
STD. SHAFT DIA.	1.000 IN.
STD. LATERAL	0.375 IN.
DISCHARGE SIZE	4 IN.
DISCHARGE CONNECTION	THD
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.



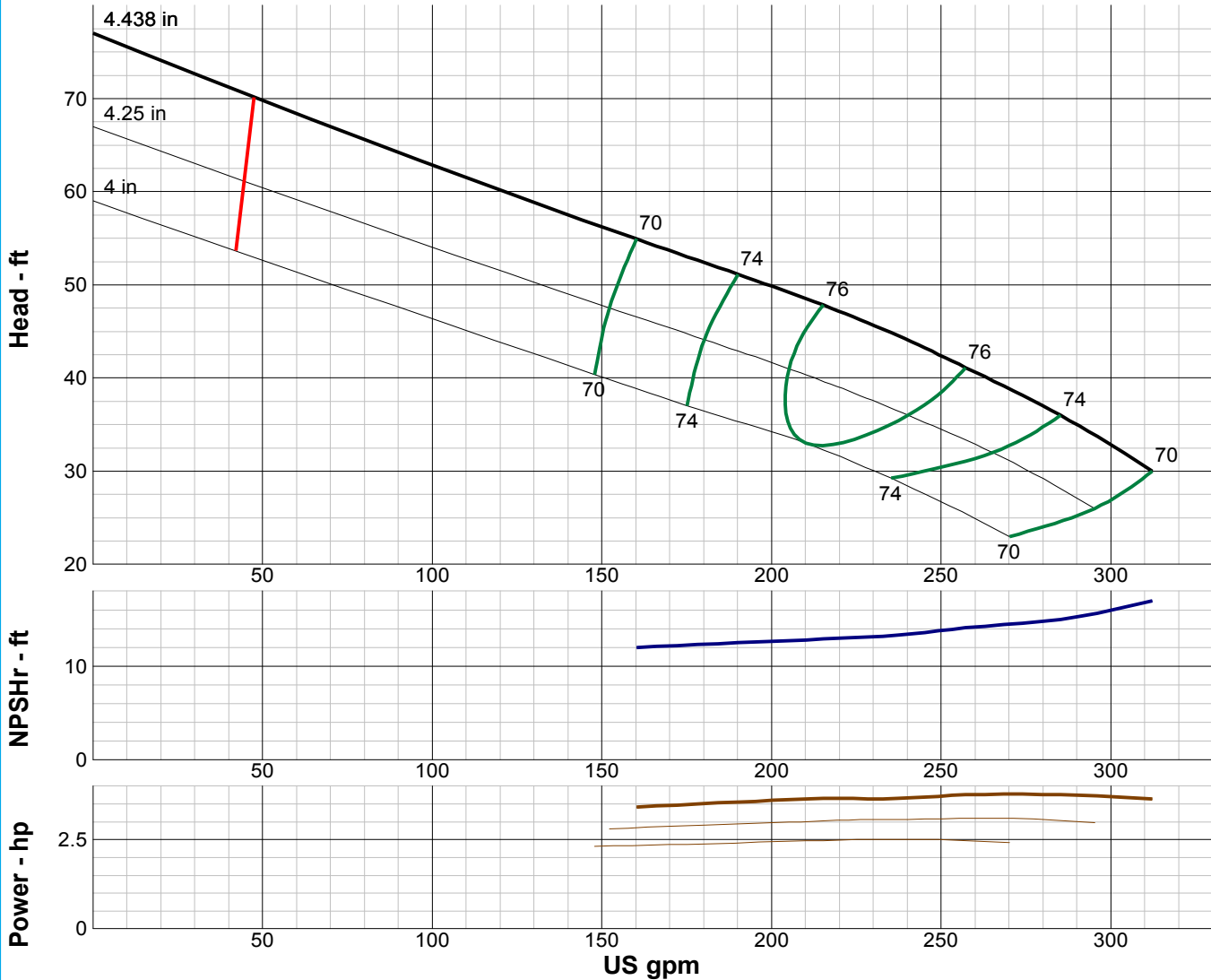
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 6 LCR 3450 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	30
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
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.





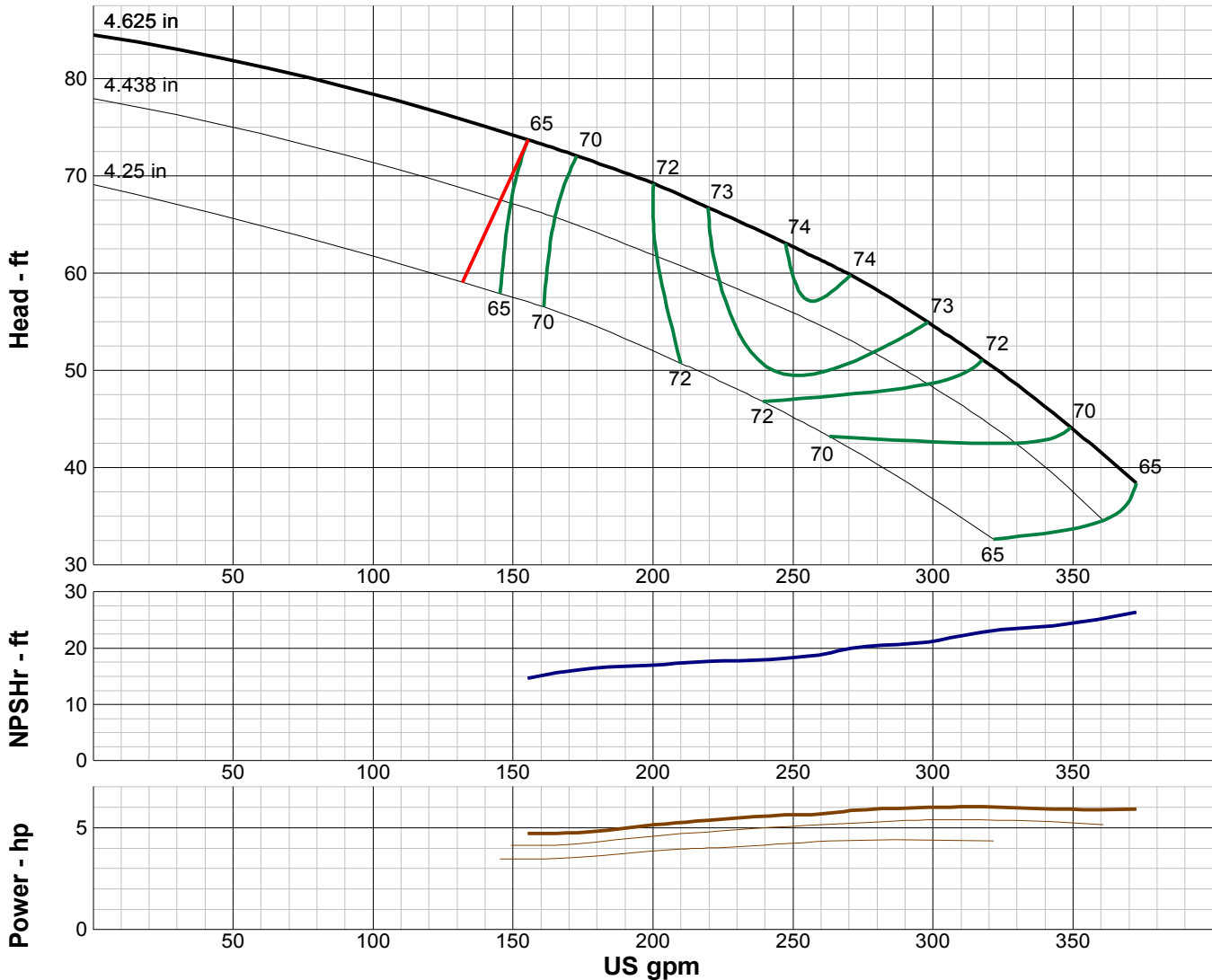
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 6XC 3450 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	-6
BOWL MATERIAL:	-1	-1	-1	-4

FLANGED BOWL DATA	
BOWL NUMBER	6919
BOWL MAX. DIAMETER	5.813 IN.
BOWL MIN. DIAMETER	5.563 IN.
MAX. NO. STAGES	21
ONE STAGE WEIGHT	75 LB.
ADD STAGE WEIGHT	15 LB.
STD. SHAFT DIA.	1.000 IN.
STD. LATERAL	0.625 IN.
DISCHARGE SIZE	4 IN.
DISCHARGE CONNECTION	THD
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.



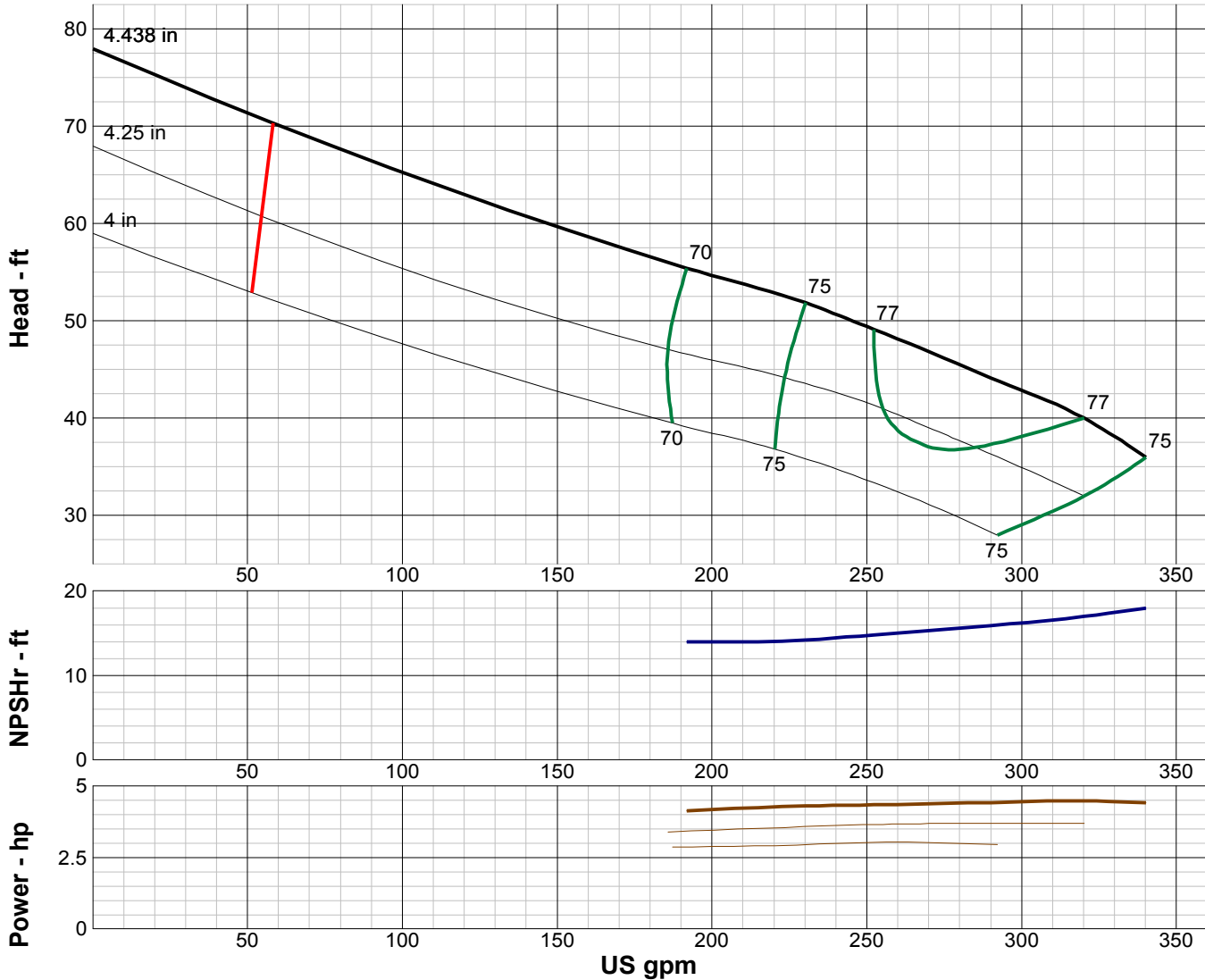
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 6 MCR 3450 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	30
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
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.



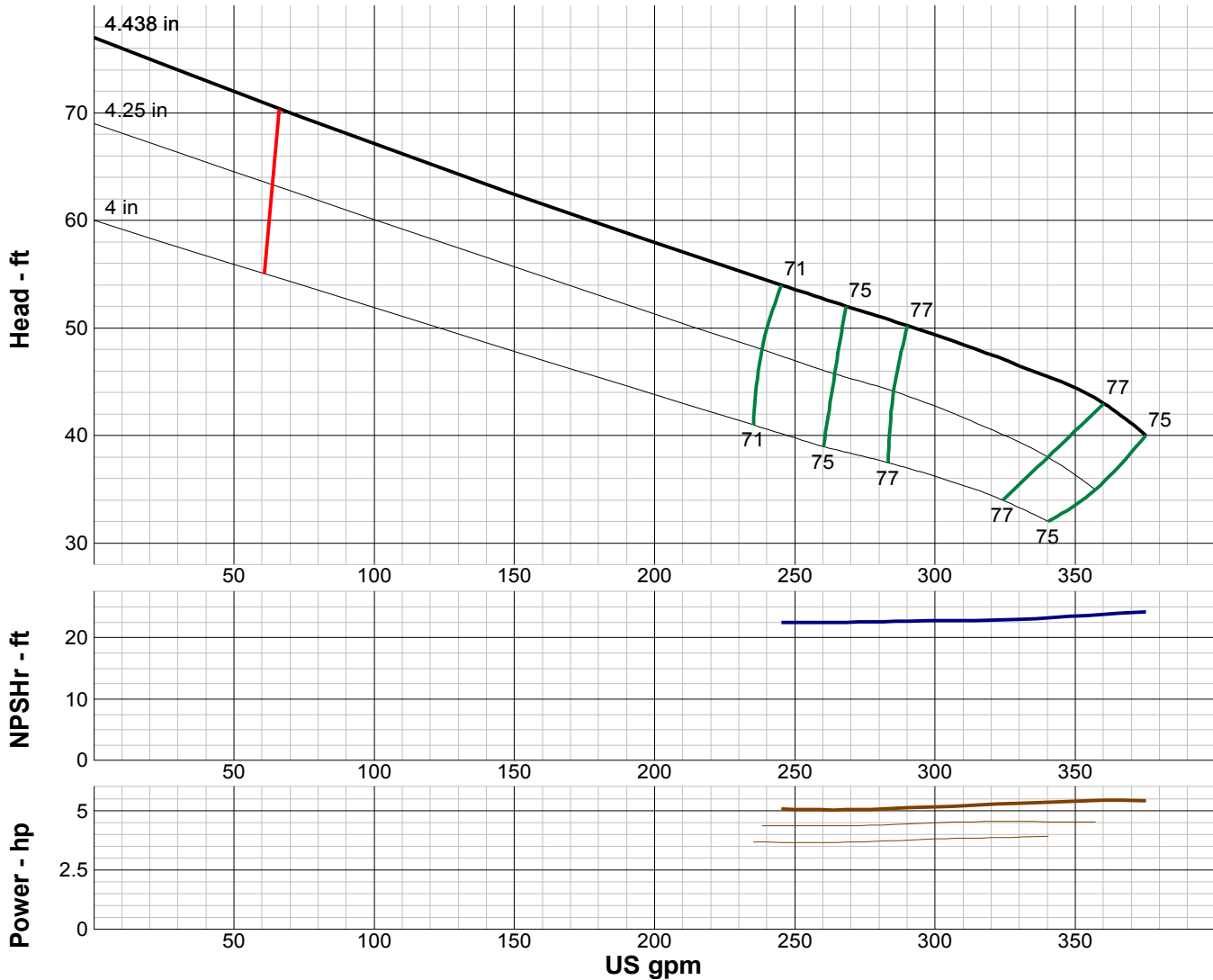
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 6HCR 3450 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	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	25
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
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.



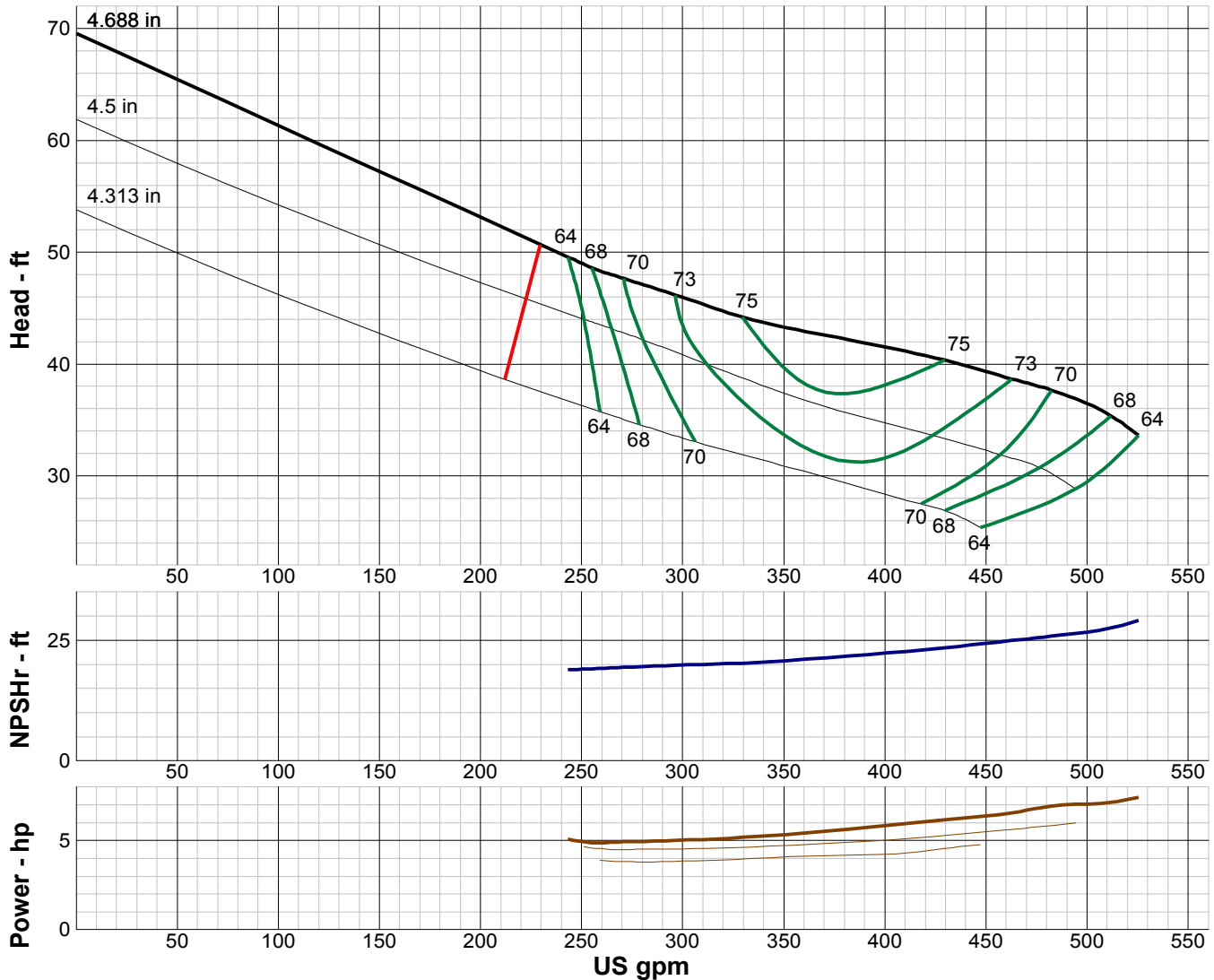
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 6WC 3450 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	-6
BOWL MATERIAL:	-1	-1	-1	-4

FLANGED BOWL DATA	
BOWL NUMBER	6818
BOWL MAX. DIAMETER	5.875 IN.
BOWL MIN. DIAMETER	5.563 IN.
MAX. NO. STAGES	16
ONE STAGE WEIGHT	75 LB.
ADD STAGE WEIGHT	15 LB.
STD. SHAFT DIA.	1.000 IN.
STD. LATERAL	0.438 IN.
DISCHARGE SIZE	4 IN.
DISCHARGE CONNECTION	THD
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.



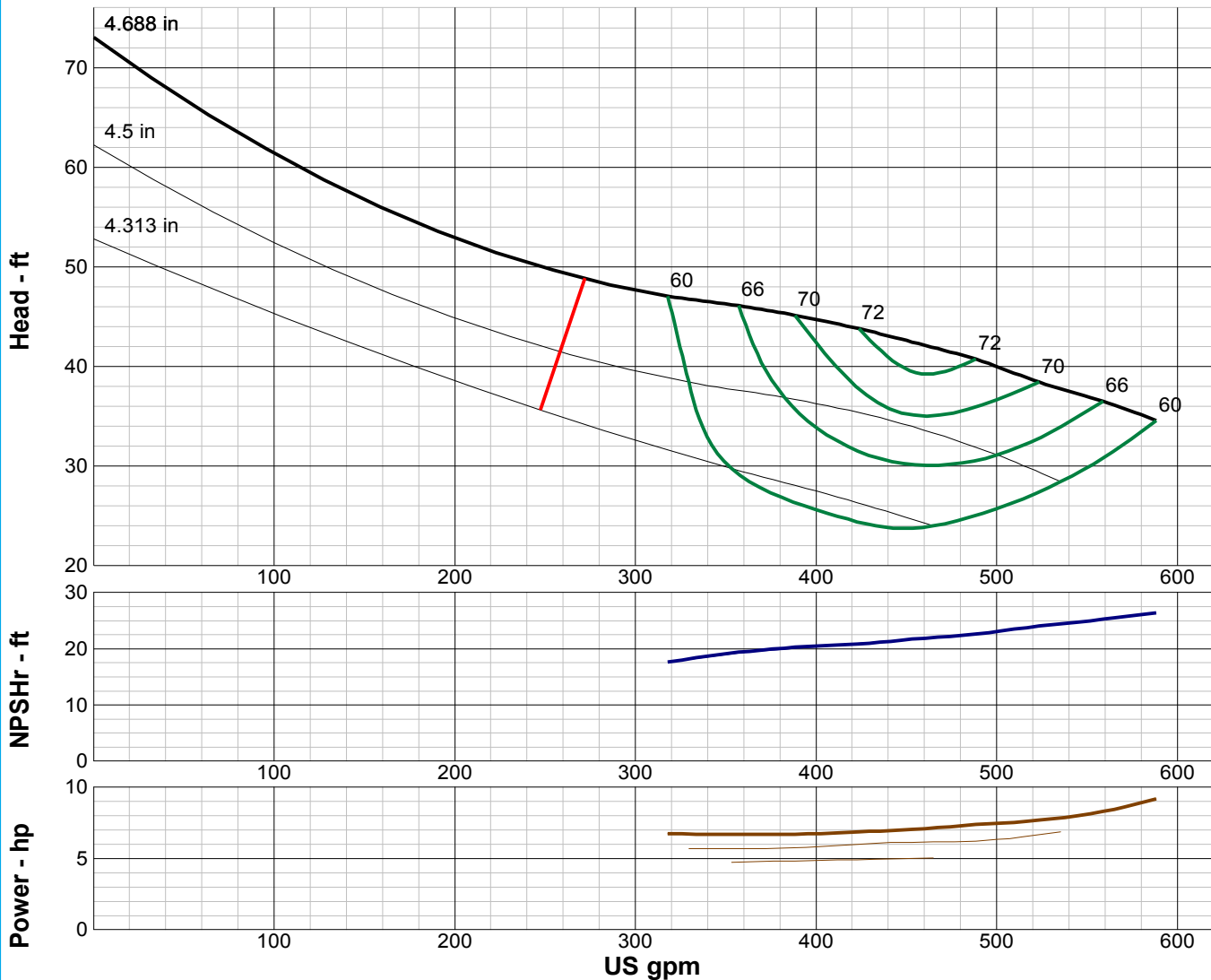
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 6YC 3450 RPM



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

FLANGED BOWL DATA	
BOWL NUMBER	6818
BOWL MAX. DIAMETER	5.875 IN.
BOWL MIN. DIAMETER	5.563 IN.
MAX. NO. STAGES	14
ONE STAGE WEIGHT	75 LB.
ADD STAGE WEIGHT	15 LB.
STD. SHAFT DIA.	1.000 IN.
STD. LATERAL	0.250 IN.
DISCHARGE SIZE	4 IN.
DISCHARGE CONNECTION	THD
SUCTION SIZE	4 IN.
SUCTION CONNECTION	THD
MAX. SPHERE SIZE	0.500 IN.
MAX. OPERATIONAL P.S.I.	360 (SPECIAL)

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	-6
BOWL MATERIAL:	-1	-1	-1	-4

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.



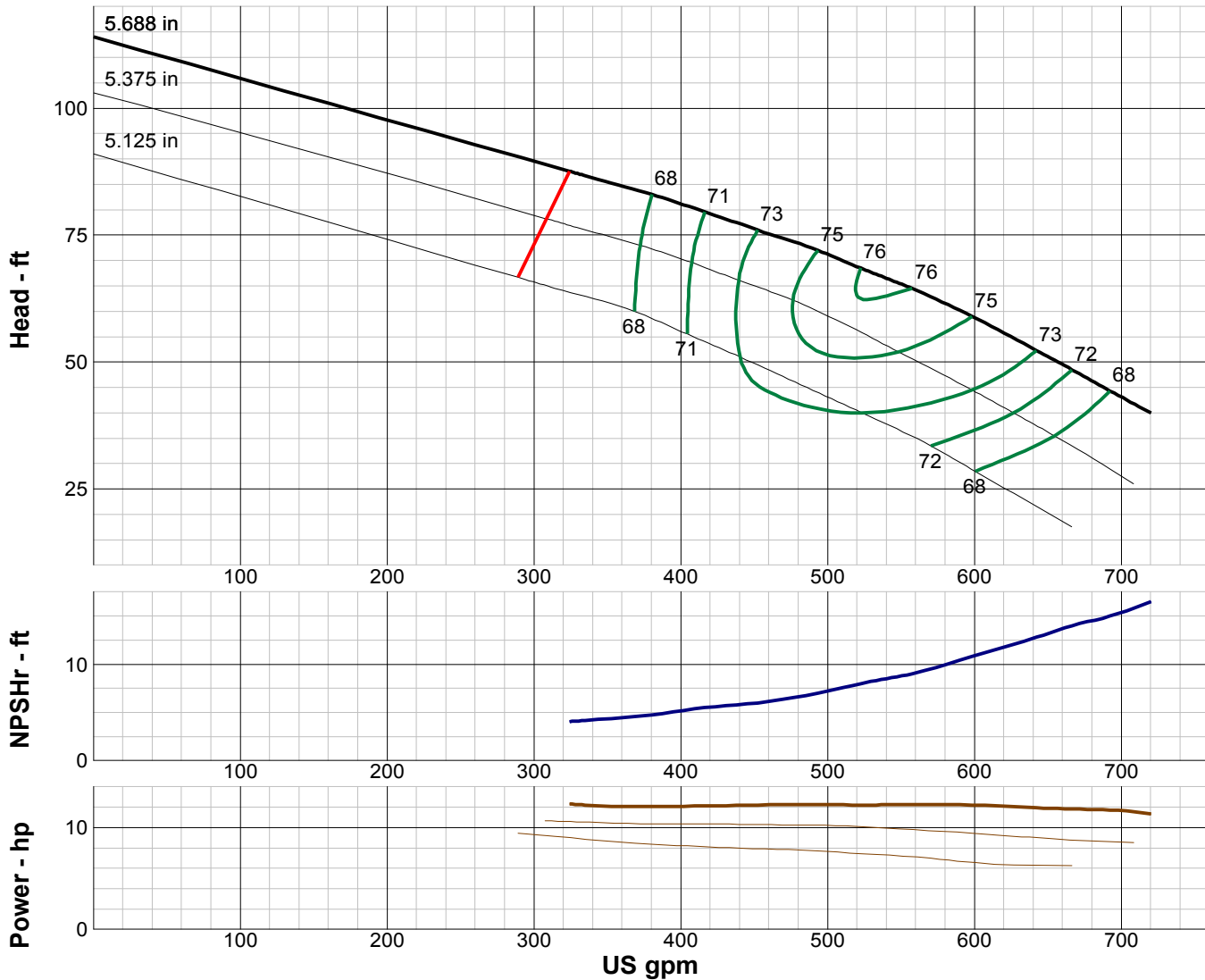
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 7MC 3450 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	5.0 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	-6
BOWL MATERIAL:	-2	-2	-2	-3

### FLANGED BOWL DATA

BOWL NUMBER	6947
BOWL MAX. DIAMETER	7.313 IN.
BOWL MIN. DIAMETER	7.125 IN.
MAX. NO. STAGES	15
ONE STAGE WEIGHT	102 LB.
ADD STAGE WEIGHT	37 LB.
STD. SHAFT DIA.	1.188 IN.
STD. LATERAL	0.625 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD
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.



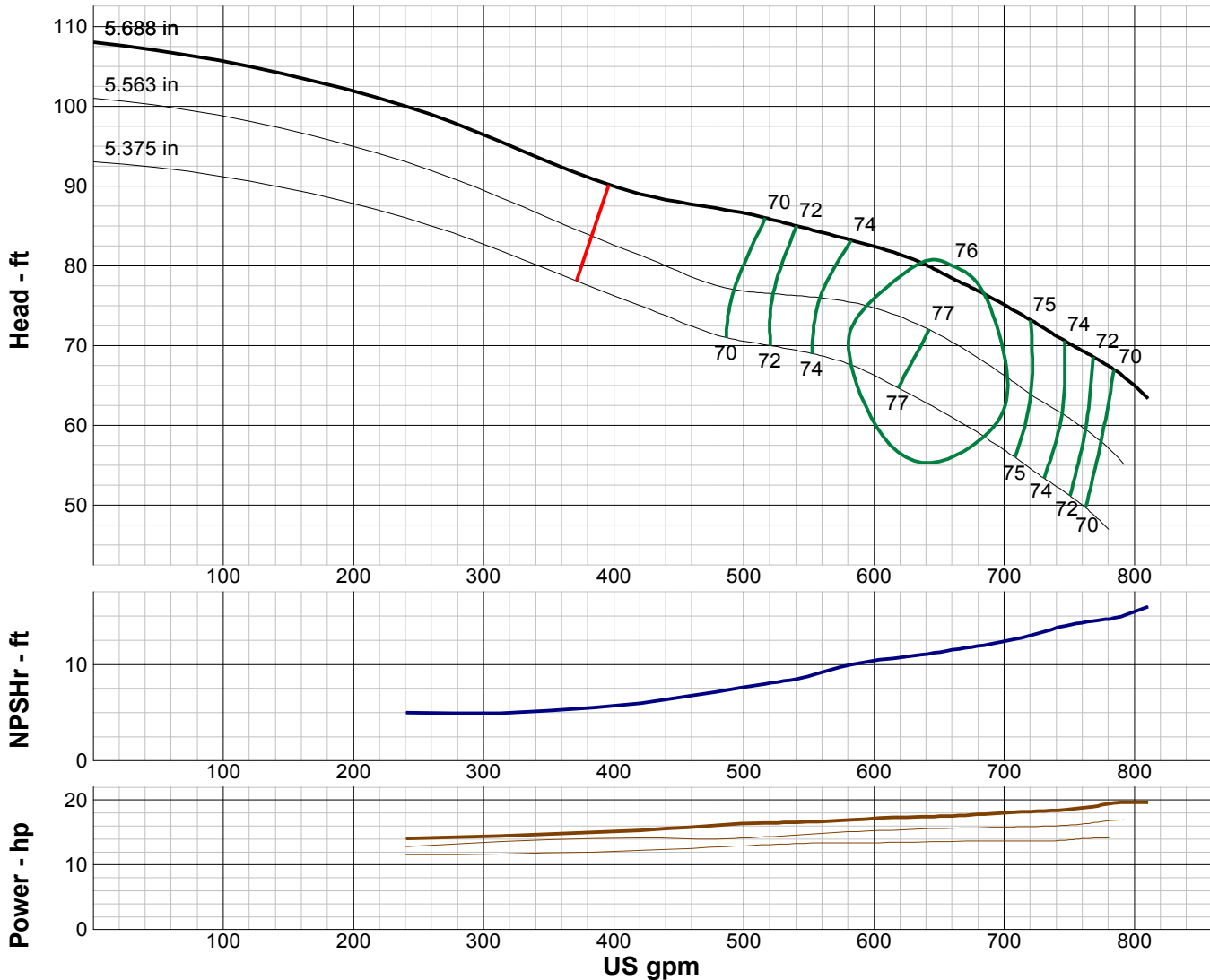
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 7HC 3450 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	-6
BOWL MATERIAL:	-2	-1	-2	-3

FLANGED BOWL DATA	
BOWL NUMBER	6947
BOWL MAX. DIAMETER	7.313 IN.
BOWL MIN. DIAMETER	7.125 IN.
MAX. NO. STAGES	13
ONE STAGE WEIGHT	102 LB.
ADD STAGE WEIGHT	37 LB.
STD. SHAFT DIA.	1.188 IN.
STD. LATERAL	0.625 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD
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.



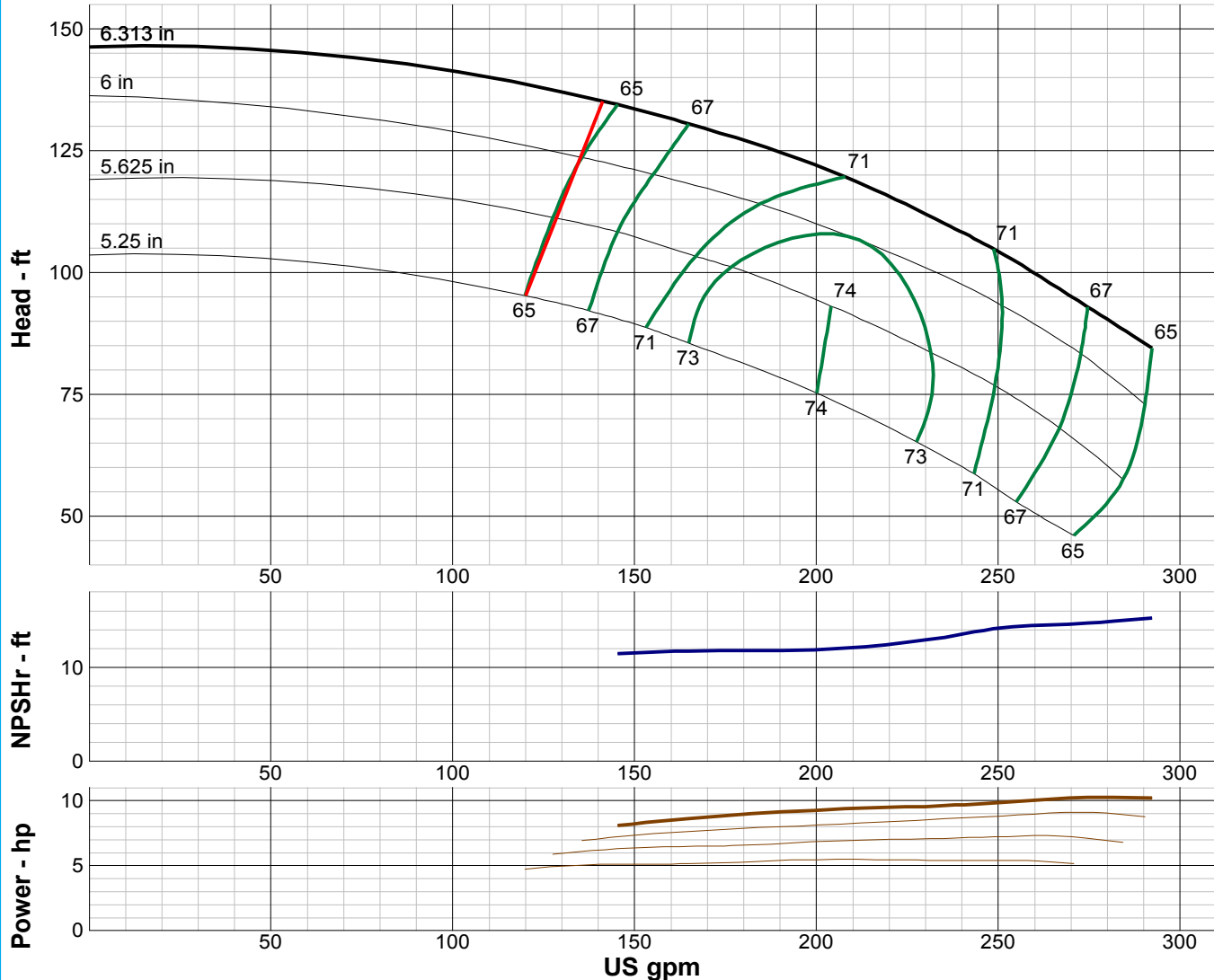
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 8JC 3450 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:	-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	-5
BOWL MATERIAL:	-2	-2	-2	-4

FLANGED BOWL DATA	
BOWL NUMBER	3629
BOWL MAX. DIAMETER	7.813 IN.
BOWL MIN. DIAMETER	7.500 IN.
MAX. NO. STAGES	15
ONE STAGE WEIGHT	130 LB.
ADD STAGE WEIGHT	30 LB.
STD. SHAFT DIA.	1.000 IN.
STD. LATERAL	0.438 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD
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.





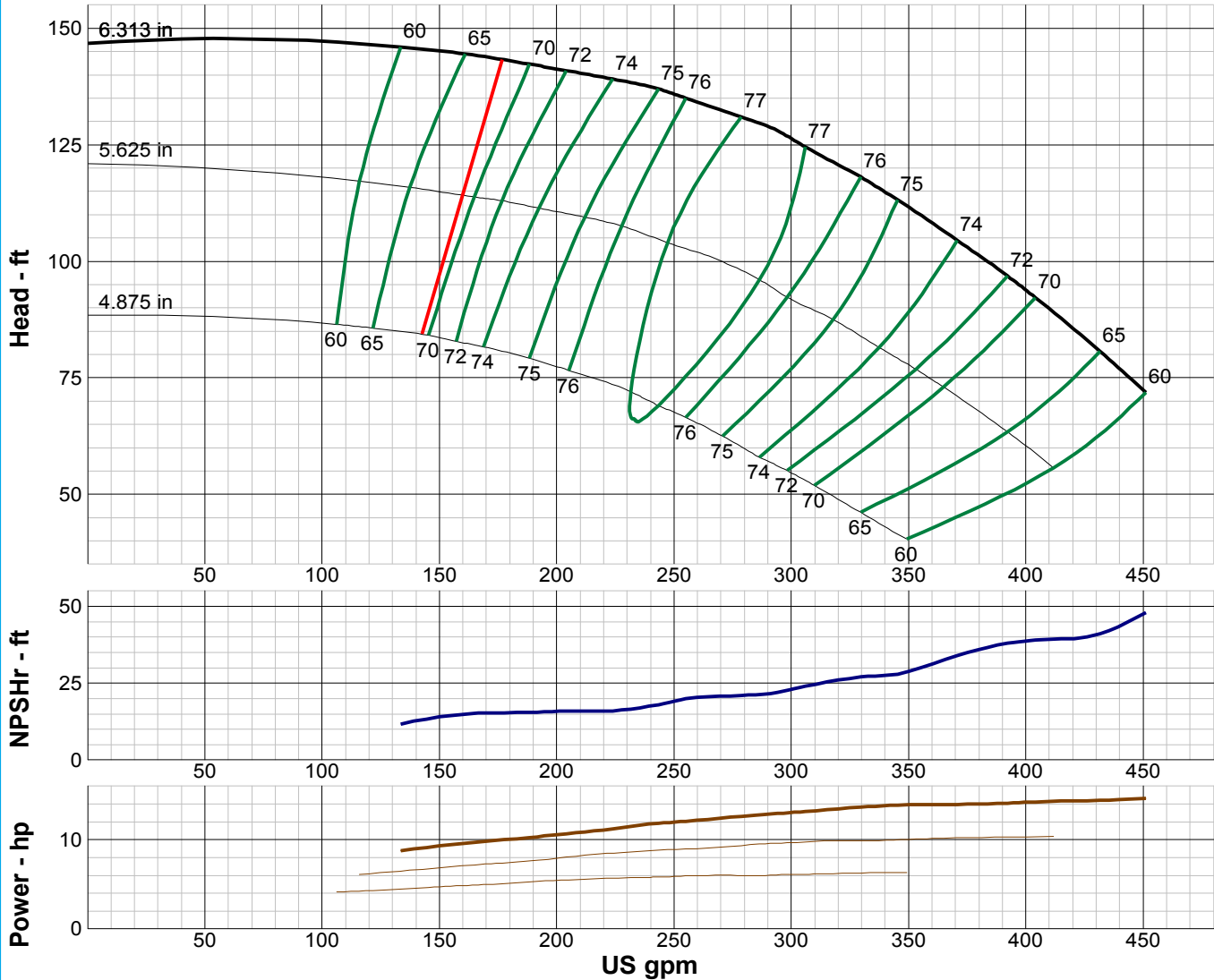
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 8LC 3450 RPM



### IMPELLER DATA

IMPELLER NUMBER	3630	Minimum submergence above eye of bottom impeller: 18 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	-5
BOWL MATERIAL:	-2	-2	-2	-4

### FLANGED BOWL DATA

BOWL NUMBER	3629
BOWL MAX. DIAMETER	7.813 IN.
BOWL MIN. DIAMETER	7.500 IN.
MAX. NO. STAGES	12
ONE STAGE WEIGHT	130 LB.
ADD STAGE WEIGHT	30 LB.
STD. SHAFT DIA.	1.000 IN.
STD. LATERAL	0.438 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD
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.



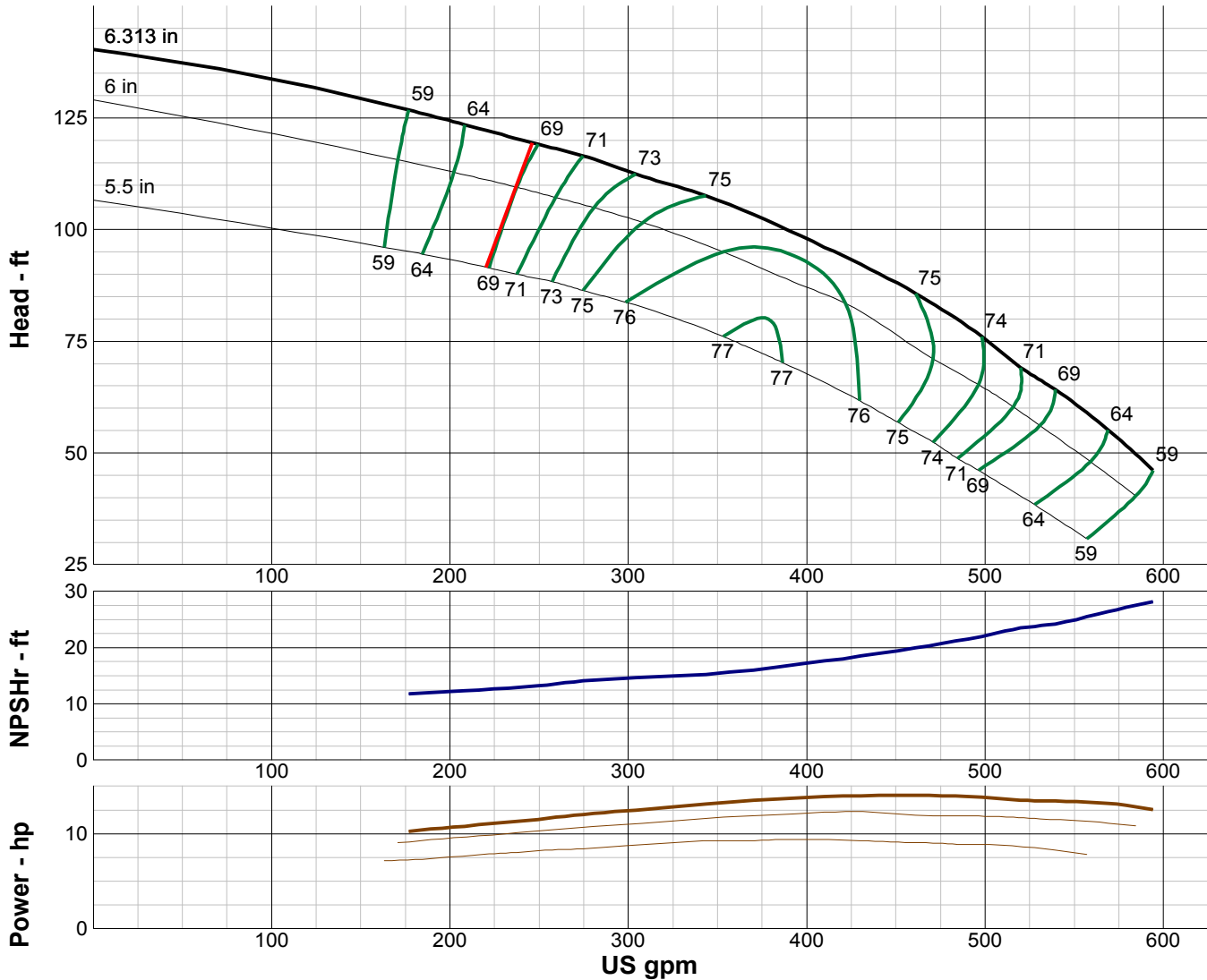
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 8KC 3450 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:	-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	-5
BOWL MATERIAL:	-2	-2	-2	-4

### FLANGED BOWL DATA

BOWL NUMBER	3591
BOWL MAX. DIAMETER	7.938 IN.
BOWL MIN. DIAMETER	7.500 IN.
MAX. NO. STAGES	10
ONE STAGE WEIGHT	130 LB.
ADD STAGE WEIGHT	30 LB.
STD. SHAFT DIA.	1.000 IN.
STD. LATERAL	0.438 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD
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.



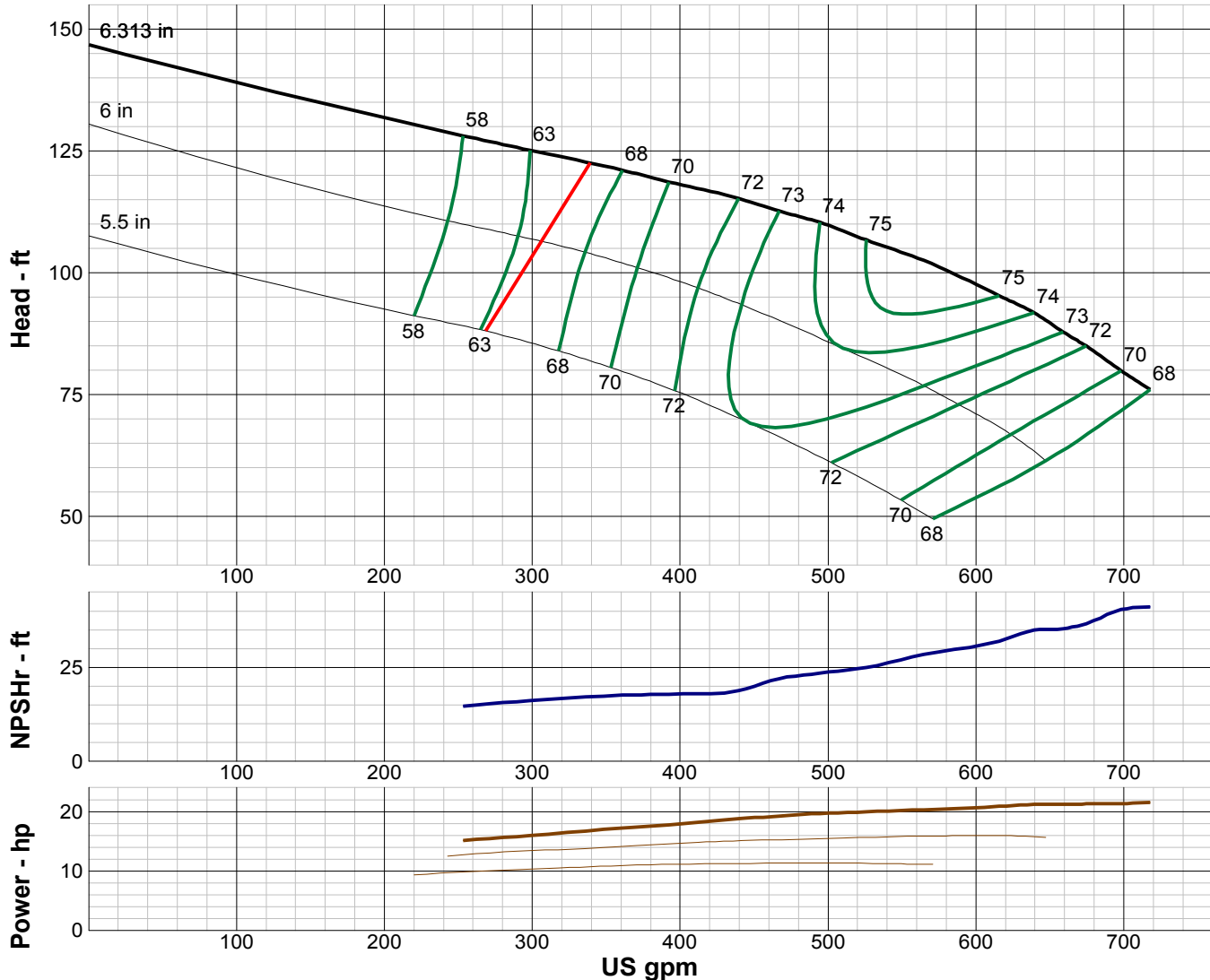
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 8MC 3450 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
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	-5
BOWL MATERIAL:	-2	-2	-2	-4

FLANGED BOWL DATA	
BOWL NUMBER	3591
BOWL MAX. DIAMETER	7.938 IN.
BOWL MIN. DIAMETER	7.500 IN.
MAX. NO. STAGES	8
ONE STAGE WEIGHT	130 LB.
ADD STAGE WEIGHT	30 LB.
STD. SHAFT DIA.	1.000 IN.
STD. LATERAL	0.438 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD
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.



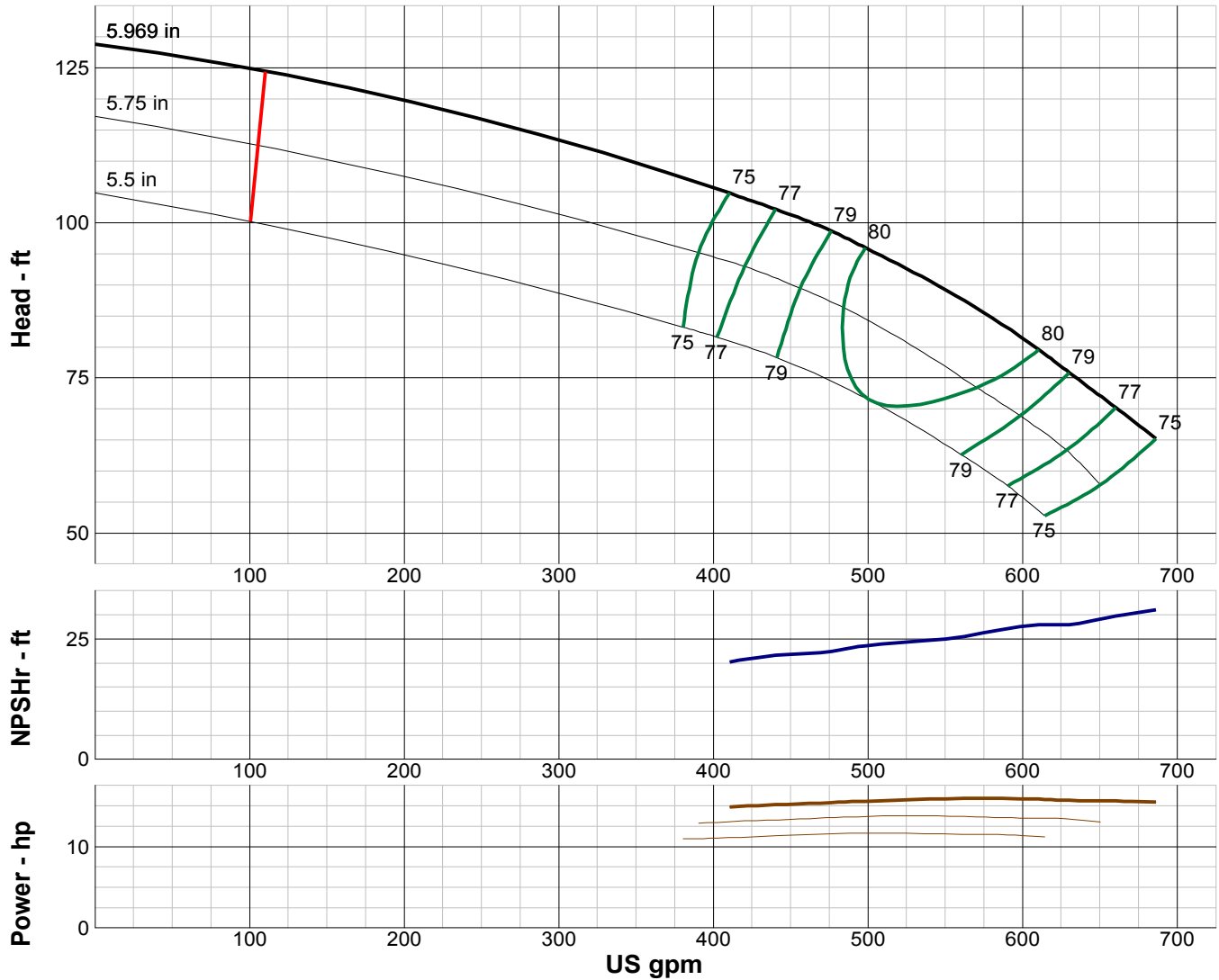
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 8LCR 3450 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	7
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
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.



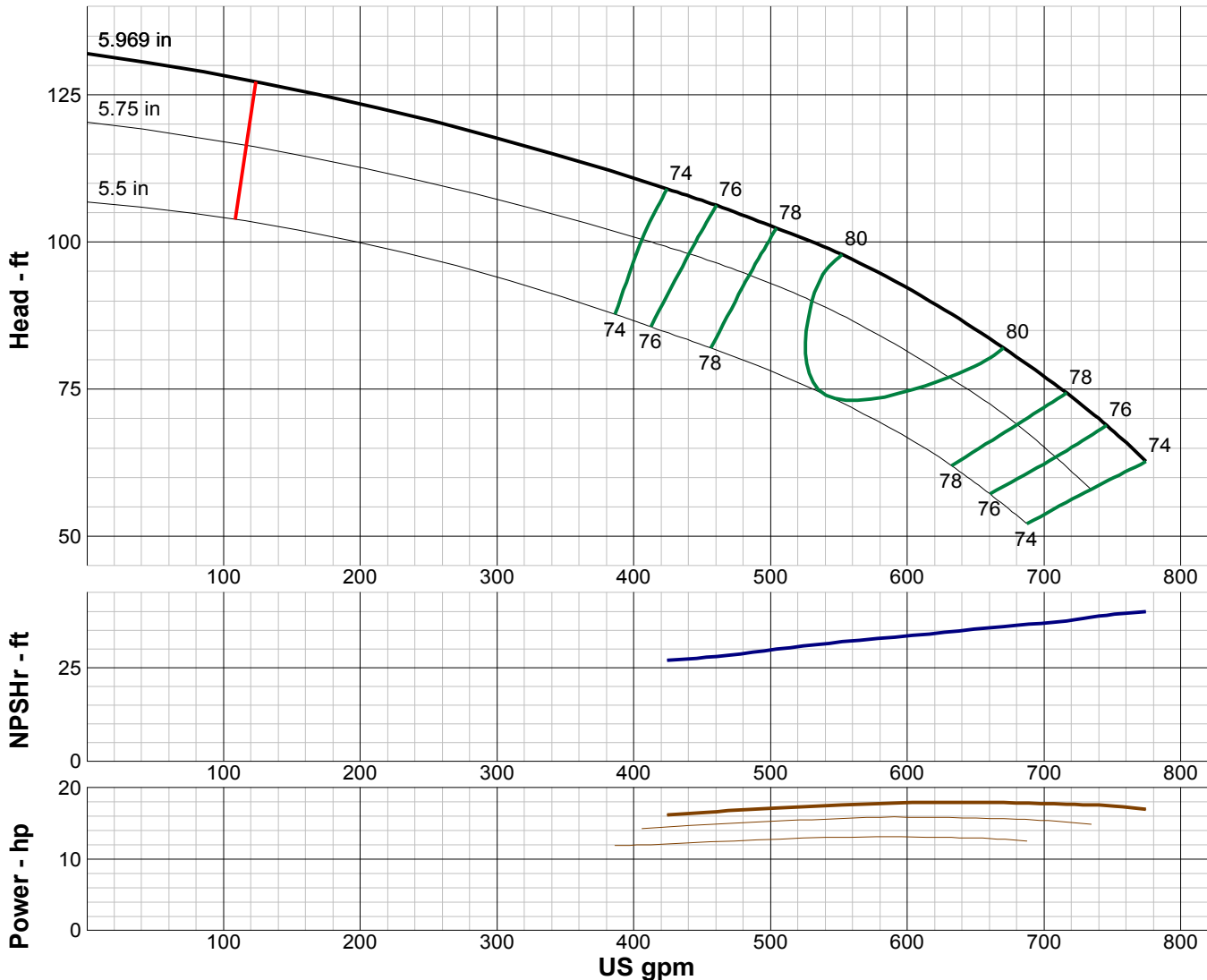
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 8MCR 3450 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	7
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
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.



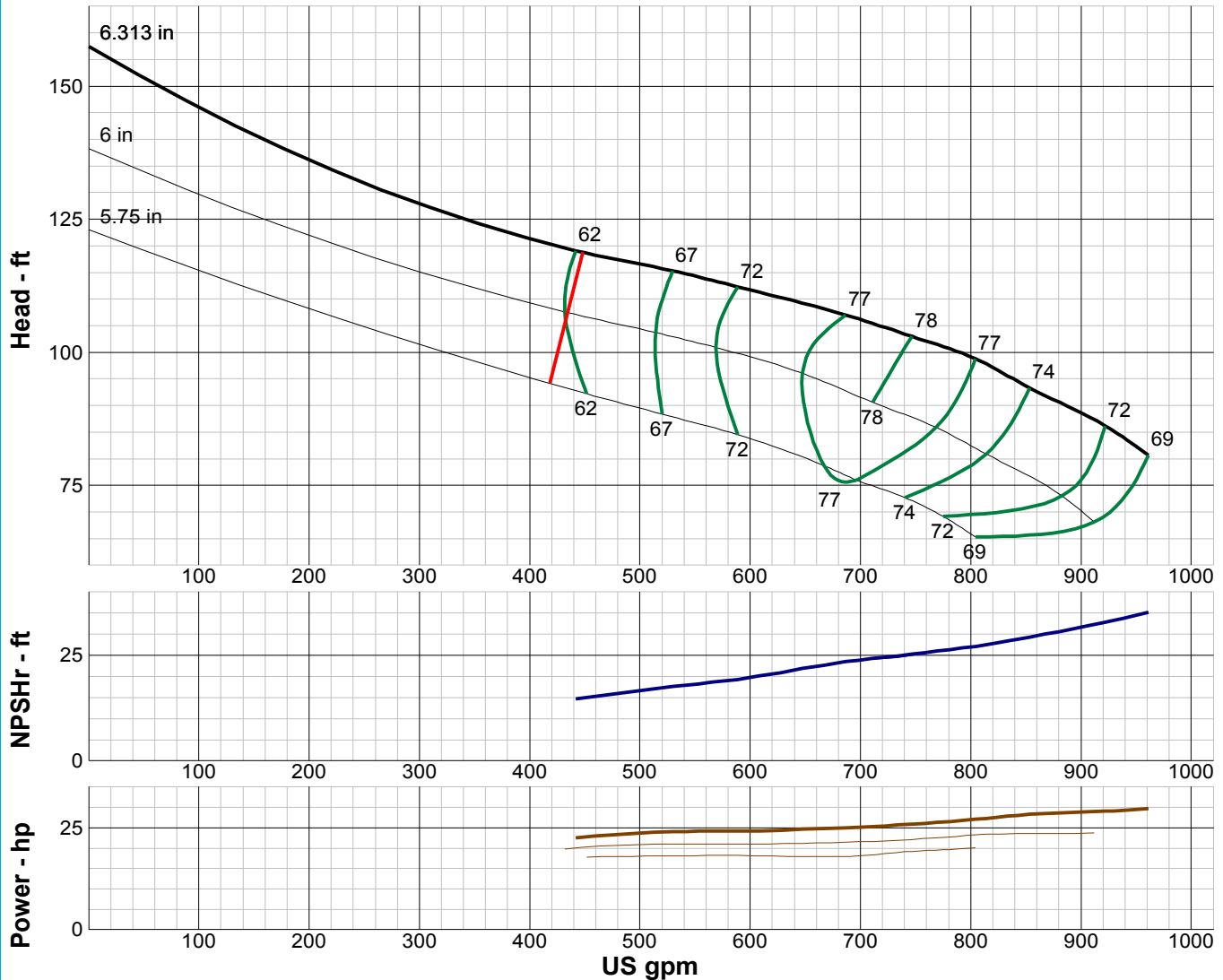
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 8EHC 3450 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	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	-5
BOWL MATERIAL:	-2	-2	-2	-4

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



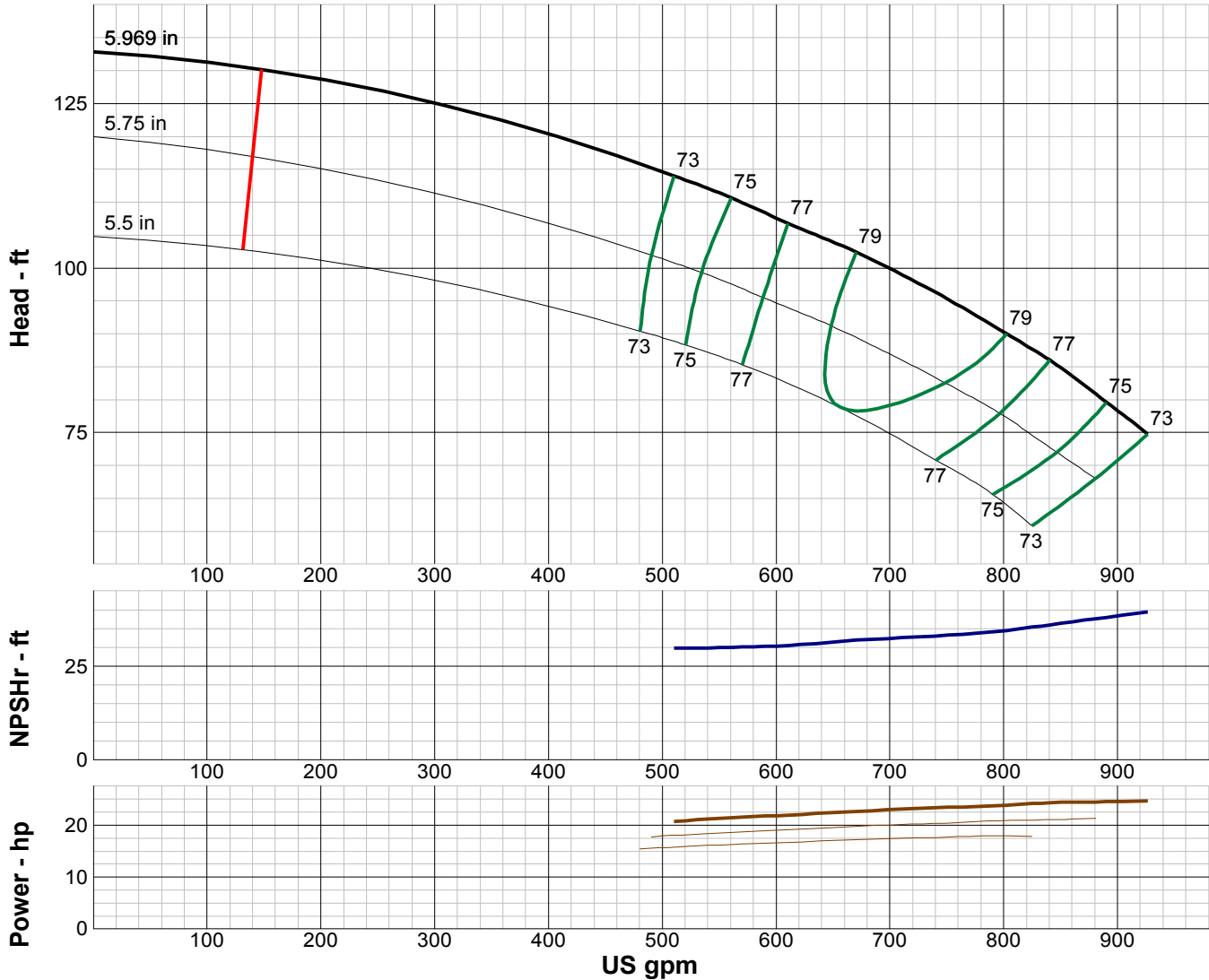
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 8HCR 3450 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	7
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
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.



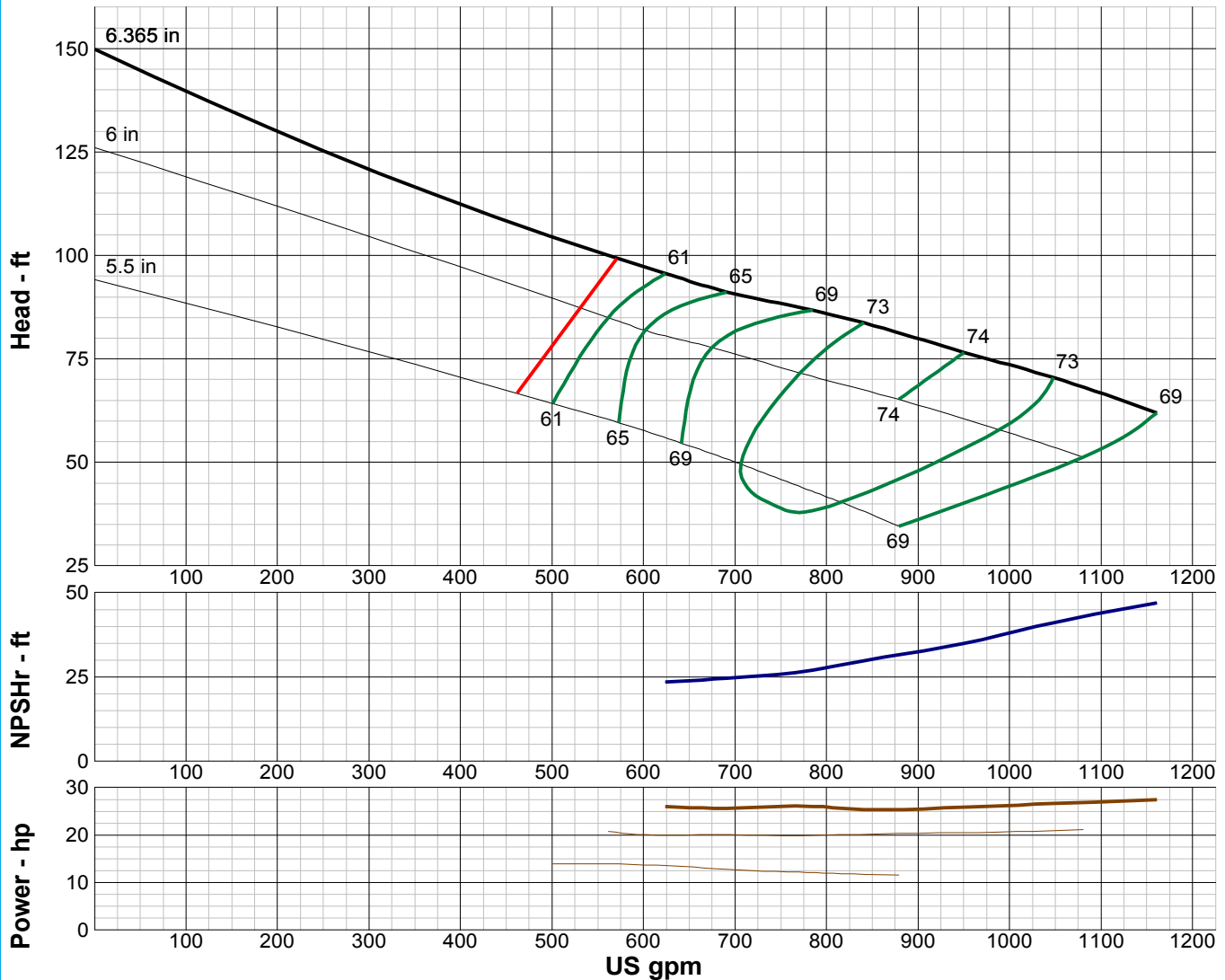
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 8YC 3450 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	-5
BOWL MATERIAL:	-2	-2	-2	-4

FLANGED BOWL DATA	
BOWL NUMBER	5503
BOWL MAX. DIAMETER	7.938 IN.
BOWL MIN. DIAMETER	7.500 IN.
MAX. NO. STAGES	9
ONE STAGE WEIGHT	139 LB.
ADD STAGE WEIGHT	39 LB.
STD. SHAFT DIA.	1.188 IN.
STD. LATERAL	0.375 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD
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.





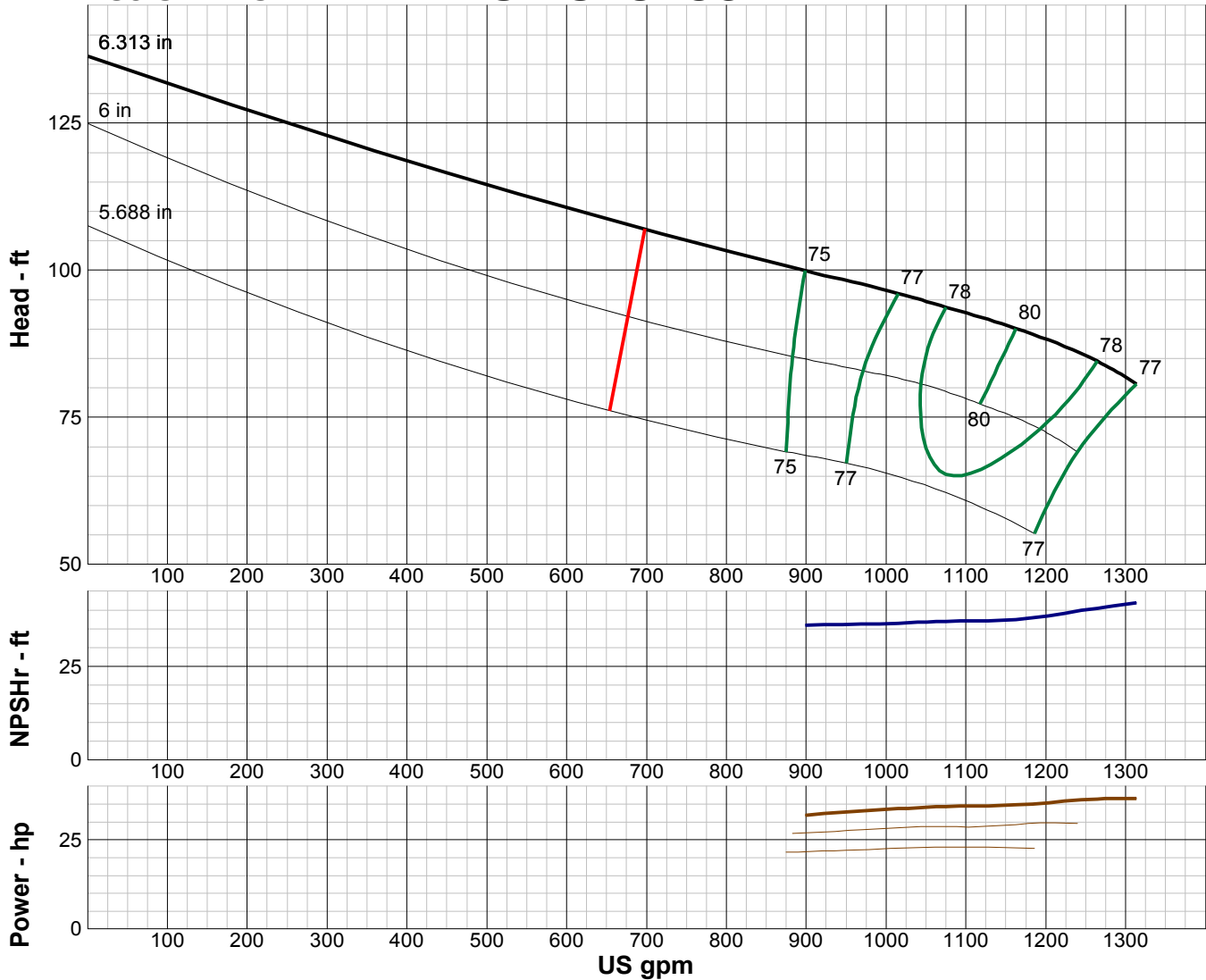
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 8WC 3450 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	-5
BOWL MATERIAL:	-2	-2	-2	-4

THREADED BOWL DATA	
BOWL NUMBER	3169
BOWL MAX. DIAMETER	7.750 IN.
BOWL MIN. DIAMETER	7.625 IN.
MAX. NO. STAGES	7
ONE STAGE WEIGHT	88 LB.
ADD STAGE WEIGHT	39 LB.
STD. SHAFT DIA.	1.188 IN.
STD. LATERAL	0.500 IN.
DISCHARGE SIZE	5 - 6 IN.
DISCHARGE CONNECTION	THD
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.



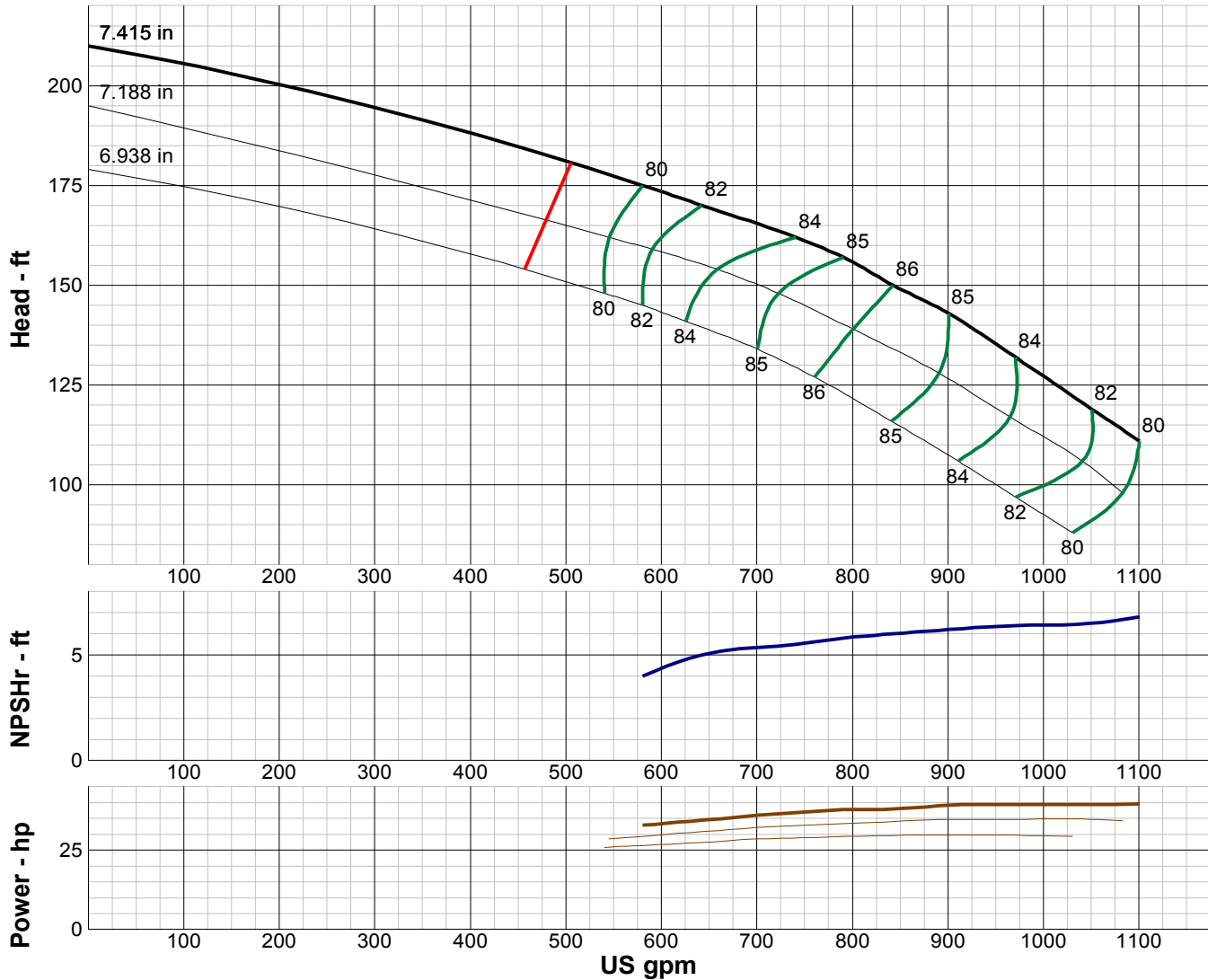
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 9LC 3450 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	4
CHANGE AS FOLLOWS:	-2	-1	-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	-3
BOWL MATERIAL:	-2	-2	-2	-3

### FLANGED BOWL DATA

BOWL NUMBER	7038
BOWL MAX. DIAMETER	9.438 IN.
BOWL MIN. DIAMETER	9.250 IN.
MAX. NO. STAGES	12
ONE STAGE WEIGHT	145 LB.
ADD STAGE WEIGHT	50 LB.
STD. SHAFT DIA.	1.500 IN.
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	0.750 IN.
MAX. OPERATIONAL P.S.I.	595 (SPECIAL)

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



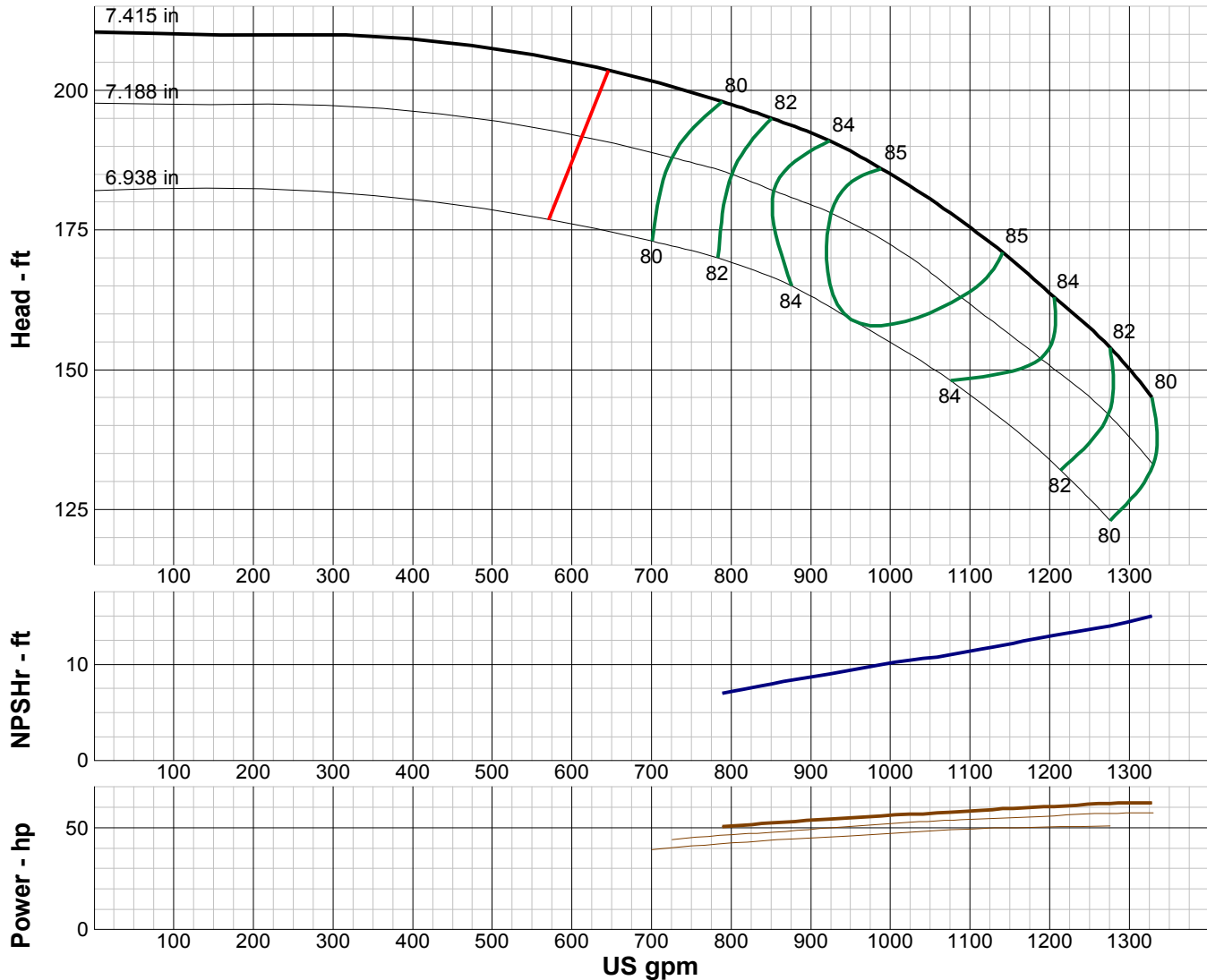
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 9HC 3450 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	4
CHANGE AS FOLLOWS:	-2	-1	-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	-3
BOWL MATERIAL:	-2	-2	-2	-3

FLANGED BOWL DATA	
BOWL NUMBER	7038
BOWL MAX. DIAMETER	9.438 IN.
BOWL MIN. DIAMETER	9.250 IN.
MAX. NO. STAGES	9
ONE STAGE WEIGHT	145 LB.
ADD STAGE WEIGHT	50 LB.
STD. SHAFT DIA.	1.500 IN.
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	0.750 IN.
MAX. OPERATIONAL P.S.I.	595 (SPECIAL)

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



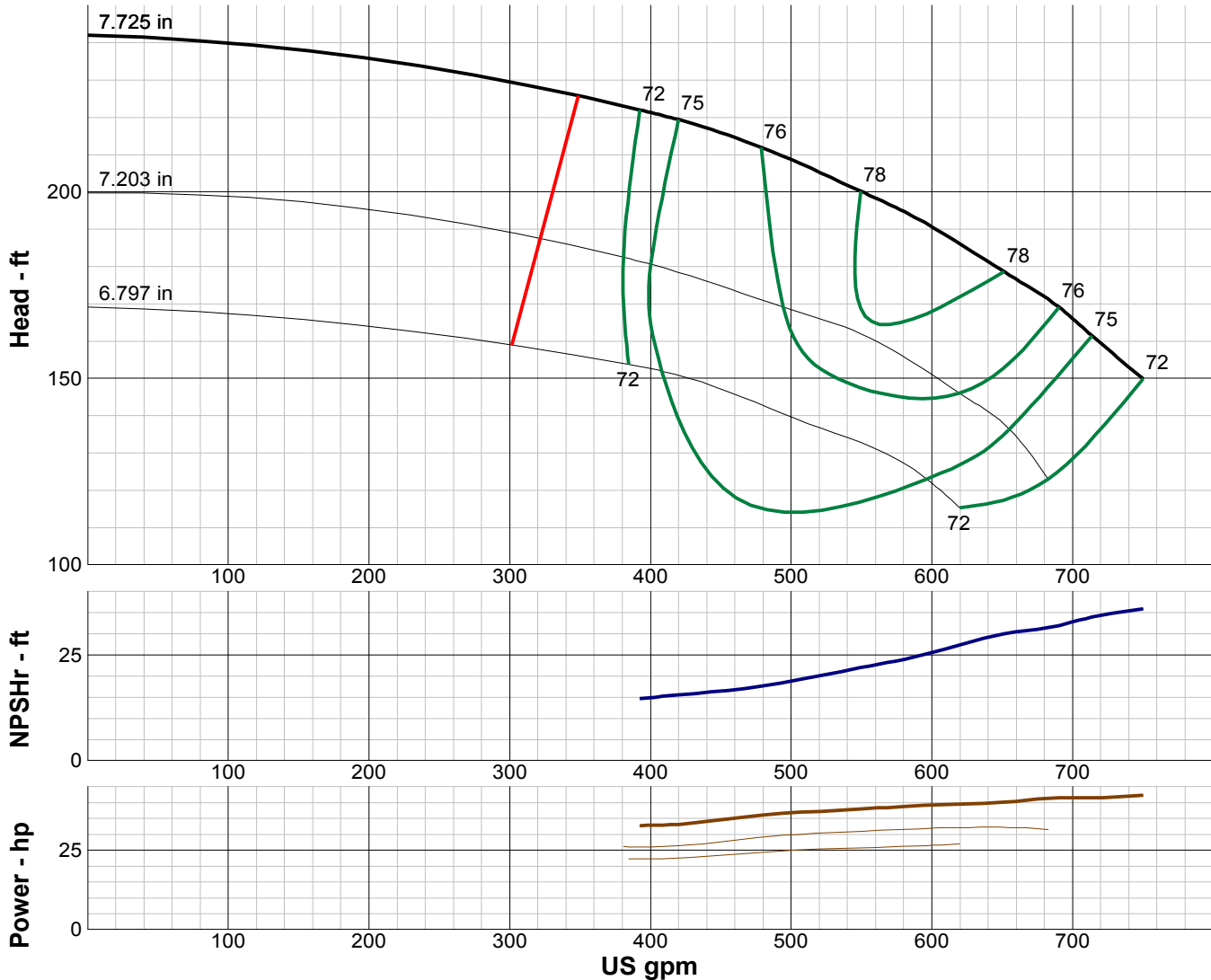
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 10JC 3450 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	-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	-3

FLANGED BOWL DATA	
BOWL NUMBER	3096
BOWL MAX. DIAMETER	9.875 IN.
BOWL MIN. DIAMETER	9.500 IN.
MAX. NO. STAGES	13
ONE STAGE WEIGHT	230 LB.
ADD STAGE WEIGHT	55 LB.
STD. SHAFT DIA.	1.500 IN.
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.



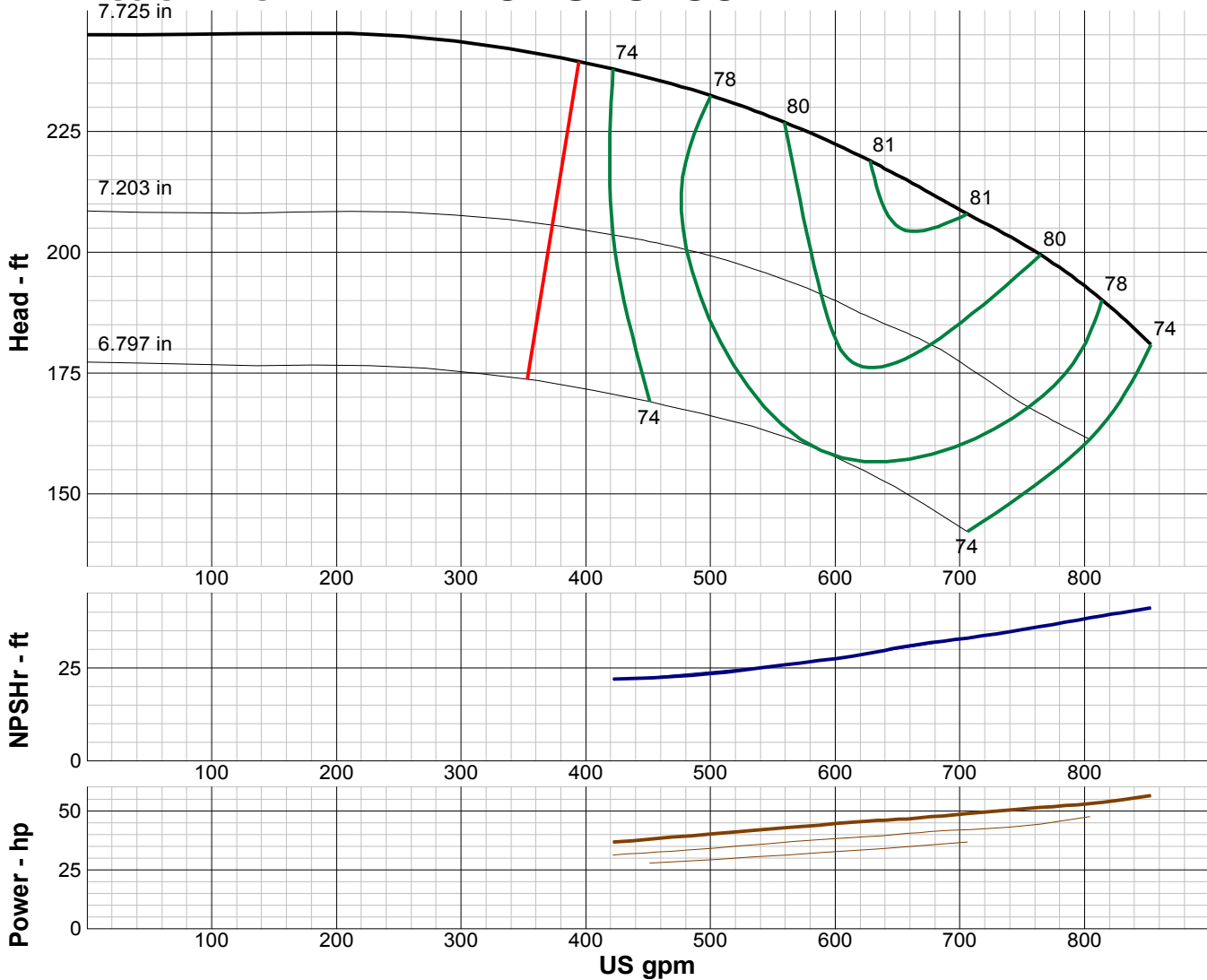
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 10KC 3450 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	-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	-3

### FLANGED BOWL DATA

BOWL NUMBER	3096
BOWL MAX. DIAMETER	9.875 IN.
BOWL MIN. DIAMETER	9.500 IN.
MAX. NO. STAGES	9
ONE STAGE WEIGHT	230 LB.
ADD STAGE WEIGHT	55 LB.
STD. SHAFT DIA.	1.500 IN.
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.



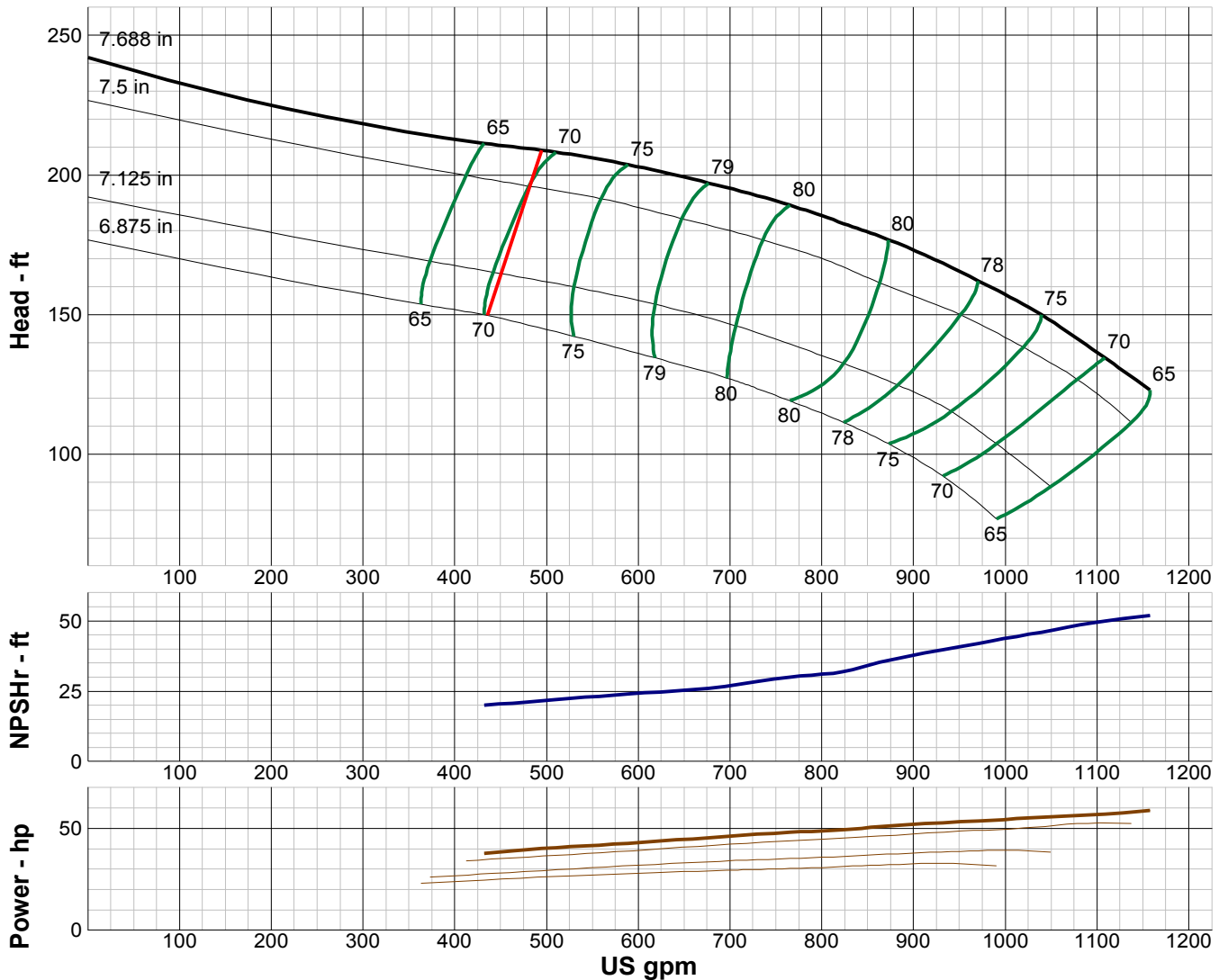
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 10LC 3450 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:	-2	0	-1	-2
BOWL MATERIAL:	-2	-2	-2	-3

FLANGED BOWL DATA	
BOWL NUMBER	3098
BOWL MAX. DIAMETER	9.500 IN.
BOWL MIN. DIAMETER	9.250 IN.
MAX. NO. STAGES	13
ONE STAGE WEIGHT	230 LB.
ADD STAGE WEIGHT	55 LB.
STD. SHAFT DIA.	1.500 IN.
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.



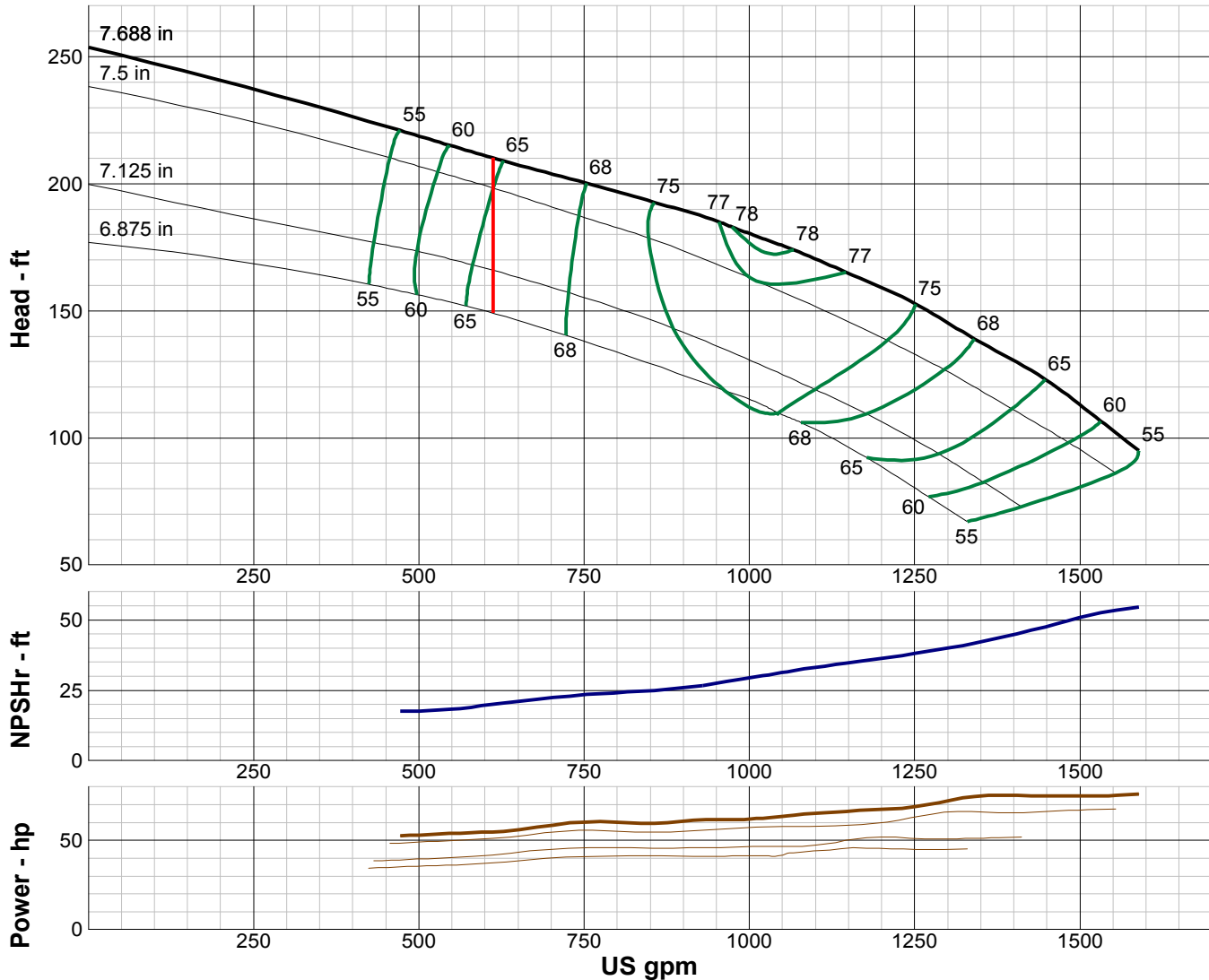
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 10MC 3450 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:	-2	0	-1	-2
BOWL MATERIAL:	-2	-2	-2	-3

FLANGED BOWL DATA	
BOWL NUMBER	3098
BOWL MAX. DIAMETER	9.500 IN.
BOWL MIN. DIAMETER	9.250 IN.
MAX. NO. STAGES	8
ONE STAGE WEIGHT	230 LB.
ADD STAGE WEIGHT	55 LB.
STD. SHAFT DIA.	1.500 IN.
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.



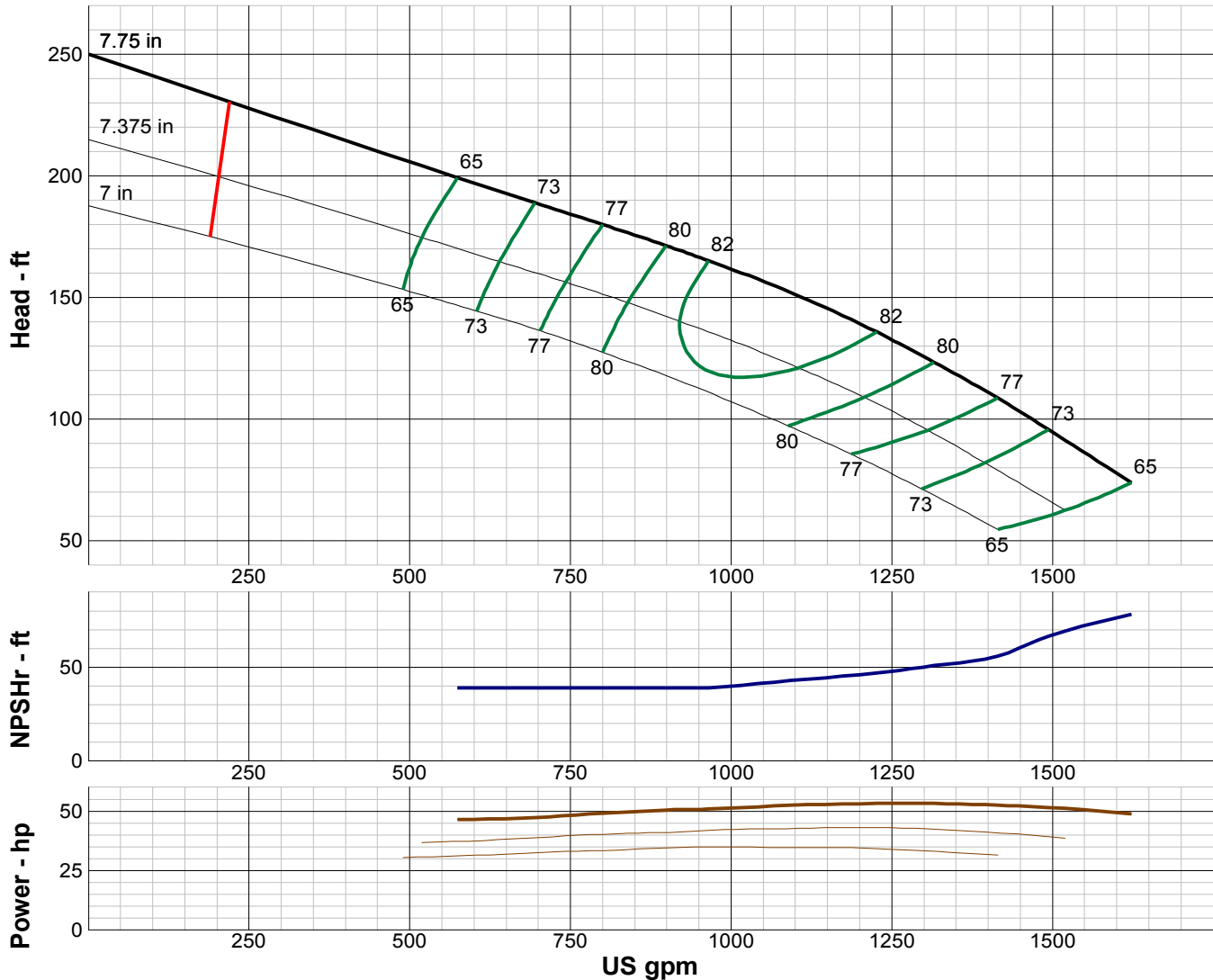
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 10LCR 3450 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:	-2	0	-1	-2
BOWL MATERIAL:	-2	-2	-2	-3

FLANGED BOWL DATA	
BOWL NUMBER	0340
BOWL MAX. DIAMETER	9.500 IN.
BOWL MIN. DIAMETER	9.375 IN.
MAX. NO. STAGES	3
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.	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.





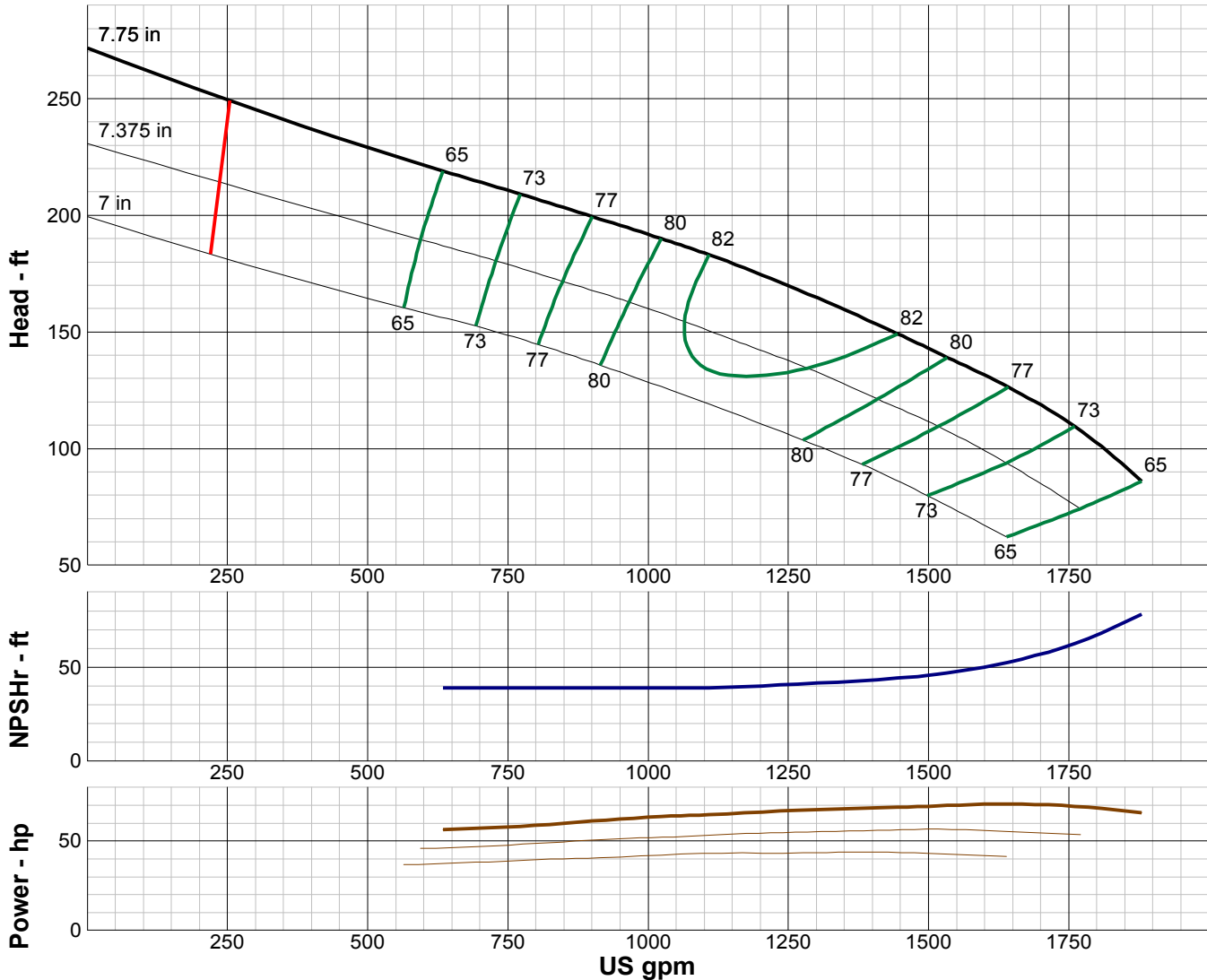
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 10MCR 3450 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:	-2	0	-1	-2
BOWL MATERIAL:	-2	-2	-2	-3

FLANGED BOWL DATA	
BOWL NUMBER	0340
BOWL MAX. DIAMETER	9.500 IN.
BOWL MIN. DIAMETER	9.375 IN.
MAX. NO. STAGES	3
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	0.250 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.



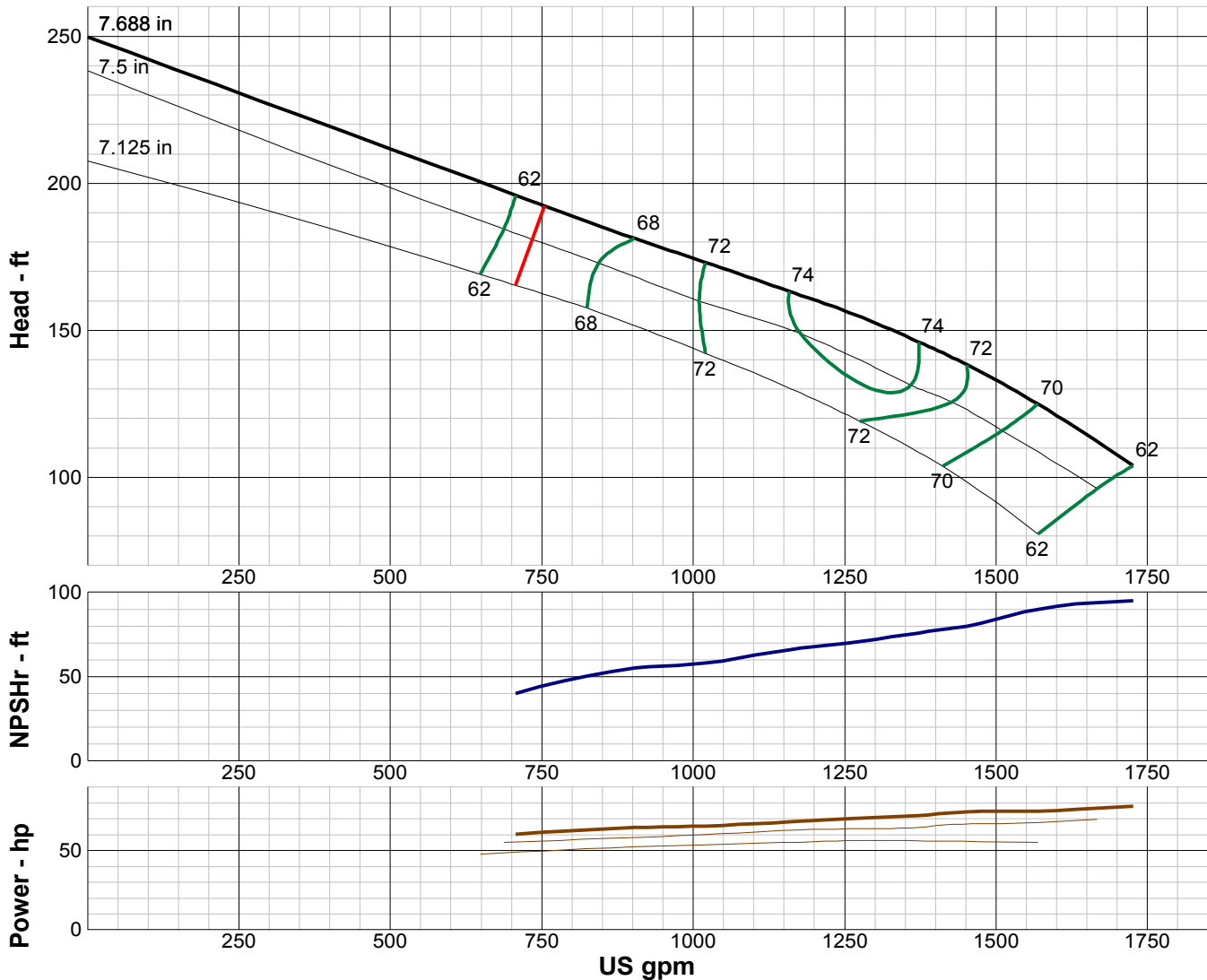
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 10HC 3450 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:	-2	0	-1	-2
BOWL MATERIAL:	-2	-2	-2	-3

FLANGED BOWL DATA	
BOWL NUMBER	2968
BOWL MAX. DIAMETER	9.500 IN.
BOWL MIN. DIAMETER	9.250 IN.
MAX. NO. STAGES	7
ONE STAGE WEIGHT	230 LB.
ADD STAGE WEIGHT	55 LB.
STD. SHAFT DIA.	1.500 IN.
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.



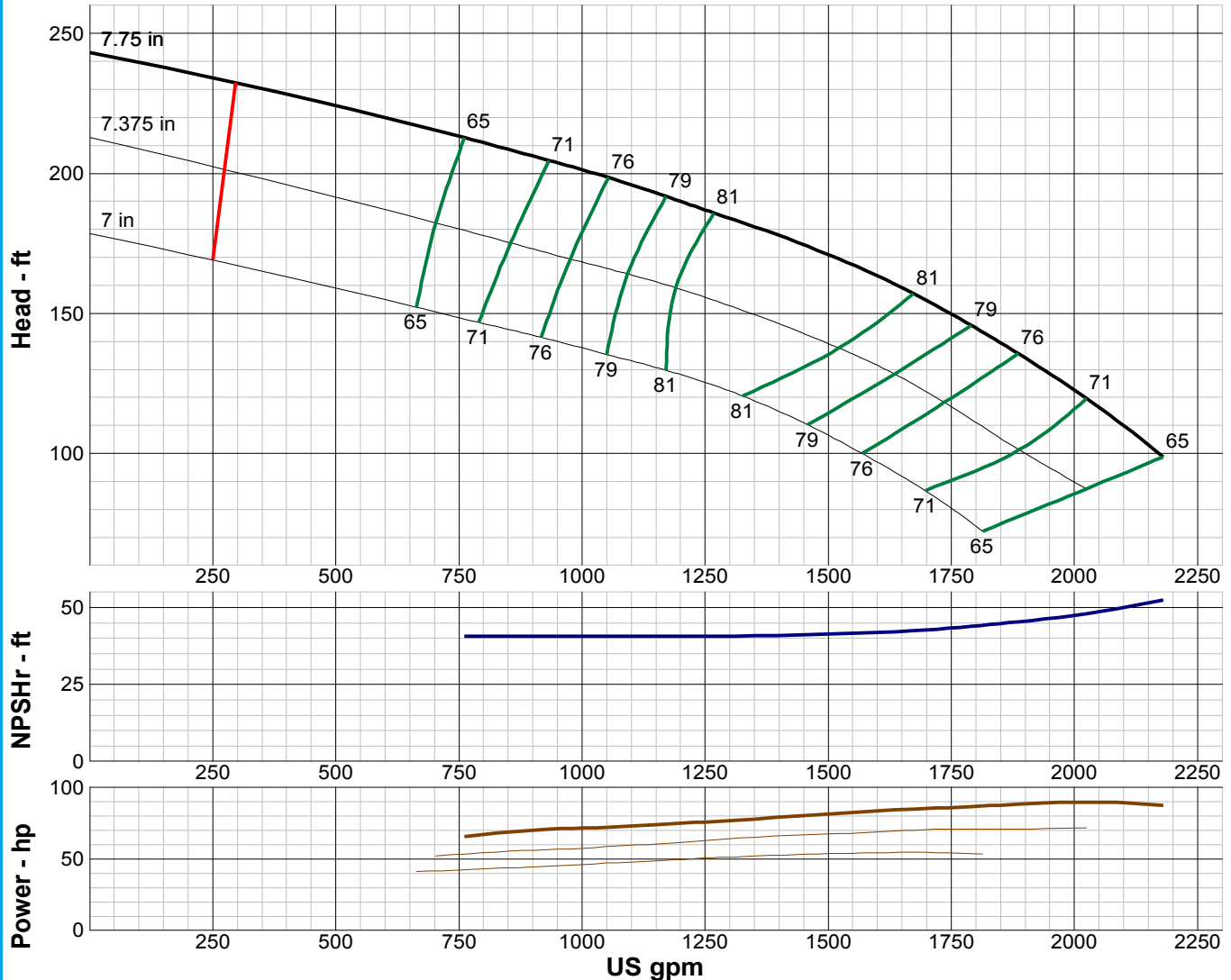
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 10HCR 3450 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:	-2	0	-1	-2
BOWL MATERIAL:	-2	-2	-2	-3

### FLANGED BOWL DATA

BOWL NUMBER	0340
BOWL MAX. DIAMETER	9.500 IN.
BOWL MIN. DIAMETER	9.375 IN.
MAX. NO. STAGES	3
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	0.250 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.



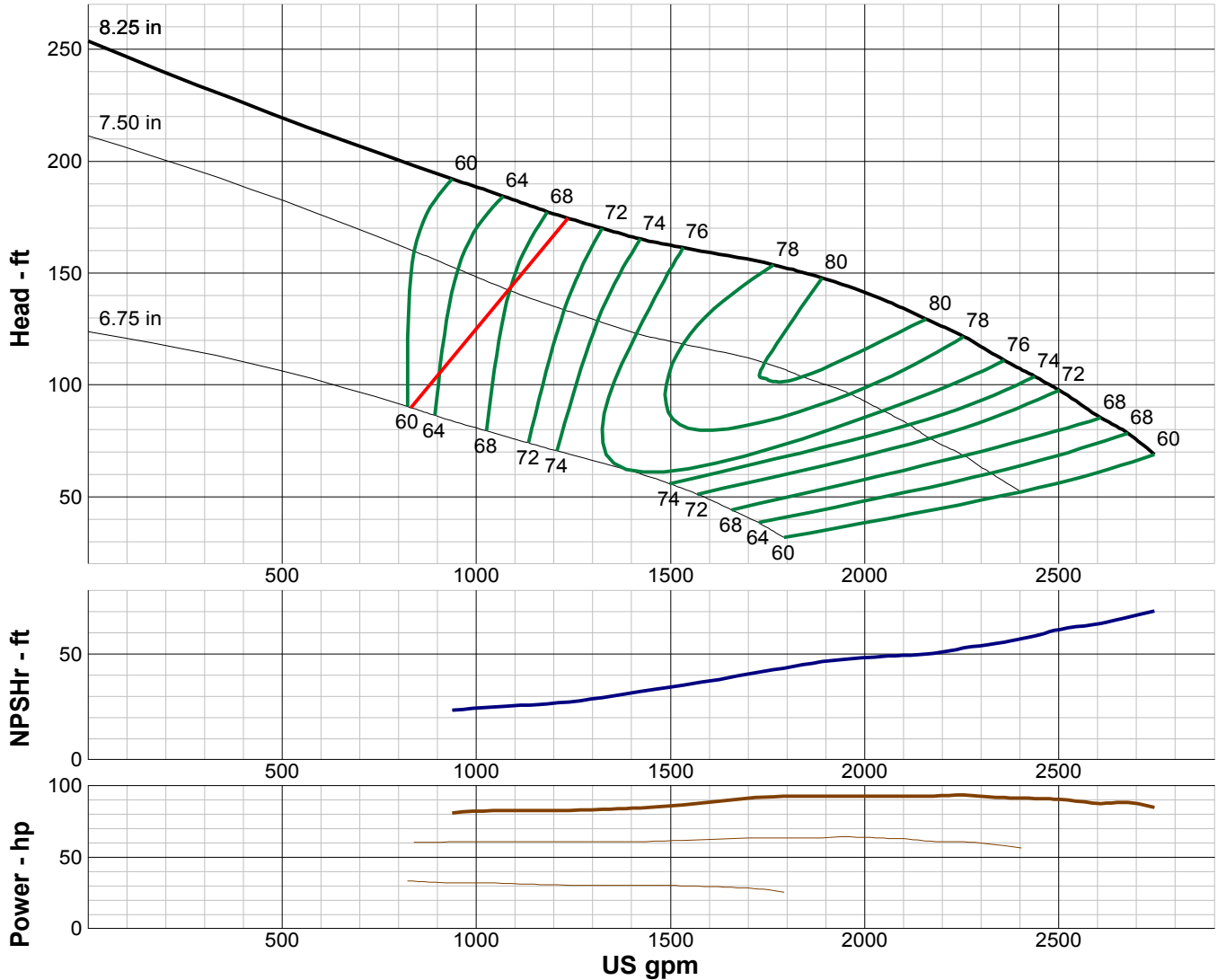
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 10YC 3450 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	11.0 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	-3

FLANGED BOWL DATA	
BOWL NUMBER	3541
BOWL MAX. DIAMETER	9.875 IN.
BOWL MIN. DIAMETER	9.500 IN.
MAX. NO. STAGES	8
ONE STAGE WEIGHT	250 LB.
ADD STAGE WEIGHT	60 LB.
STD. SHAFT DIA.	1.688 IN.
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.



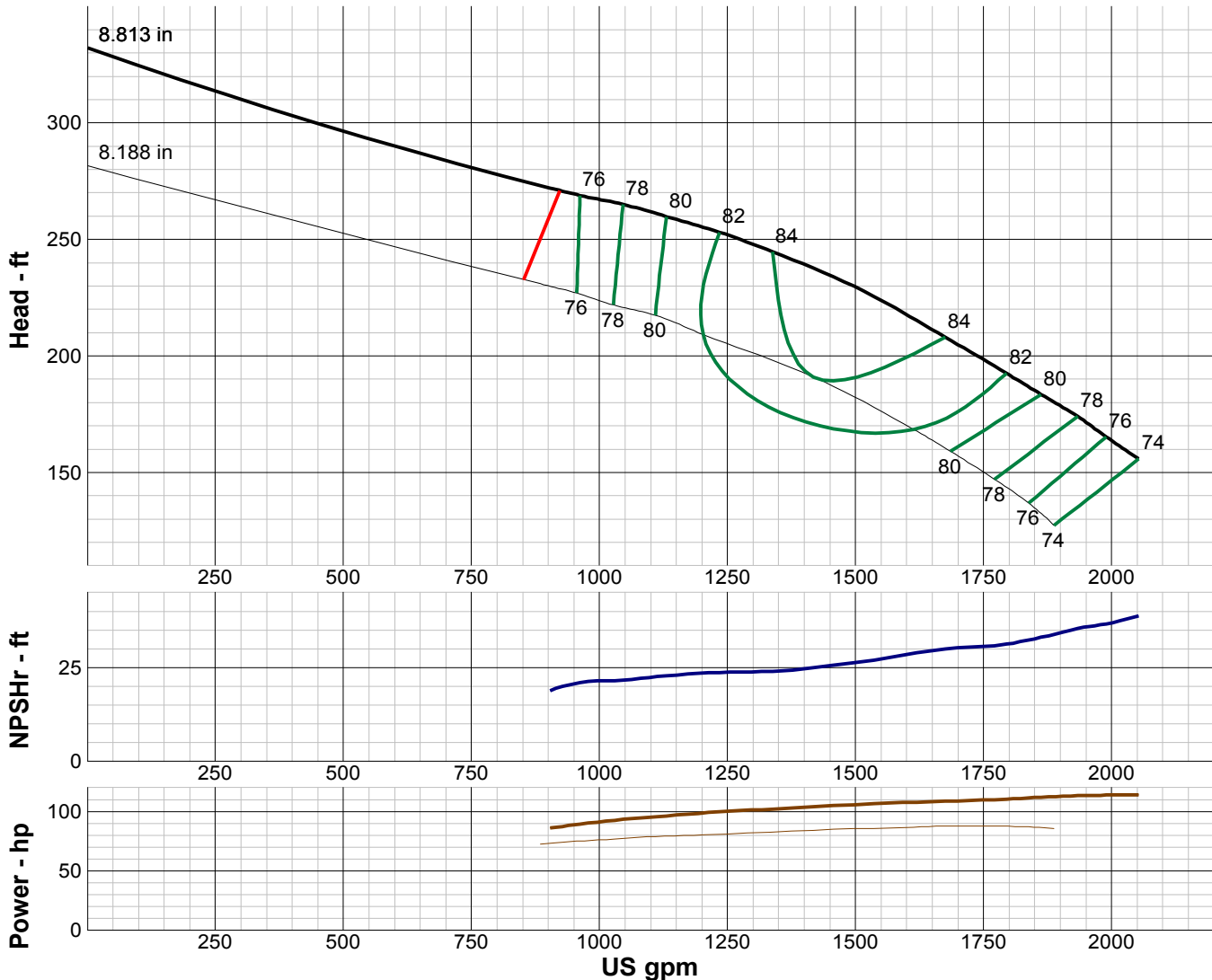
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 11LC 3450 RPM



### IMPELLER DATA

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

### 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	-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	0.750 IN.
MAX. OPERATIONAL P.S.I.	380 (SPECIAL)

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



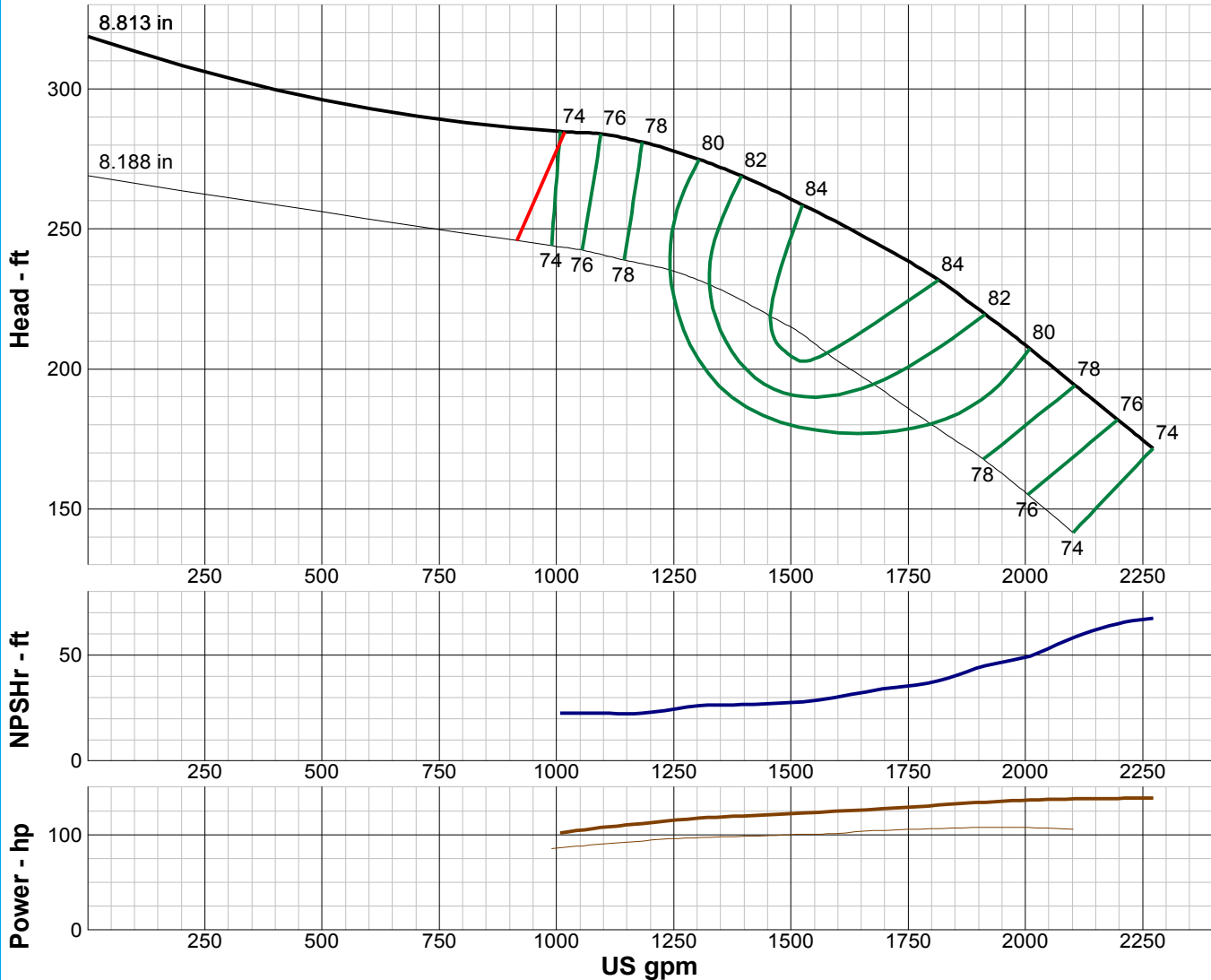
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 11MC 3450 RPM



### IMPELLER DATA

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

### 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	-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	0.750 IN.
MAX. OPERATIONAL P.S.I.	380 (SPECIAL)

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



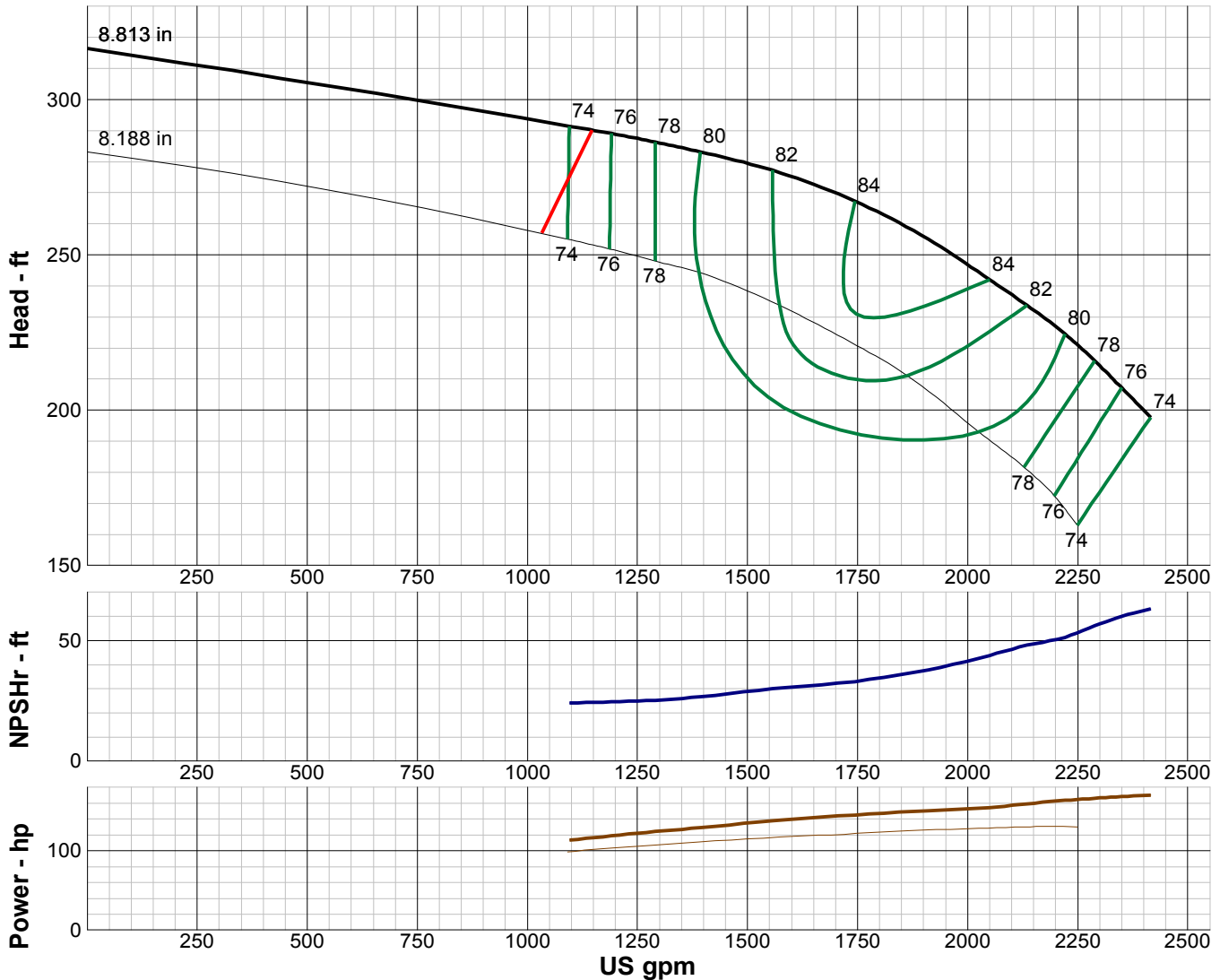
# TURBINE PUMP CURVE

SINGLE STAGE PERFORMANCE

JANUARY 2010

## 480 SERIES

## 11HC 3450 RPM



### IMPELLER DATA

IMPELLER NUMBER	0185	Minimum submergence above eye of bottom impeller: 30 IN.
TYPE	ENCLOSED	
THRUST FACTOR	K=7.40	
EYE AREA	17.7 SQ. IN.	
WEIGHT	13.30 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	-1	-2

### FLANGED BOWL DATA

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

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