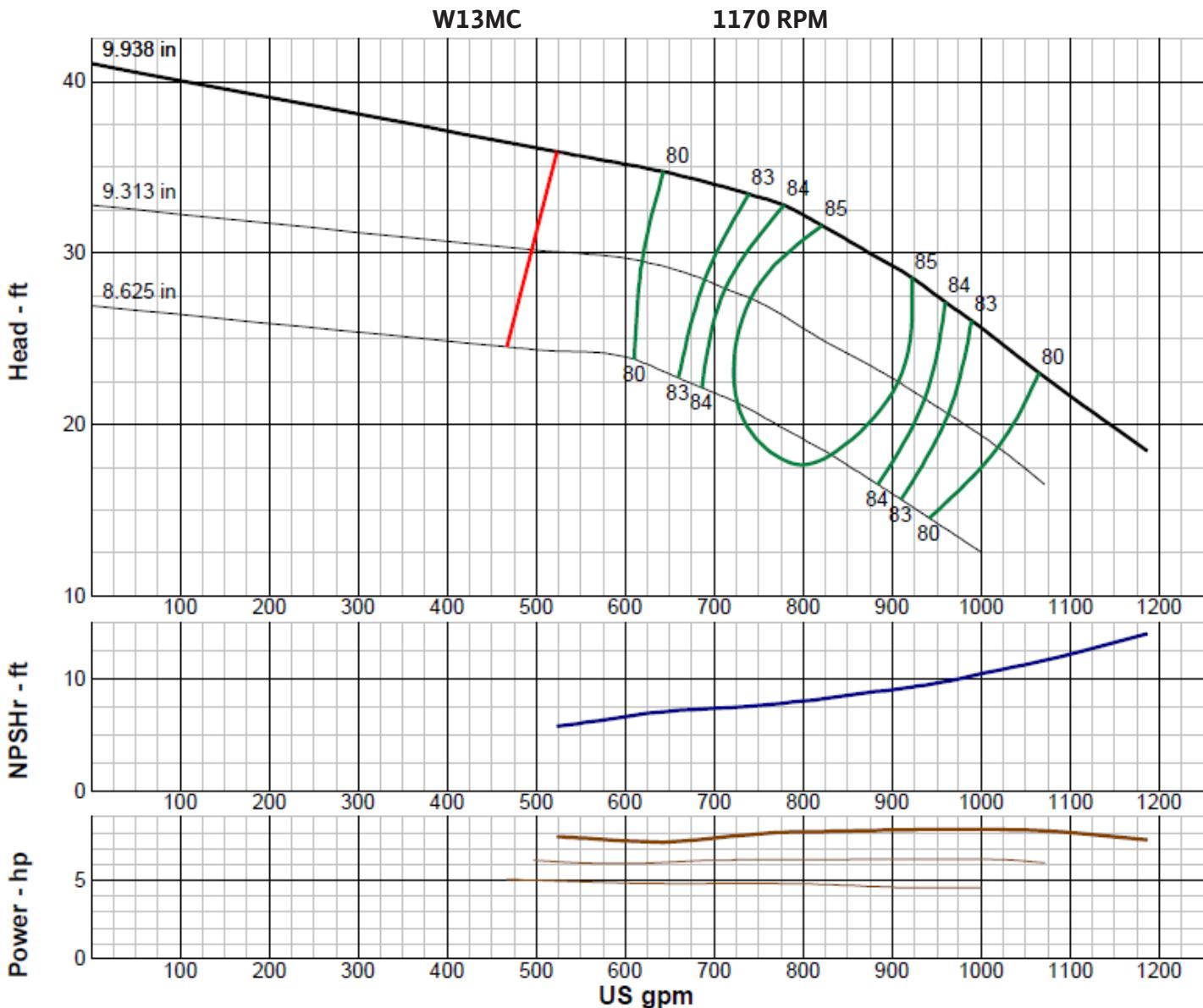


# Wilo-Vertical Turbine Pump Curve

Single Stage Performance

wilo®



## IMPELLER DATA

IMPELLER NUMBER	2999
TYPE	ENCLOSED
THRUST FACTOR	K=7.90
EYE AREA	23.4 SQ. IN.
WEIGHT	14.70 LB.

Minimum submergence above eye of bottom impeller: 24 IN.

## FLANGED BOWL DATA

BOWL NUMBER	2988
BOWL MAX. DIAMETER	12.500 IN.
BOWL MIN. DIAMETER	12.125 IN.
MAX. NO. STAGES	13
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)

## 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

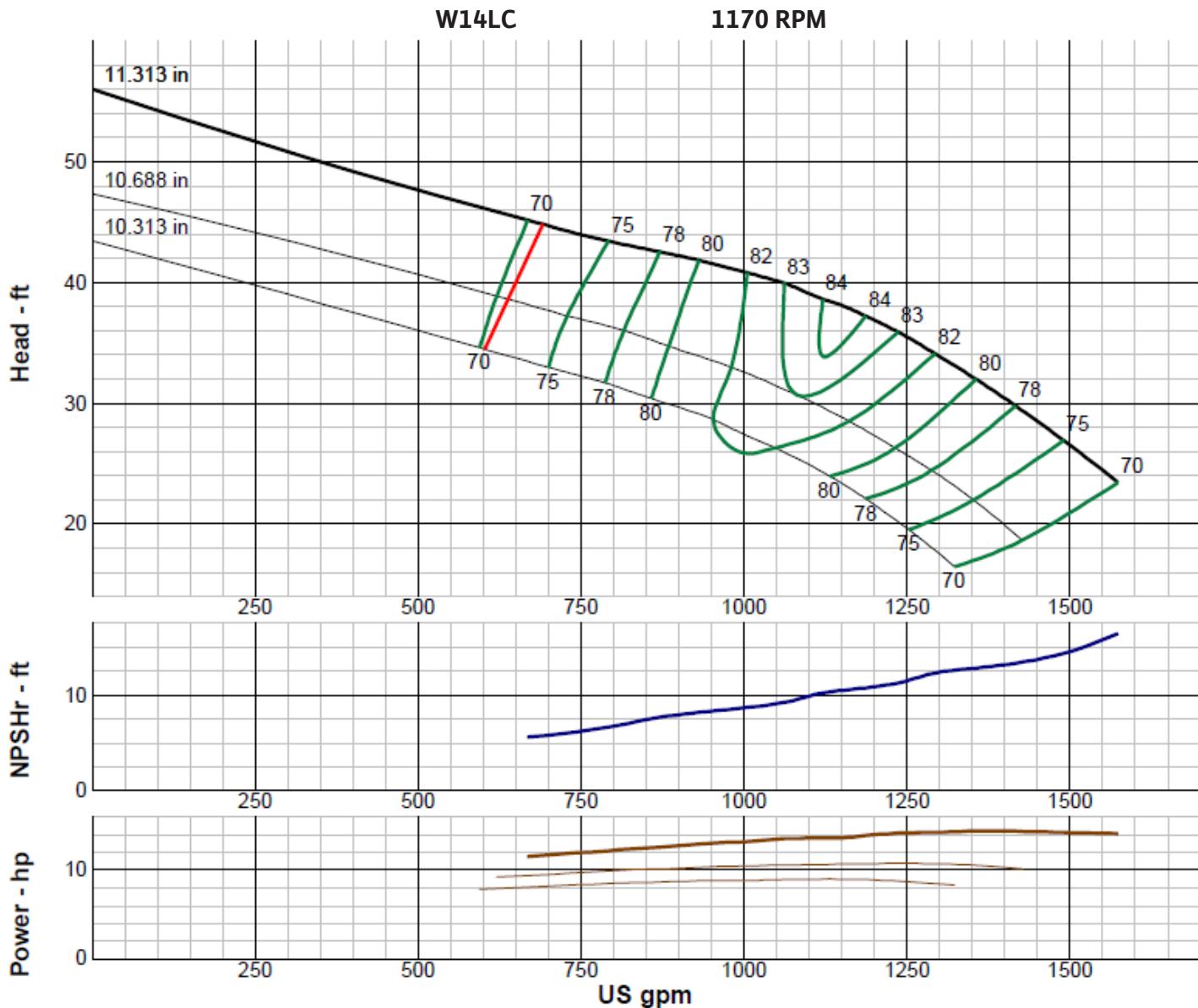
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-1	-3

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

wilo®



IMPELLER DATA	
IMPELLER NUMBER	3105
TYPE	ENCLOSED
THRUST FACTOR	K=17.20
EYE AREA	31.5 SQ. IN.
WEIGHT	28.00 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	27
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	4	
CHANGE AS FOLLOWS:	-4	-2	-1	0	
CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.					

## PUMP MATERIAL EFFICIENCY CORRECTION

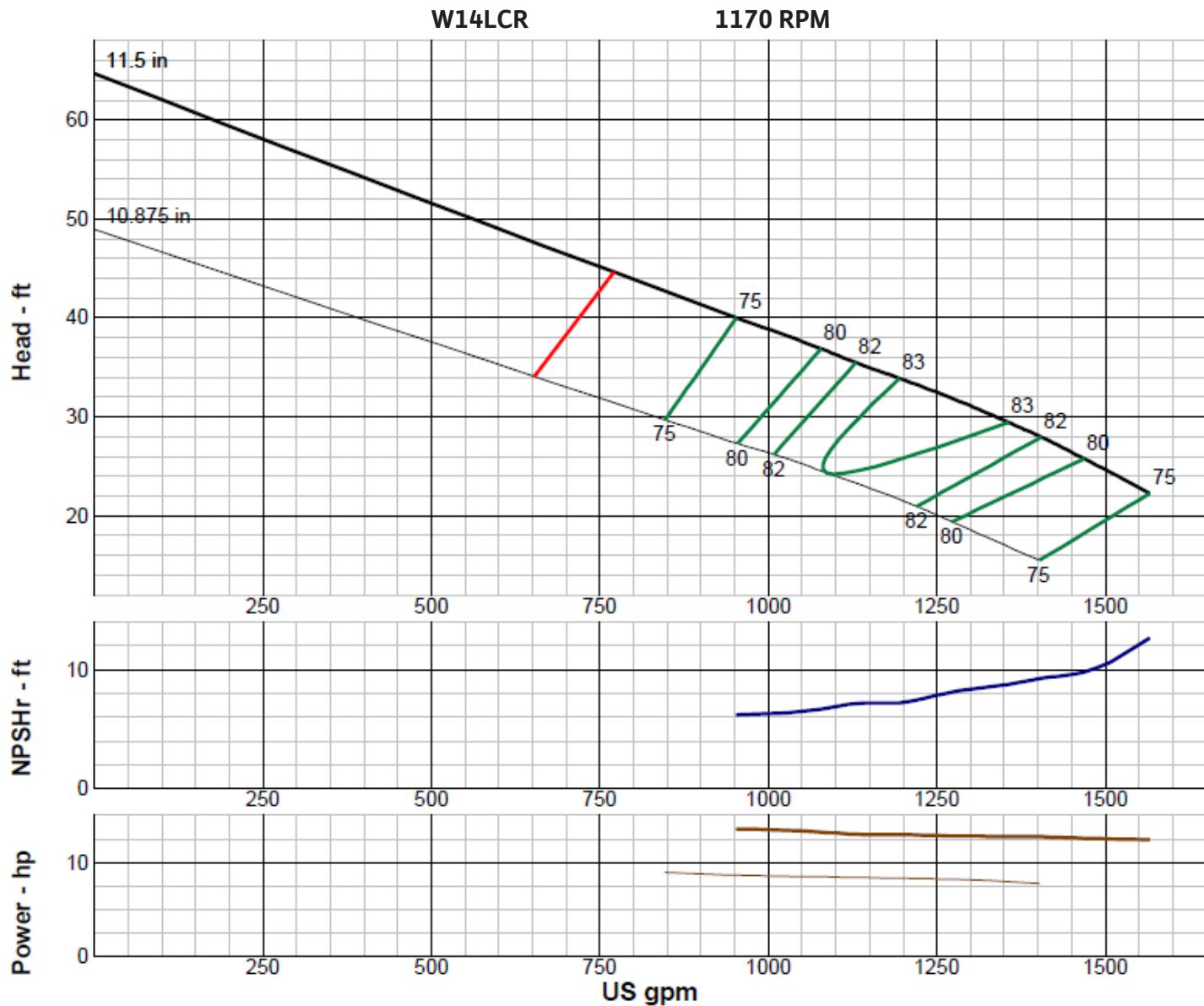
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

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

Single Stage Performance

wilo®



IMPELLER DATA	
IMPELLER NUMBER	0098
TYPE	ENCLOSED
THRUST FACTOR	K=15.50
EYE AREA	37.8 SQ. IN.
WEIGHT	26.00 LB.

Minimum submergence above eye of bottom impeller: 36 IN.

FLANGED BOWL DATA	
BOWL NUMBER	5447
BOWL MAX. DIAMETER	14.250 IN.
BOWL MIN. DIAMETER	14.125 IN.
MAX. NO. STAGES	14
ONE STAGE WEIGHT	700 LB.
ADD STAGE WEIGHT	265 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)

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

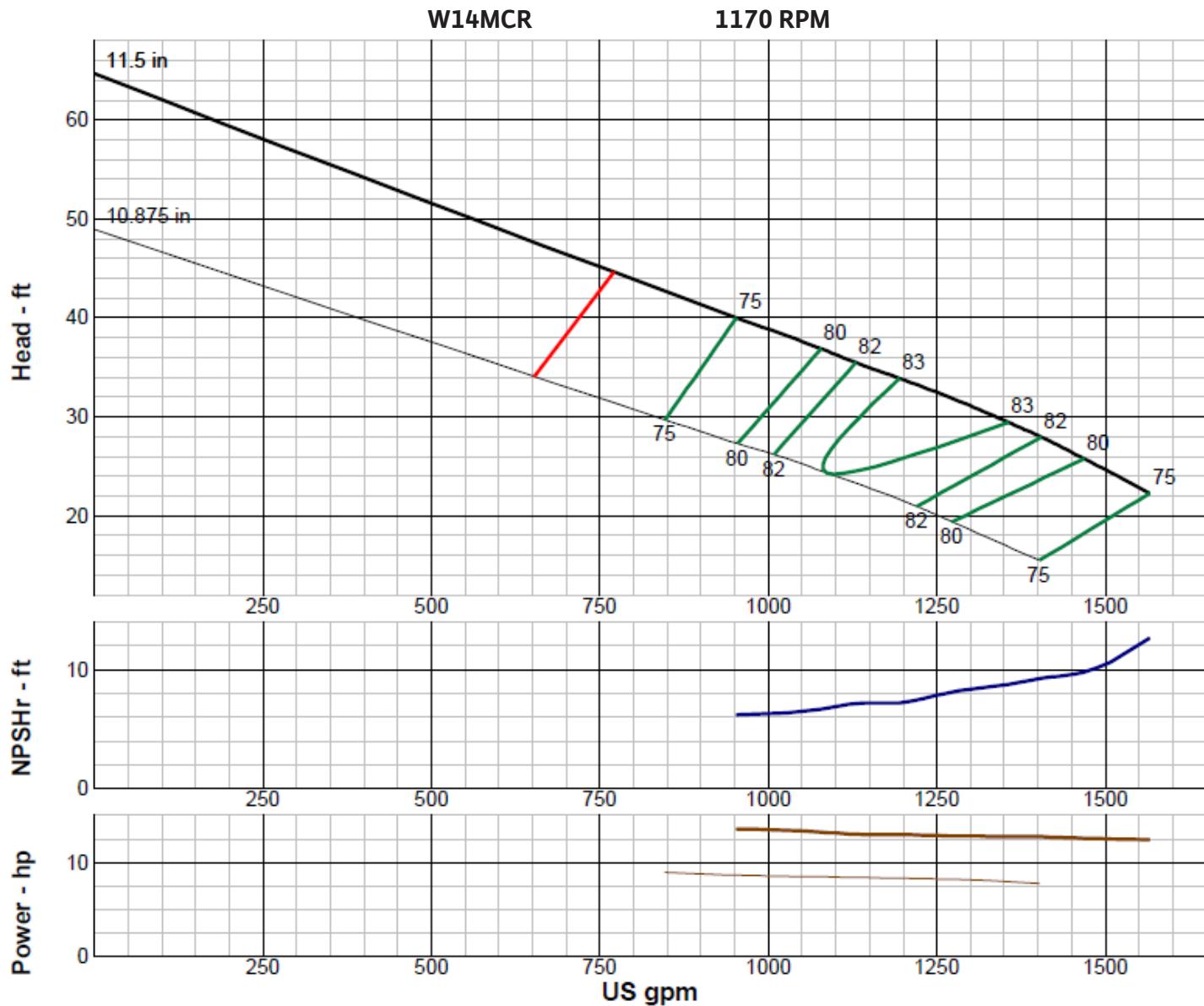
PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

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	0101
TYPE	ENCLOSED
THRUST FACTOR	K=15.50
EYE AREA	37.8 SQ. IN.
WEIGHT	26.00 LB.

Minimum submergence above eye of bottom impeller: 36 IN.

FLANGED BOWL DATA	
BOWL NUMBER	5447
BOWL MAX. DIAMETER	14.250 IN.
BOWL MIN. DIAMETER	14.125 IN.
MAX. NO. STAGES	14
ONE STAGE WEIGHT	700 LB.
ADD STAGE WEIGHT	265 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)

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

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.

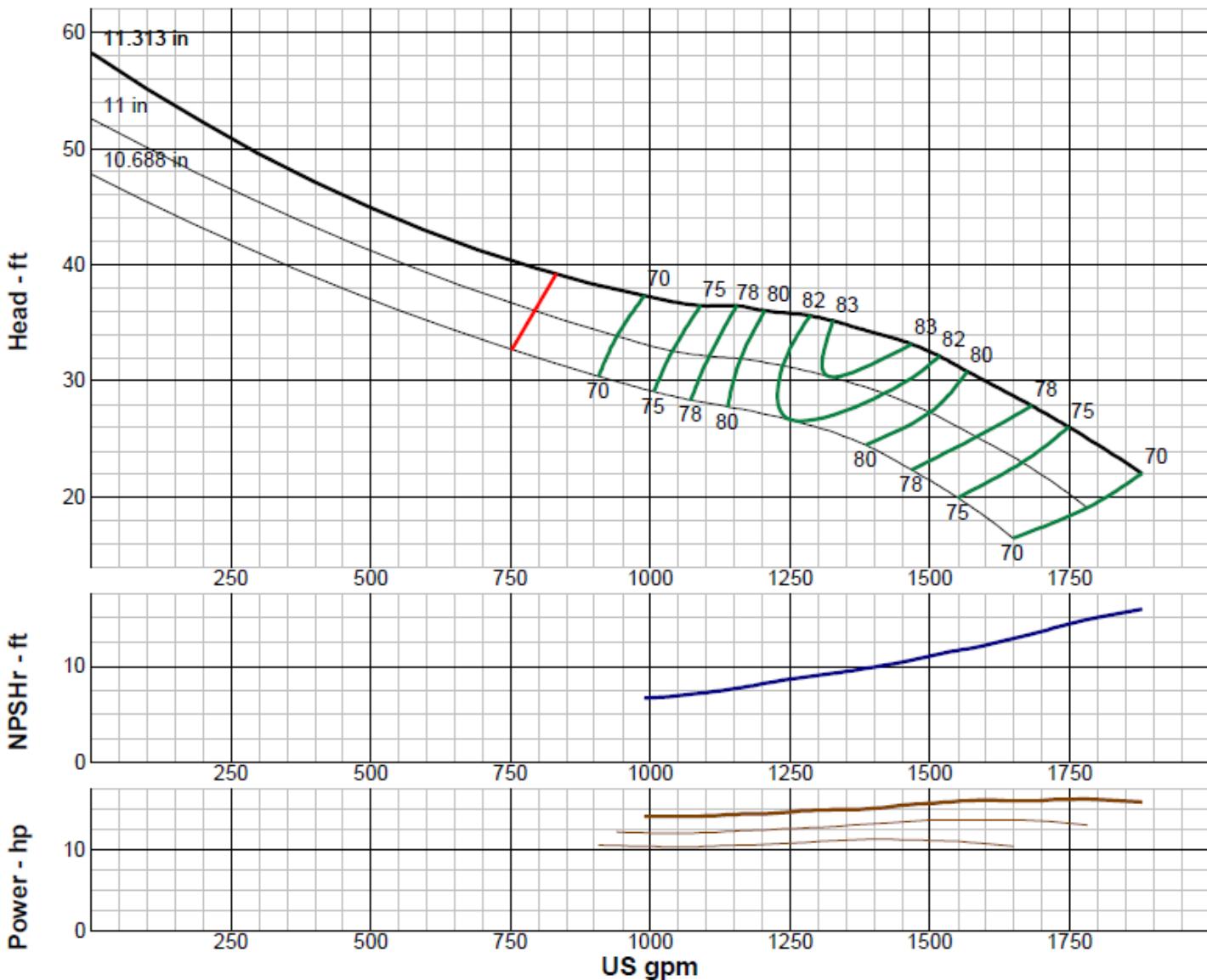
## Wilo-Vertical Turbine Pump Curve

## Single Stage Performance

wilo®

**W14MC**

1170 RPM



IMPELLER DATA	
IMPELLER NUMBER	3065
TYPE	ENCLOSED
THRUST FACTOR	K=21.80
EYE AREA	40.9 SQ. IN.
WEIGHT	28.00 LB.

FLANGED BOWL DATA	
BOWL NUMBER	3042
BOWL MAX. DIAMETER	13.500 IN.
BOWL MIN. DIAMETER	13.250 IN.
MAX. NO. STAGES	23
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:	-4	-2	-1	0

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

## PUMP MATERIAL EFFICIENCY CORRECTION

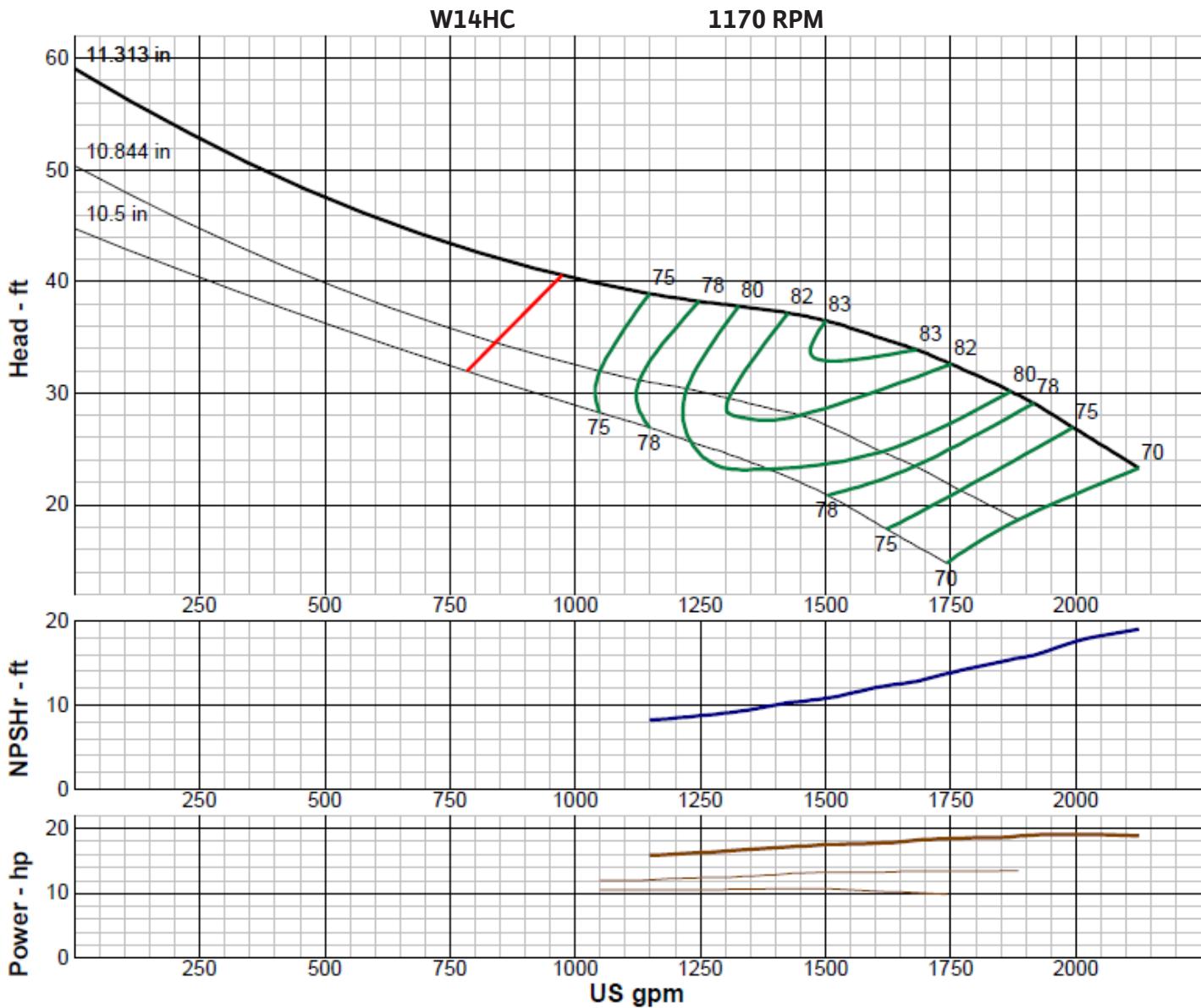
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

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

Single Stage Performance

wilo®



## IMPELLER DATA

IMPELLER NUMBER	3029
TYPE	ENCLOSED
THRUST FACTOR	K=21.80
EYE AREA	40.9 SQ. IN.
WEIGHT	30.25 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	19
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:	-4	-2	-1	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

## PUMP MATERIAL EFFICIENCY CORRECTION

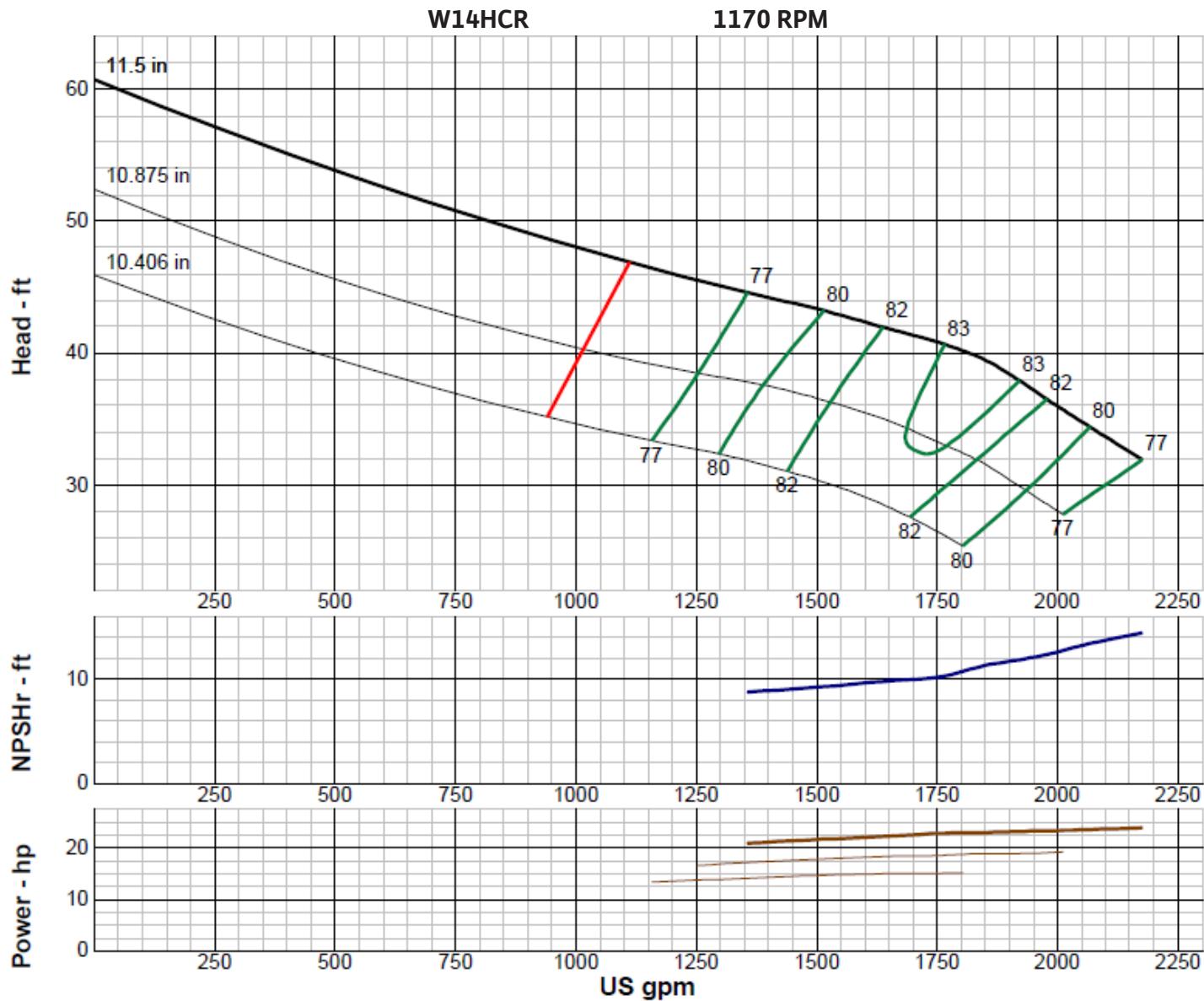
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

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

Single Stage Performance

wilo®



IMPELLER DATA	
IMPELLER NUMBER	0103
TYPE	ENCLOSED
THRUST FACTOR	K=15.50
EYE AREA	37.8 SQ. IN.
WEIGHT	30.25 LB.

Minimum submergence above eye of bottom impeller: 36 IN.

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	700 LB.
ADD STAGE WEIGHT	265 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)

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

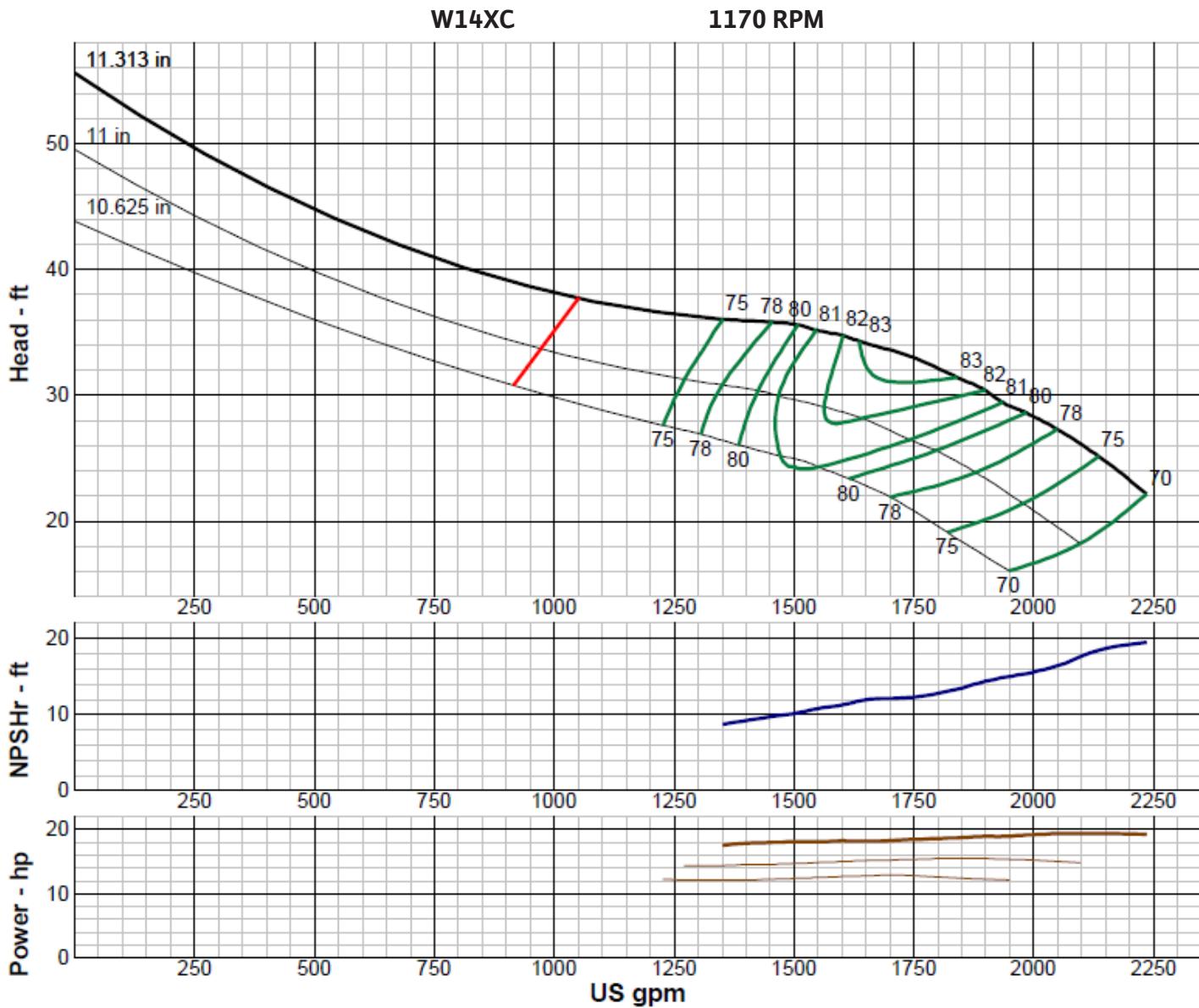
PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

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	3086
TYPE	ENCLOSED
THRUST FACTOR	K=21.80
EYE AREA	40.9 SQ. IN.
WEIGHT	29.25 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	20
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:	-5	-3	-1	0	

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

#### PUMP MATERIAL EFFICIENCY CORRECTION

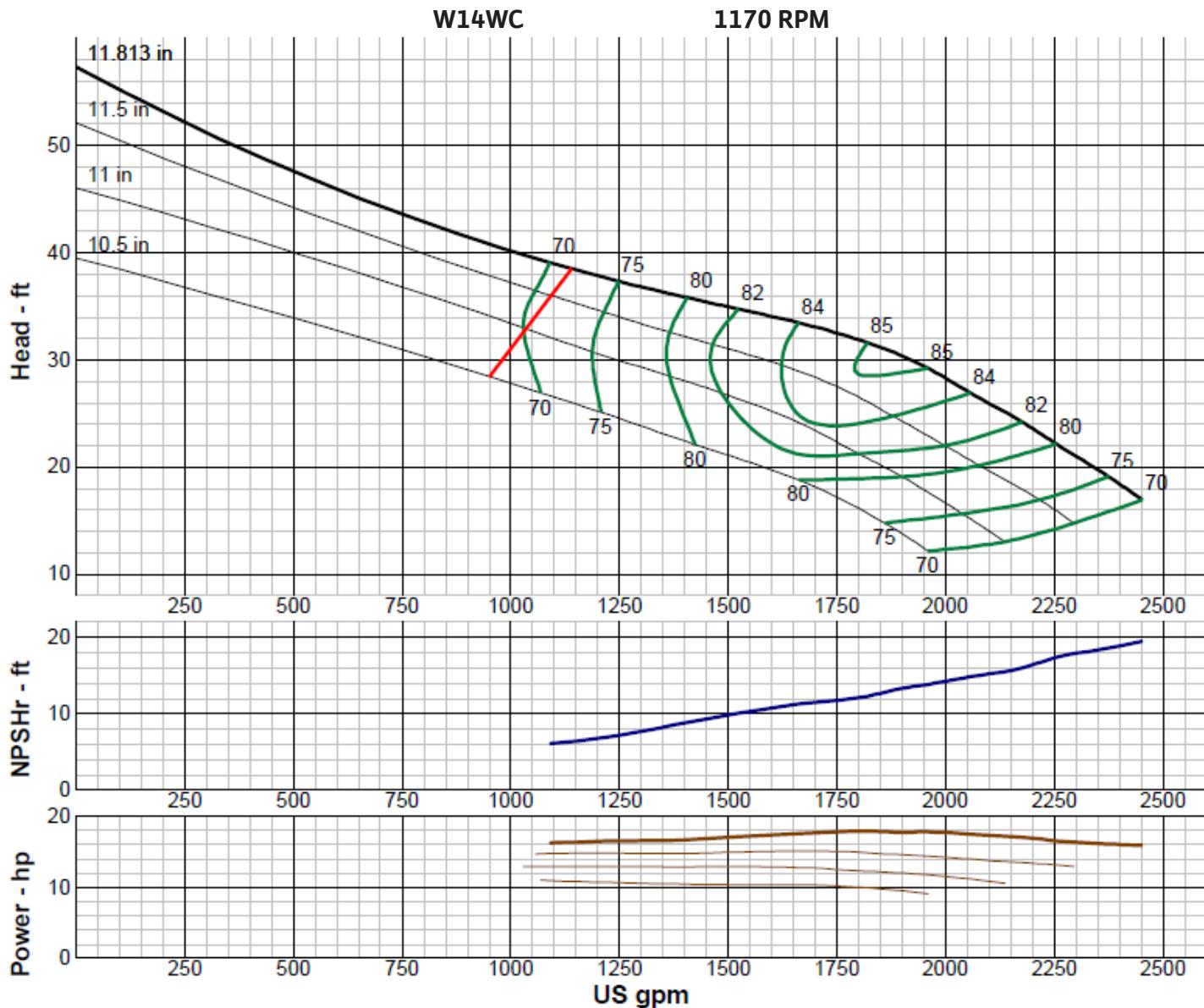
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

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	4151
TYPE	ENCLOSED
THRUST FACTOR	K=24.80
EYE AREA	47.4 SQ. IN.
WEIGHT	31.75 LB.

Minimum submergence above eye of bottom impeller: 34 IN.

FLANGED BOWL DATA	
BOWL NUMBER	4152
BOWL MAX. DIAMETER	14.063 IN.
BOWL MIN. DIAMETER	13.750 IN.
MAX. NO. STAGES	21
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.					

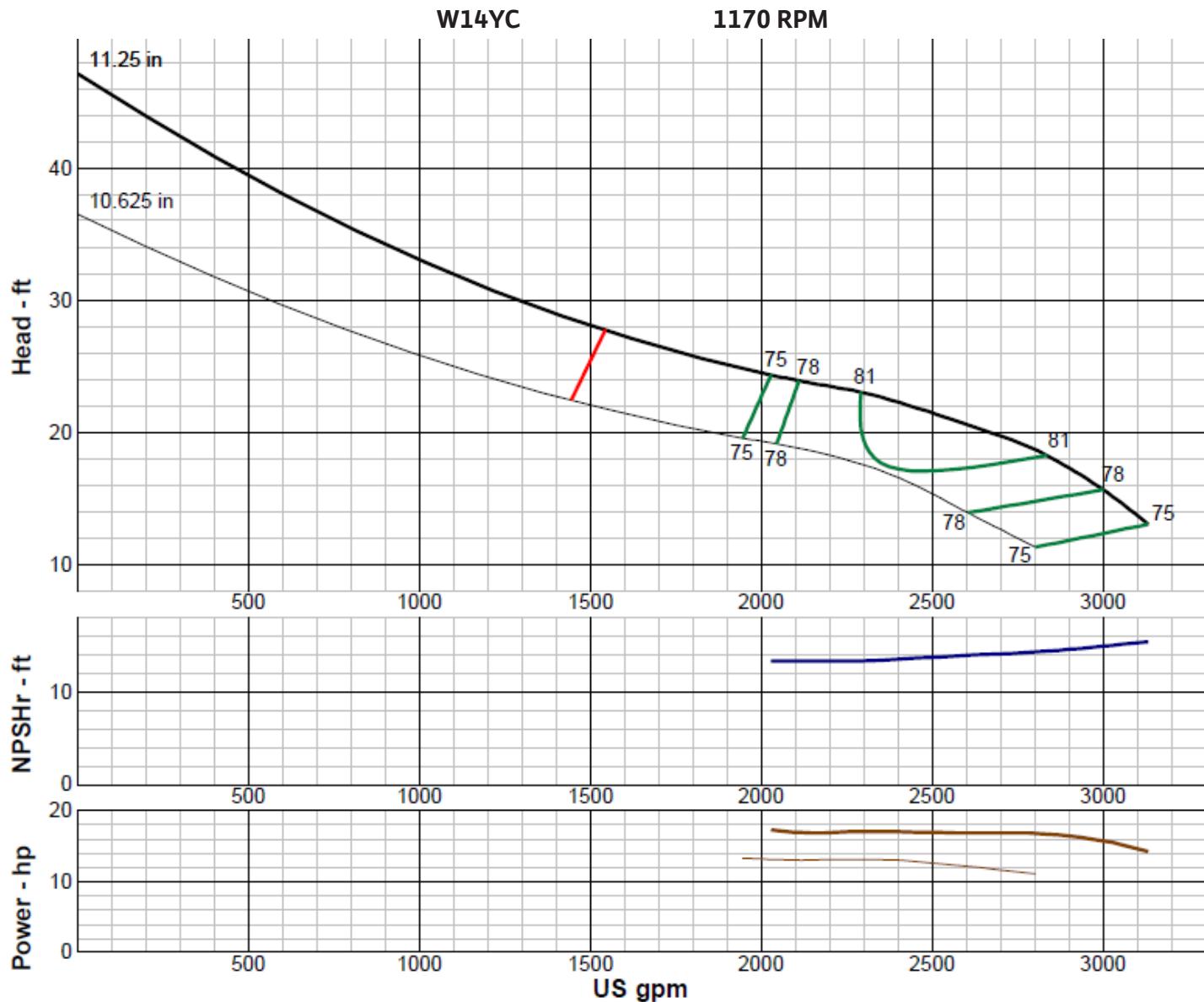
PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

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

Single Stage Performance

wilo®



IMPELLER DATA	
IMPELLER NUMBER	3878
TYPE	ENCLOSED
THRUST FACTOR	K=24.00
EYE AREA	57.0 SQ. IN.
WEIGHT	28.00 LB.

Minimum submergence above eye of bottom impeller: 34 IN.

FLANGED BOWL DATA	
BOWL NUMBER	3869
BOWL MAX. DIAMETER	13.750 IN.
BOWL MIN. DIAMETER	13.500 IN.
MAX. NO. STAGES	15
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)

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.					

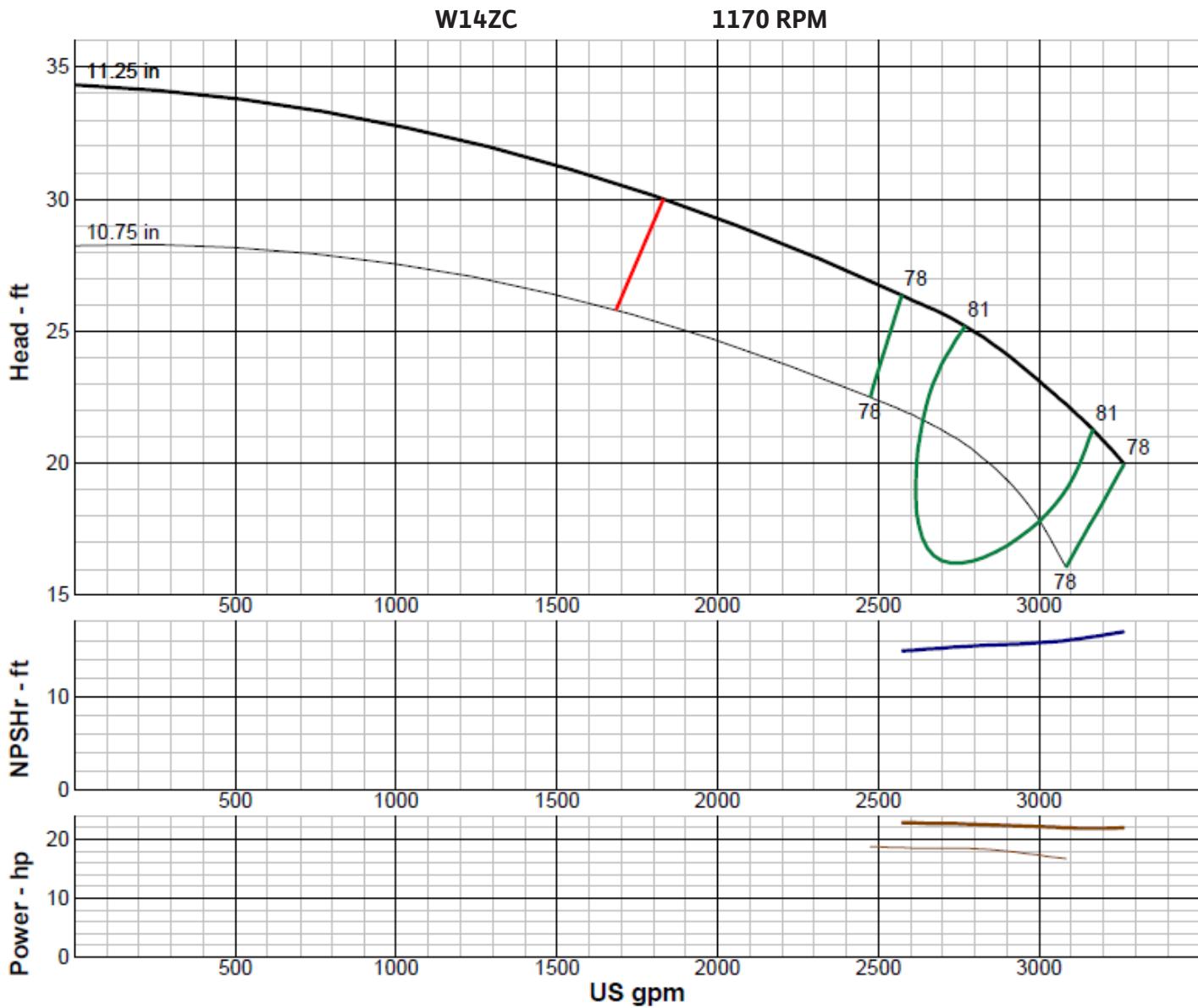
PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

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

wilo®



IMPELLER DATA	
IMPELLER NUMBER	3896
TYPE	ENCLOSED
THRUST FACTOR	K=24.70
EYE AREA	58.5 SQ. IN.
WEIGHT	28.00 LB.

FLANGED BOWL DATA	
BOWL NUMBER	3869
BOWL MAX. DIAMETER	13.750 IN.
BOWL MIN. DIAMETER	13.500 IN.
MAX. NO. STAGES	12
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)

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.

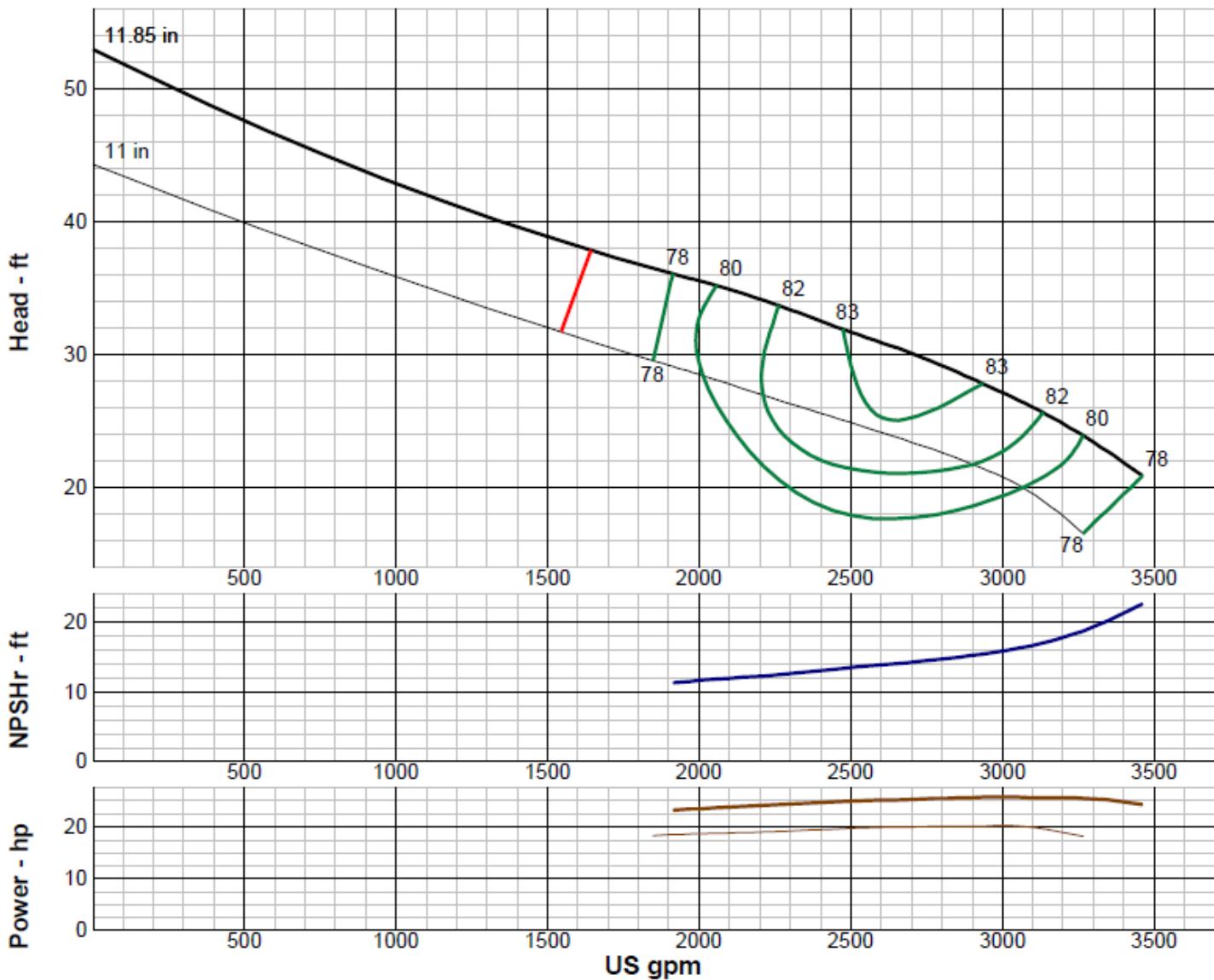
## Wilo-Vertical Turbine Pump Curve

## Single Stage Performance

wilo®

**W15KC**

**1170 RPM**



IMPELLER DATA	
IMPELLER NUMBER	0004
TYPE	ENCLOSED
THRUST FACTOR	K=28.00
EYE AREA	63.6 SQ. IN.
WEIGHT	30.00 LB.

FLANGED BOWL DATA	
BOWL NUMBER	0001
BOWL MAX. DIAMETER	15.250 IN.
BOWL MIN. DIAMETER	14.750 IN.
MAX. NO. STAGES	14
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)

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.					

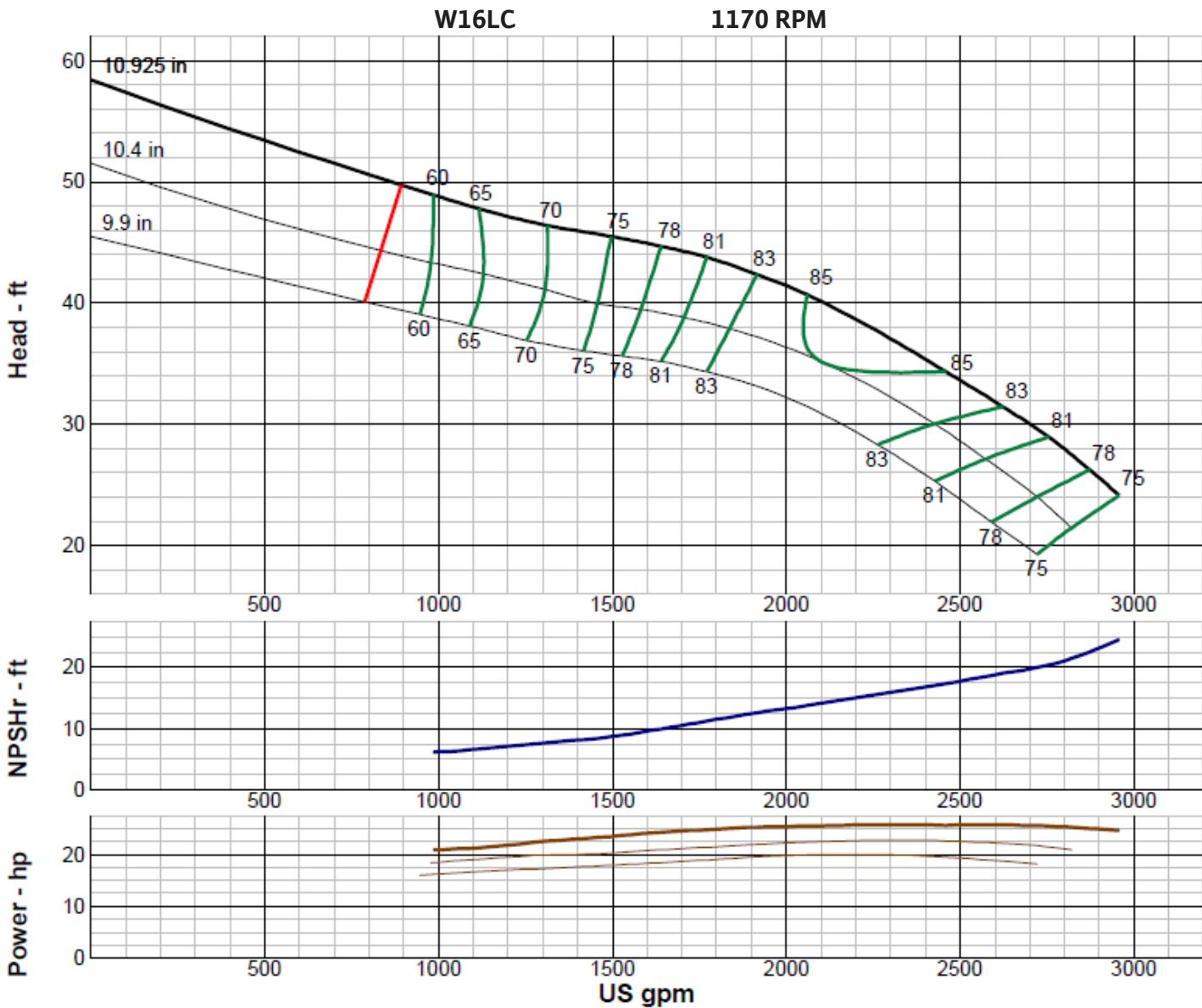
PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

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	0312
TYPE	ENCLOSED
THRUST FACTOR	K=20.00
EYE AREA	51.3 SQ. IN.
WEIGHT	32.30 LB.

Minimum submergence above eye of bottom impeller: 32 IN.

## FLANGED BOWL DATA

BOWL NUMBER	0310
BOWL MAX. DIAMETER	15.375 IN.
BOWL MIN. DIAMETER	15.375 IN.
MAX. NO. STAGES	14
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 IN.
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)

## EFFICIENCY CORRECTION

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

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

## PUMP MATERIAL EFFICIENCY CORRECTION

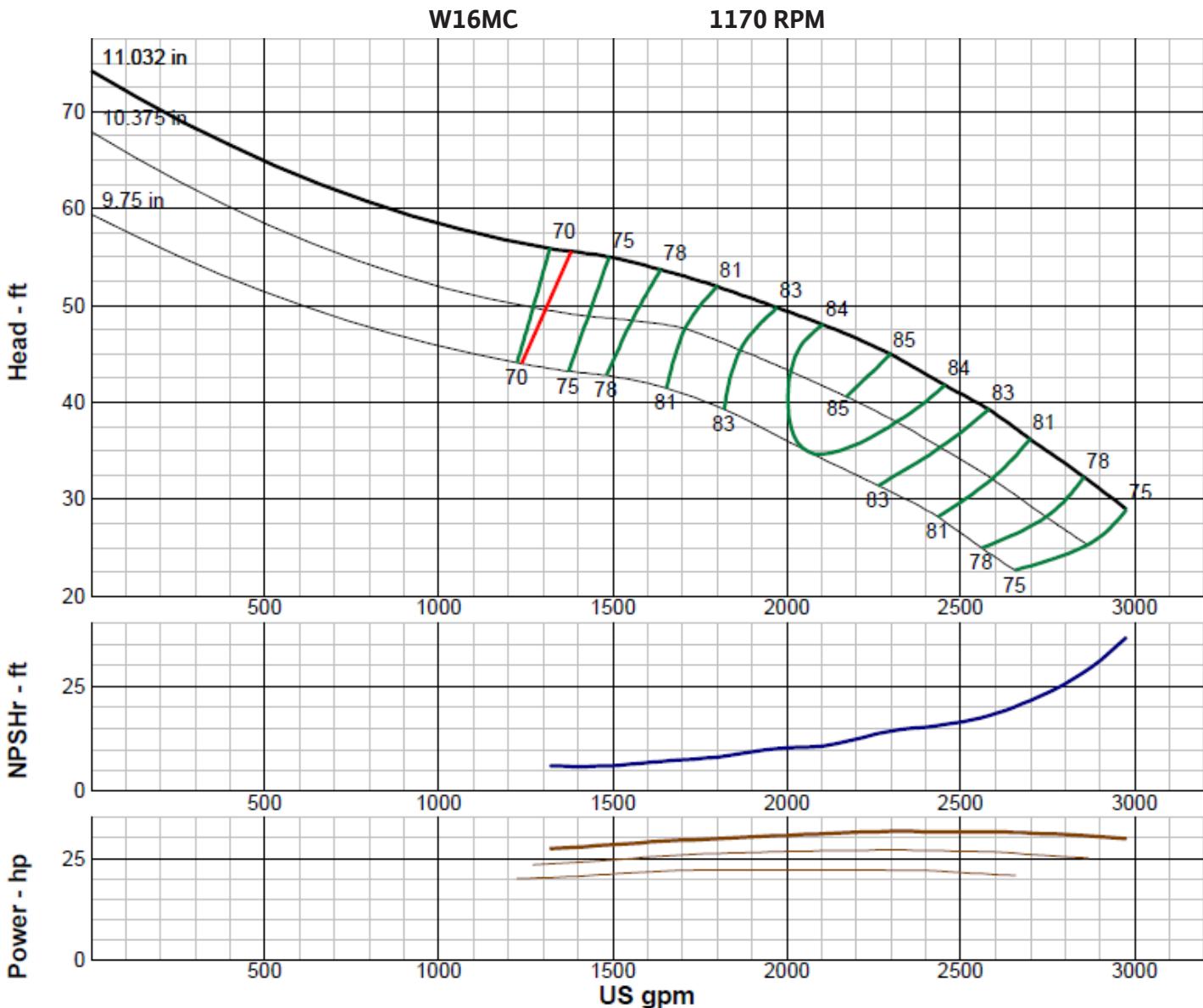
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

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	0308
TYPE	ENCLOSED
THRUST FACTOR	K=23.00
EYE AREA	58.4 SQ. IN.
WEIGHT	42.00 LB.

Minimum submergence above eye of bottom impeller: 36 IN.

## FLANGED BOWL DATA

BOWL NUMBER	0306
BOWL MAX. DIAMETER	16.000 IN.
BOWL MIN. DIAMETER	16.000 IN.
MAX. NO. STAGES	14
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 IN.
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)

## 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

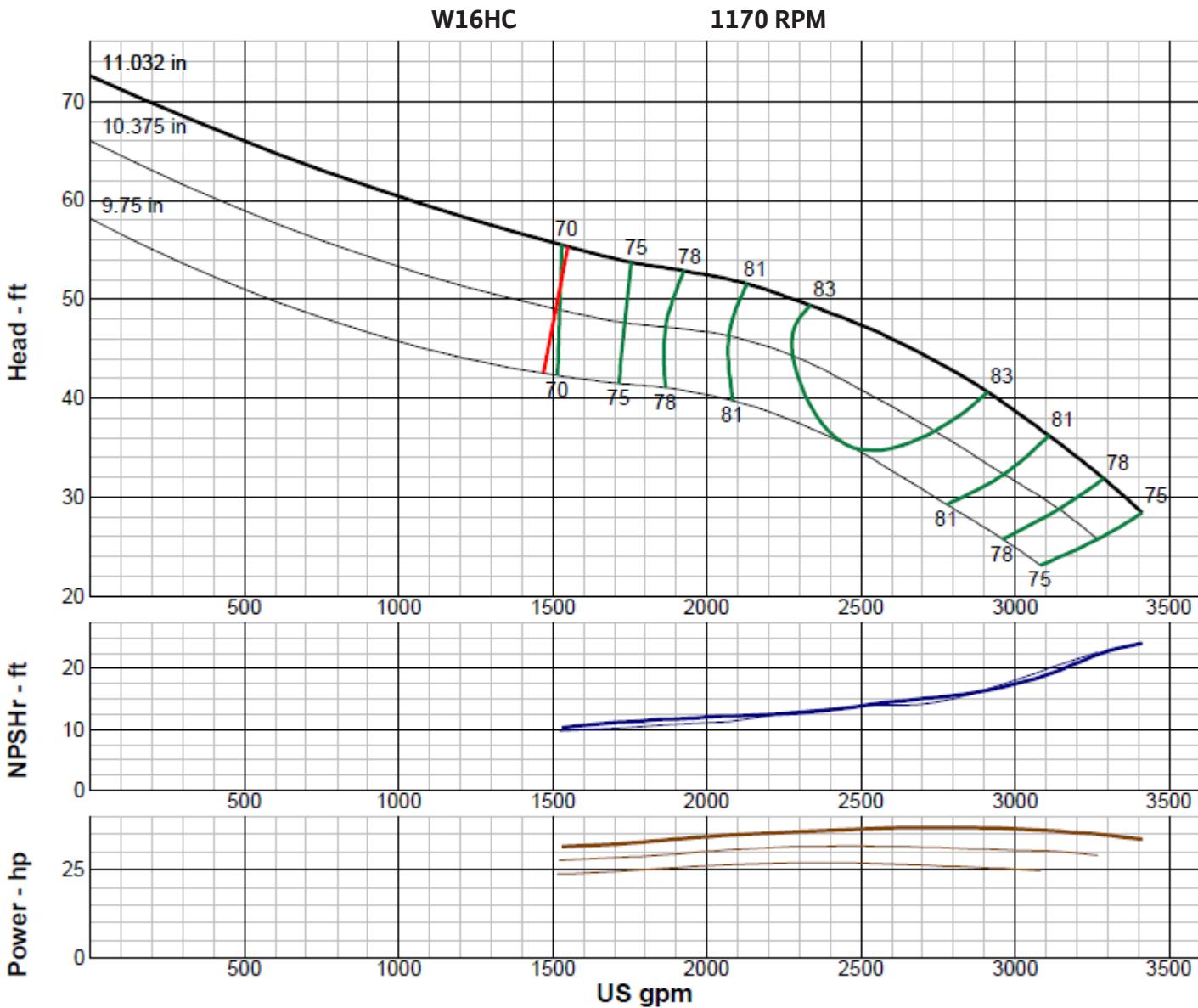
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

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

wilo®



IMPELLER DATA	
IMPELLER NUMBER	0309
TYPE	ENCLOSED
THRUST FACTOR	K=23.00
EYE AREA	58.4 SQ. IN.
WEIGHT	52.00 LB.

FLANGED BOWL DATA	
BOWL NUMBER	0306
BOWL MAX. DIAMETER	16.000 IN.
BOWL MIN. DIAMETER	16.000 IN.
MAX. NO. STAGES	12
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 IN.
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)

## 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

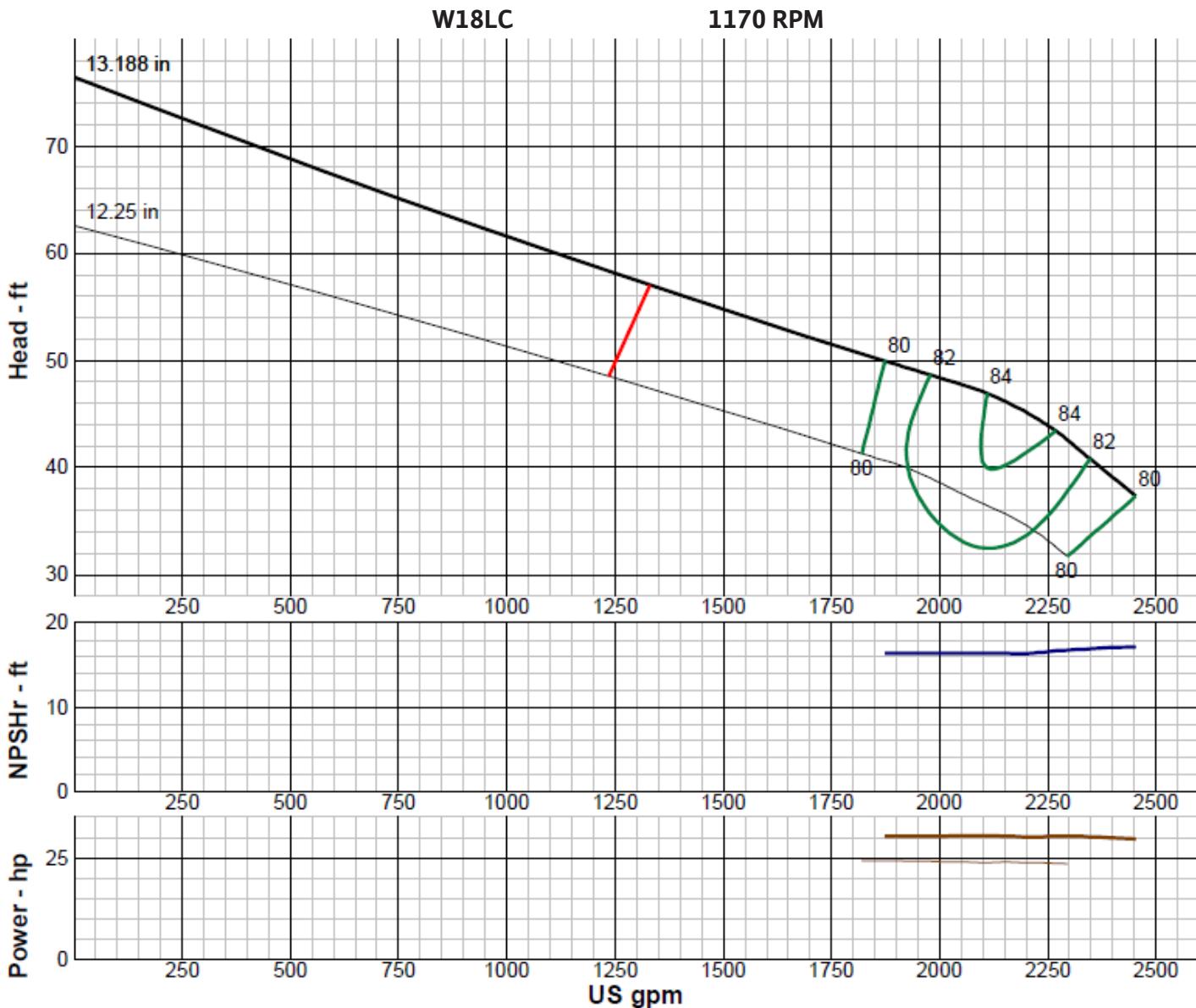
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

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

wilo®



IMPELLER DATA	
IMPELLER NUMBER	3914
TYPE	ENCLOSED
THRUST FACTOR	K=21.75
EYE AREA	46.0 SQ. IN.
WEIGHT	42.00 LB.

Minimum submergence above eye of bottom impeller: 48 IN.

FLANGED BOWL DATA	
BOWL NUMBER	3905
BOWL MAX. DIAMETER	17.750 IN.
BOWL MIN. DIAMETER	17.750 IN.
MAX. NO. STAGES	12
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 IN.
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)

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

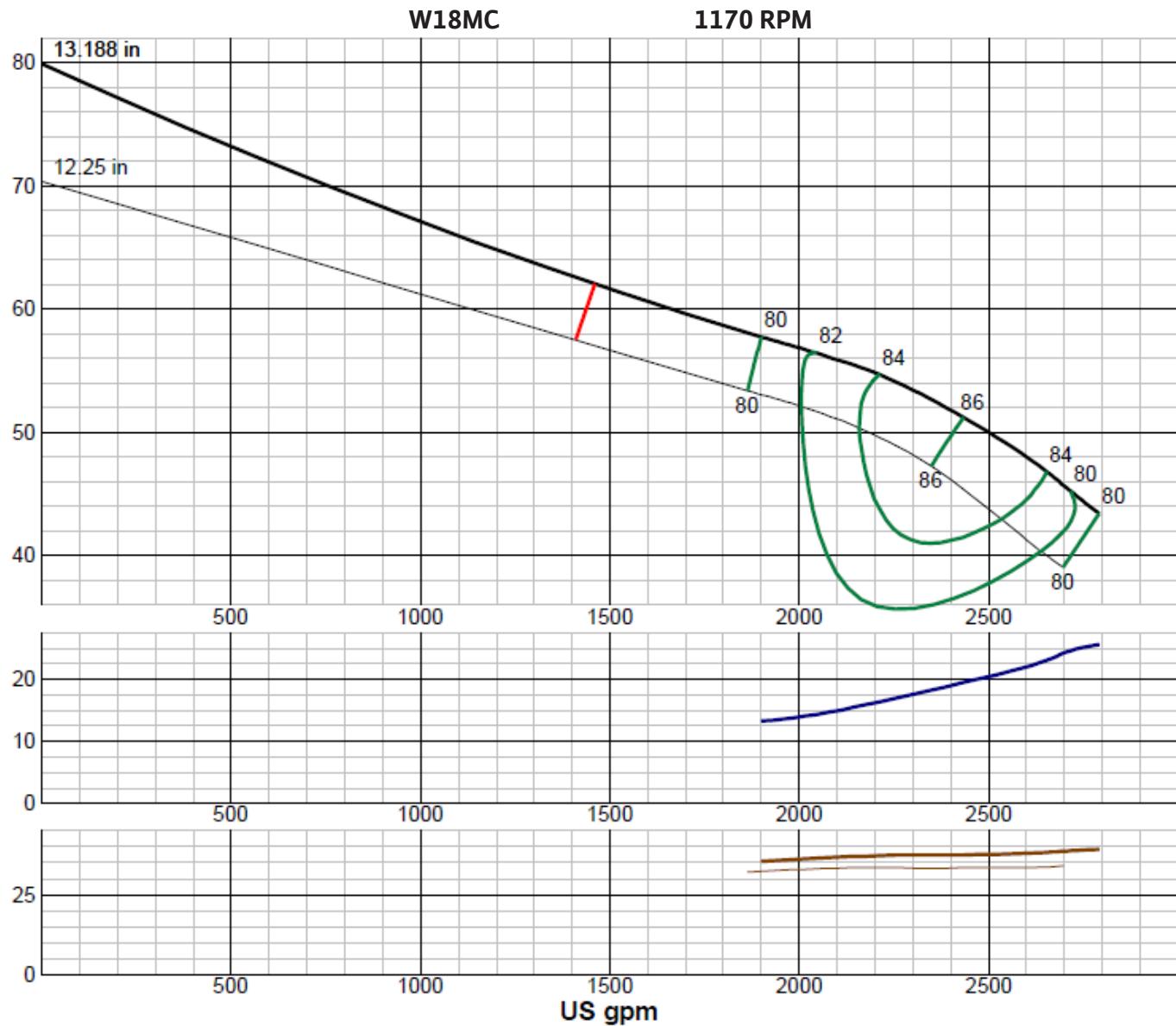
PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

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

wilo®



IMPELLER DATA	
IMPELLER NUMBER	3923
TYPE	ENCLOSED
THRUST FACTOR	K=21.75
EYE AREA	50.3 SQ. IN.
WEIGHT	42.00 LB.

Minimum submergence above eye of bottom impeller: 48 IN.

FLANGED BOWL DATA	
BOWL NUMBER	3905
BOWL MAX. DIAMETER	17.750 IN.
BOWL MIN. DIAMETER	17.750 IN.
MAX. NO. STAGES	10
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 IN.
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)

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

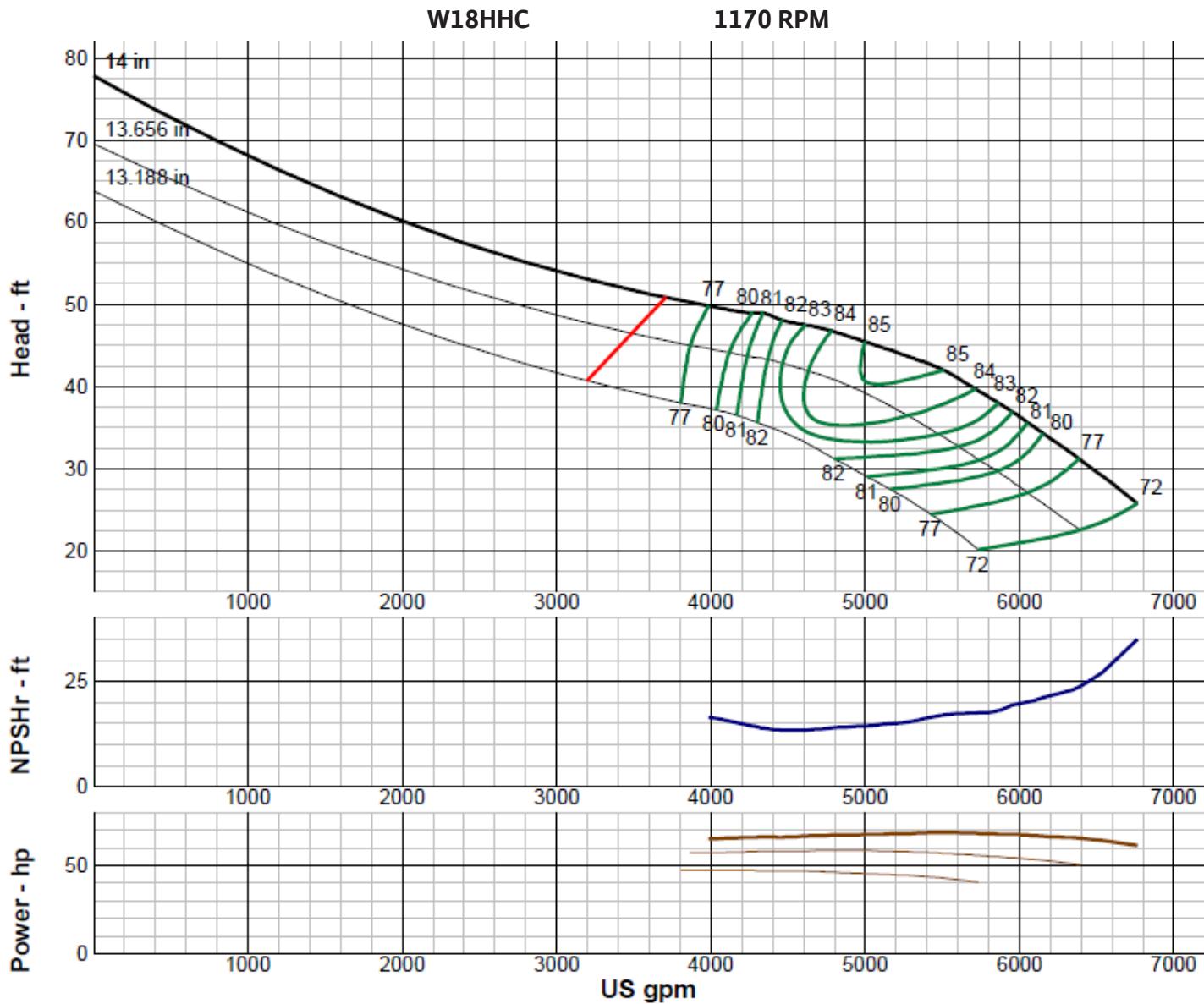
PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-1	-1
BOWL MATERIAL:	-2	-1	-2	-2

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	0777
TYPE	ENCLOSED
THRUST FACTOR	K=32.00
EYE AREA	102 SQ. IN.
WEIGHT	49.00 LB.

Minimum submergence above eye of bottom impeller: 48 IN.

FLANGED BOWL DATA	
BOWL NUMBER	0224
BOWL MAX. DIAMETER	18.625 IN.
BOWL MIN. DIAMETER	18.250 IN.
MAX. NO. STAGES	10
ONE STAGE WEIGHT	LB.
ADD STAGE WEIGHT	LB.
STD. SHAFT DIA.	2.188 IN.
STD. LATERAL	0.750 IN.
DISCHARGE SIZE	N/A IN.
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)

## 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

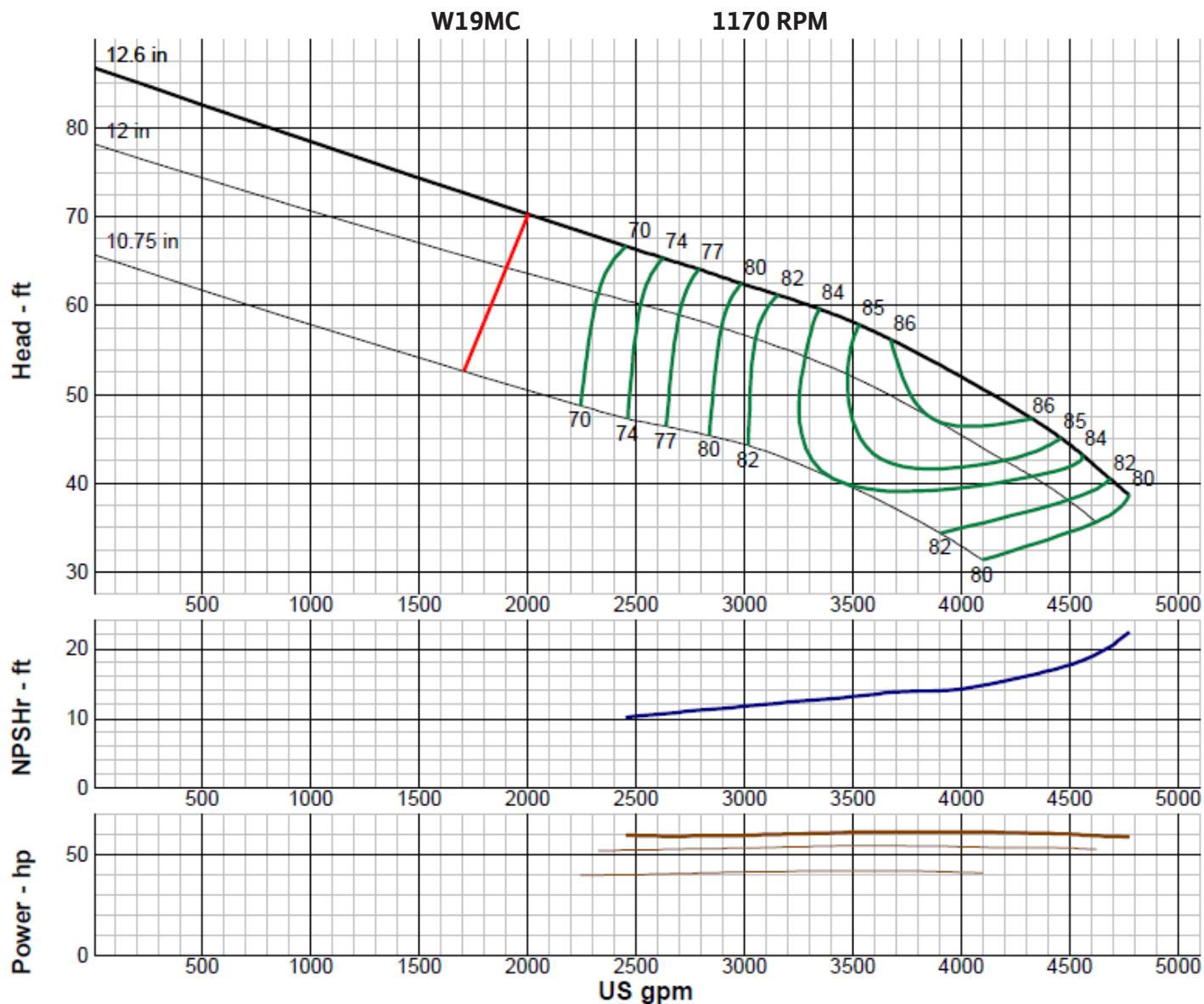
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-2	-2
BOWL MATERIAL:	-2	-1	-2	-2

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	0535
TYPE	ENCLOSED
THRUST FACTOR	K=32.00
EYE AREA	74.5 SQ. IN.
WEIGHT	54.00 LB.

Minimum submergence above eye of bottom impeller: 42 IN.

## FLANGED BOWL DATA

BOWL NUMBER	0358
BOWL MAX. DIAMETER	18.625 IN.
BOWL MIN. DIAMETER	18.625 IN.
MAX. NO. STAGES	10
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 IN.
DISCHARGE CONNECTION	FLG.
SUCTION BELL DIA.	21 IN.
SUCTION CONNECTION	BELL
MAX. SPHERE SIZE	1.000 IN
MAX. OPERATIONAL P.S.I.	350 (SPECIAL)

## 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

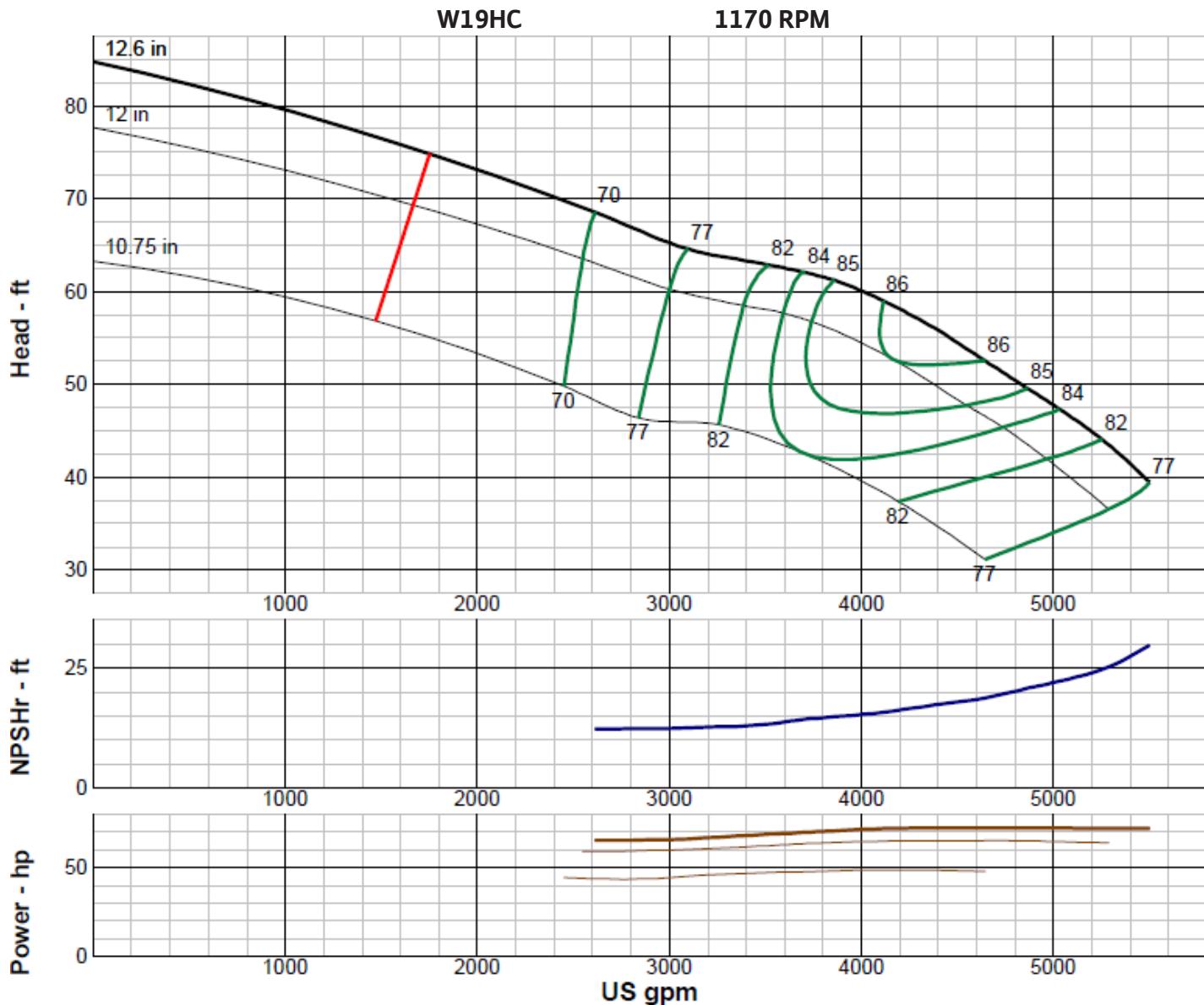
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-2	-2
BOWL MATERIAL:	-2	-1	-2	-2

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

wilo®



IMPELLER DATA	
IMPELLER NUMBER	0357
TYPE	ENCLOSED
THRUST FACTOR	K=32.00
EYE AREA	74.5 SQ. IN.
WEIGHT	54.00 LB.

Minimum submergence above eye of bottom impeller: 42 IN.

FLANGED BOWL DATA	
BOWL NUMBER	0358
BOWL MAX. DIAMETER	18.625 IN.
BOWL MIN. DIAMETER	18.625 IN.
MAX. NO. STAGES	10
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 IN.
DISCHARGE CONNECTION	FLG.
SUCTION BELL DIA.	21 IN.
SUCTION CONNECTION	BELL
MAX. SPHERE SIZE	1.000 IN
MAX. OPERATIONAL P.S.I.	350 (SPECIAL)

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

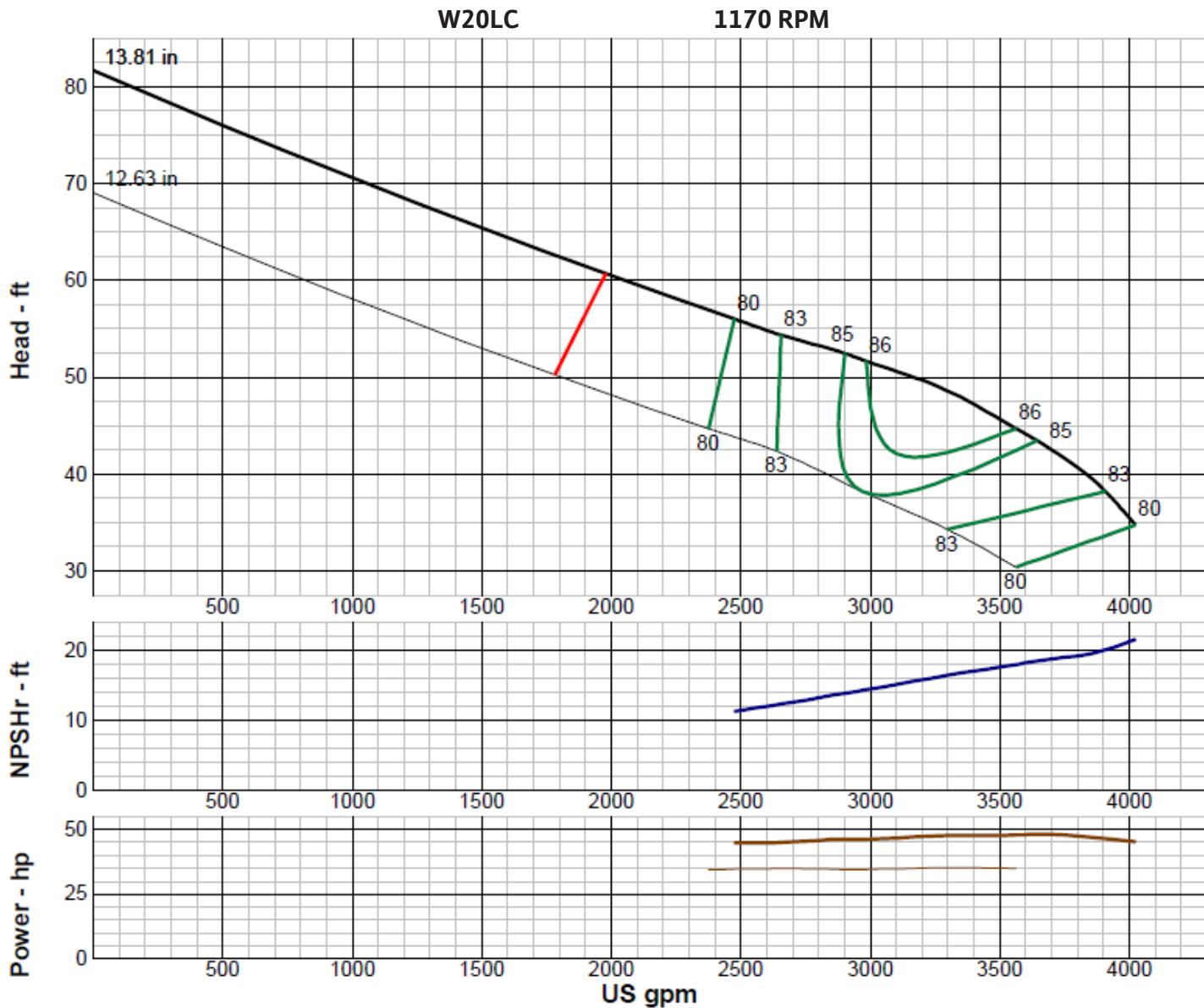
PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-2	0	-2	-2
BOWL MATERIAL:	-2	-1	-2	-2

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	4838
TYPE	ENCLOSED
THRUST FACTOR	K=29.40
EYE AREA	72.6 SQ. IN.
WEIGHT	69.00 LB.

FLANGED BOWL DATA	
BOWL NUMBER	3969
BOWL MAX. DIAMETER	19.875 IN.
BOWL MIN. DIAMETER	19.250 IN.
MAX. NO. STAGES	13
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 IN.
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 clean, fresh water at a temperature not over 85°F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance may fluctuate due to variations in water temperature, pressure and flow.

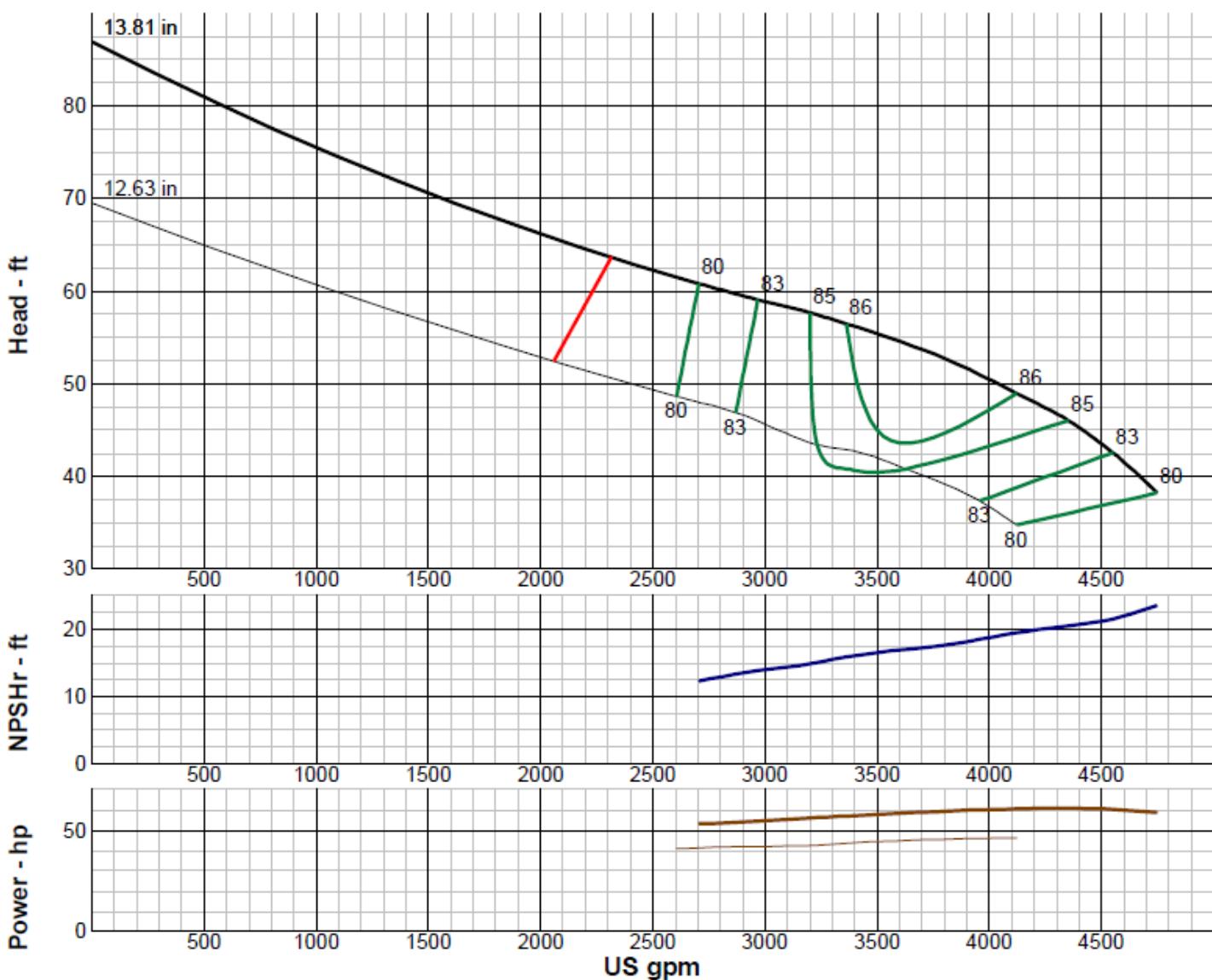
## Wilo-Vertical Turbine Pump Curve

## Single Stage Performance

wilo®

**W20MC**

**1170 RPM**



IMPELLER DATA	
IMPELLER NUMBER	4847
TYPE	ENCLOSED
THRUST FACTOR	K=29.40
EYE AREA	72.6 SQ. IN.
WEIGHT	69.00 LB.

FLANGED BOWL DATA	
BOWL NUMBER	3969
BOWL MAX. DIAMETER	19.875 IN.
BOWL MIN. DIAMETER	19.250 IN.
MAX. NO. STAGES	13
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 IN.
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)

## 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

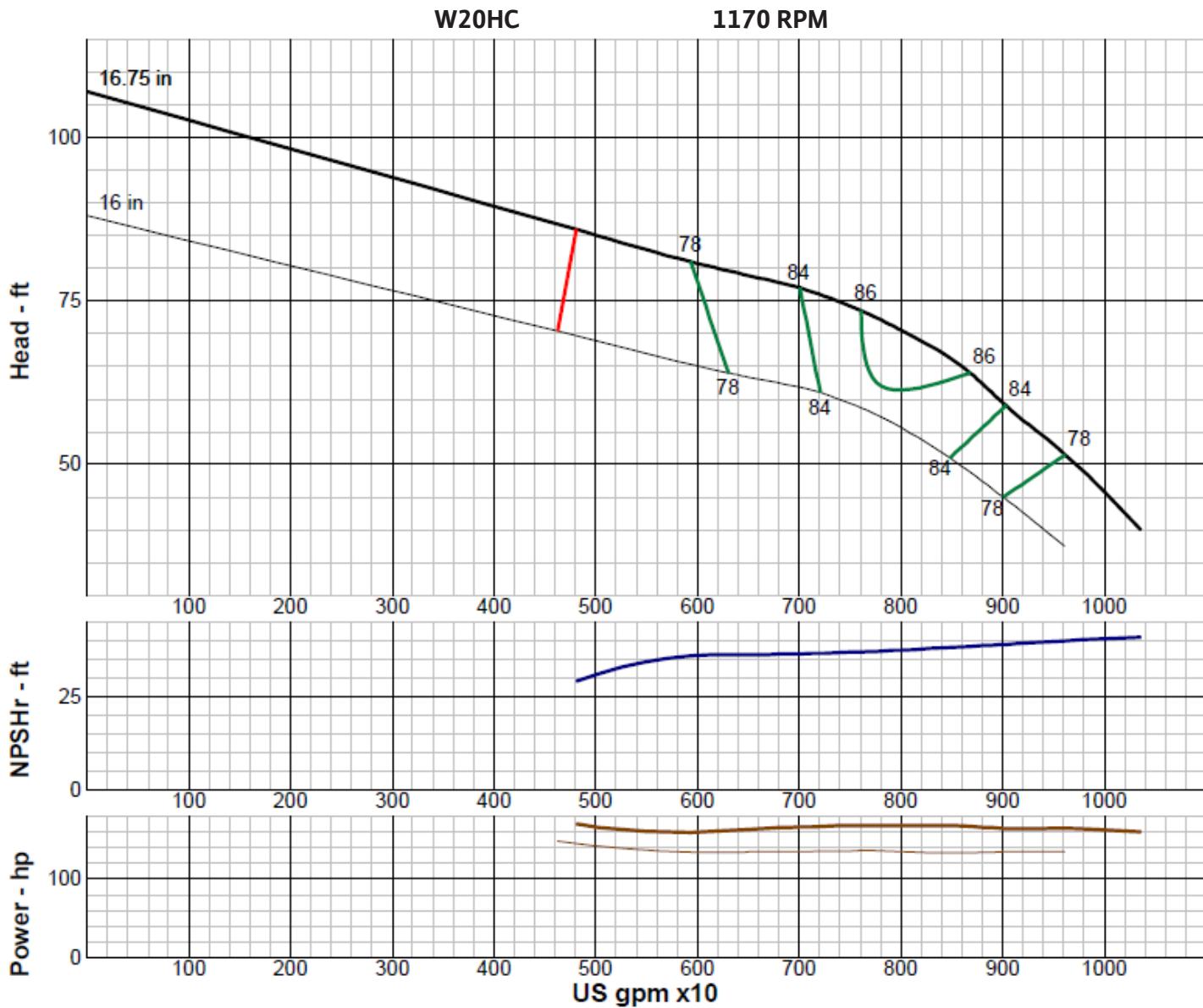
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-1
BOWL MATERIAL:	-1	-2	-2	-2

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

wilo®



IMPELLER DATA	
IMPELLER NUMBER	3987
TYPE	ENCLOSED
THRUST FACTOR	K=58.0
EYE AREA	113 SQ. IN.
WEIGHT	94.00 LB.

Minimum submergence above eye of bottom impeller: 32 IN.

FLANGED BOWL DATA	
BOWL NUMBER	3996
BOWL MAX. DIAMETER	20.00 IN.
BOWL MIN. DIAMETER	19.750 IN.
MAX. NO. STAGES	4
ONE STAGE WEIGHT	845 LB.
ADD STAGE WEIGHT	560 LB.
STD. SHAFT DIA.	2.438 IN.
STD. LATERAL	0.625 IN.
DISCHARGE SIZE	N/A IN.
DISCHARGE CONNECTION	FLG.
SUCTION BELL DIA.	23.313 IN.
SUCTION CONNECTION	BELL
MAX. SPHERE SIZE	2.000 IN
MAX. OPERATIONAL P.S.I.	350 (SPECIAL)

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

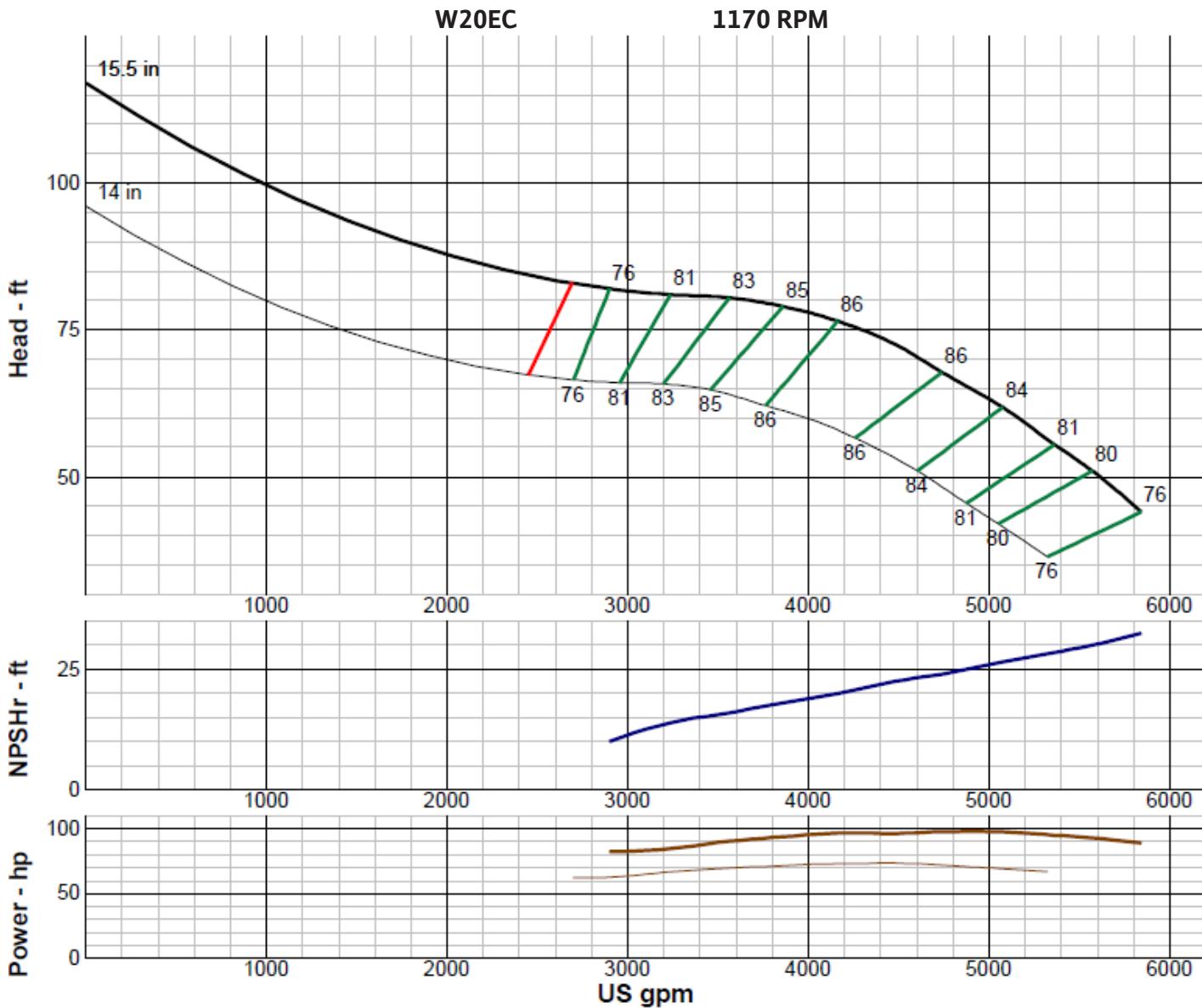
PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-1
BOWL MATERIAL:	-1	-2	-2	-2

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	4856
TYPE	ENCLOSED
THRUST FACTOR	K=26.80
EYE AREA	78.5 SQ. IN.
WEIGHT	LB.

Minimum submergence above eye of bottom impeller: 32 IN.

## FLANGED BOWL DATA

BOWL NUMBER	5310
BOWL MAX. DIAMETER	20.875 IN.
BOWL MIN. DIAMETER	20.625 IN.
MAX. NO. STAGES	6
ONE STAGE WEIGHT	LB.
ADD STAGE WEIGHT	LB.
STD. SHAFT DIA.	2.438 IN.
STD. LATERAL	0.688 IN.
DISCHARGE SIZE	N/A IN.
DISCHARGE CONNECTION	FLG.
SUCTION BELL DIA.	20.625 IN.
SUCTION CONNECTION	BELL
MAX. SPHERE SIZE	1.000 IN
MAX. OPERATIONAL P.S.I.	300 (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

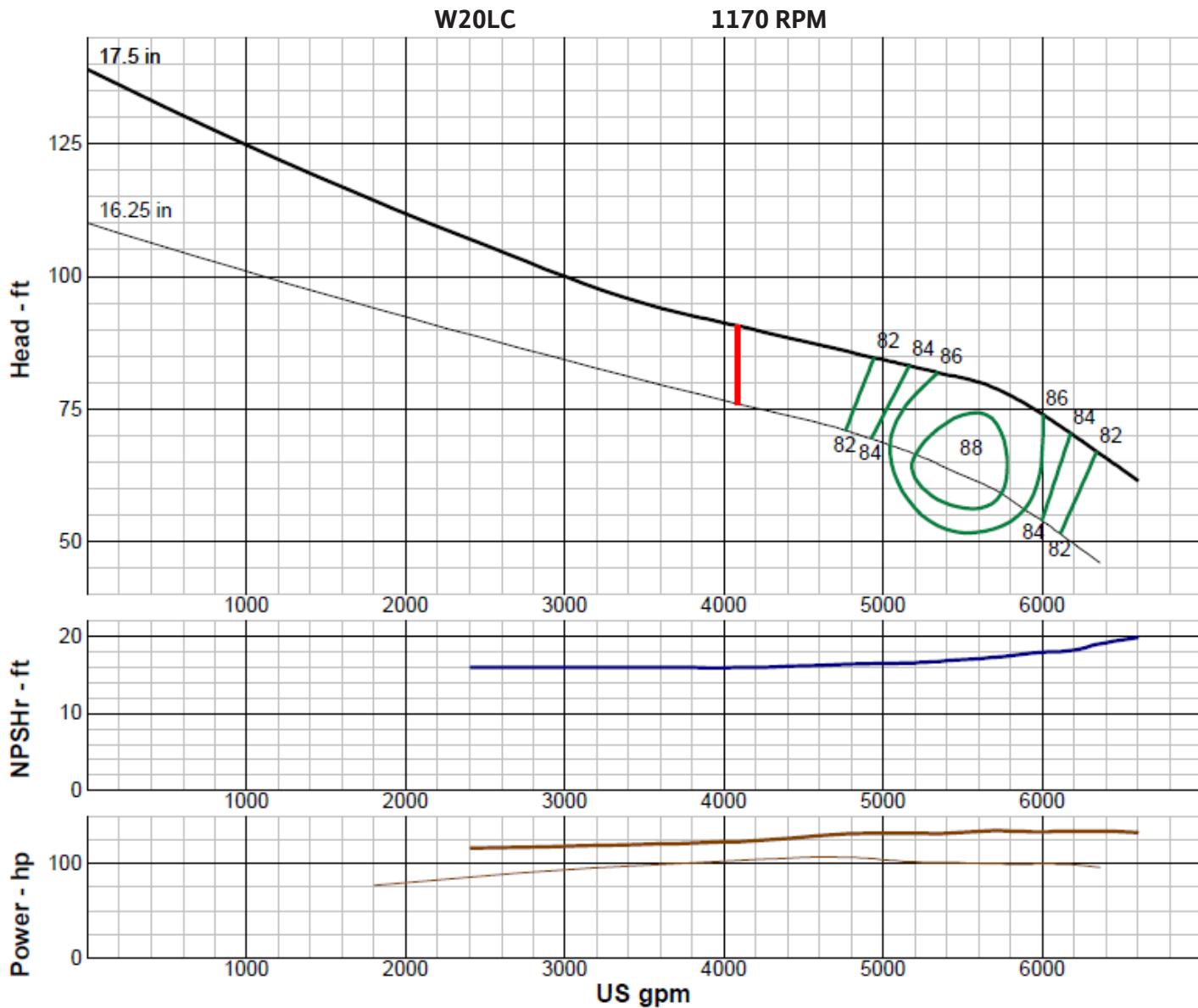
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-1
BOWL MATERIAL:	-1	-2	-2	-2

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

wilo®



IMPELLER DATA	
IMPELLER NUMBER	4865
TYPE	ENCLOSED
THRUST FACTOR	K=41.20
EYE AREA	93.0 SQ. IN.
WEIGHT	82.00 LB.

FLANGED BOWL DATA	
BOWL NUMBER	5329
BOWL MAX. DIAMETER	24.000 IN.
BOWL MIN. DIAMETER	23.750 IN.
MAX. NO. STAGES	6
ONE STAGE WEIGHT	1150 LB.
ADD STAGE WEIGHT	850 LB.
STD. SHAFT DIA.	2.688 IN.
STD. LATERAL	0.938 IN.
DISCHARGE SIZE	N/A IN.
DISCHARGE CONNECTION	FLG.
SUCTION BELL DIA.	24.750 IN.
SUCTION CONNECTION	BELL
MAX. SPHERE SIZE	2.000 IN
MAX. OPERATIONAL P.S.I.	250 (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:	-1	0	-1	-1
BOWL MATERIAL:	-1	-2	-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.

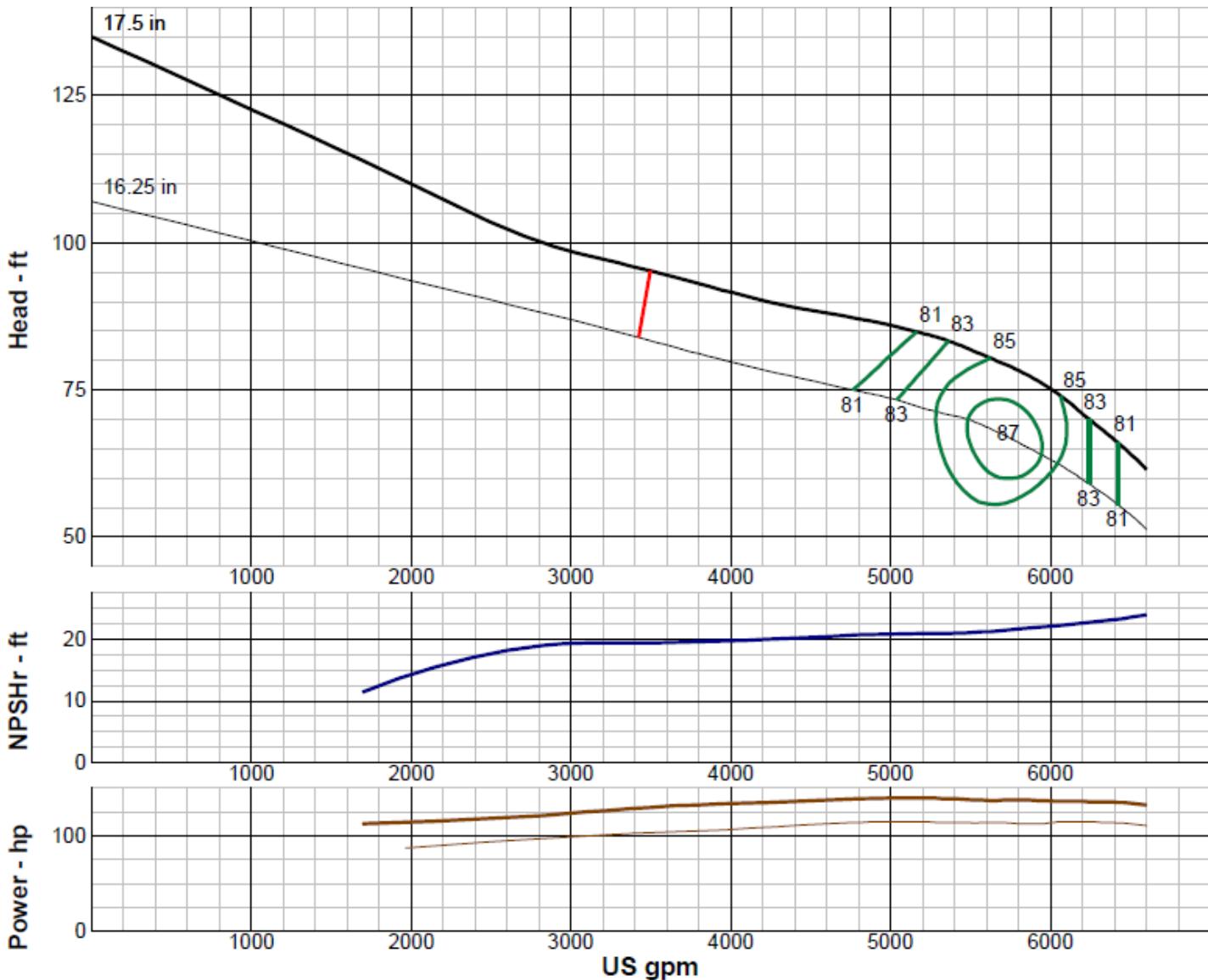
## Wilo-Vertical Turbine Pump Curve

## Single Stage Performance

wilo®

**W24MC**

**1170 RPM**



IMPELLER DATA	
IMPELLER NUMBER	4874
TYPE	ENCLOSED
THRUST FACTOR	K=41.20
EYE AREA	93.0 SQ. IN.
WEIGHT	82.00 LB.

FLANGED BOWL DATA	
BOWL NUMBER	5329
BOWL MAX. DIAMETER	24.000 IN.
BOWL MIN. DIAMETER	23.750 IN.
MAX. NO. STAGES	6
ONE STAGE WEIGHT	1150 LB.
ADD STAGE WEIGHT	850 LB.
STD. SHAFT DIA.	2.688 IN.
STD. LATERAL	0.938 IN.
DISCHARGE SIZE	N/A IN.
DISCHARGE CONNECTION	FLG.
SUCTION BELL DIA.	24.750 IN.
SUCTION CONNECTION	BELL
MAX. SPHERE SIZE	2.000 IN
MAX. OPERATIONAL P.S.I.	250 (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:	-1	0	-1	-1
BOWL MATERIAL:	-1	-2	-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.

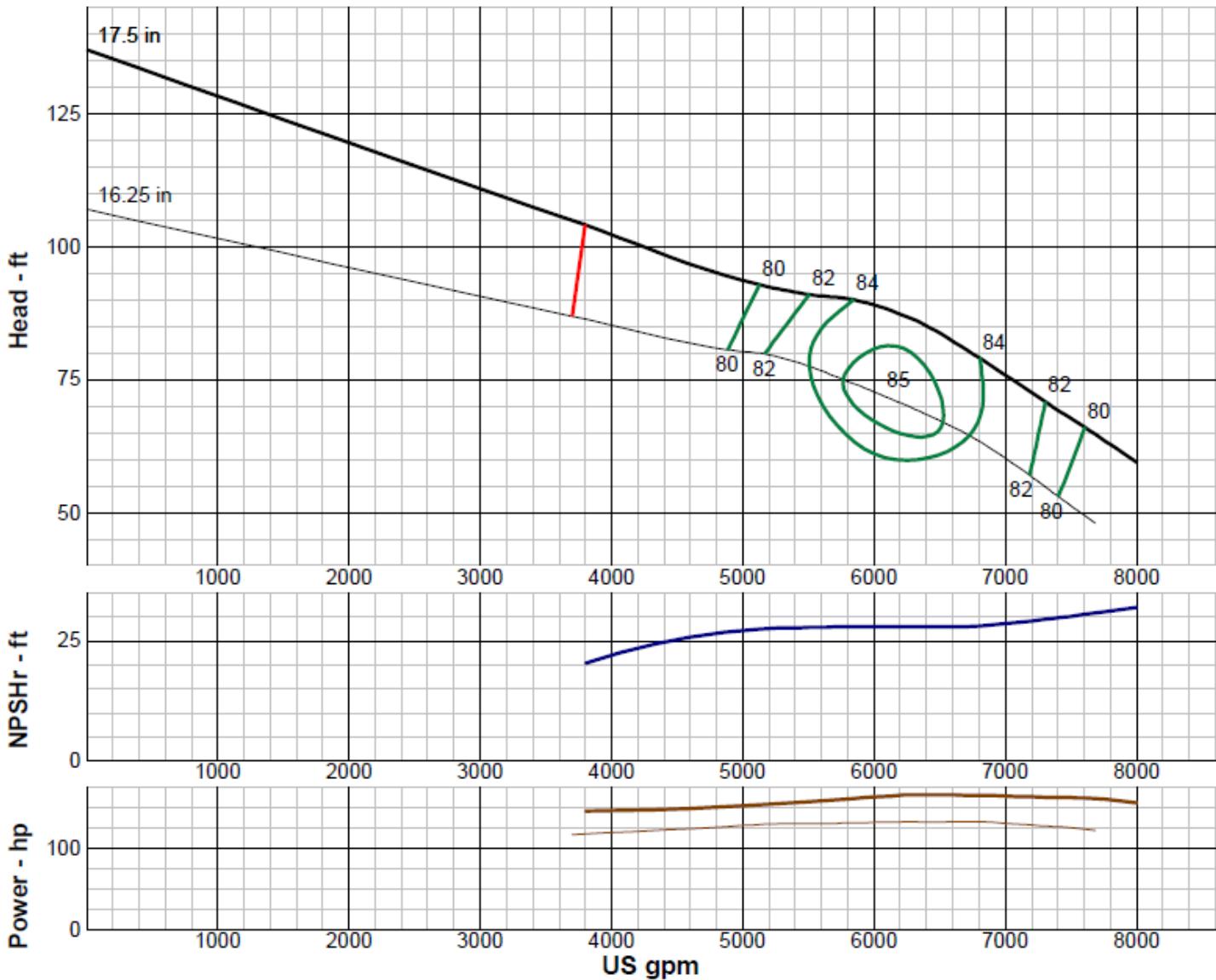
## Wilo-Vertical Turbine Pump Curve

## Single Stage Performance

wilo®

**W24HC**

**1170 RPM**



IMPELLER DATA	
IMPELLER NUMBER	4883
TYPE	ENCLOSED
THRUST FACTOR	K=41.20
EYE AREA	93.0 SQ. IN.
WEIGHT	82.00 LB.

FLANGED BOWL DATA	
BOWL NUMBER	5329
BOWL MAX. DIAMETER	24.000 IN.
BOWL MIN. DIAMETER	23.750 IN.
MAX. NO. STAGES	5
ONE STAGE WEIGHT	1150 LB.
ADD STAGE WEIGHT	850 LB.
STD. SHAFT DIA.	2.688 IN.
STD. LATERAL	0.938 IN.
DISCHARGE SIZE	N/A IN.
DISCHARGE CONNECTION	FLG.
SUCTION BELL DIA.	24.750 IN.
SUCTION CONNECTION	BELL
MAX. SPHERE SIZE	2.000 IN
MAX. OPERATIONAL P.S.I.	250 (SPECIAL)

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

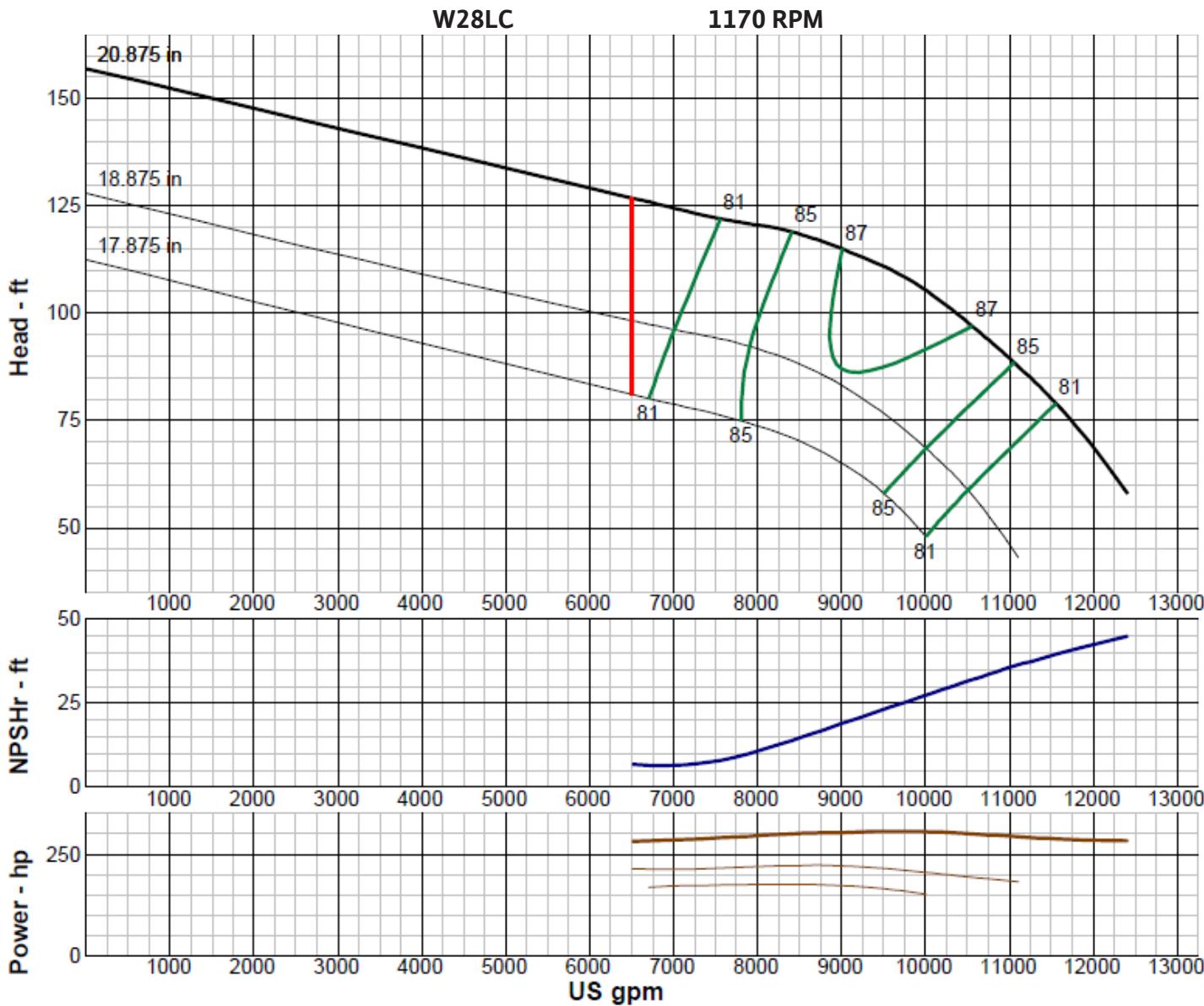
PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-1
BOWL MATERIAL:	-1	-2	-2	-2

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

wilo®



IMPELLER DATA	
IMPELLER NUMBER	4892
TYPE	ENCLOSED
THRUST FACTOR	K=61.00
EYE AREA	133 SQ. IN.
WEIGHT	255 LB.

Minimum submergence above eye of bottom impeller: 56 IN.

FLANGED BOWL DATA	
BOWL NUMBER	5338
BOWL MAX. DIAMETER	27.000 IN.
BOWL MIN. DIAMETER	27.000 IN.
MAX. NO. STAGES	3
ONE STAGE WEIGHT	2300 LB.
ADD STAGE WEIGHT	920 LB.
STD. SHAFT DIA.	2.688 IN.
STD. LATERAL	0.875 IN.
DISCHARGE SIZE	N/A IN.
DISCHARGE CONNECTION	FLG.
SUCTION BELL DIA.	30.750 IN.
SUCTION CONNECTION	BELL
MAX. SPHERE SIZE	1.750 IN
MAX. OPERATIONAL P.S.I.	250 (SPECIAL)

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

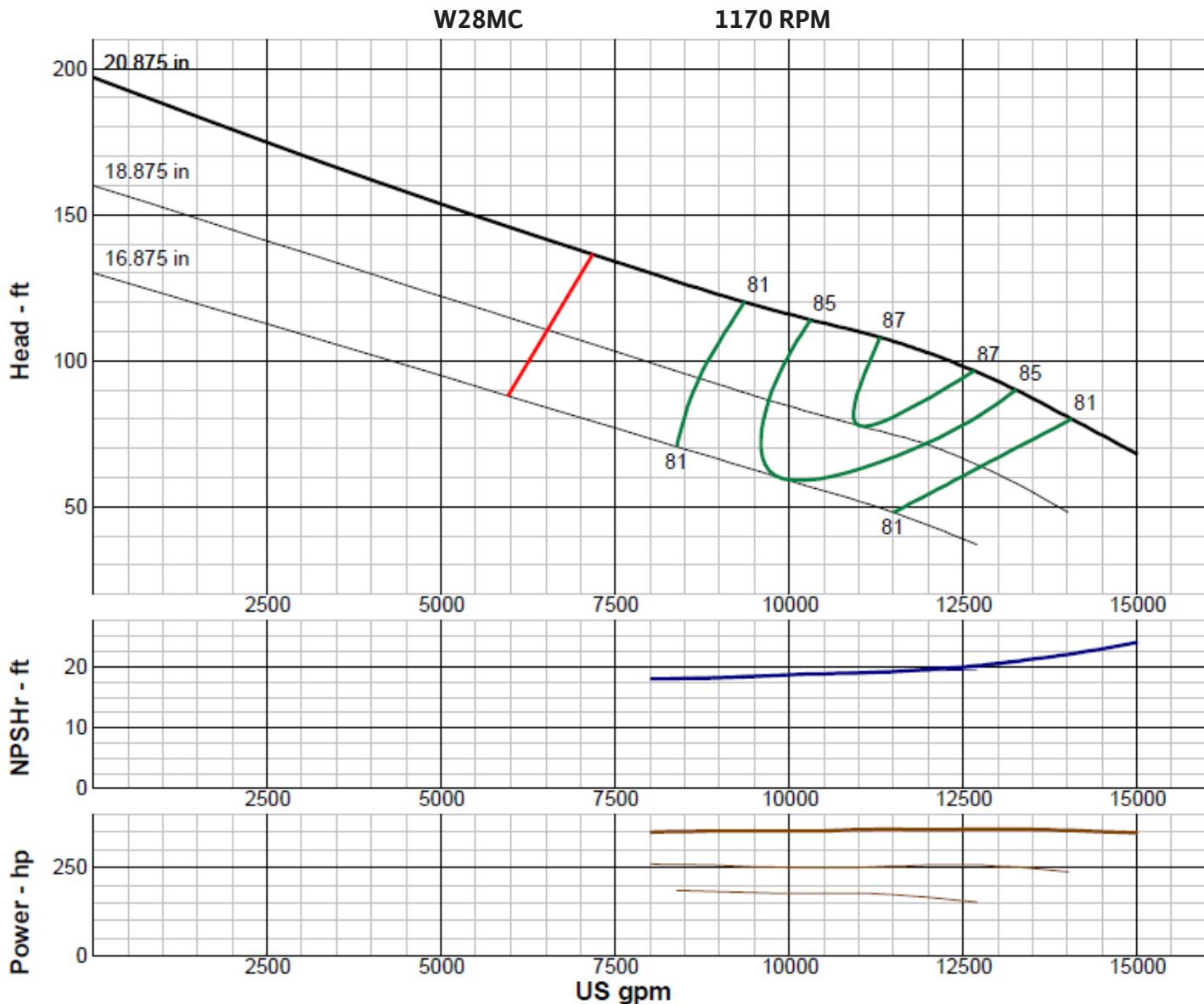
PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-1
BOWL MATERIAL:	-1	-1	-1	-2

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

wilo®



IMPELLER DATA	
IMPELLER NUMBER	4901
TYPE	ENCLOSED
THRUST FACTOR	K=61.00
EYE AREA	133 SQ. IN.
WEIGHT	255 LB.

Minimum submergence above eye of bottom impeller: 60 IN.

FLANGED BOWL DATA	
BOWL NUMBER	5338
BOWL MAX. DIAMETER	27.000 IN.
BOWL MIN. DIAMETER	27.000 IN.
MAX. NO. STAGES	2
ONE STAGE WEIGHT	2300 LB.
ADD STAGE WEIGHT	920 LB.
STD. SHAFT DIA.	2.688 IN.
STD. LATERAL	0.875 IN.
DISCHARGE SIZE	N/A IN.
DISCHARGE CONNECTION	FLG.
SUCTION BELL DIA.	30.750 IN.
SUCTION CONNECTION	BELL
MAX. SPHERE SIZE	1.750 IN
MAX. OPERATIONAL P.S.I.	250 (SPECIAL)

EFFICIENCY CORRECTION				
NUMBER OF BOWLS:	1	2	3	
CHANGE AS FOLLOWS:	-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	-1
BOWL MATERIAL:	-1	-1	-1	-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.

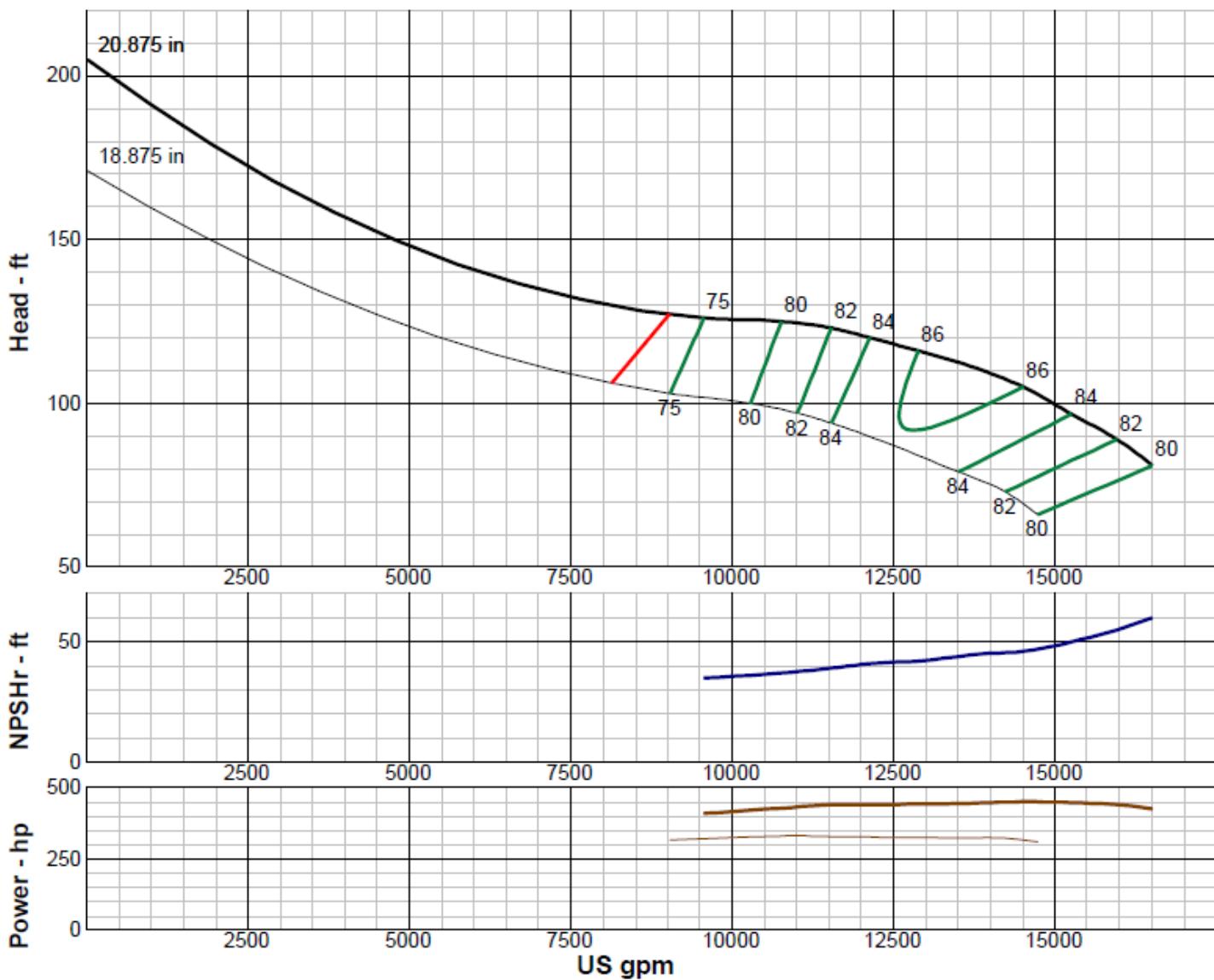
## Wilo-Vertical Turbine Pump Curve

## Single Stage Performance

wilo®

**W28HC**

**1170 RPM**



IMPELLER DATA	
IMPELLER NUMBER	0104
TYPE	ENCLOSED
THRUST FACTOR	K=61.00
EYE AREA	133 SQ. IN.
WEIGHT	255 LB.

FLANGED BOWL DATA	
BOWL NUMBER	5338
BOWL MAX. DIAMETER	27.000 IN.
BOWL MIN. DIAMETER	27.000 IN.
MAX. NO. STAGES	2
ONE STAGE WEIGHT	2300 LB.
ADD STAGE WEIGHT	920 LB.
STD. SHAFT DIA.	2.688 IN.
STD. LATERAL	0.875 IN.
DISCHARGE SIZE	N/A IN.
DISCHARGE CONNECTION	FLG.
SUCTION BELL DIA.	30.750 IN.
SUCTION CONNECTION	BELL
MAX. SPHERE SIZE	1.750 IN
MAX. OPERATIONAL P.S.I.	250 (SPECIAL)

## EFFICIENCY CORRECTION

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

CHANGE IN EFFICIENCY MAY AFFECT BOTH HEAD AND HORSEPOWER.

## PUMP MATERIAL EFFICIENCY CORRECTION

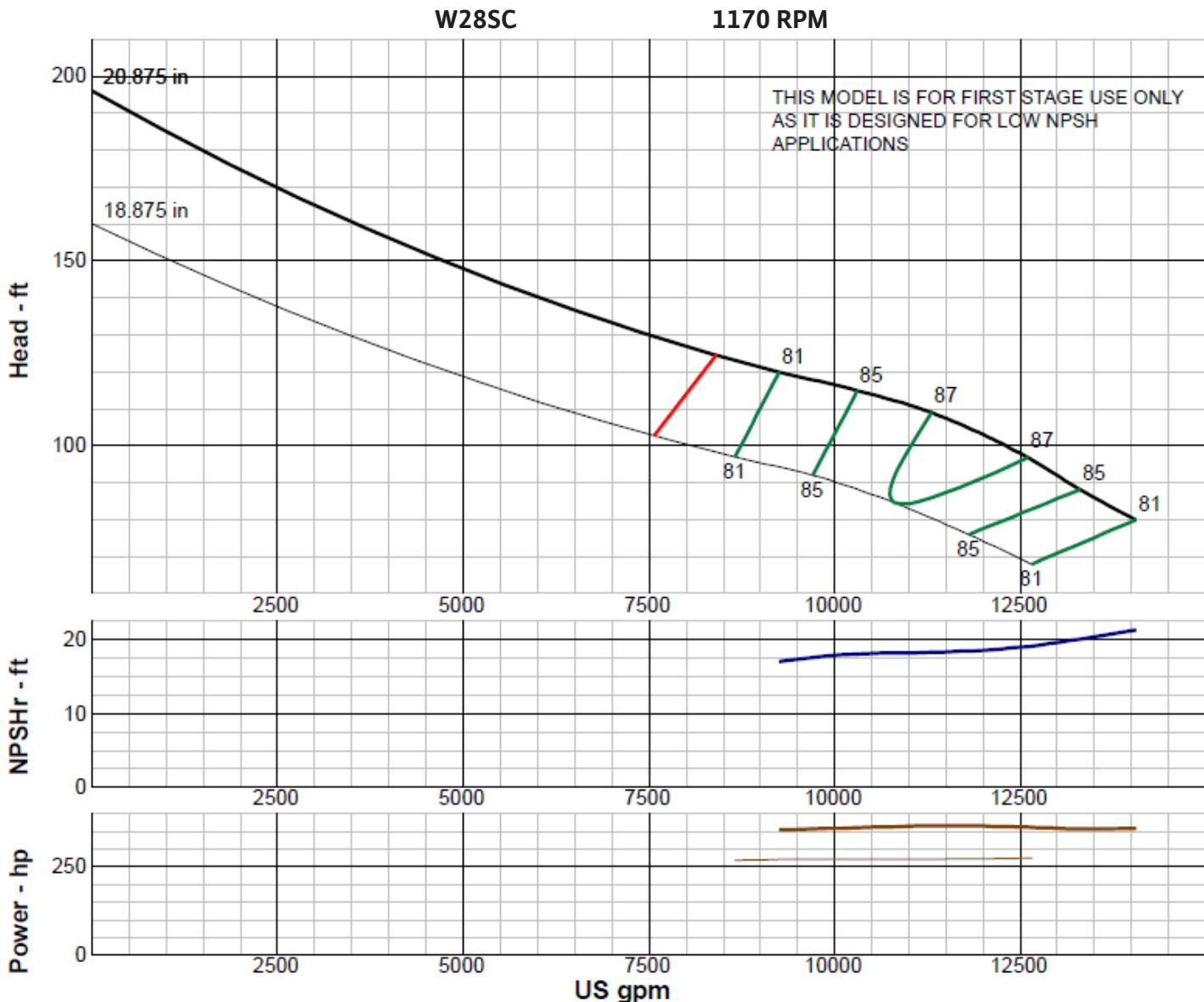
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-1
BOWL MATERIAL:	-1	-1	-1	-2

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

wilo®



IMPELLER DATA	
IMPELLER NUMBER	4901
TYPE	ENCLOSED
THRUST FACTOR	K=59.00
EYE AREA	133 SQ. IN.
WEIGHT	255 LB.

Minimum submergence above eye of bottom impeller: 60 IN.

FLANGED BOWL DATA	
BOWL NUMBER	5338
BOWL MAX. DIAMETER	27.000 IN.
BOWL MIN. DIAMETER	27.000 IN.
MAX. NO. STAGES	2
ONE STAGE WEIGHT	2300 LB.
ADD STAGE WEIGHT	920 LB.
STD. SHAFT DIA.	2.688 IN.
STD. LATERAL	0.875 IN.
DISCHARGE SIZE	N/A IN.
DISCHARGE CONNECTION	FLG.
SUCTION BELL DIA.	30.750 IN.
SUCTION CONNECTION	BELL
MAX. SPHERE SIZE	1.750 IN
MAX. OPERATIONAL P.S.I.	250 (SPECIAL)

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

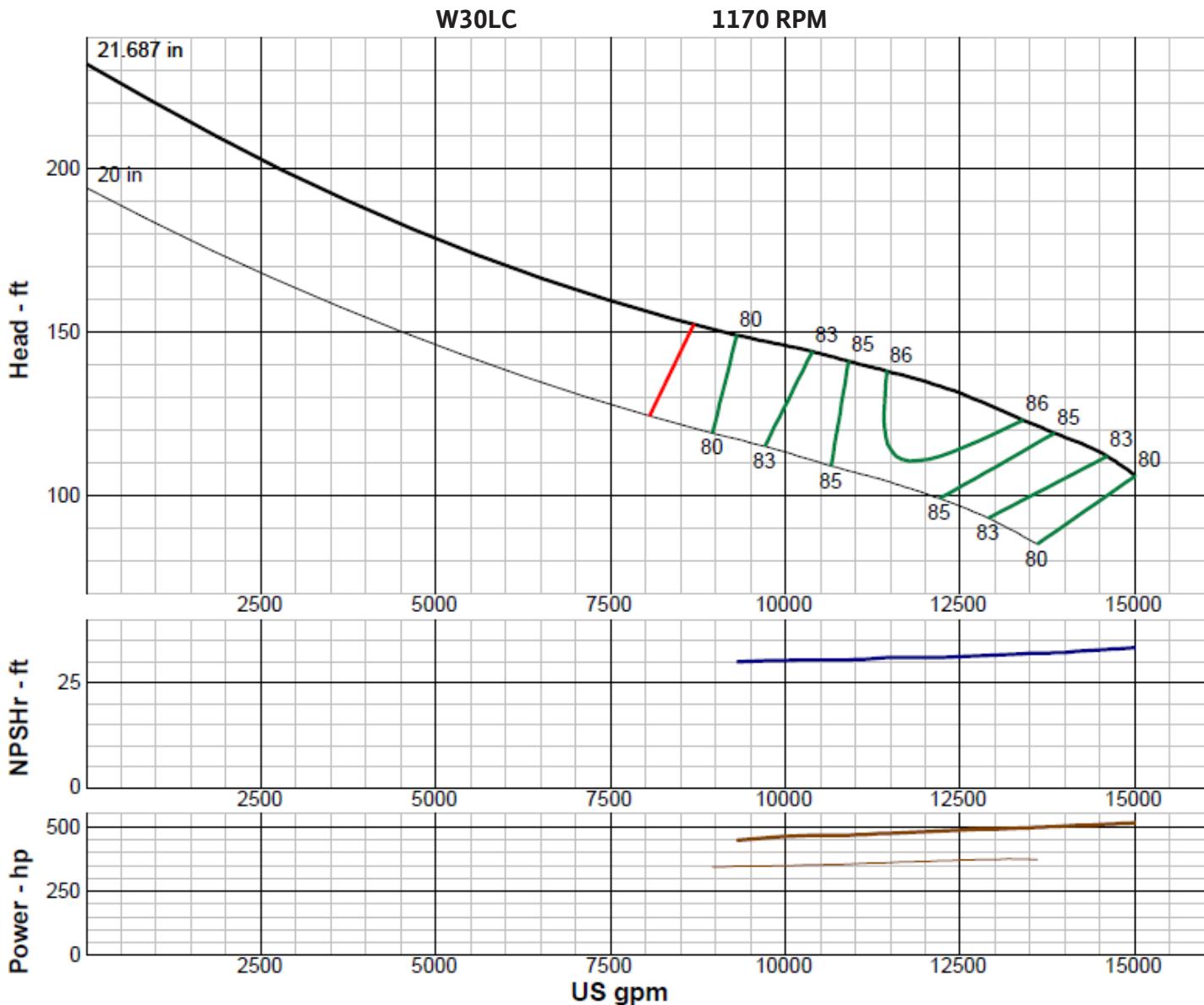
PUMP MATERIAL EFFICIENCY CORRECTION				
	DUCTILE	BRONZE	NI-R	STAINLESS
IMPELLER MATERIAL:	-1	0	-1	-1
BOWL MATERIAL:	-1	-1	-1	-2

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

wilo®



IMPELLER DATA	
IMPELLER NUMBER	0192
TYPE	ENCLOSED
THRUST FACTOR	K=67.50
EYE AREA	175 SQ. IN.
WEIGHT	440 LB.

EFFICIENCY CORRECTION				
NUMBER OF BOWLS:	1	2	3	
CHANGE AS FOLLOWS:	-2	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	-1
BOWL MATERIAL:	-1	-1	-1	-2

FLANGED BOWL DATA	
BOWL NUMBER	0235
BOWL MAX. DIAMETER	30.000 IN.
BOWL MIN. DIAMETER	30.000 IN.
MAX. NO. STAGES	5
ONE STAGE WEIGHT	4500 LB.
ADD STAGE WEIGHT	2000 LB.
STD. SHAFT DIA.	3.250 IN.
STD. LATERAL	1.375 IN.
DISCHARGE SIZE	N/A IN.
DISCHARGE CONNECTION	FLG.
SUCTION BELL DIA.	33.250 IN.
SUCTION CONNECTION	BELL
MAX. SPHERE SIZE	2.500 IN
MAX. OPERATIONAL P.S.I.	250 (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.

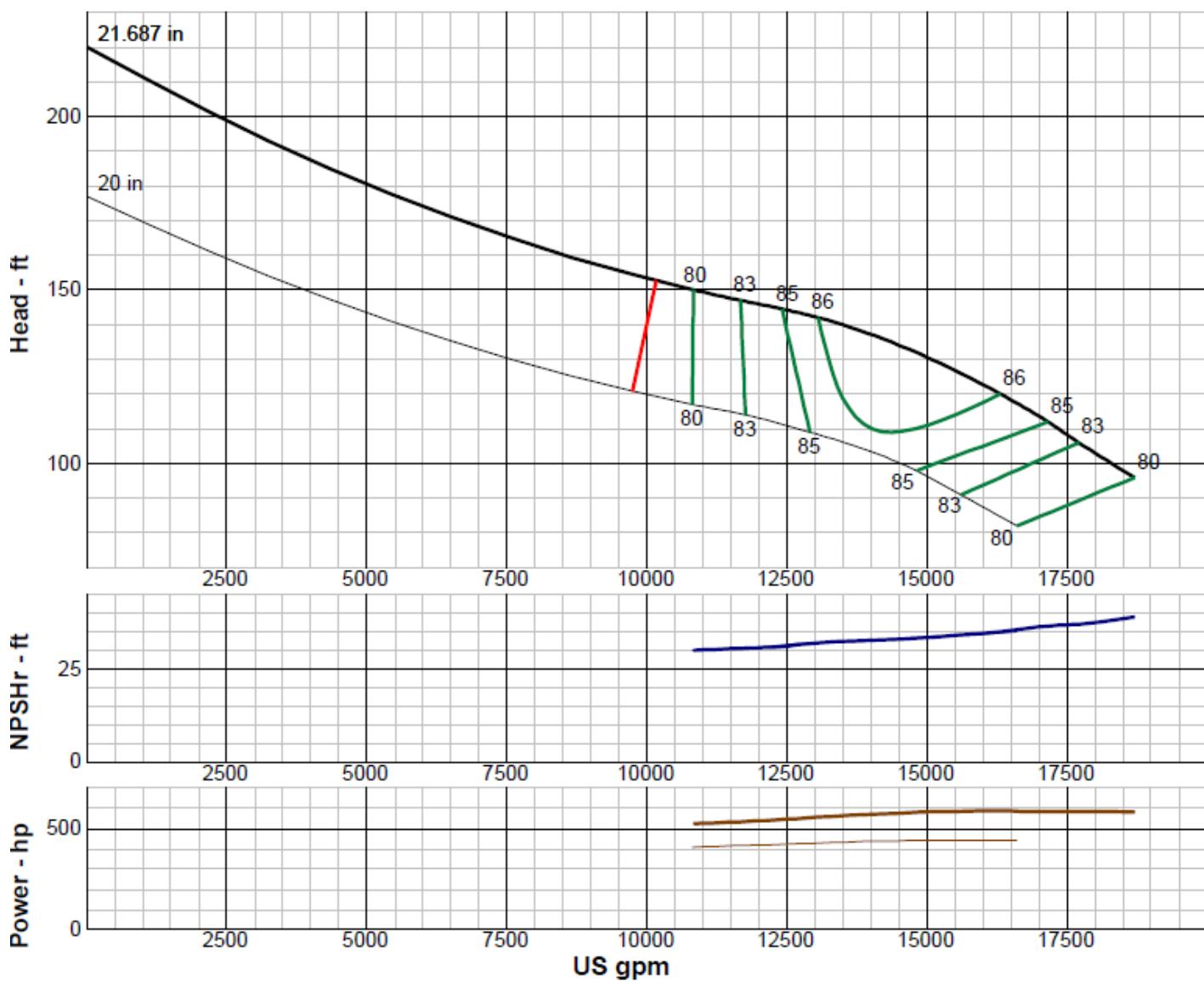
# Wilo-Vertical Turbine Pump Curve

Single Stage Performance

wilo®

W30MC

1170 RPM



## IMPELLER DATA

IMPELLER NUMBER	0193
TYPE	ENCLOSED
THRUST FACTOR	K=67.50
EYE AREA	175 SQ. IN.
WEIGHT	440 LB.

Minimum submergence above eye of bottom impeller: 50 IN.

## FLANGED BOWL DATA

BOWL NUMBER	0235
BOWL MAX. DIAMETER	30.000 IN.
BOWL MIN. DIAMETER	30.000 IN.
MAX. NO. STAGES	5
ONE STAGE WEIGHT	4500 LB.
ADD STAGE WEIGHT	2000 LB.
STD. SHAFT DIA.	3.250 IN.
STD. LATERAL	1.375 IN.
DISCHARGE SIZE	N/A IN.
DISCHARGE CONNECTION	FLG.
SUCTION BELL DIA.	33.250 IN.
SUCTION CONNECTION	BELL
MAX. SPHERE SIZE	2.500 IN
MAX. OPERATIONAL P.S.I.	250 (SPECIAL)

## 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	-1	-1	-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.