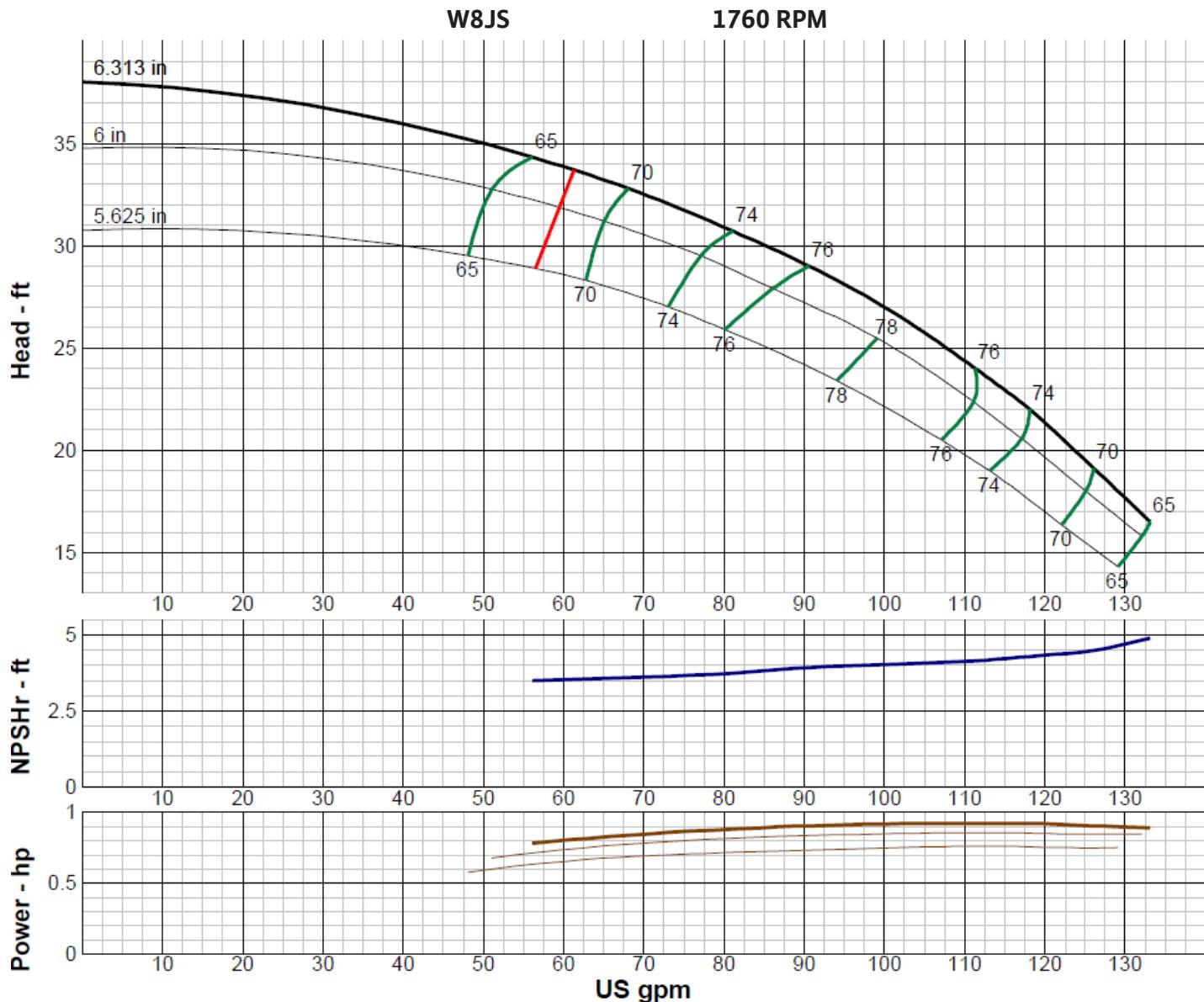


Wilo-Vertical Turbine Pump Curve

Single Stage Performance

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IMPELLER DATA	
IMPELLER NUMBER	3692
TYPE	SEMI-OPEN
THRUST FACTOR	K=3.52
EYE AREA	3.18 SQ. IN.
WEIGHT	3.55 LB.

Minimum submergence above eye of bottom impeller: 14 IN.

FLANGED BOWL DATA	
BOWL NUMBER	3692
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
DISCHARGE CONNECTION	THD. - FLG.
SUCTION CONNECTION	THD.
MAX. SPHERE SIZE	0.250 IN
MAX. OPERATIONAL P.S.I.	692 (SPECIAL)

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

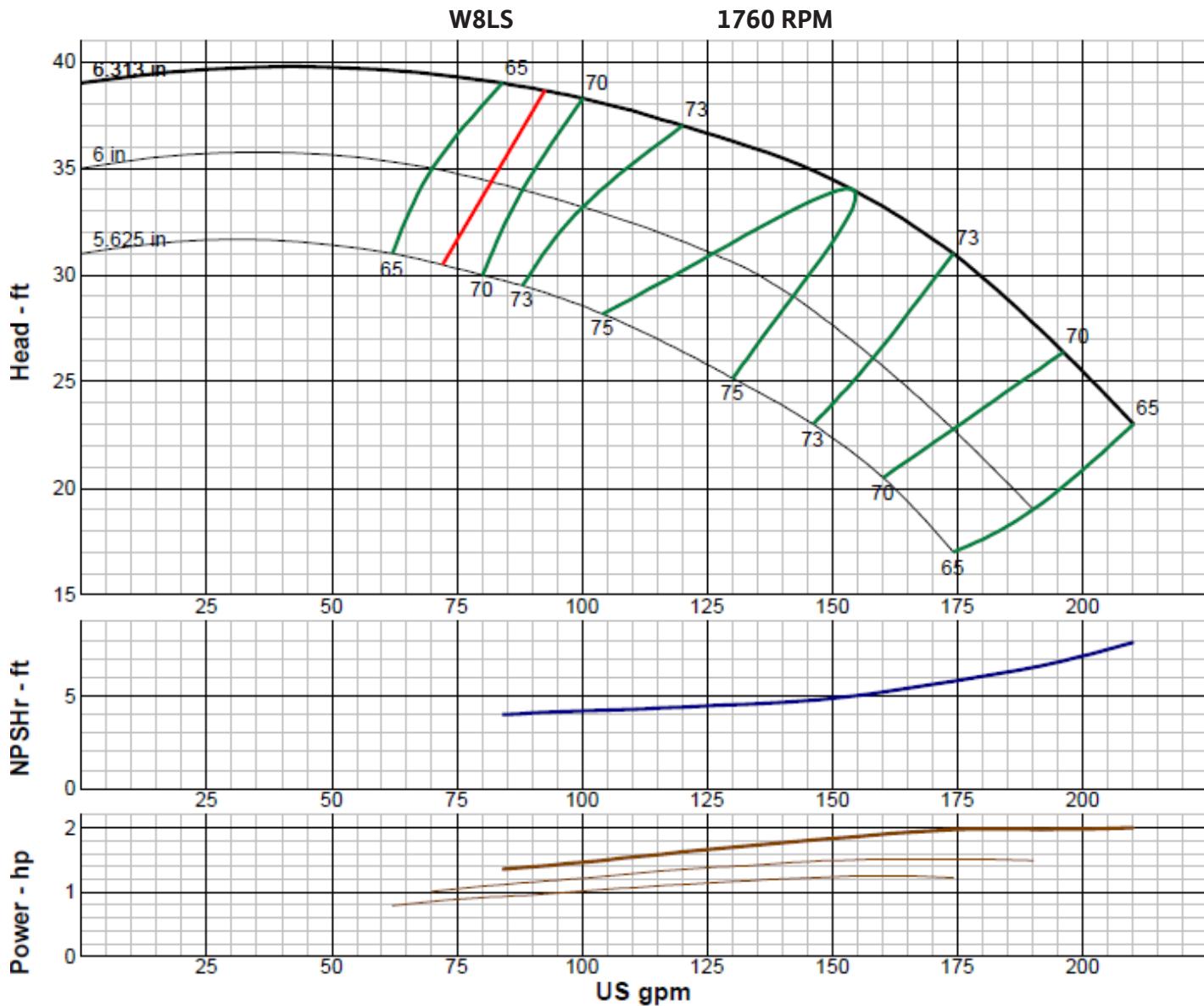
PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-2	-2	-5

Performance based on pumping clean, 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.

Wilo-Vertical Turbine Pump Curve

Single Stage Performance

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IMPELLER DATA

IMPELLER NUMBER	3641
TYPE	SEMI-OPEN
THRUST FACTOR	K=3.34
EYE AREA	4.64 SQ. IN.
WEIGHT	4.25 LB.

Minimum submergence above eye of bottom impeller: 14 IN.

FLANGED BOWL DATA

BOWL NUMBER	3692
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
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)

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

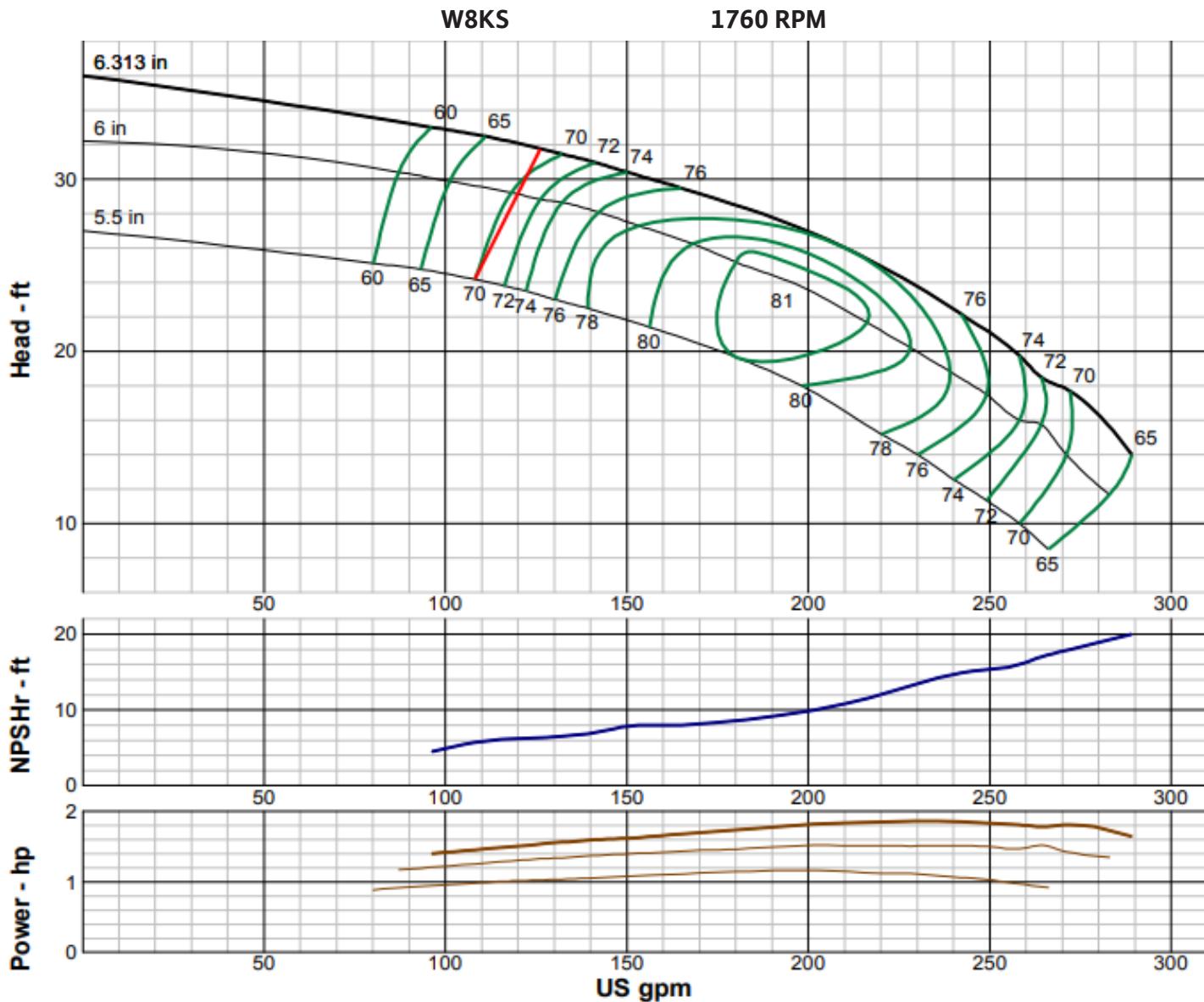
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-2	-2	-5

Performance based on pumping clean, 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.

Wilo-Vertical Turbine Pump Curve

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IMPELLER DATA		
IMPELLER NUMBER	3693	Minimum submergence above eye of bottom impeller: 20 IN.
TYPE	SEMI-OPEN	
THRUST FACTOR	K=4.42	
EYE AREA	6.60 SQ. IN.	
WEIGHT	3.75 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

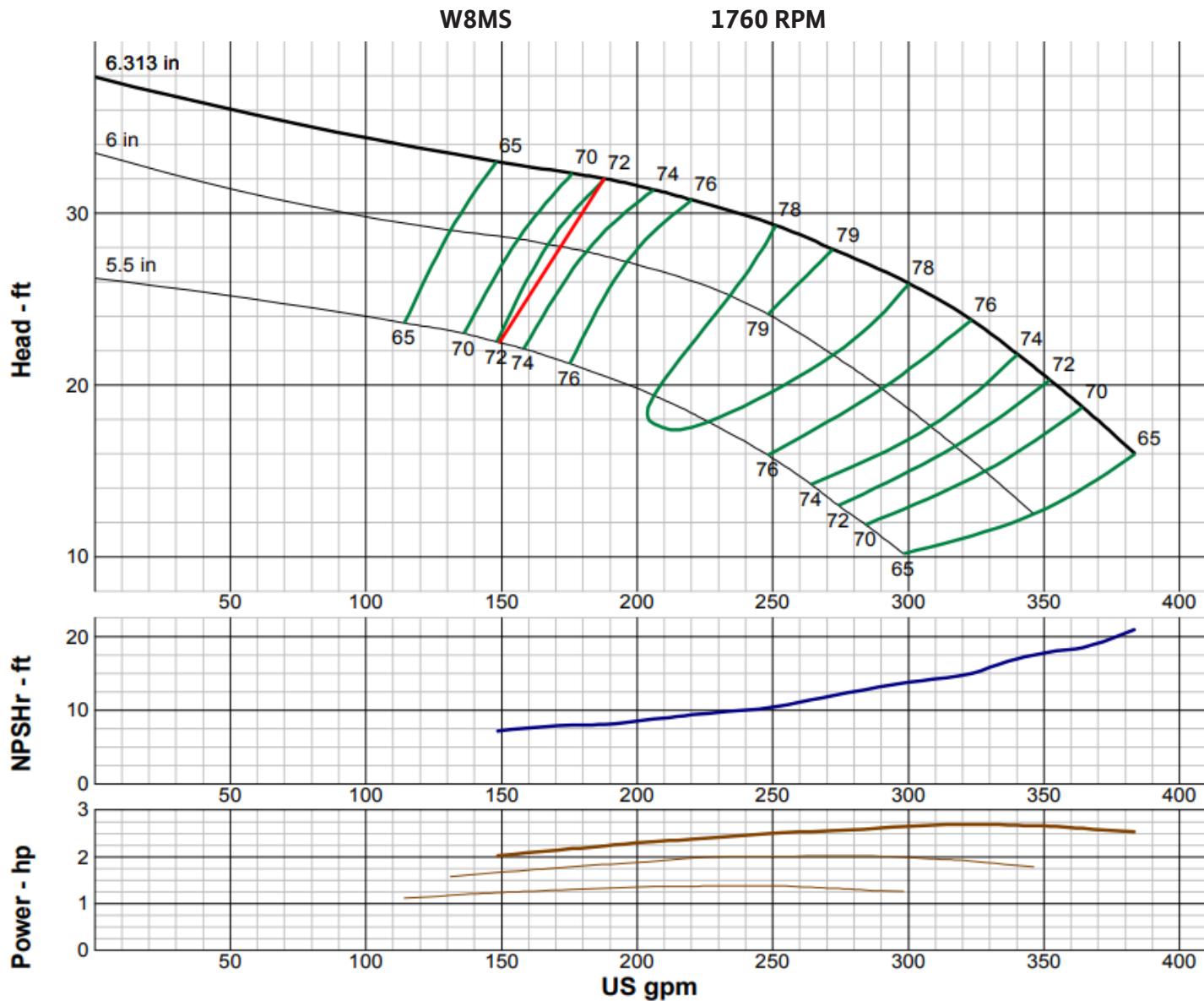
FLANGED BOWL DATA	
BOWL NUMBER	3591
BOWL MAX. DIAMETER	7.938 IN.
BOWL MIN. DIAMETER	7.500 IN.
MAX. NO. STAGES	37
ONE STAGE WEIGHT	130 LB.
ADD STAGE WEIGHT	30 LB.
STD. SHAFT DIA.	1.000 IN.
STD. LATERAL	0.438 IN.
DISCHARGE SIZE	5 - 6
DISCHARGE CONNECTION	THD. - FLG.
SUCTION SIZE	5 - 6 IN.
SUCTION CONNECTION	THD.
MAX. SPHERE SIZE	0.375 IN
MAX. OPERATIONAL P.S.I.	692 (SPECIAL)

Performance based on pumping clean, 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.

Wilo-Vertical Turbine Pump Curve

Single Stage Performance

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IMPELLER DATA	
IMPELLER NUMBER	3590
TYPE	SEMI-OPEN
THRUST FACTOR	K=4.28
EYE AREA	6.60 SQ. IN.
WEIGHT	4.125 LB.

Minimum submergence above eye of bottom impeller: 24 IN.

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
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)

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

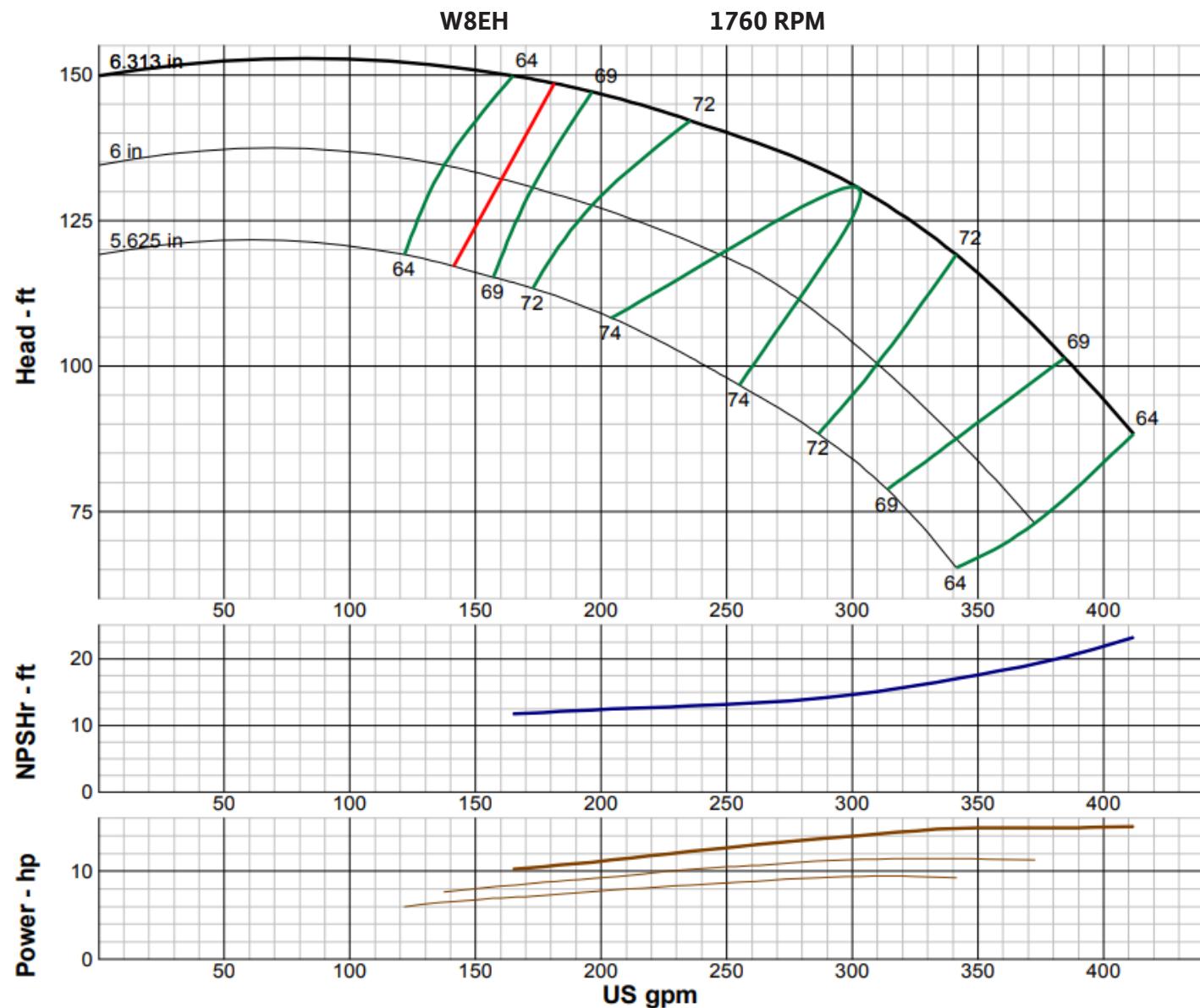
PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-2	-2	-5

Performance based on pumping clean, 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.

Wilo-Vertical Turbine Pump Curve

Single Stage Performance

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IMPELLER DATA	
IMPELLER NUMBER	2981
TYPE	SEMI-OPEN
THRUST FACTOR	K=5.40
EYE AREA	8.48 SQ. IN.
WEIGHT	3.25 LB.

Minimum submergence above eye of bottom impeller: 24 IN.

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
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)

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

Performance based on pumping clean, 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.

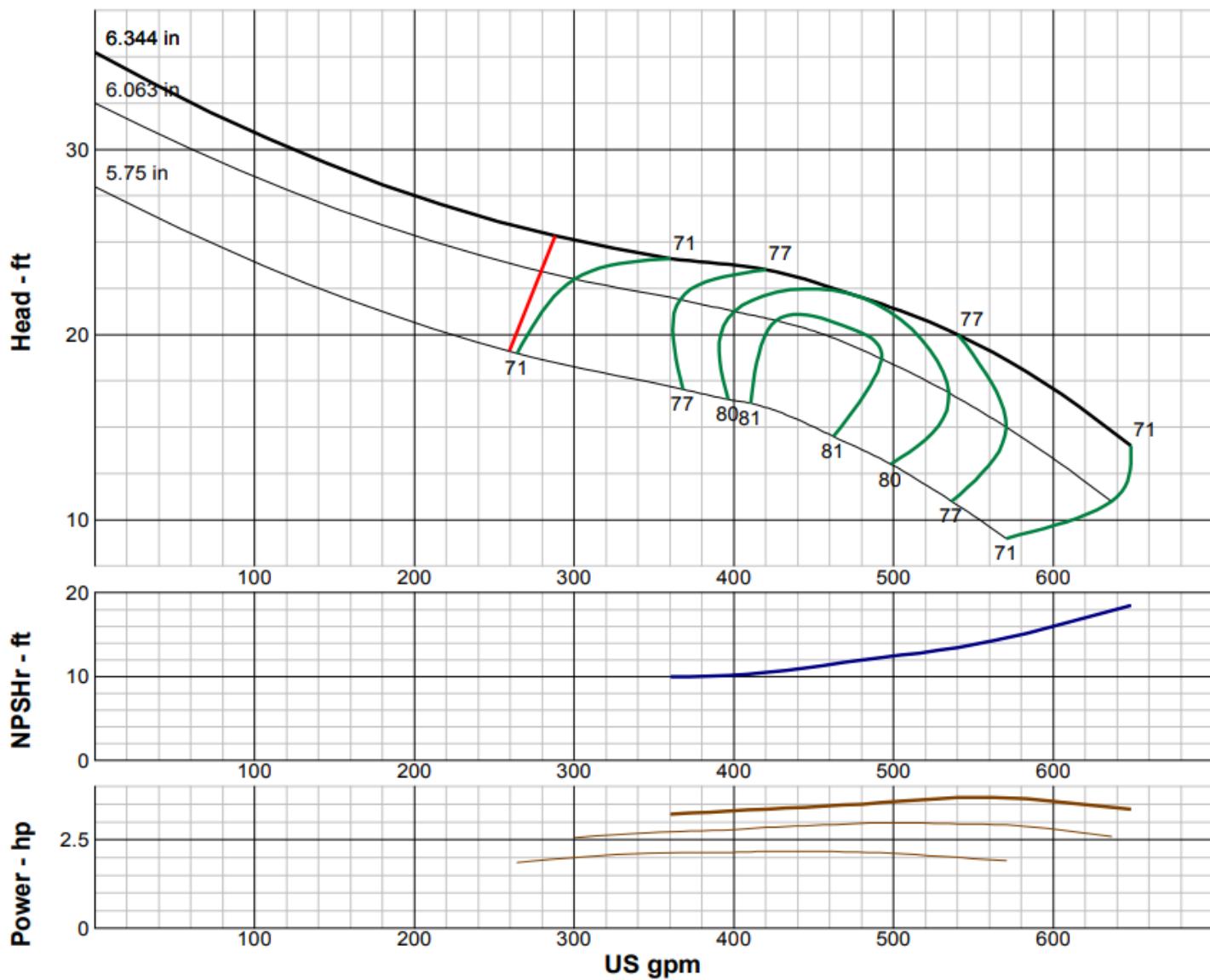
Wilo-Vertical Turbine Pump Curve

Single Stage Performance

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W8YS

1760 RPM



IMPELLER DATA

IMPELLER NUMBER	5506
TYPE	SEMI-OPEN
THRUST FACTOR	K=8.00
EYE AREA	15.9 SQ. IN.
WEIGHT	5.00 LB.

Minimum submergence above eye of bottom impeller: 30 IN.

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
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)

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

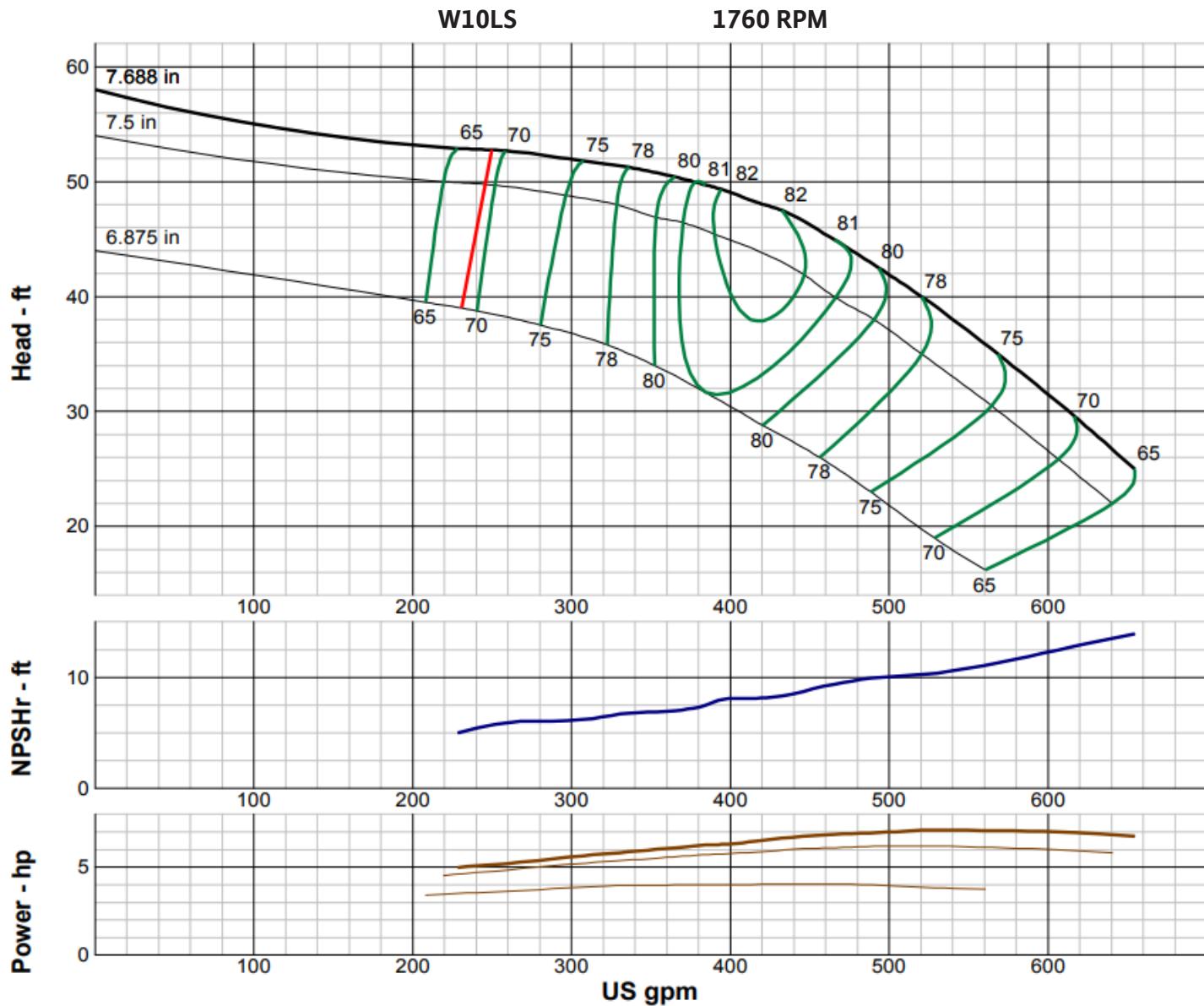
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-2	-2	-5

Performance based on pumping clean, 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.

Wilo-Vertical Turbine Pump Curve

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IMPELLER DATA	
IMPELLER NUMBER	3103
TYPE	SEMI-OPEN
THRUST FACTOR	K=7.50
EYE AREA	11.7 SQ. IN.
WEIGHT	6.25 LB.

Minimum submergence above eye of bottom impeller: 38 IN.

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	0.500 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)

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.					

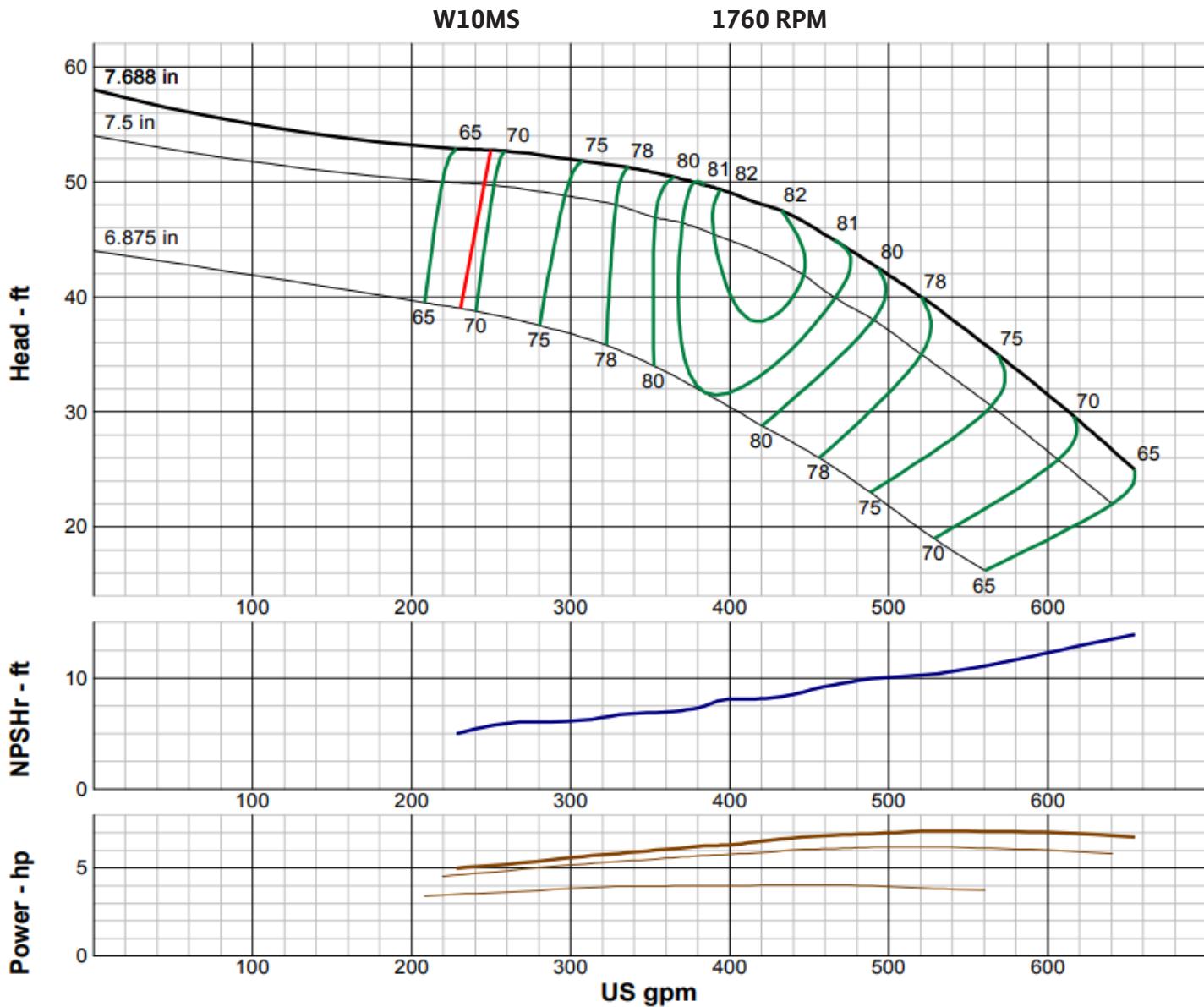
PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-2
BOWL MATERIAL:	-2	-2	-1	-3

Performance based on pumping clean, 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.

Wilo-Vertical Turbine Pump Curve

Single Stage Performance

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IMPELLER DATA	
IMPELLER NUMBER	3099
TYPE	SEMI-OPEN
THRUST FACTOR	K=7.50
EYE AREA	11.7 SQ. IN.
WEIGHT	5.75 LB.

Minimum submergence above eye of bottom impeller: 38 IN.

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	0.500 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)

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

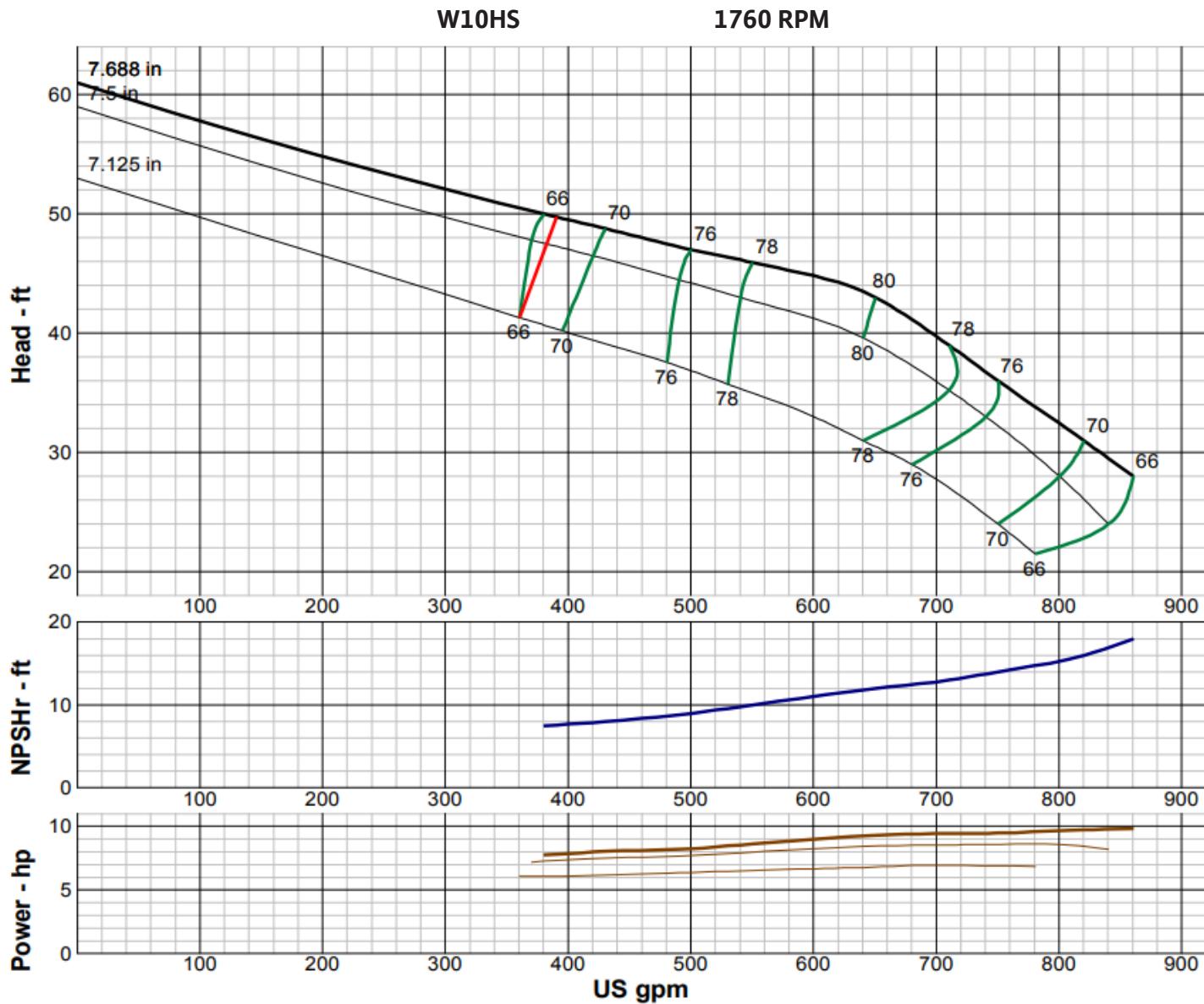
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-2
BOWL MATERIAL:	-2	-2	-1	-3

Performance based on pumping clean, 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.

Wilo-Vertical Turbine Pump Curve

Single Stage Performance

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IMPELLER DATA	
IMPELLER NUMBER	2969
TYPE	SEMI-OPEN
THRUST FACTOR	K=9.20
EYE AREA	14.9 SQ. IN.
WEIGHT	5.25 LB.

Minimum submergence above eye of bottom impeller: 27 IN.

FLANGED BOWL DATA	
BOWL NUMBER	2968
BOWL MAX. DIAMETER	9.500 IN.
BOWL MIN. DIAMETER	9.250 IN.
MAX. NO. STAGES	28
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)

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.					

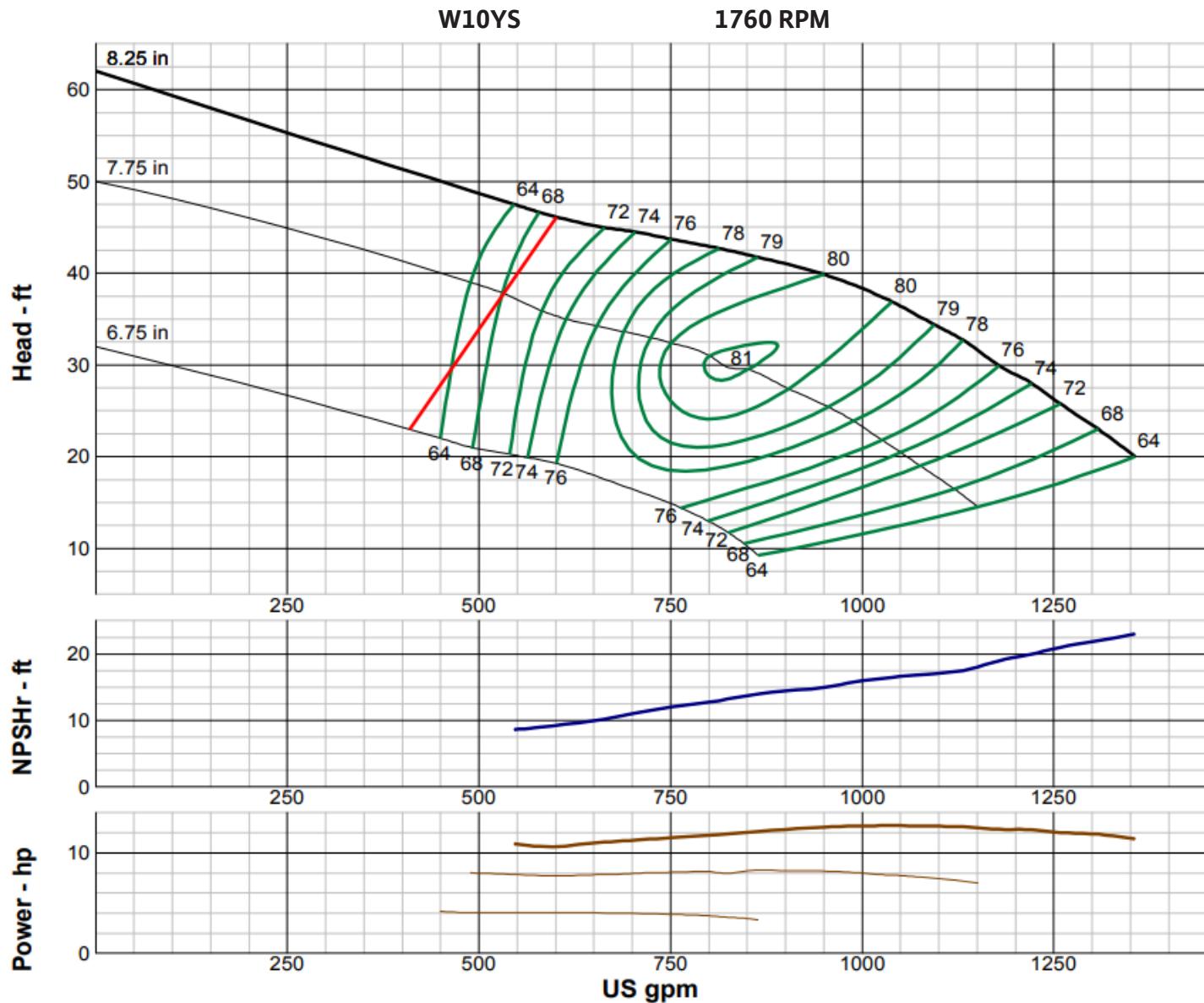
PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-2
BOWL MATERIAL:	-2	-2	-1	-3

Performance based on pumping clean, 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.

Wilo-Vertical Turbine Pump Curve

Single Stage Performance

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IMPELLER DATA	
IMPELLER NUMBER	3542
TYPE	SEMI-OPEN
THRUST FACTOR	K=11.40
EYE AREA	14.9 SQ. IN.
WEIGHT	5.25 LB.

Minimum submergence above eye of bottom impeller: 28 IN.

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)

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.					

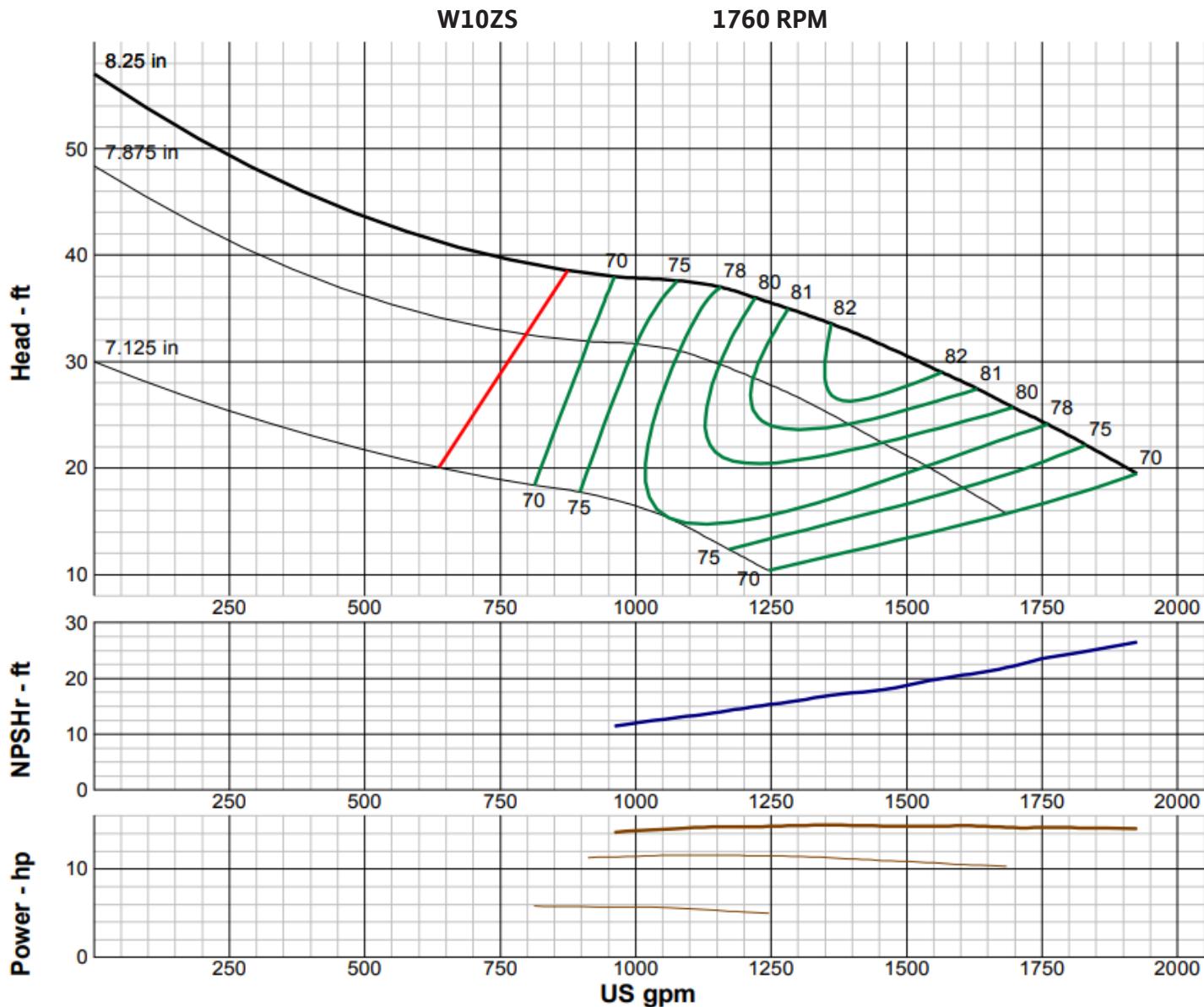
PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-2
BOWL MATERIAL:	-2	-2	-1	-3

Performance based on pumping clean, 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.

Wilo-Vertical Turbine Pump Curve

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IMPELLER DATA	
IMPELLER NUMBER	3863
TYPE	SEMI-OPEN
THRUST FACTOR	K=13.50
EYE AREA	26.7 SQ. IN.
WEIGHT	5.75 LB.

Minimum submergence above eye of bottom impeller: 30 IN.

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)

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

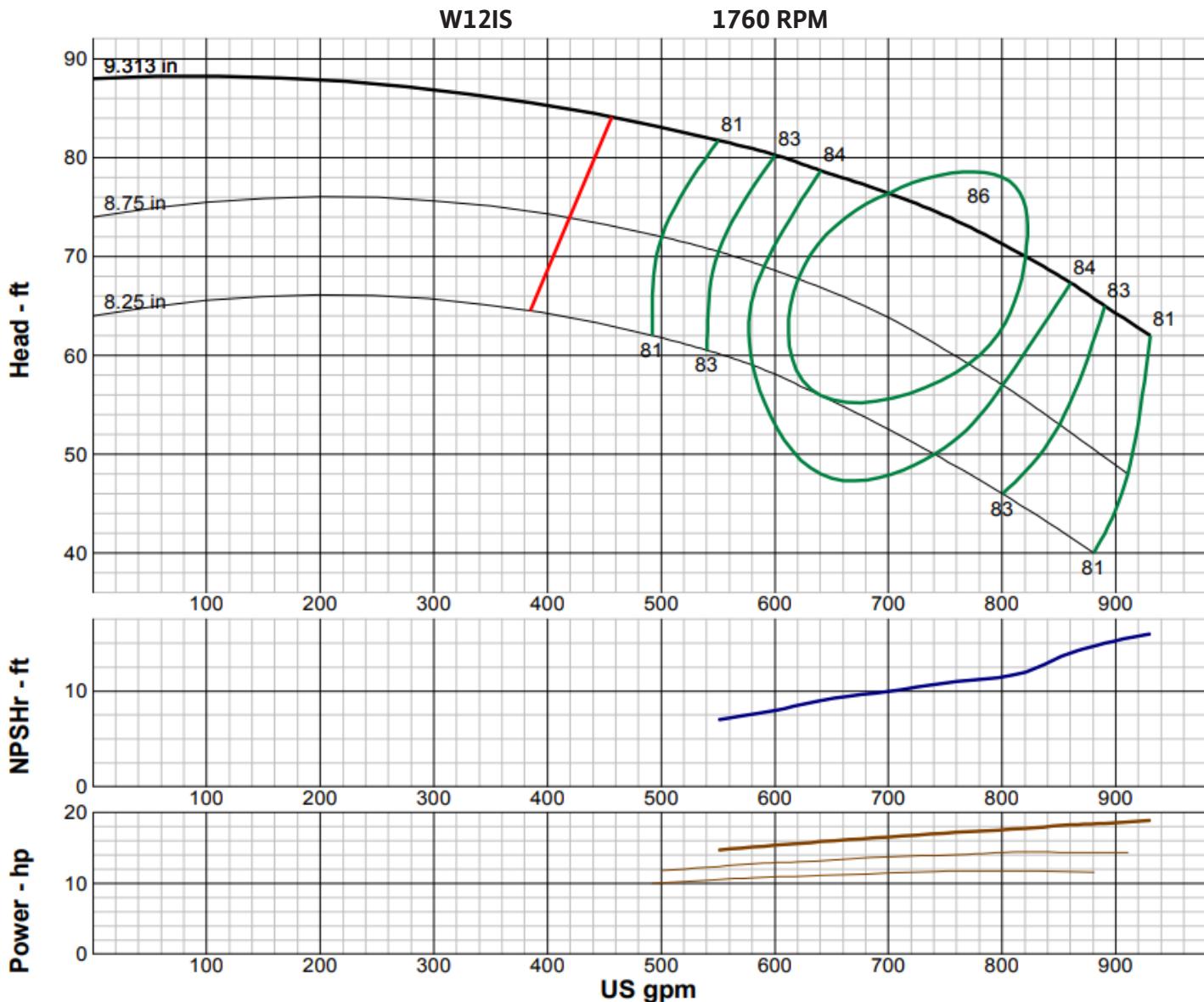
PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-2
BOWL MATERIAL:	-2	-2	-1	-3

Performance based on pumping clean, 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.

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IMPELLER DATA	
IMPELLER NUMBER	2997
TYPE	SEMI-OPEN
THRUST FACTOR	K=8.20
EYE AREA	18.1 SQ. IN.
WEIGHT	9.50 LB.

Minimum submergence above eye of bottom impeller: 30 IN.

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)

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

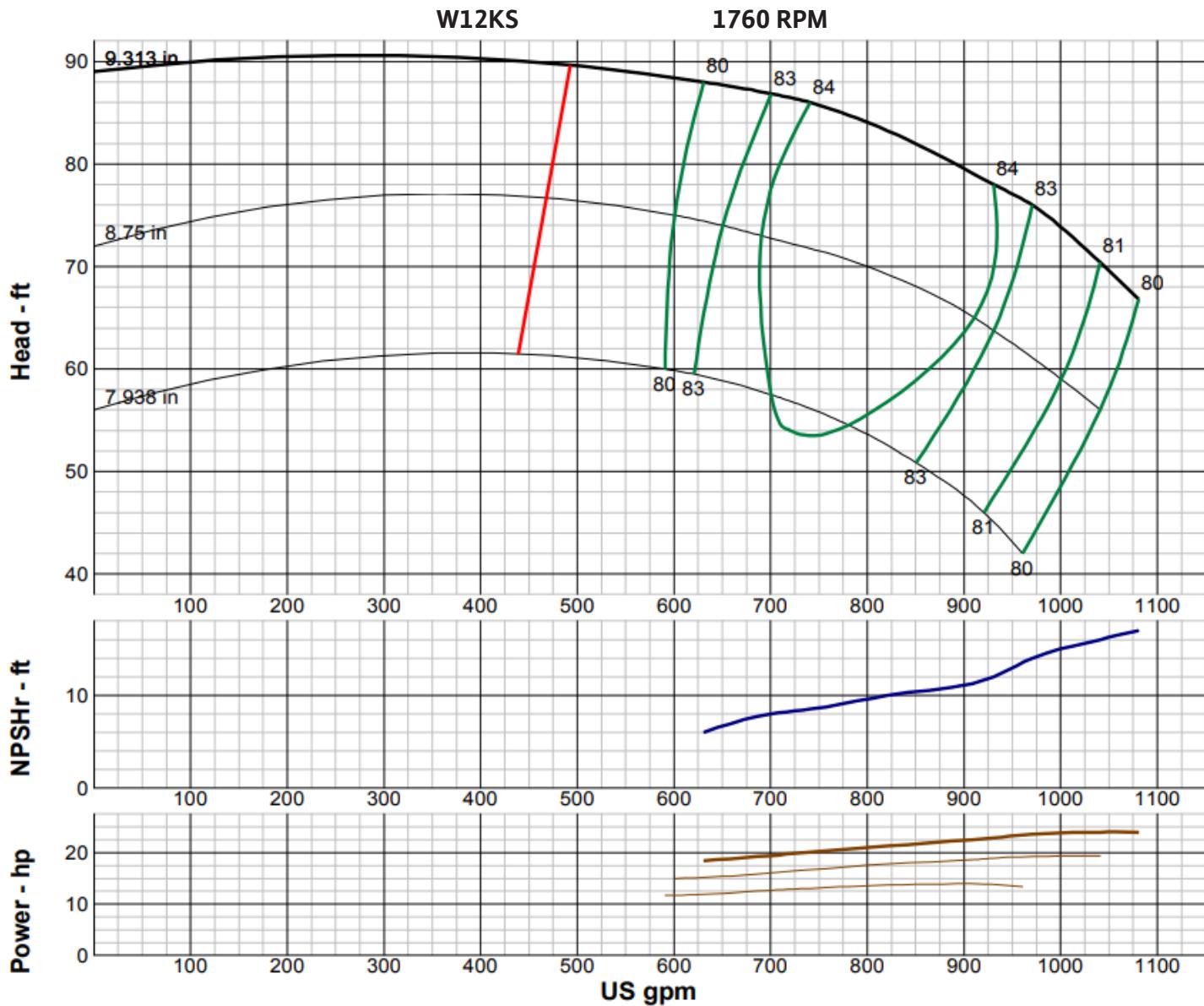
PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-2
BOWL MATERIAL:	-2	-2	-2	-3

Performance based on pumping clean, 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.

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IMPELLER DATA

IMPELLER NUMBER	2992
TYPE	SEMI-OPEN
THRUST FACTOR	K=7.75
EYE AREA	20.4 SQ. IN.
WEIGHT	9.00 LB.

Minimum submergence above eye of bottom impeller: 30 IN.

FLANGED BOWL DATA

BOWL NUMBER	2994
BOWL MAX. DIAMETER	12.000 IN.
BOWL MIN. DIAMETER	11.500 IN.
MAX. NO. STAGES	16
ONE STAGE WEIGHT	340 LB.
ADD STAGE WEIGHT	100 LB.
STD. SHAFT DIA.	1.688 IN.
STD. LATERAL	0.500 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)

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

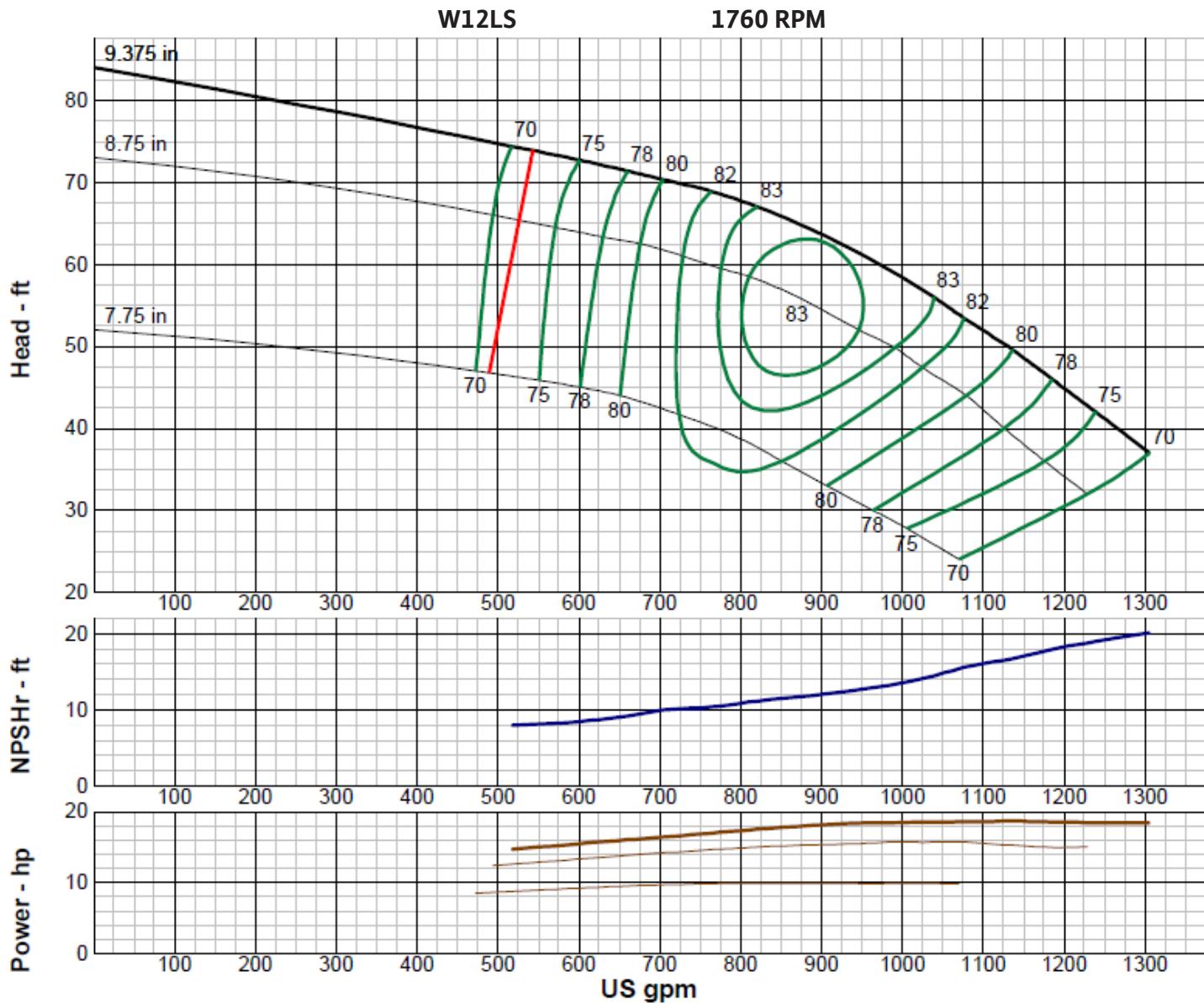
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-1	-2	-3

Performance based on pumping clean, 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.

Wilo-Vertical Turbine Pump Curve

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IMPELLER DATA

IMPELLER NUMBER	3779
TYPE	SEMI-OPEN
THRUST FACTOR	K=12.50
EYE AREA	20.1 SQ. IN.
WEIGHT	8.13 LB.

Minimum submergence above eye of bottom impeller: 30 IN.

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)

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

Performance based on pumping clean, 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.

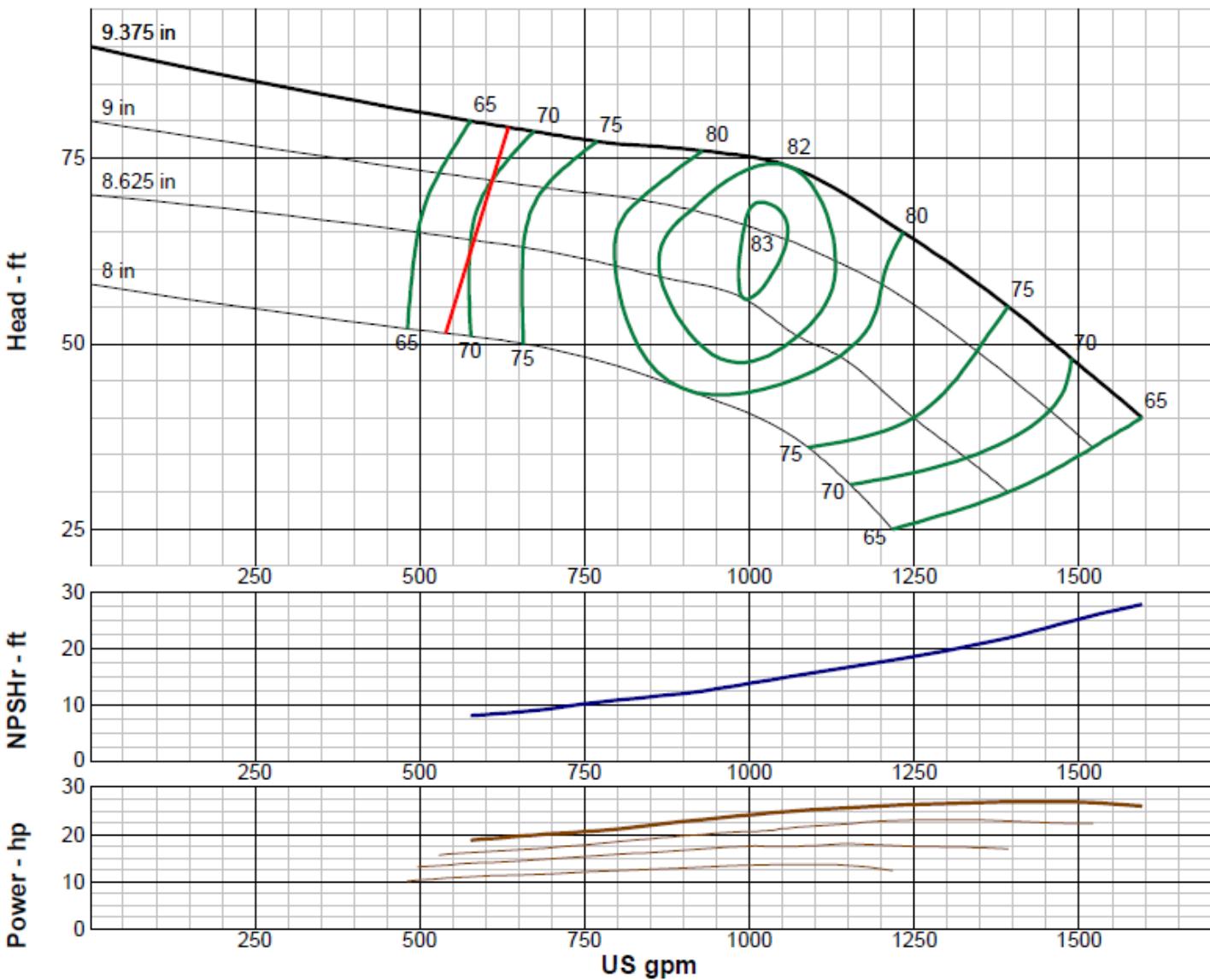
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W12MS

1760 RPM



IMPELLER DATA	
IMPELLER NUMBER	2956
TYPE	SEMI-OPEN
THRUST FACTOR	K=12.50
EYE AREA	20.1 SQ. IN.
WEIGHT	10.00 LB.

FLANGED BOWL DATA	
BOWL NUMBER	2952
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	0.750 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)

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.

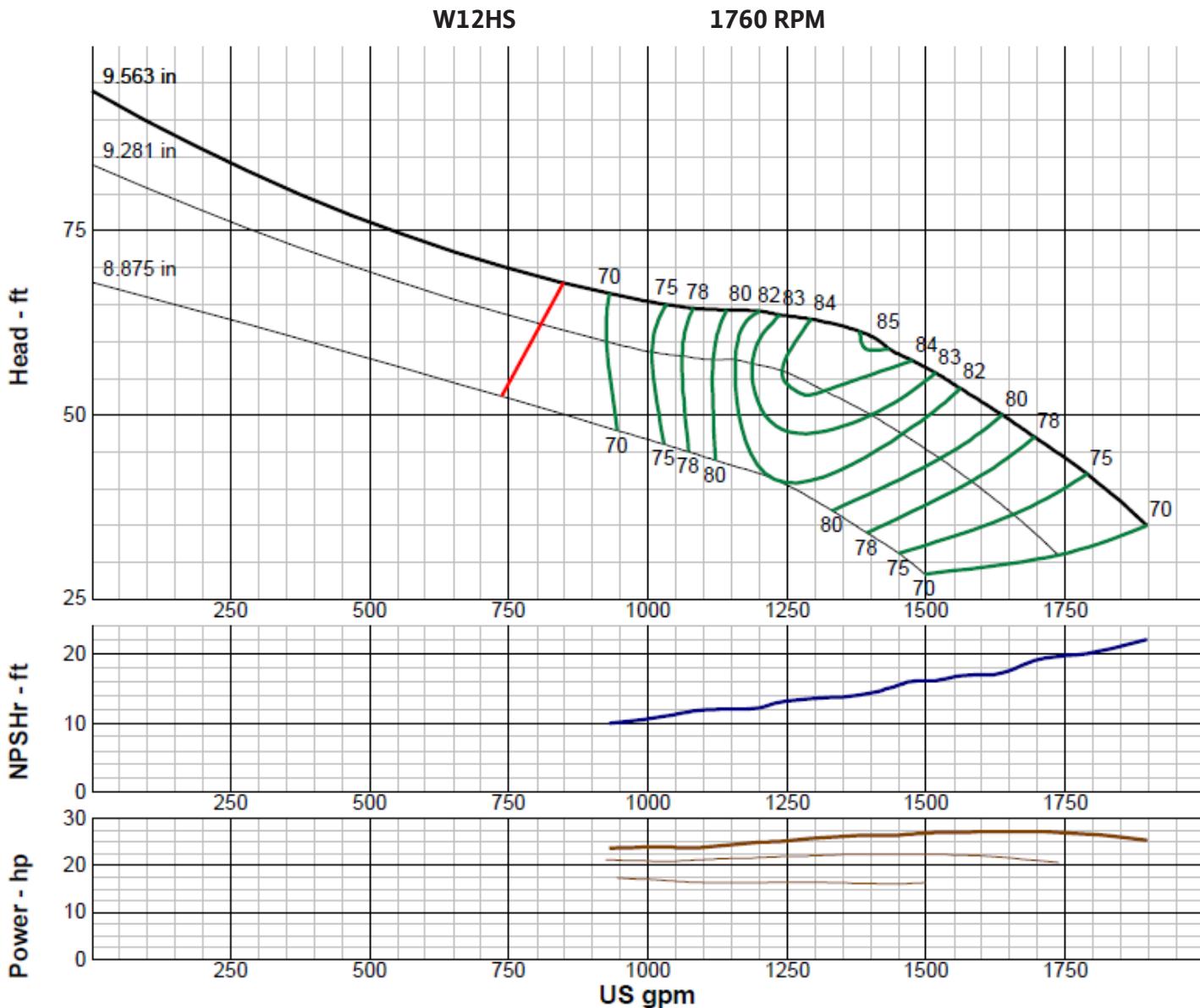
PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-1	-2	-3

Performance based on pumping clean, 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.

Wilo-Vertical Turbine Pump Curve

Single Stage Performance

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IMPELLER DATA

IMPELLER NUMBER	2953
TYPE	SEMI-OPEN
THRUST FACTOR	K=19.00
EYE AREA	32.4 SQ. IN.
WEIGHT	11.25 LB.

Minimum submergence above eye of bottom impeller: 30 IN.

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)

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

Performance based on pumping clean, 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.

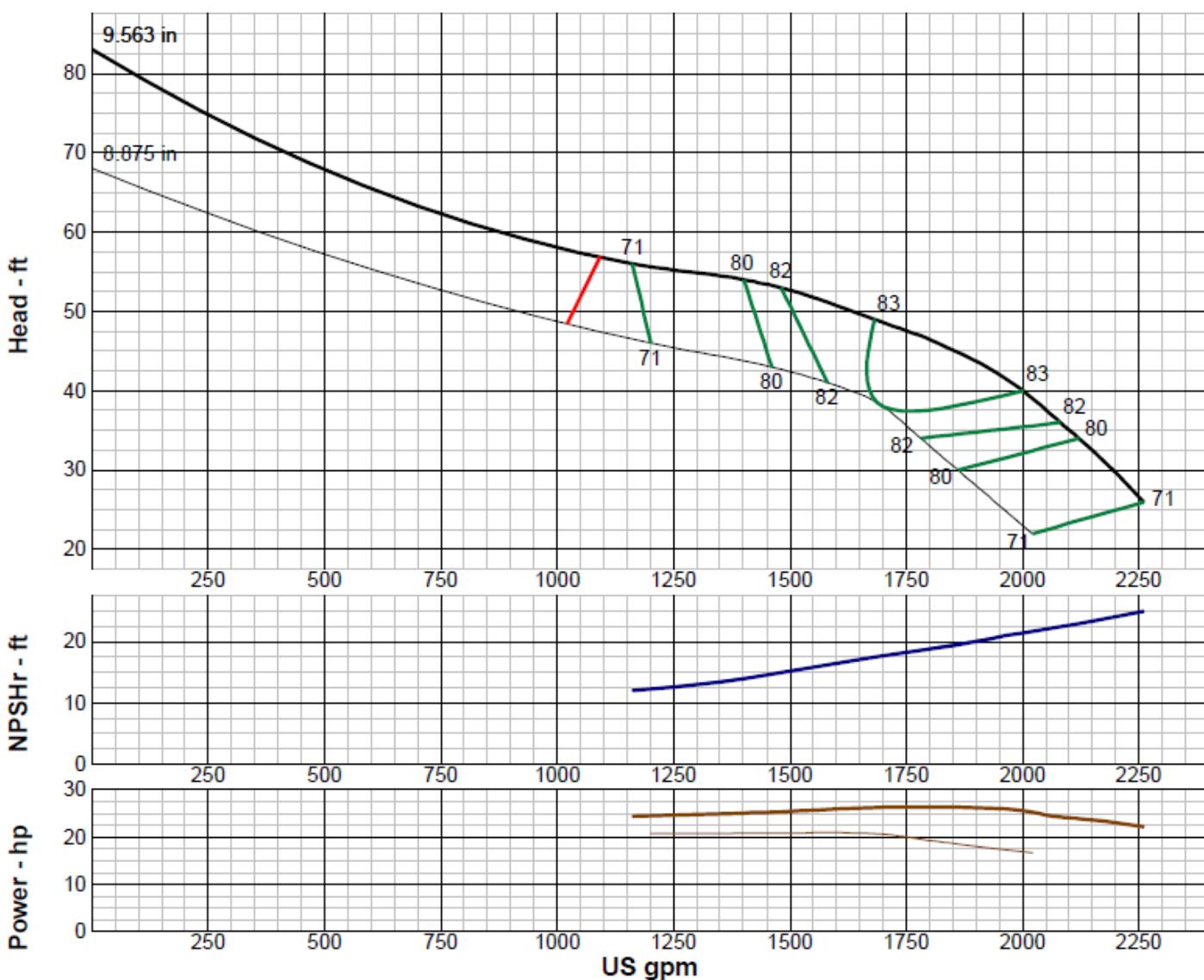
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W12XS

1760 RPM



IMPELLER DATA	
IMPELLER NUMBER	3374
TYPE	SEMI-OPEN
THRUST FACTOR	K=20.80
EYE AREA	35.6 SQ. IN.
WEIGHT	11.50 LB.

Minimum submergence above eye of bottom impeller: 30 IN.

FLANGED BOWL DATA	
BOWL NUMBER	3361
BOWL MAX. DIAMETER	11.563 IN.
BOWL MIN. DIAMETER	11.250 IN.
MAX. NO. STAGES	11
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)

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.					

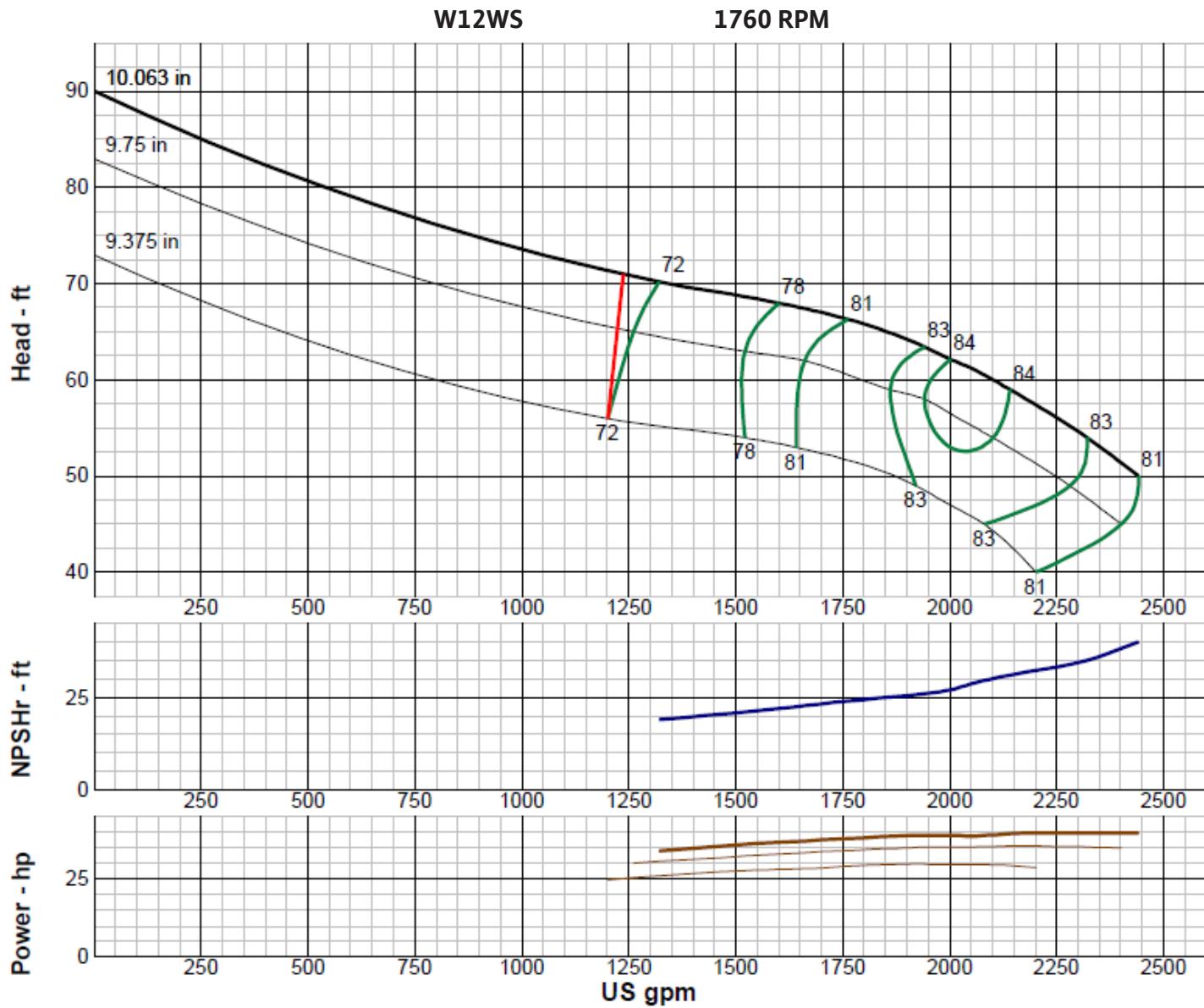
PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-1	-2	-3

Performance based on pumping clean, 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.

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IMPELLER DATA

IMPELLER NUMBER	4777
TYPE	SEMI-OPEN
THRUST FACTOR	K=17.40
EYE AREA	29.7 SQ. IN.
WEIGHT	14.50 LB.

Minimum submergence above eye of bottom impeller: 32 IN.

FLANGED BOWL DATA

BOWL NUMBER	4771
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	0.750 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)

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

Performance based on pumping clean, 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.

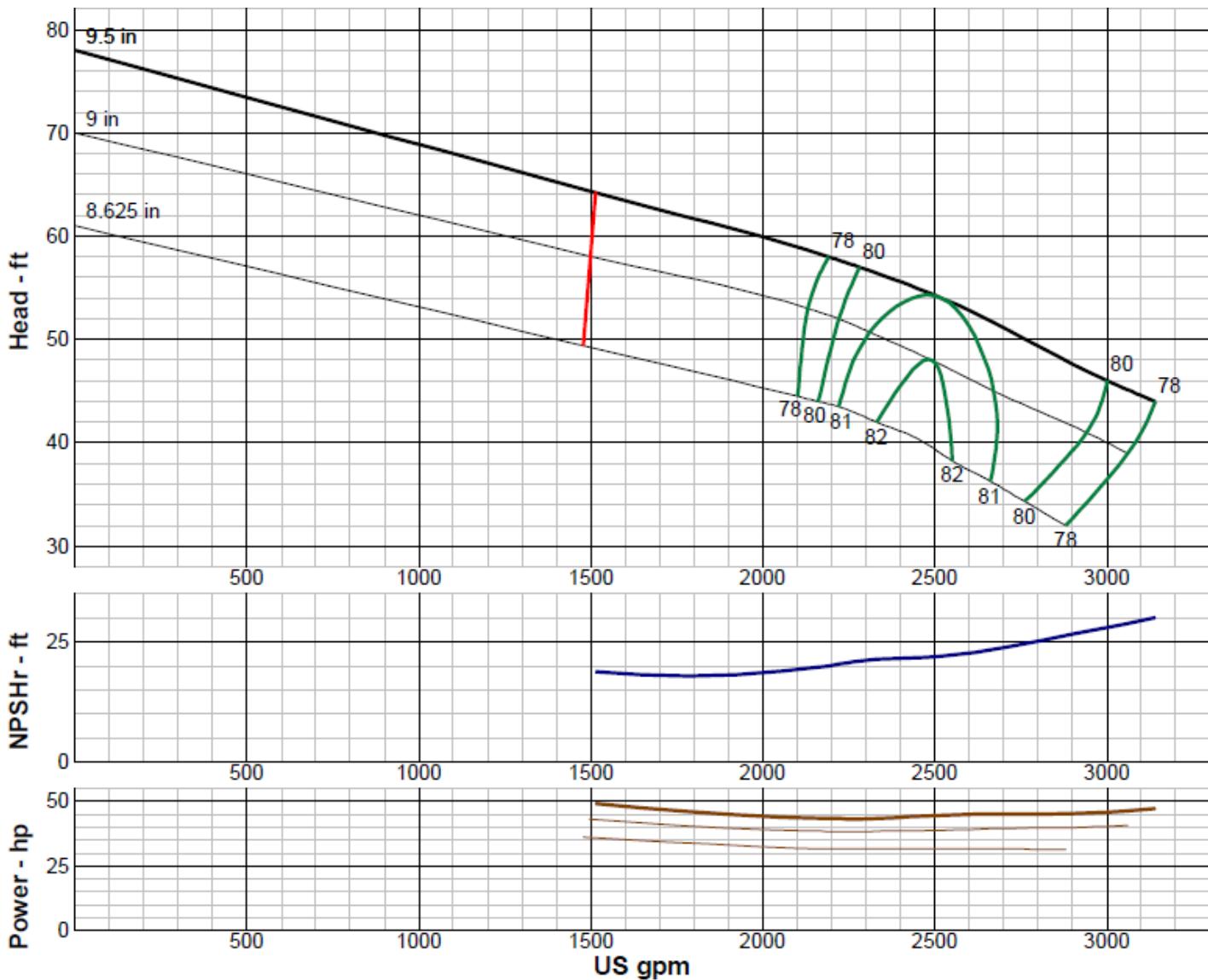
Wilo-Vertical Turbine Pump Curve

Single Stage Performance

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W12YS

1760 RPM



IMPELLER DATA	
IMPELLER NUMBER	4778
TYPE	SEMI-OPEN
THRUST FACTOR	K=16.50
EYE AREA	30.0 SQ. IN.
WEIGHT	19.00 LB.

FLANGED BOWL DATA	
BOWL NUMBER	4772
BOWL MAX. DIAMETER	12.188 IN.
BOWL MIN. DIAMETER	11.750 IN.
MAX. NO. STAGES	8
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)

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.					

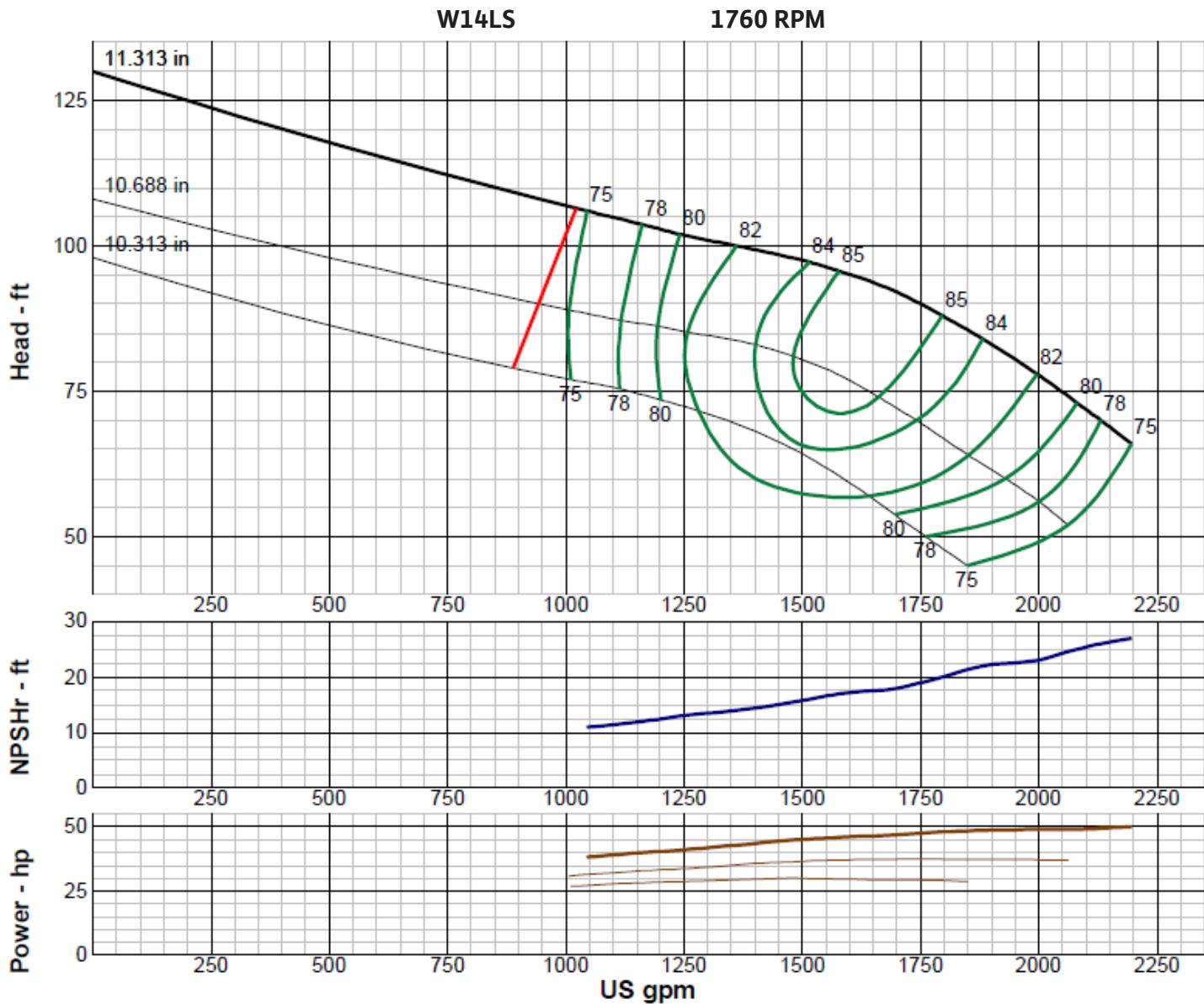
PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-2
BOWL MATERIAL:	-2	-1	-2	-3

Performance based on pumping clean, 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.

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IMPELLER DATA

IMPELLER NUMBER	3107
TYPE	SEMI-OPEN
THRUST FACTOR	K=19.70
EYE AREA	31.5 SQ. IN.
WEIGHT	18.50 LB.

Minimum submergence above eye of bottom impeller: 30 IN.

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)

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

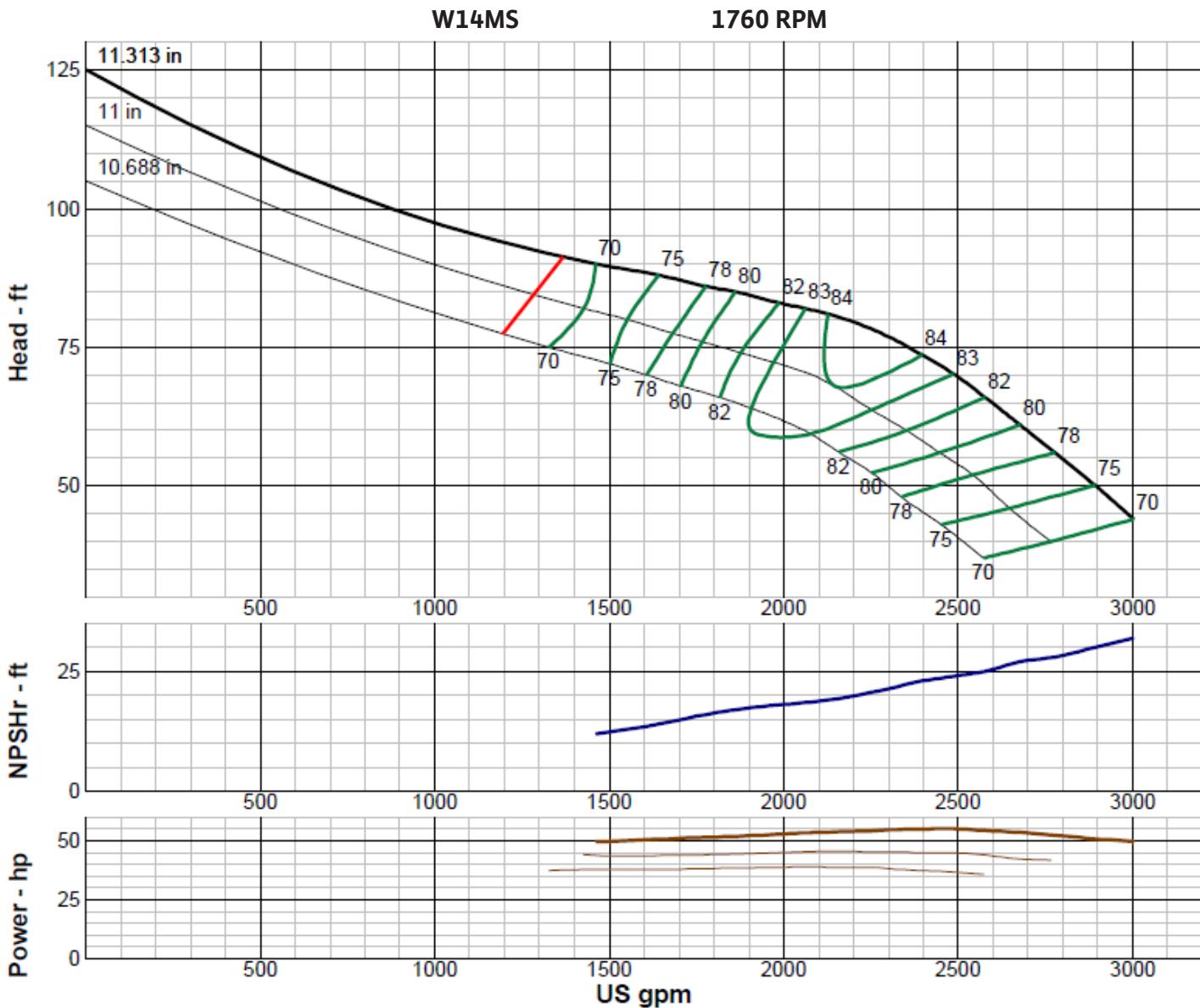
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-3

Performance based on pumping clean, 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.

Wilo-Vertical Turbine Pump Curve

Single Stage Performance

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IMPELLER DATA	
IMPELLER NUMBER	3078
TYPE	SEMI-OPEN
THRUST FACTOR	K=23.40
EYE AREA	40.9 SQ. IN.
WEIGHT	20.25 LB.

Minimum submergence above eye of bottom impeller: 30 IN.

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)

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.					

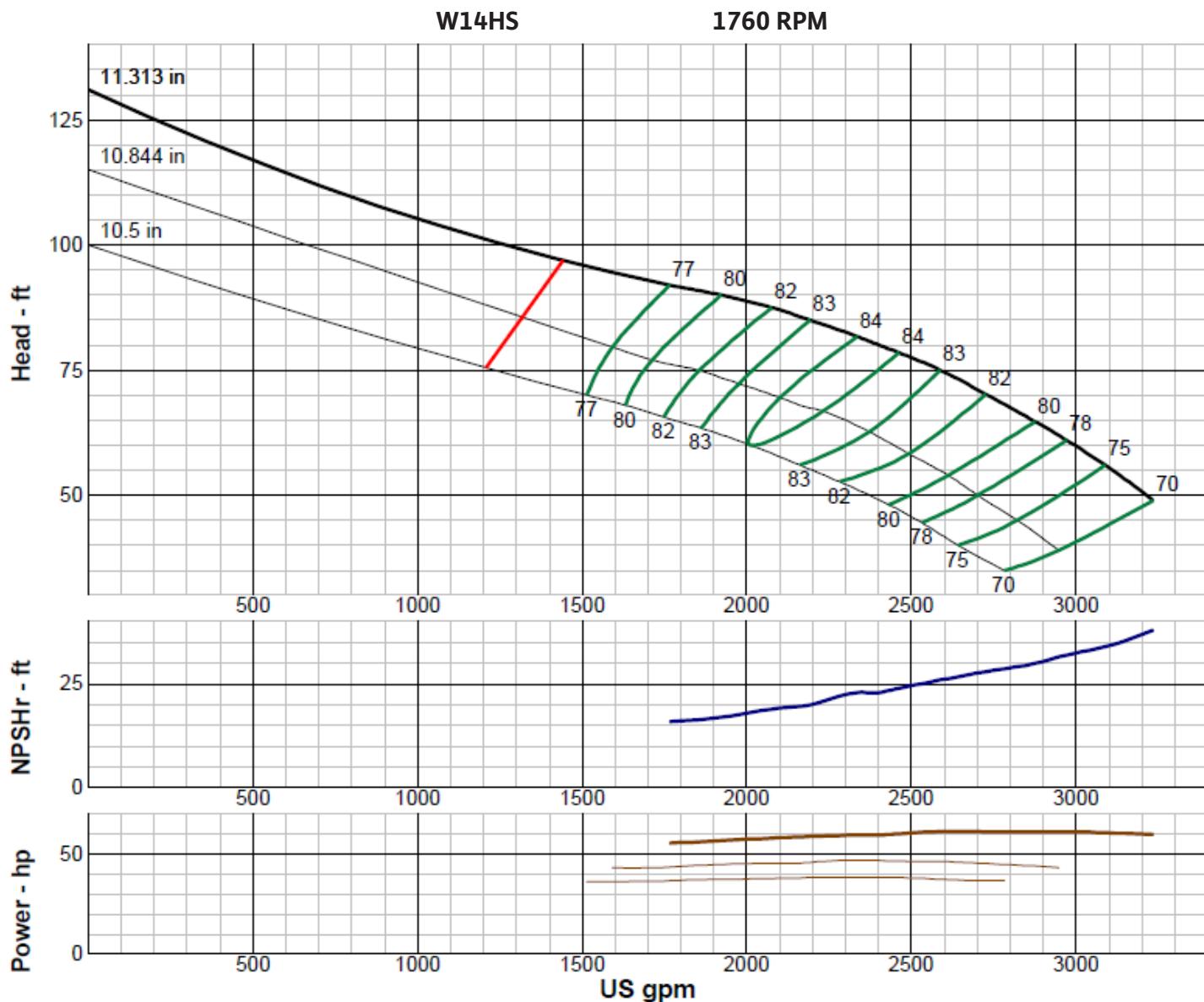
PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

Performance based on pumping clean, 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.

Wilo-Vertical Turbine Pump Curve

Single Stage Performance

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IMPELLER DATA	
IMPELLER NUMBER	3029
TYPE	SEMI-OPEN
THRUST FACTOR	K=25.20
EYE AREA	43.9 SQ. IN.
WEIGHT	21.25 LB.

Minimum submergence above eye of bottom impeller: 32 IN.

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)

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

Performance based on pumping clean, 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.

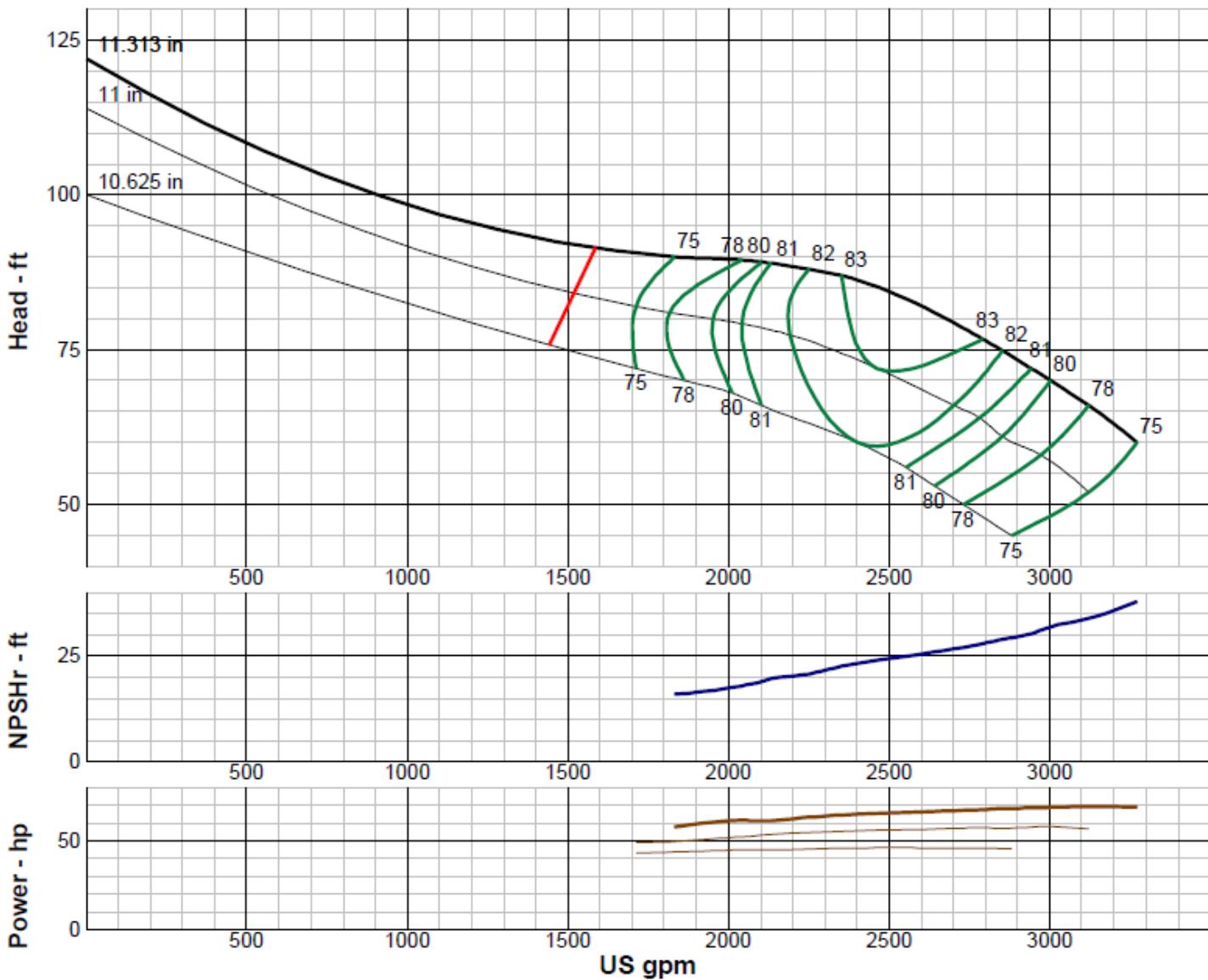
Wilo-Vertical Turbine Pump Curve

Single Stage Performance

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W14XS

1760 RPM



IMPELLER DATA	
IMPELLER NUMBER	3029
TYPE	SEMI-OPEN
THRUST FACTOR	K=23.40
EYE AREA	40.9 SQ. IN.
WEIGHT	20.25 LB.

FLANGED BOWL DATA	
BOWL NUMBER	3042
BOWL MAX. DIAMETER	13.500 IN.
BOWL MIN. DIAMETER	13.250 IN.
MAX. NO. STAGES	8
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)

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.					

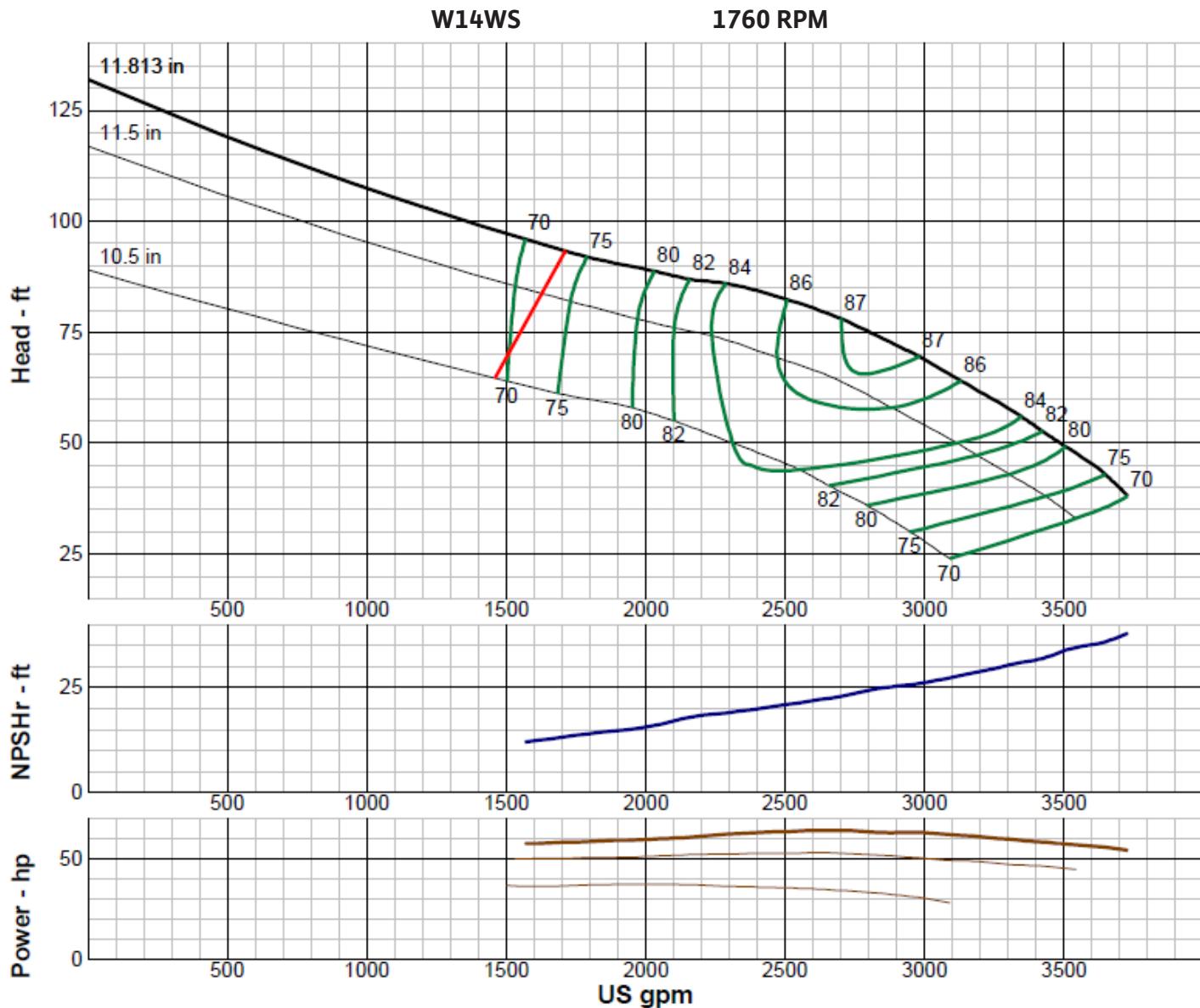
PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

Performance based on pumping clean, 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.

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IMPELLER DATA	
IMPELLER NUMBER	4153
TYPE	SEMI-OPEN
THRUST FACTOR	K=26.20
EYE AREA	47.3 SQ. IN.
WEIGHT	23.25 LB.

Minimum submergence above eye of bottom impeller: 34 IN.

FLANGED BOWL DATA	
BOWL NUMBER	4152
BOWL MAX. DIAMETER	17.063 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)

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.					

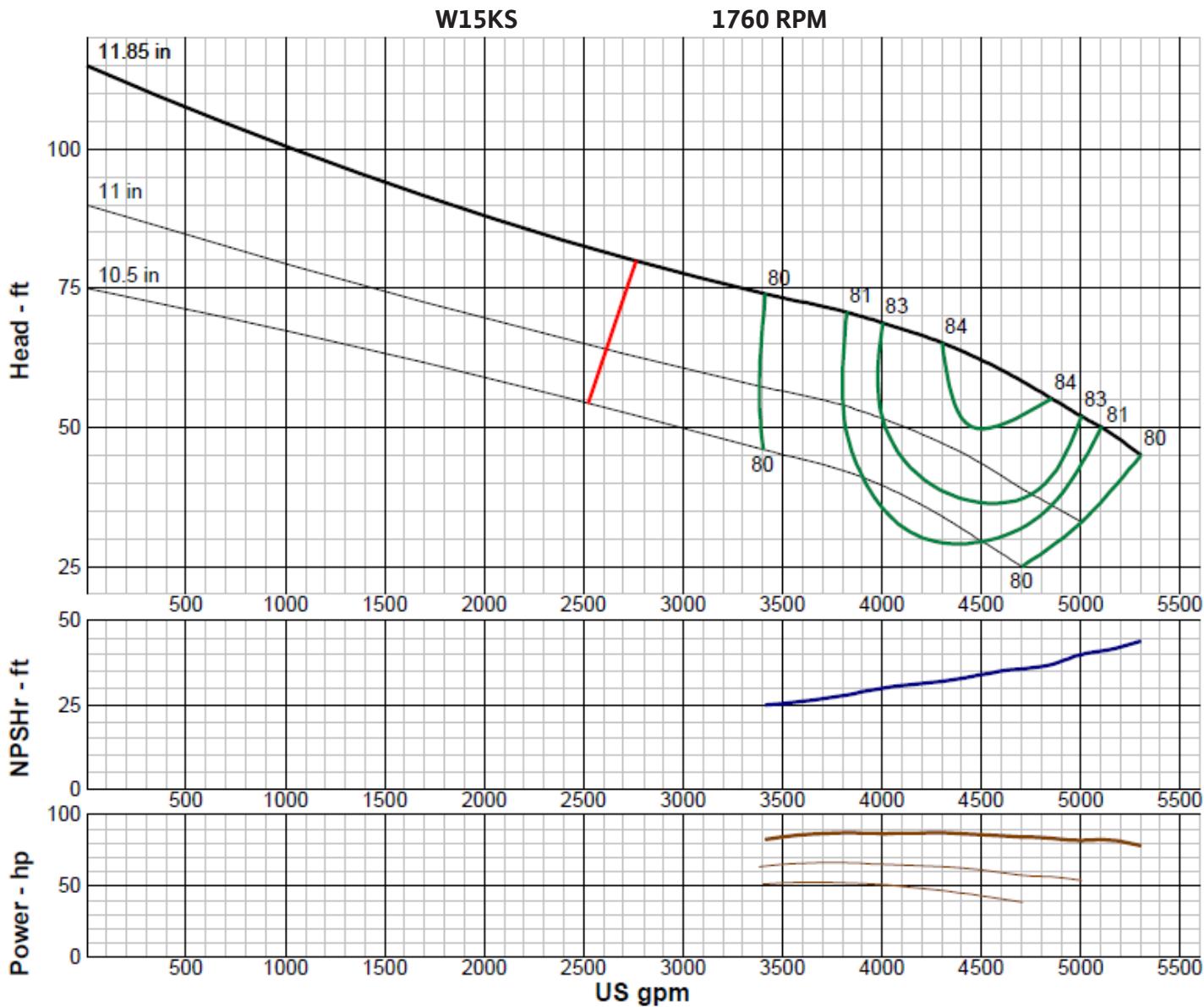
PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

Performance based on pumping clean, 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.

Wilo-Vertical Turbine Pump Curve

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IMPELLER DATA		
IMPELLER NUMBER	0004	Minimum submergence above eye of bottom impeller: 36 IN.
TYPE	SEMI-OPEN	
THRUST FACTOR	K=30.00	
EYE AREA	63.6 SQ. IN.	
WEIGHT	21.00 LB.	

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	375 LB.
ADD STAGE WEIGHT	170 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)

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

Performance based on pumping clean, 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.