
Lineshaft Turbine Pump Curves

3600 RPM CURVES - 60 CYCLE PERFORMANCE

INDEX – 60 CYCLE PERFORMANCE – 3600 RPM

Page	Model	RPM	Date Issued
4	5CHC	3460	July 17, 2019
5	5CLC	3540	July 17, 2019
6	5RWAHC	3540	July 17, 2019
7	5RWALC	3540	July 17, 2019
8	5THC	3540	July 17, 2019
9	5TLC	3540	July 17, 2019
10	6CHC	3540	December 18, 2019
11	6CLC	3540	July 17, 2019
12	6DHHC	3540	July 17, 2019
13	6DHHC	3540	July 17, 2019
14	6DHLC	3540	July 17, 2019
15	6DHLO	3540	July 17, 2019
16	6RAHC	3540	July 17, 2019
17	6RALC	3540	July 17, 2019
18	7CHC	3540	December 18, 2019
19	7CHO	3540	July 17, 2019
20	7CLC	3540	January 11, 2022
21	7CLO	3540	July 17, 2019
22	7RAHC	3540	July 17, 2019
23	7RALC	3540	July 17, 2019
24	7THC	3540	July 17, 2019
25	7TLC	3540	July 17, 2019
26	7WAHC	3540	January 11, 2022
27	7WALC	3540	July 17, 2019
28	8FDHC	3540	July 17, 2019
29	8FDHO	3540	July 17, 2019
30	8FDLC	3540	July 17, 2019
31	8FDLO	3540	July 17, 2019
32	8RAHC	3540	July 17, 2019
33	8RALC	3540	July 17, 2019
34	8RJHC	3540	July 17, 2019
35	8RJHO	3540	July 17, 2019
36	8RJLC	3540	July 17, 2019
37	8RJLO	3540	July 17, 2019
38	9RCHC	3540	December 18, 2019
39	9RCHO	3540	July 17, 2019
40	9RCLC	3540	December 18, 2019
41	9RCLO	3540	July 17, 2019
42	9THC	3540	May 4, 2020
43	9TLC	3540	January 11, 2022

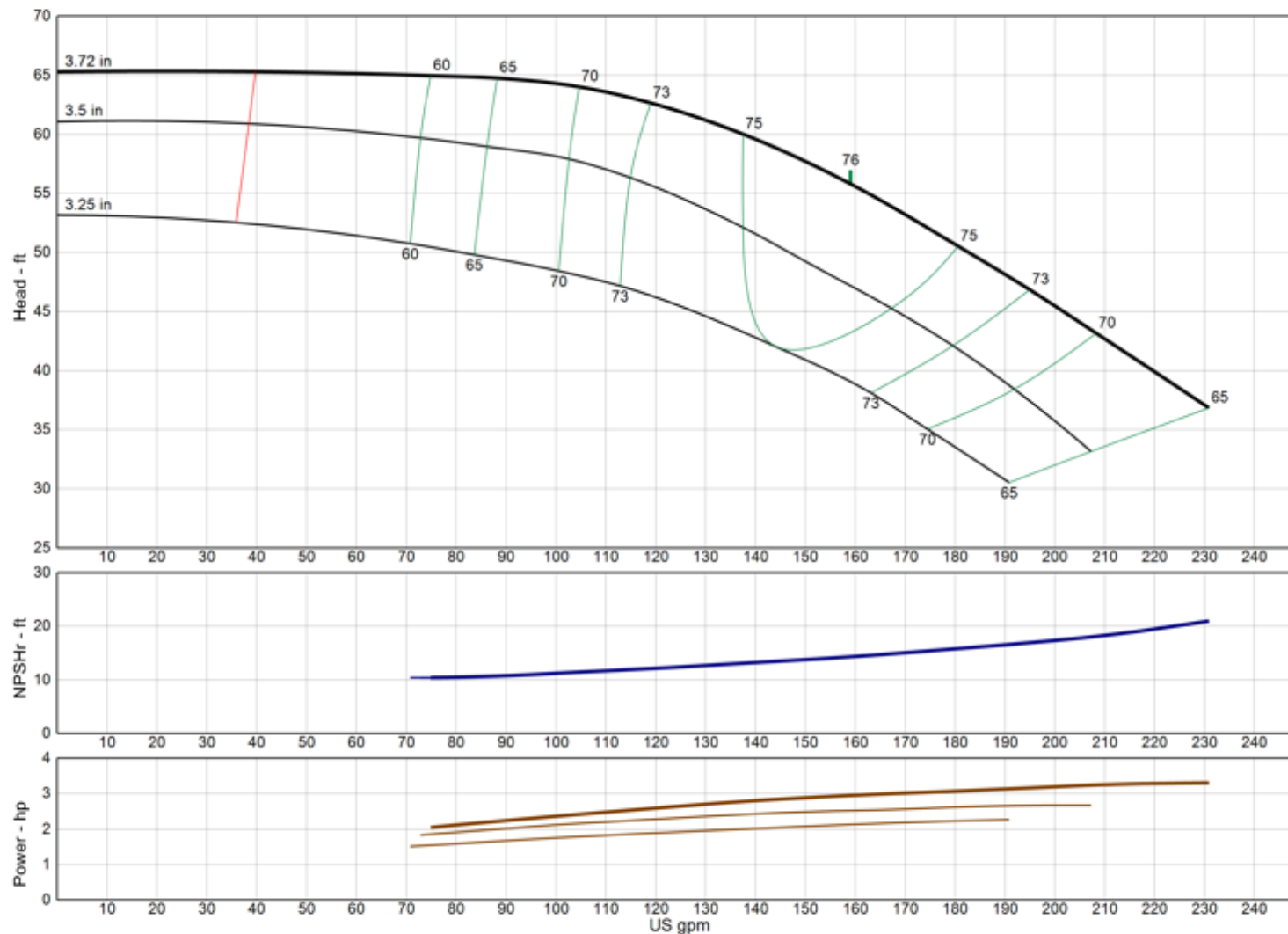
INDEX – 60 CYCLE PERFORMANCE – 3600 RPM

Page	Model	RPM	Date Issued
44	9WAHC	3540	July 17, 2019
45	9WALC	3540	July 17, 2019
46	10LHC	3540	July 17, 2019
47	10RAHC	3540	July 17, 2019
48	10RAHXC	3540	July 17, 2019
49	10RALC	3540	July 17, 2019
50	10RJHC	3540	January 11, 2022
51	10RJLC	3540	December 18, 2019
52	10RJLO	3540	July 17, 2019
53	10RJMC	3540	July 17, 2019
54	10RJMO	3540	July 17, 2019
55	10WAHC	3540	July 17, 2019
56	10WALC	3540	July 17, 2019
57	11CLC	3540	December 18, 2019
58	11CLO	3540	July 17, 2019
59	11RAHC	3540	July 17, 2019
60	11RAHXC	3540	July 17, 2019
61	11RALC	3540	December 18, 2019
62	11WAHC	3540	December 18, 2019
63	11WALC	3540	July 17, 2019
64	12WAHC	3540	July 17, 2019
65	12WALC	3540	July 17, 2019
66	13RAHC	3540	July 17, 2019
67	13RAHXC	3540	July 17, 2019
68	13RALC	3540	July 17, 2019

MODEL 5CHC

(Effective July 17, 2019)

Vertical Turbine Pump



Model	5CHC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-4.0
2-STAGE	-3.0
3-STAGE	-1.5
4-STAGE	0.0
Impeller Type	Enclosed
Ns	2185
Thrust K-Factor	1.30 lb/ft
Bowl OD	5.20 in
Bowl Lateral	0.25 in
Max PSI	480 psi
Thd Disch Size	3", 4"

TURBINE OPERATIONS

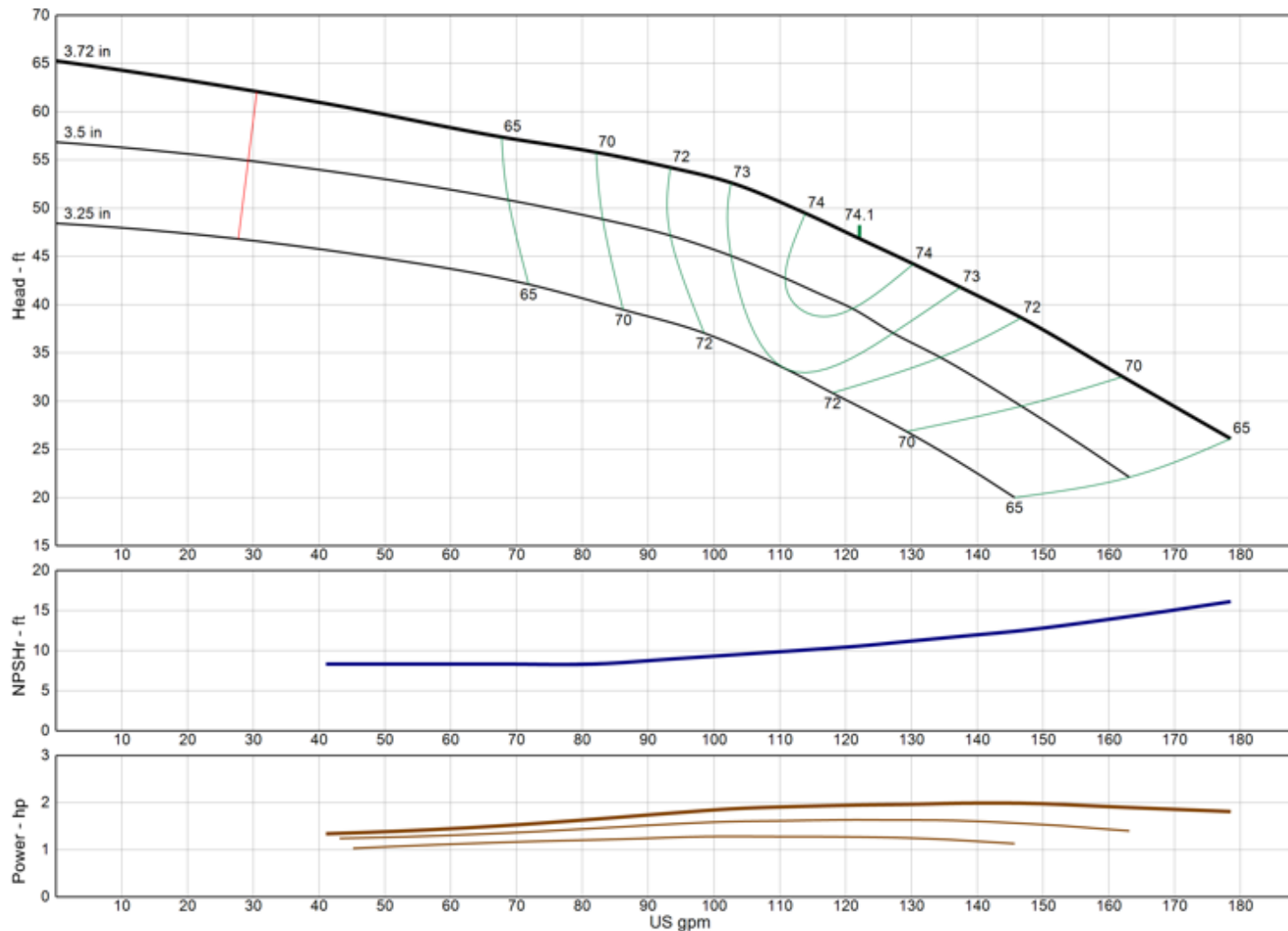
Lubbock, Texas

NOMINAL BOWL PERFORMANCE CURVE AND DATA BASED ON PUMPING CLEAR, NON-AERATED WATER AND USING STANDARD MATERIALS OF CONSTRUCTION. RATED POINT ONLY CAN BE GUARANTEED BY THE FACTORY. CURVES REPRESENT SINGLE STAGE AVERAGE PERFORMANCE BASED ON TEST OF MULTI-STAGE BOWL ASSEMBLY. EFFICIENCY CORRECTION APPLIES DIRECTLY TO EFFICIENCY (-) AND HEAD (x) FOR LESSER STAGES. ACTUAL DRIVER OPERATING SPEED SHOULD BE VERIFIED.

MODEL 5CLC

(Effective July 17, 2019)

Vertical Turbine Pump



Model	5CLC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-4.0
2-STAGE	-3.0
3-STAGE	-1.5
4-STAGE	0.0
Impeller Type	Enclosed
Ns	2185
Thrust K-Factor	1.40 lb/ft
Bowl OD	5.20 in
Bowl Lateral	0.25 in
Max PSI	480 psi
Thd Disch Size	3", 4"

TURBINE OPERATIONS

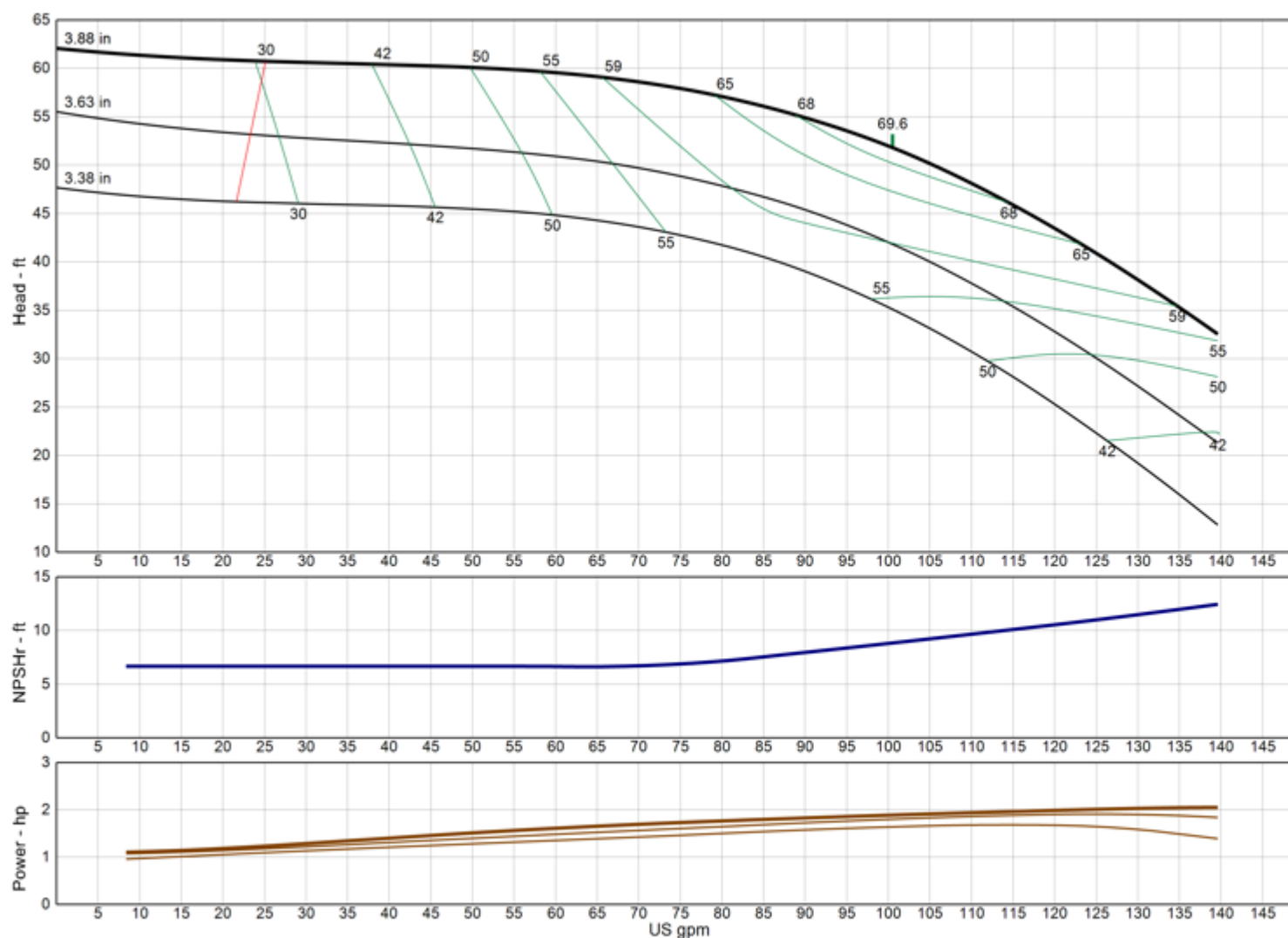
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MODEL 5RWAHC

(Effective July 17, 2019)

Vertical Turbine Pump



Model 5RWAHC

RPM 3540

Freq | Poles 60 Hz | 2-pole

Pump Type Lineshaft

EFFICIENCY CORRECTION

1-STAGE -3.0

2-STAGE -2.0

3-STAGE -1.0

4-STAGE 0.0

Impeller Type Enclosed

Ns 1840

Thrust K-Factor 1.30 lb/ft

Bowl OD 5.20 in

Bowl Lateral 0.50 in

Max PSI 480 psi

Thd Disch Size 3", 4"

TURBINE OPERATIONS

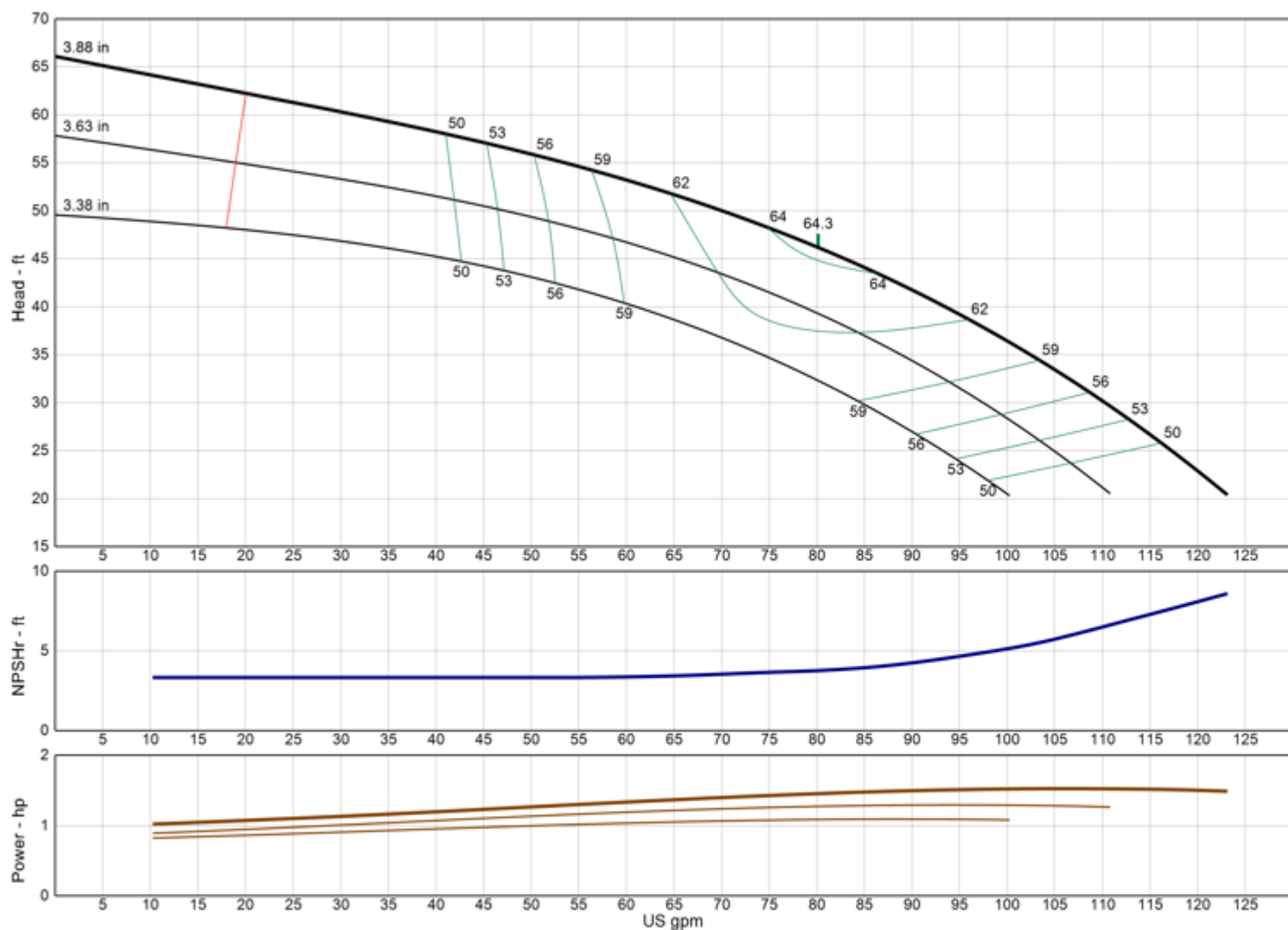
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MODEL 5RWALC

(Effective July 17, 2019)

Vertical Turbine Pump



Model 5RWALC

RPM 3540

Freq | Poles 60 Hz | 2-pole

Pump Type Lineshaft

EFFICIENCY CORRECTION

1-STAGE -4.0

2-STAGE -2.0

3-STAGE -1.0

4-STAGE 0.0

Impeller Type Enclosed

Ns 1790

Thrust K-Factor 1.30 lb/ft

Bowl OD 5.20 in

Bowl Lateral 0.50 in

Max PSI 480 psi

Thd Disch Size 3", 4"

TURBINE OPERATIONS

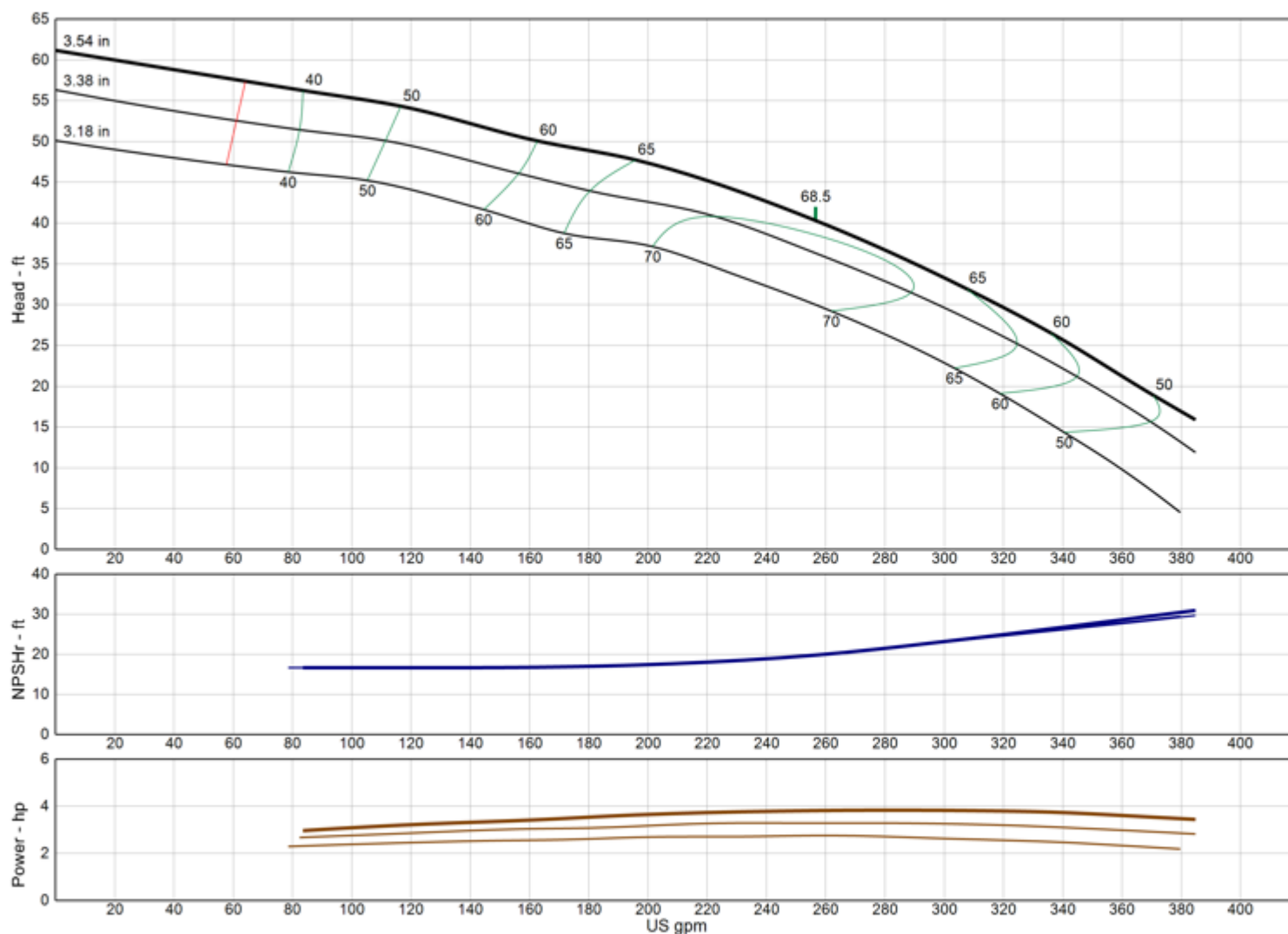
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MODEL 5THC

(Effective July 17, 2019)

Vertical Turbine Pump



Model 5THC

RPM 3540

Freq | Poles 60 Hz | 2-pole

Pump Type Lineshaft

EFFICIENCY CORRECTION

1-STAGE	-3.0
2-STAGE	-2.0
3-STAGE	-1.0
4-STAGE	0.0

Impeller Type Enclosed

Ns 3545

Thrust K-Factor 2.36 lb/ft

Bowl OD 5.13 in

Bowl Lateral 0.25 in

Max PSI 480 psi

Thd Disch Size 3", 4"

TURBINE OPERATIONS

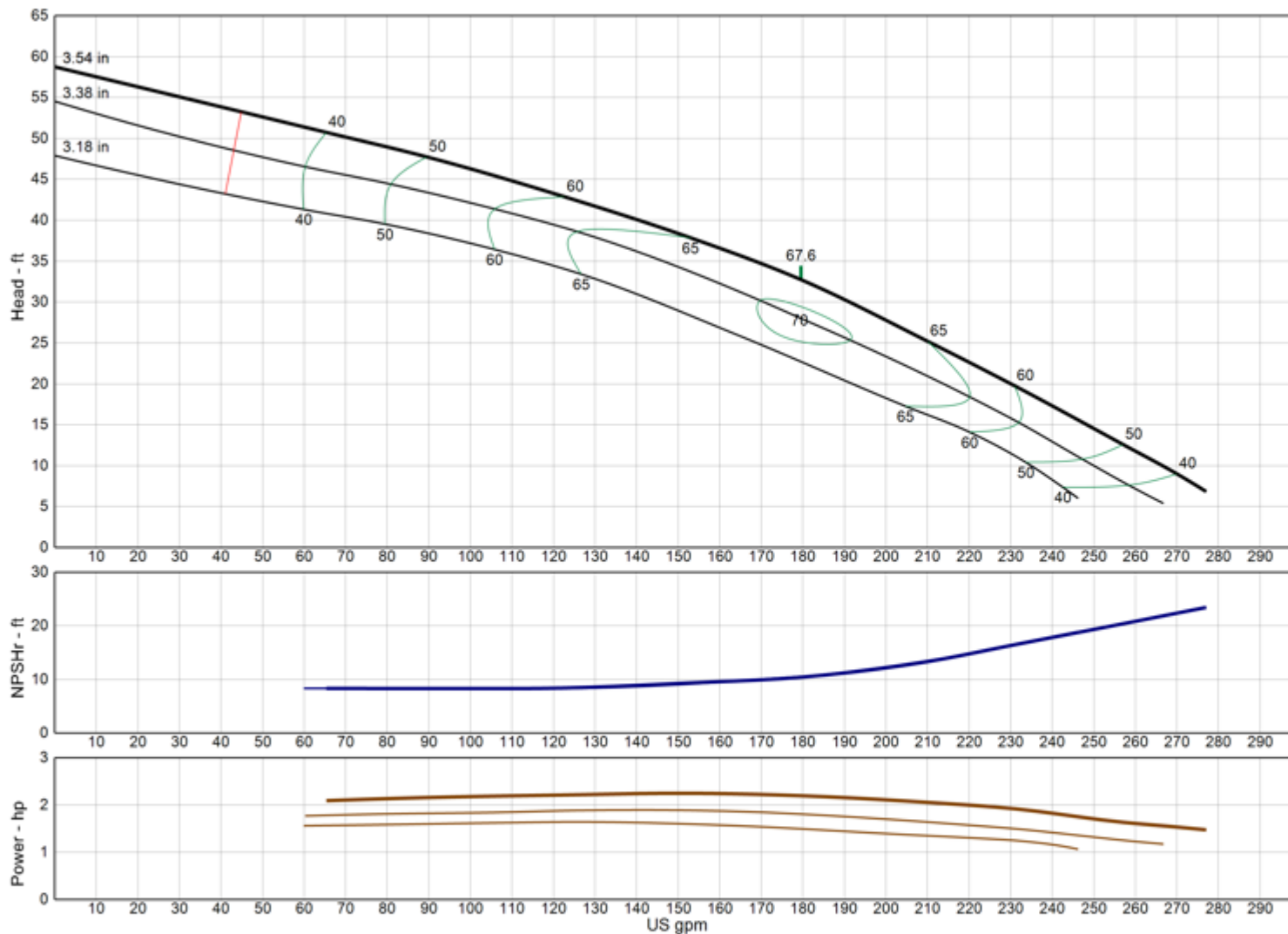
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MODEL 5TLC

(Effective July 17, 2019)

Vertical Turbine Pump



Model	5TLC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-3.0
2-STAGE	-2.0
3-STAGE	-0.5
4-STAGE	0.0
Impeller Type	Enclosed
Ns	3465
Thrust K-Factor	2.36 lb/ft
Bowl OD	5.13 in
Bowl Lateral	0.25 in
Max PSI	480 psi
Thd Disch Size	3", 4"

TURBINE OPERATIONS

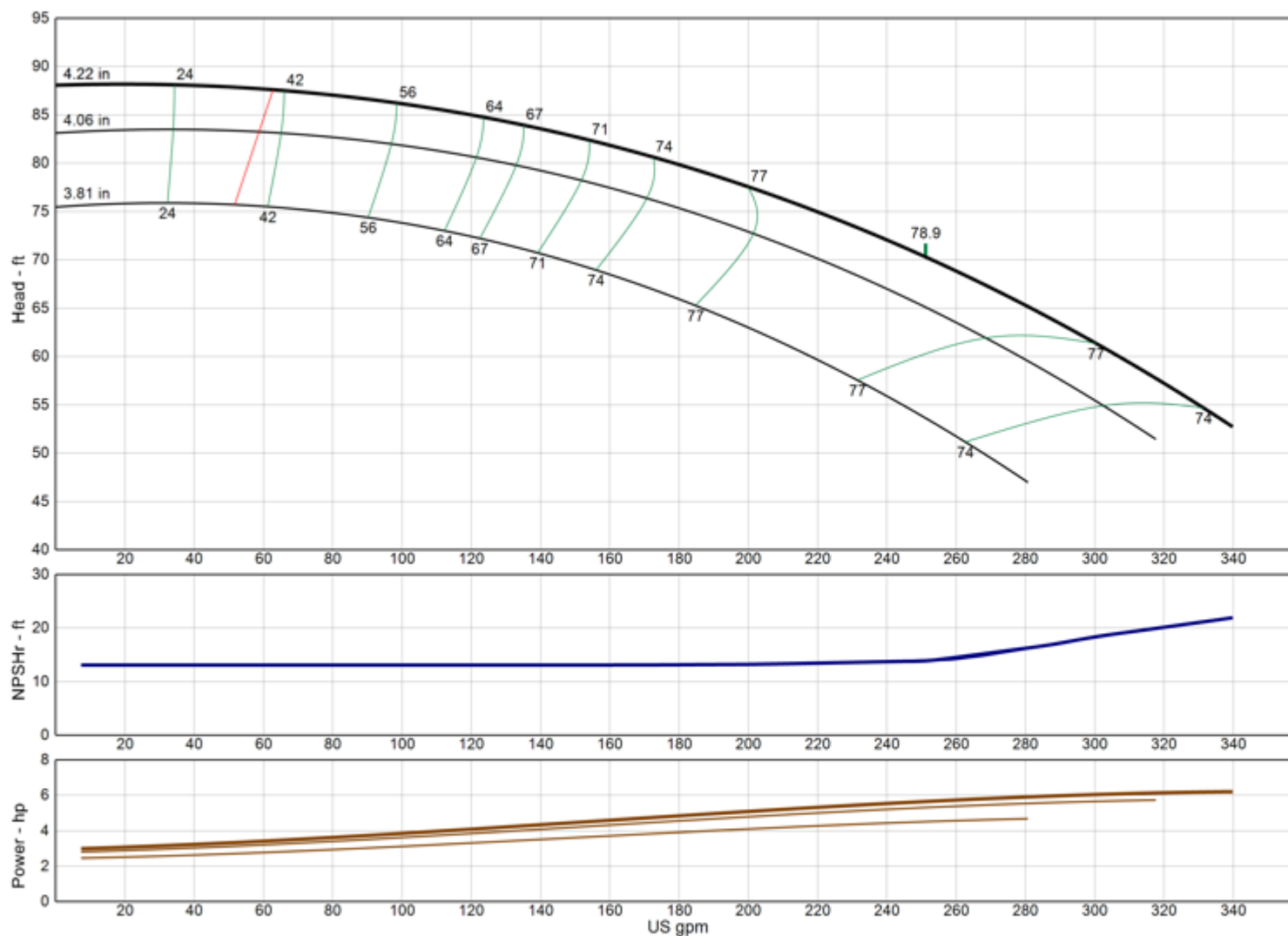
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MODEL 6CHC

(Effective December 18, 2019)

Vertical Turbine Pump



Model	6CHC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-3.0
2-STAGE	-2.0
3-STAGE	-1.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	2310
Thrust K-Factor	2.10 lb/ft
Bowl OD	5.88 in
Bowl Lateral	0.25 in
Max PSI	450 psi
Thd Disch Size	3", 4"

TURBINE OPERATIONS

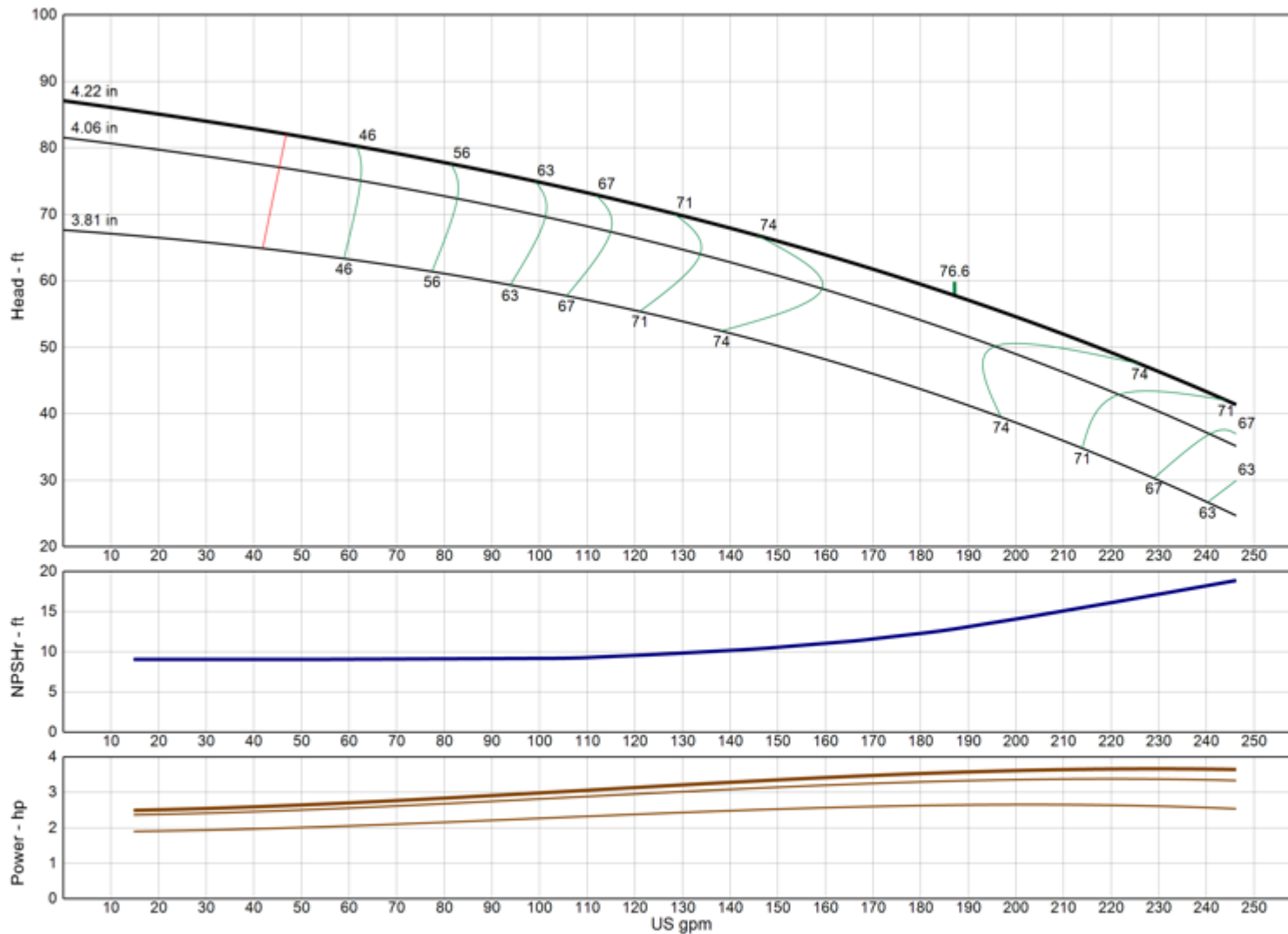
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MODEL 6CLC

(Effective July 17, 2019)

Vertical Turbine Pump



Model	6CLC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-3.0
2-STAGE	-2.0
3-STAGE	-1.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	2310
Thrust K-Factor	2.10 lb/ft
Bowl OD	5.88 in
Bowl Lateral	0.25 in
Max PSI	450 psi
Thd Disch Size	3", 4"

TURBINE OPERATIONS

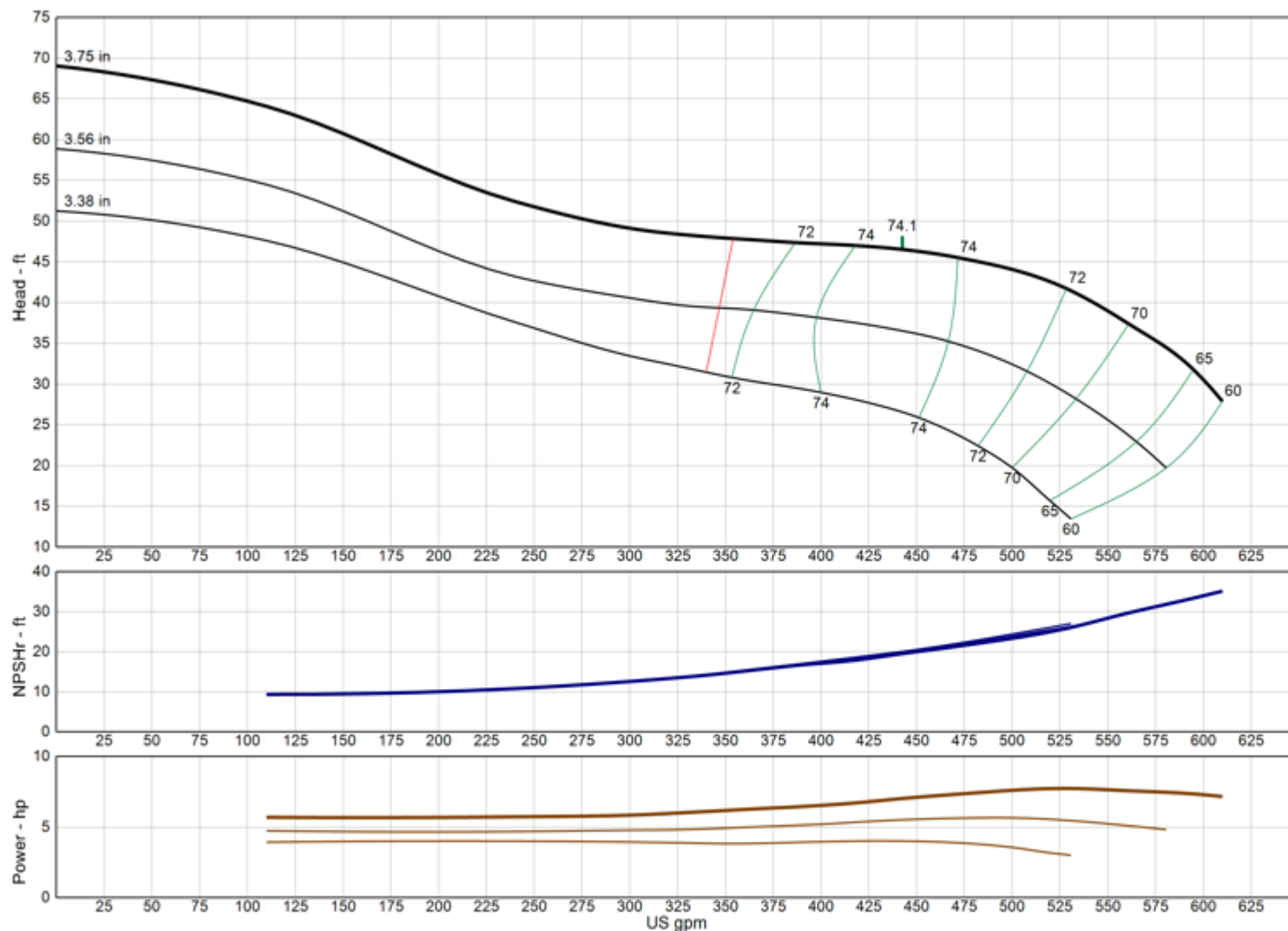
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MODEL 6DHHC

(Effective July 17, 2019)

Vertical Turbine Pump



Model	6DHHC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-3.0
2-STAGE	-2.0
3-STAGE	-1.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	4180
Thrust K-Factor	5.60 lb/ft
Bowl OD	5.50 in
Bowl Lateral	0.56 in
Max PSI	530 psi
Thd Disch Size	4", 5"

TURBINE OPERATIONS

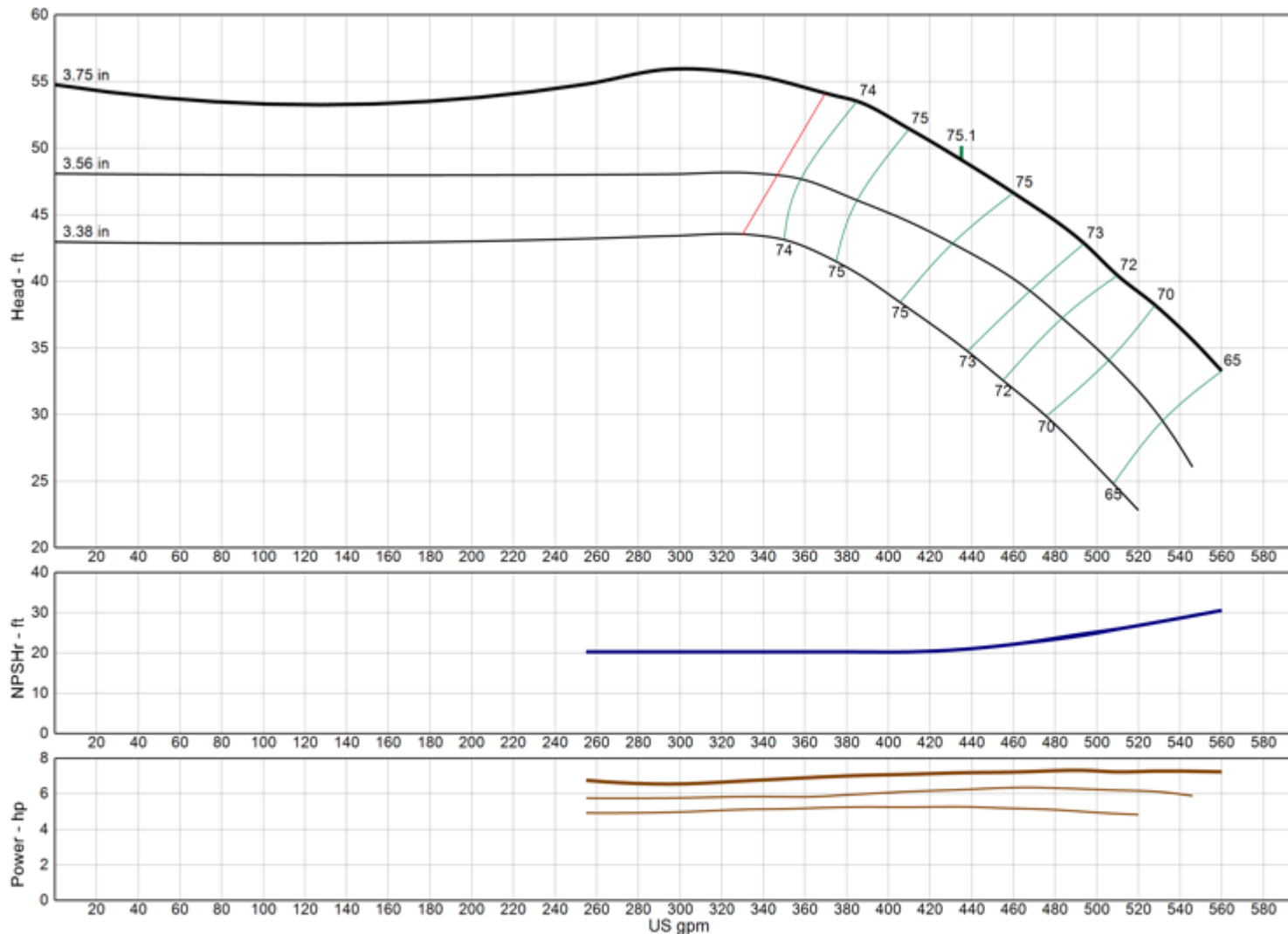
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MODEL 6DHHO

(Effective July 17, 2019)

Vertical Turbine Pump



Model	6DHHO
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-3.0
2-STAGE	-2.0
3-STAGE	-1.0
4-STAGE	0.0
Impeller Type	Open
Ns	3980
Thrust K-Factor	5.60 lb/ft
Bowl OD	5.50 in
Bowl Lateral	0.56 in
Max PSI	530 psi
Thd Disch Size	4", 5"

TURBINE OPERATIONS

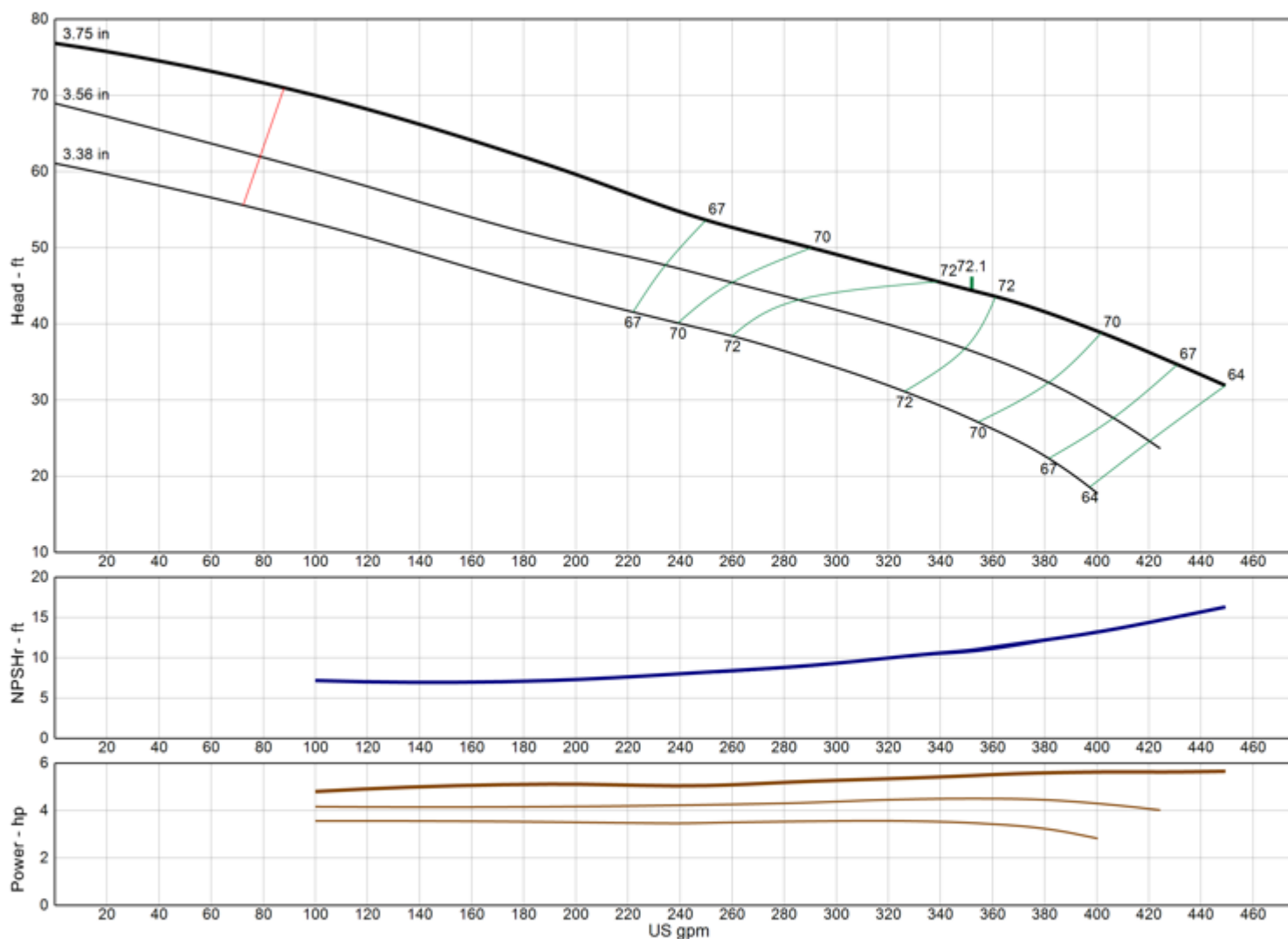
Lubbock, Texas

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MODEL 6DHLC

(Effective July 17, 2019)

Vertical Turbine Pump



Model	6DHLC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-3.0
2-STAGE	-2.0
3-STAGE	-1.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	3860
Thrust K-Factor	5.60 lb/ft
Bowl OD	5.50 in
Bowl Lateral	0.56 in
Max PSI	530 psi
Thd Disch Size	4", 5"

TURBINE OPERATIONS

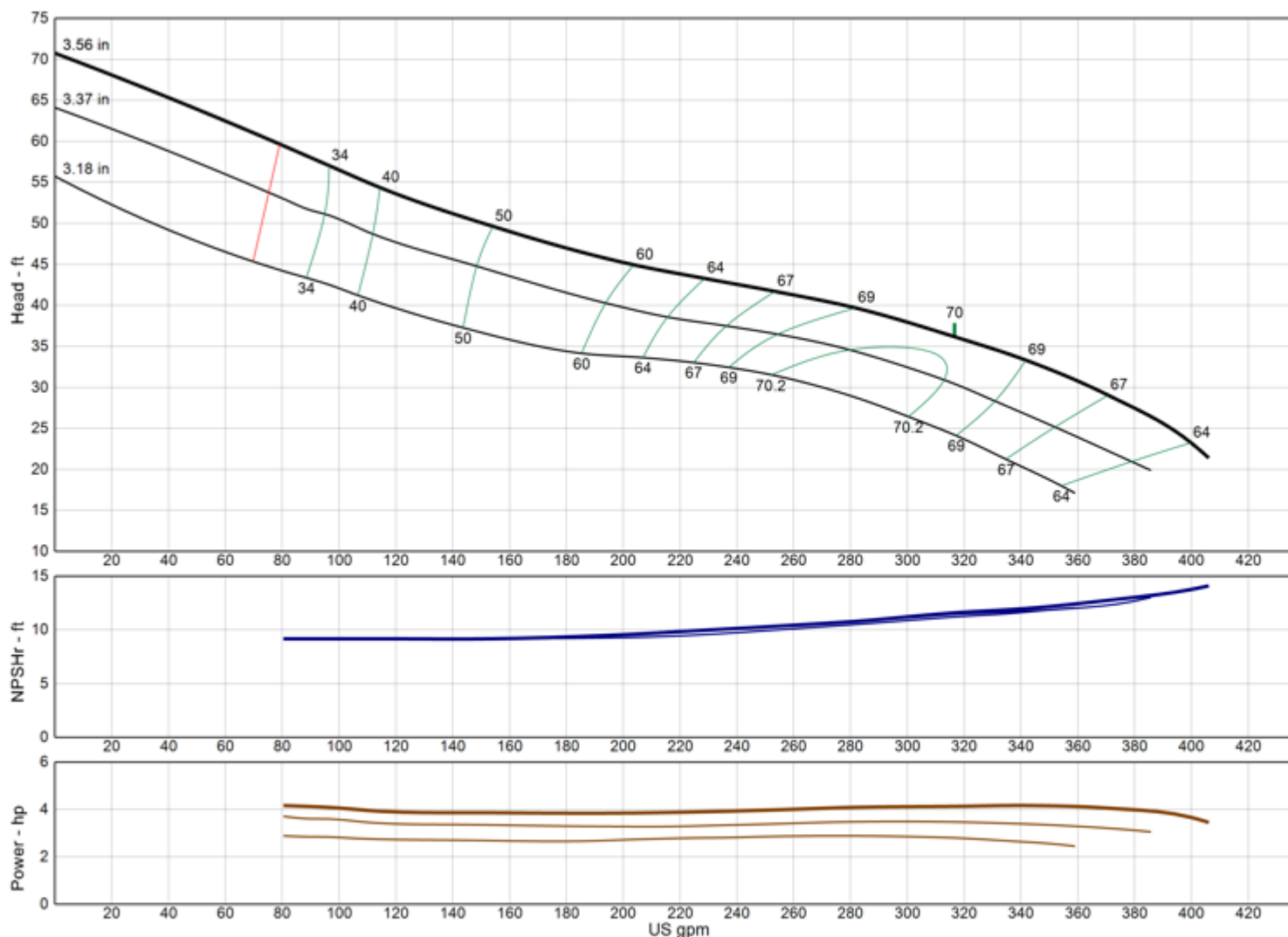
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MODEL 6DHLO

(Effective July 17, 2019)

Vertical Turbine Pump



Model 6DHLO

RPM 3540

Freq | Poles 60 Hz | 2-pole

Pump Type Lineshaft

EFFICIENCY CORRECTION

1-STAGE	-3.0
2-STAGE	-2.0
3-STAGE	-1.0
4-STAGE	0.0

Impeller Type Open

Ns 4270

Thrust K-Factor 5.60 lb/ft

Bowl OD 5.50 in

Bowl Lateral 0.56 in

Max PSI 530 psi

Thd Disch Size 4", 5"

TURBINE OPERATIONS

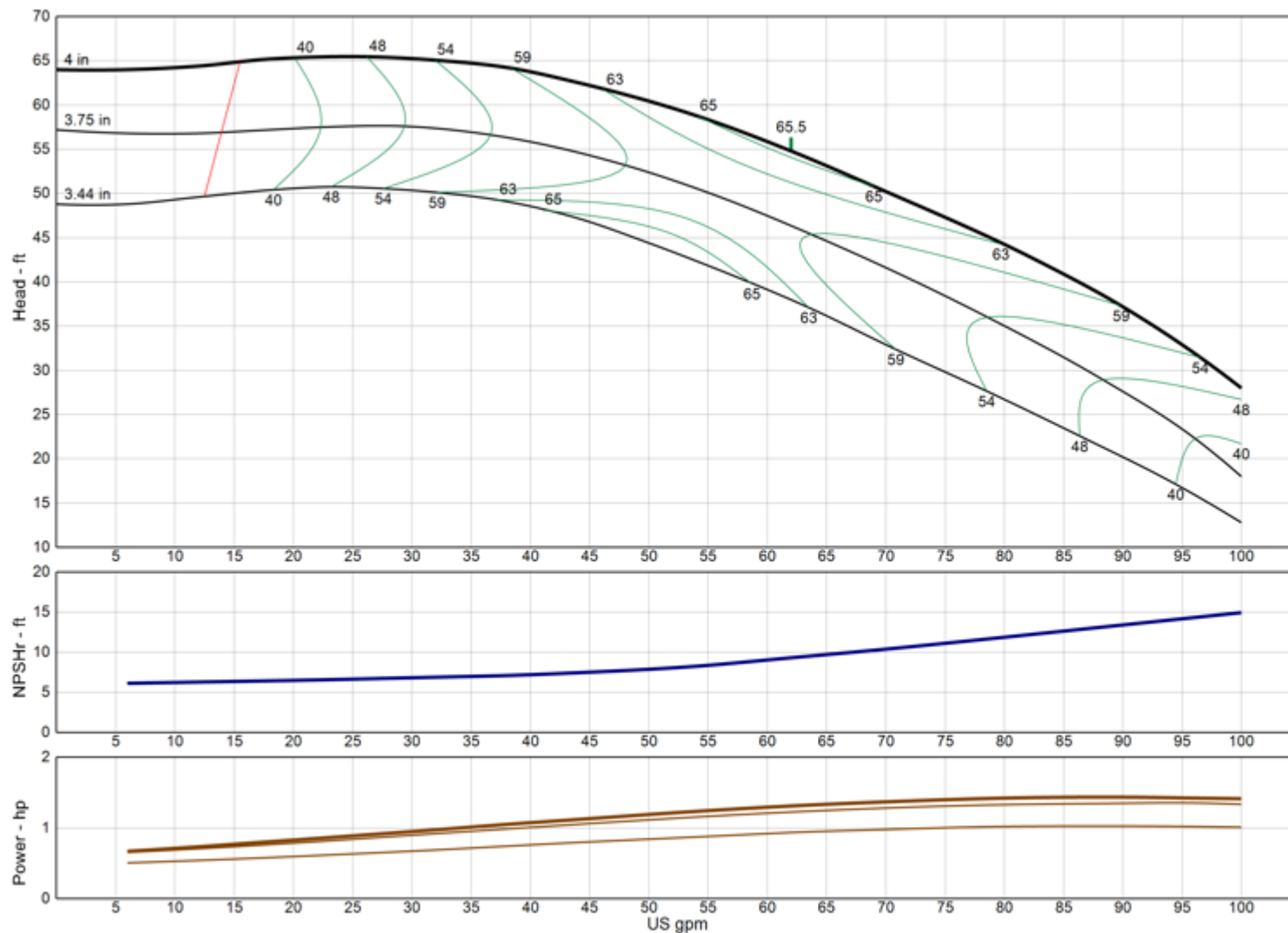
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MODEL 6RAHC

(Effective July 17, 2019)

Vertical Turbine Pump



Model	6RAHC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-3.0
2-STAGE	-2.0
3-STAGE	-1.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	1385
Thrust K-Factor	1.18 lb/ft
Bowl OD	5.50 in
Bowl Lateral	0.25 in
Max PSI	540 psi
Thd Disch Size	3", 4"

TURBINE OPERATIONS

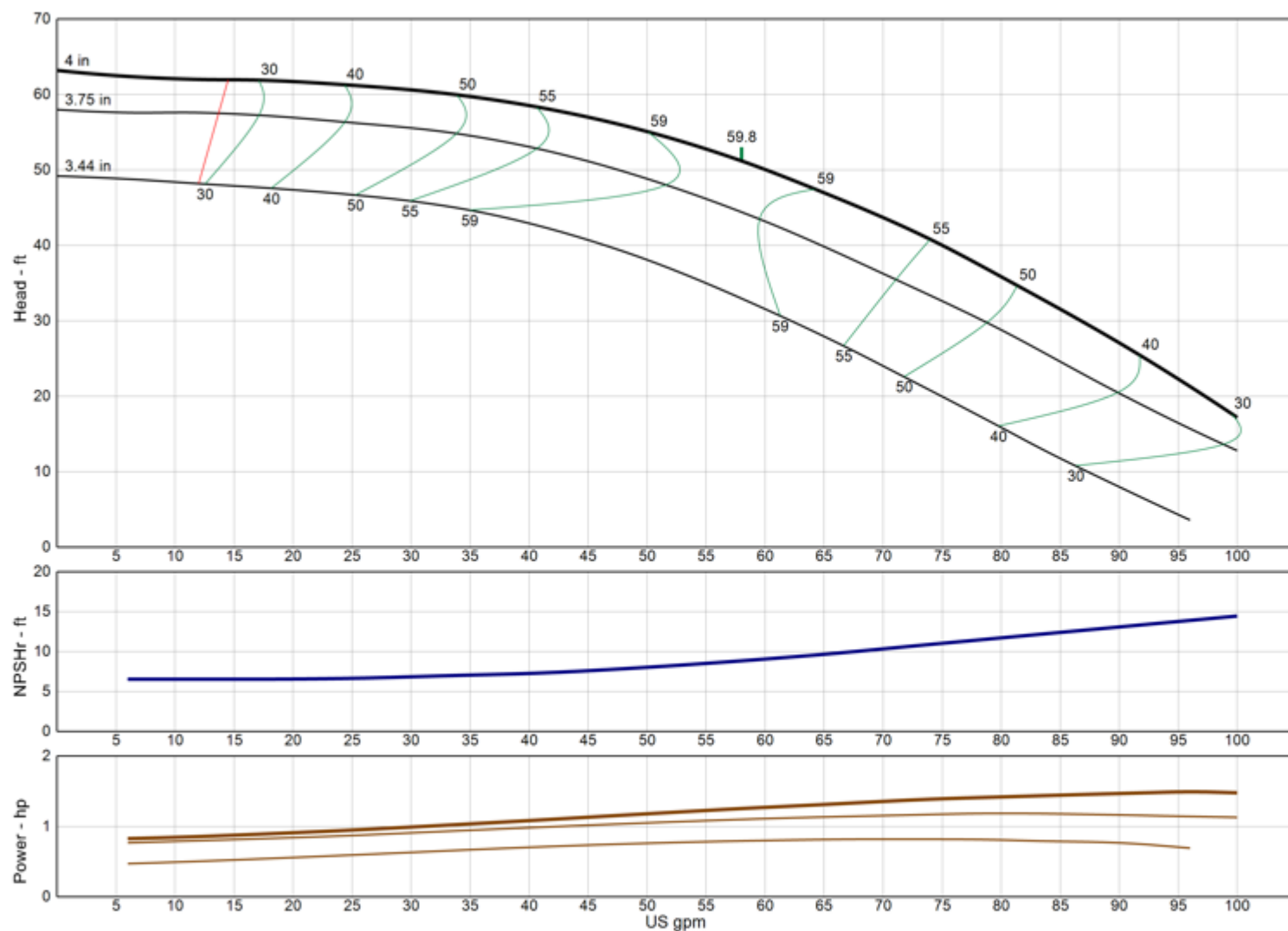
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MODEL 6RALC

(Effective July 17, 2019)

Vertical Turbine Pump



Model	6RALC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-3.0
2-STAGE	-2.0
3-STAGE	-1.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	1410
Thrust K-Factor	1.18 lb/ft
Bowl OD	5.50 in
Bowl Lateral	0.25 in
Max PSI	540 psi
Thd Disch Size	3", 4"

TURBINE OPERATIONS

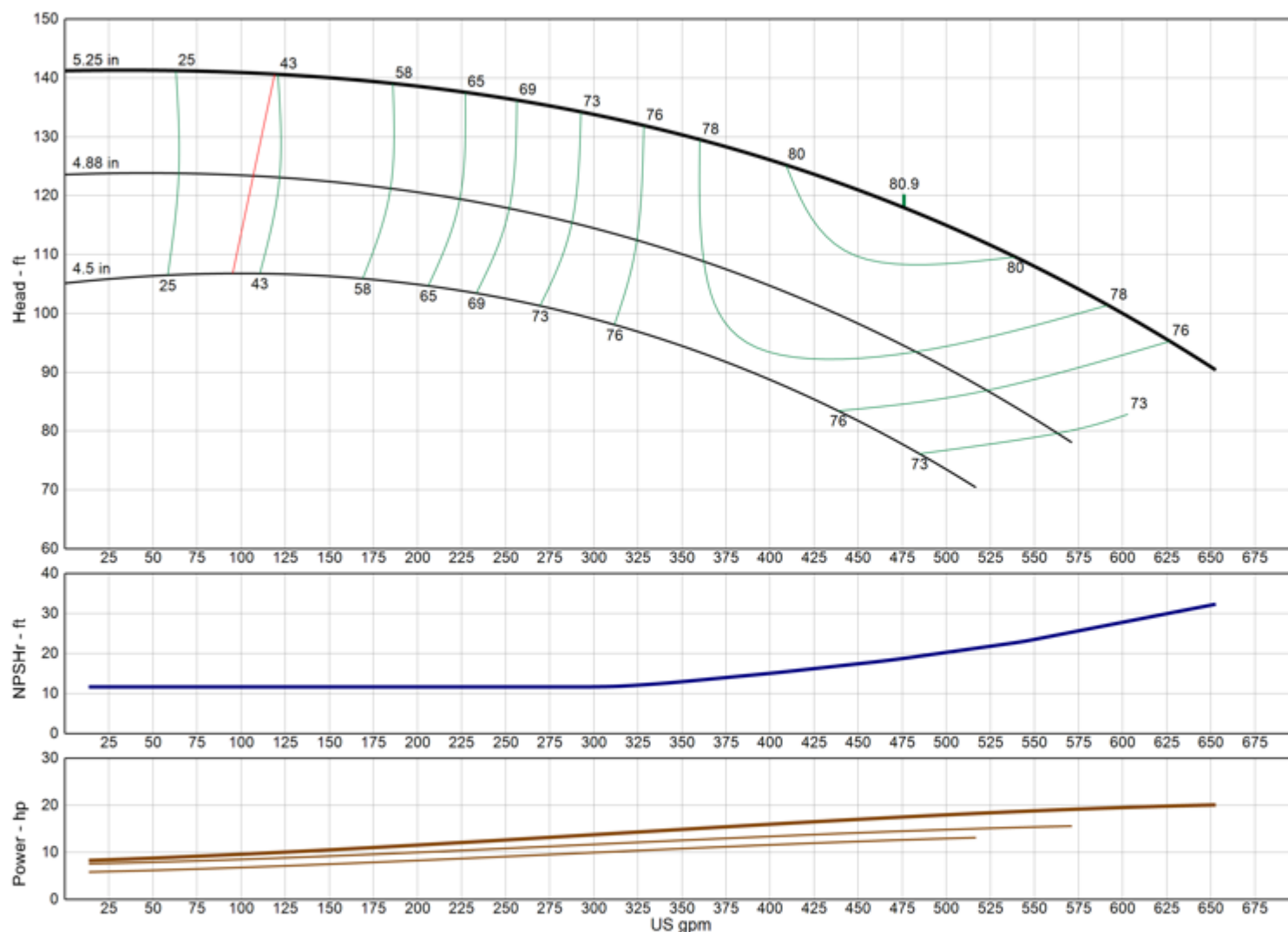
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MODEL 7CHC

(Effective December 18, 2019)

Vertical Turbine Pump



Model	7CHC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-2.0
2-STAGE	-1.0
3-STAGE	0.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	2160
Thrust K-Factor	3.50 lb/ft
Bowl OD	7.13 in
Bowl Lateral	0.50 in
Max PSI	350 psi
Thd Disch Size	4", 5", 6"

TURBINE OPERATIONS

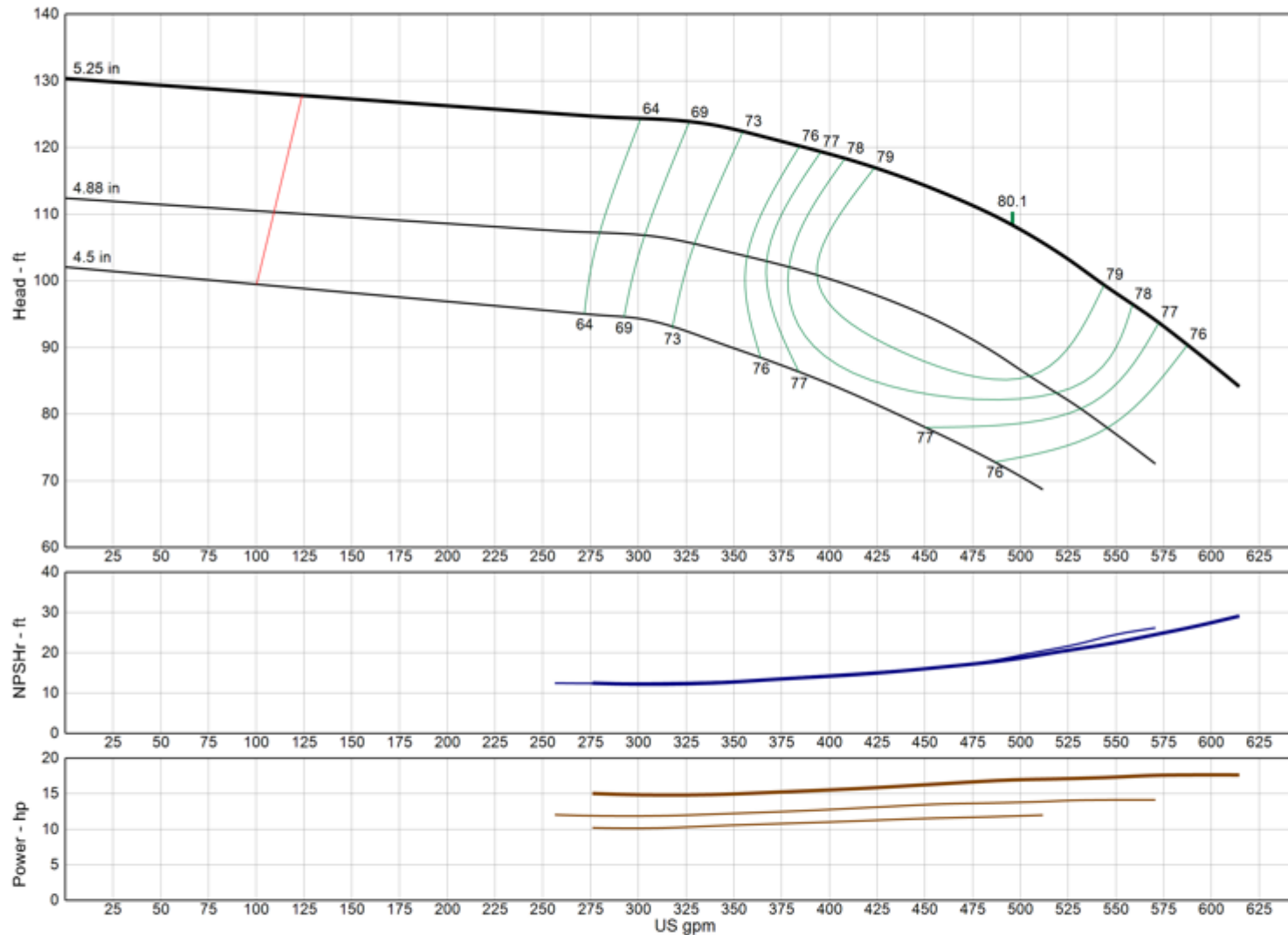
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MODEL 7CHO

(Effective July 17, 2019)

Vertical Turbine Pump



Model	7CHO
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-2.0
2-STAGE	-1.0
3-STAGE	-0.5
4-STAGE	0.0
Impeller Type	Open
Ns	2350
Thrust K-Factor	3.80 lb/ft
Bowl OD	7.13 in
Bowl Lateral	0.50 in
Max PSI	350 psi
Thd Disch Size	4", 5", 6"

TURBINE OPERATIONS

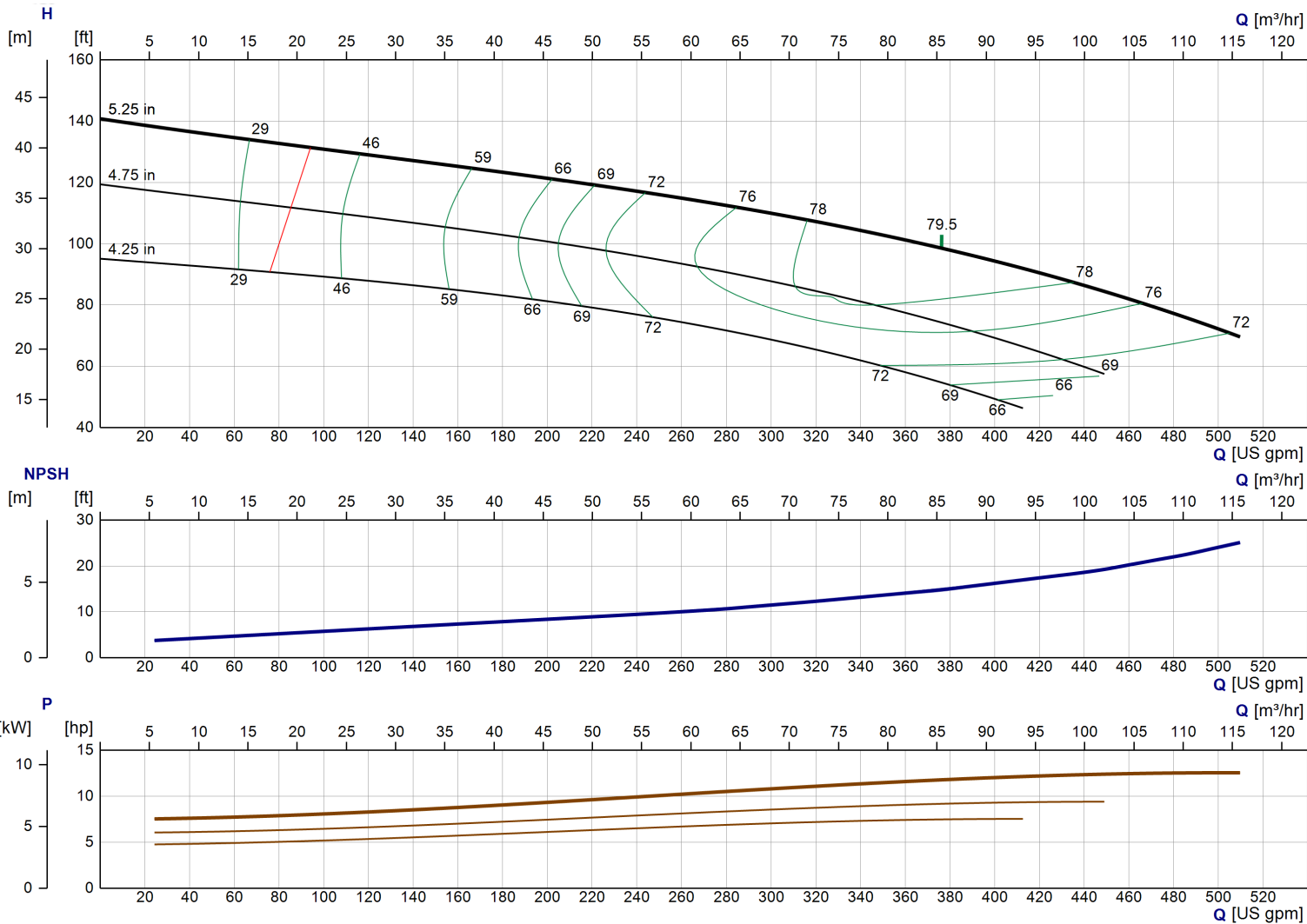
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MODEL 7CLC

(Effective January 11, 2022)

Vertical Turbine Pump



Model	7CLC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-2.0
2-STAGE	-1.0
3-STAGE	0.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	2105
Thrust K-Factor	3.50 lb/ft
Bowl OD	7.13 in
Bowl Lateral	0.50 in
Max PSI	350 psi
Thd Disch Size	4", 5", 6"

TURBINE OPERATIONS

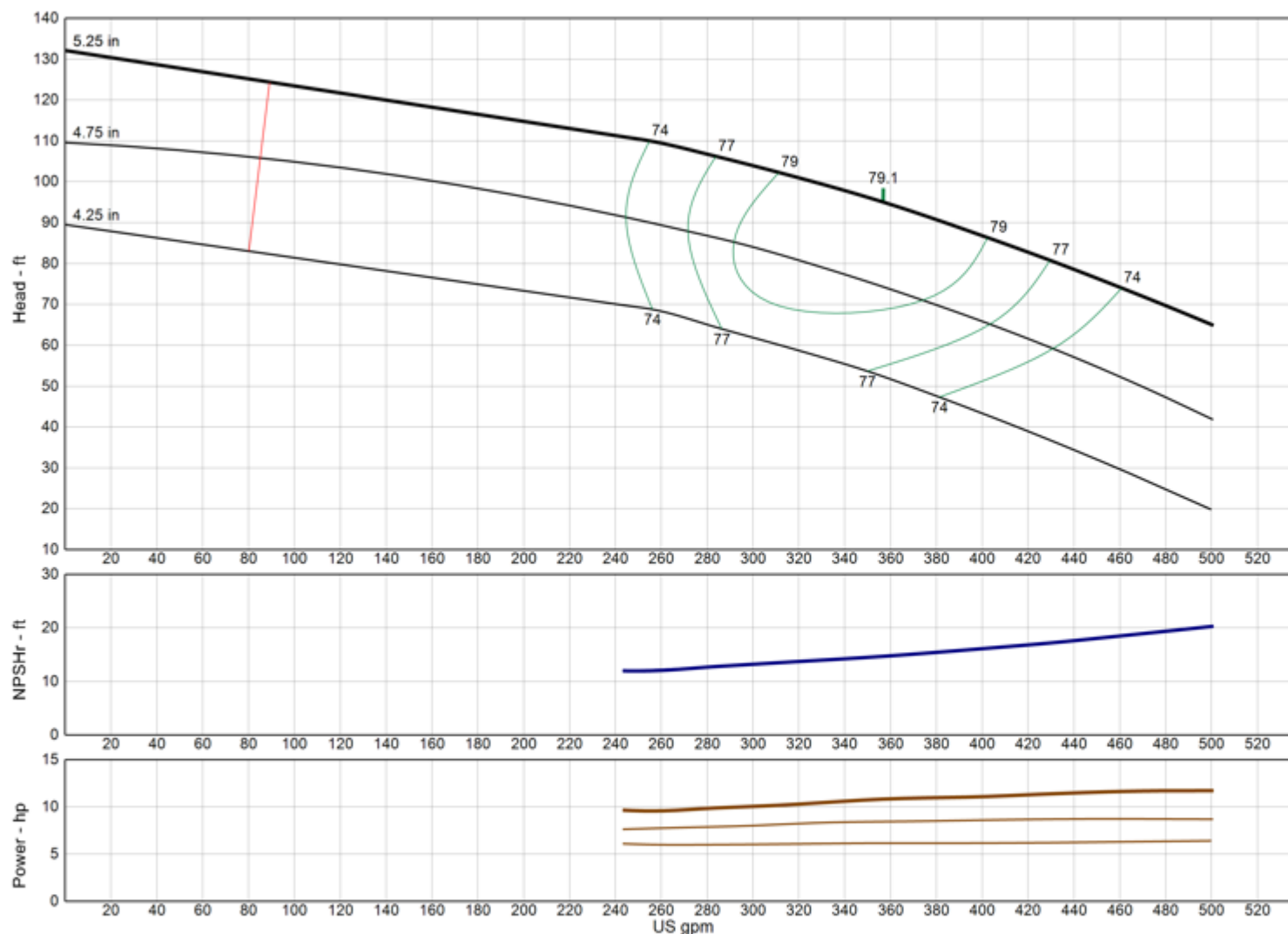
Lubbock, Texas

NOMINAL BOWL PERFORMANCE CURVE AND DATA BASED ON PUMPING CLEAR, NON-AERATED WATER AND USING STANDARD MATERIALS OF CONSTRUCTION. RATED POINT ONLY CAN BE GUARANTEED BY THE FACTORY. CURVES REPRESENT SINGLE STAGE AVERAGE PERFORMANCE BASED ON TEST OF MULTI-STAGE BOWL ASSEMBLY. EFFICIENCY CORRECTION APPLIES DIRECTLY TO EFFICIENCY (-) AND HEAD (x) FOR LESSER STAGES. ACTUAL DRIVER OPERATING SPEED SHOULD BE VERIFIED.

MODEL 7CLO

(Effective July 17, 2019)

Vertical Turbine Pump



Model 7CLO

RPM 3540

Freq | Poles 60 Hz | 2-pole

Pump Type Lineshaft

EFFICIENCY CORRECTION

1-STAGE	-2.0
2-STAGE	-1.0
3-STAGE	-0.5
4-STAGE	0.0

Impeller Type Open

Ns 2195

Thrust K-Factor 3.80 lb/ft

Bowl OD 7.13 in

Bowl Lateral 0.50 in

Max PSI 350 psi

Thd Disch Size 4", 5", 6"

TURBINE OPERATIONS

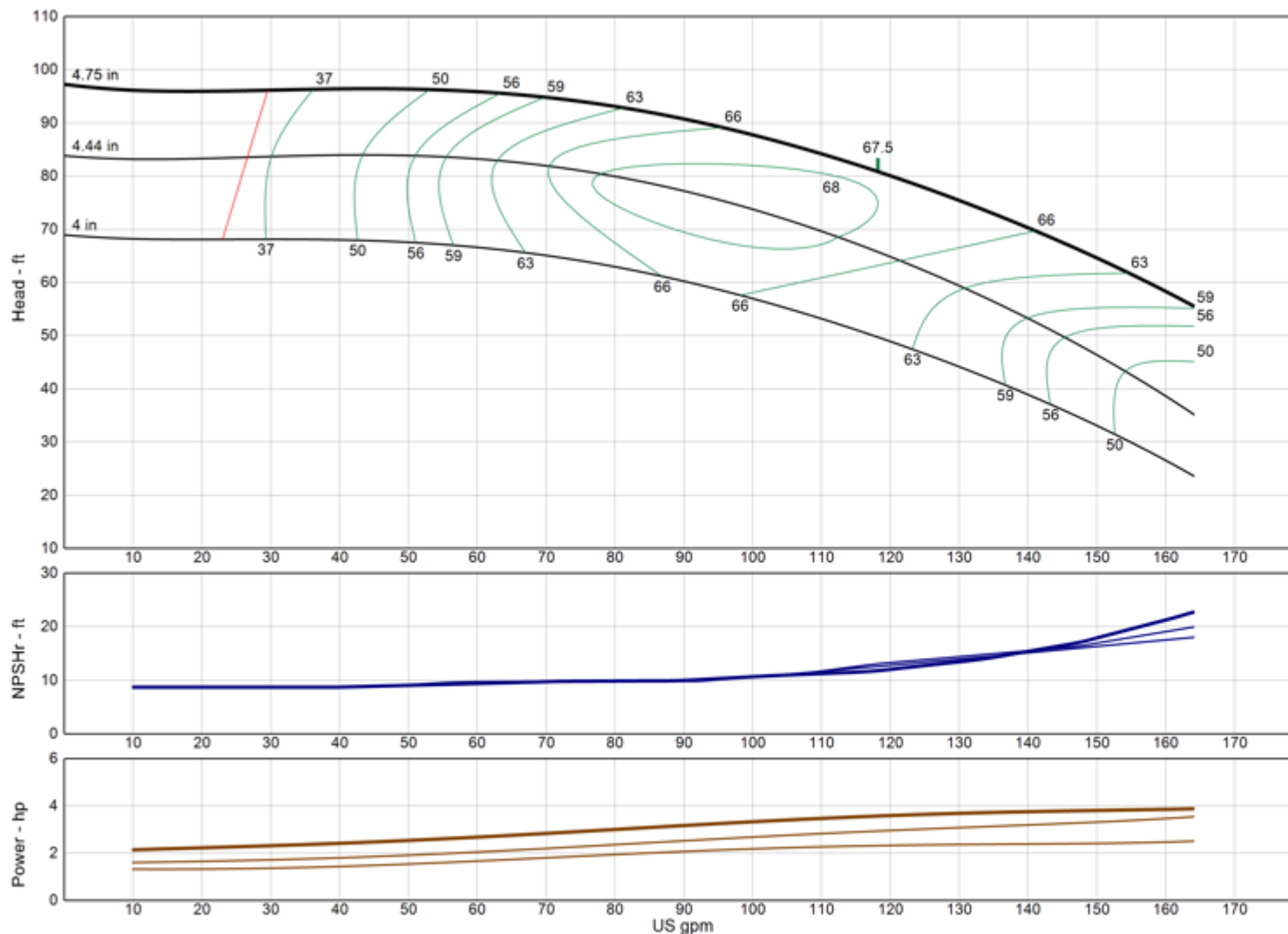
Lubbock, Texas

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MODEL 7RAHC

(Effective July 17, 2019)

Vertical Turbine Pump



Model 7RAHC

RPM 3540

Freq | Poles 60 Hz | 2-pole

Pump Type Lineshaft

EFFICIENCY CORRECTION

1-STAGE	-3.0
2-STAGE	-2.0
3-STAGE	-1.0
4-STAGE	0.0

Impeller Type Enclosed

Ns 1425

Thrust K-Factor 1.61 lb/ft

Bowl OD 7.50 in

Bowl Lateral 0.25 in

Max PSI 410 psi

Thd Disch Size 3", 4"

TURBINE OPERATIONS

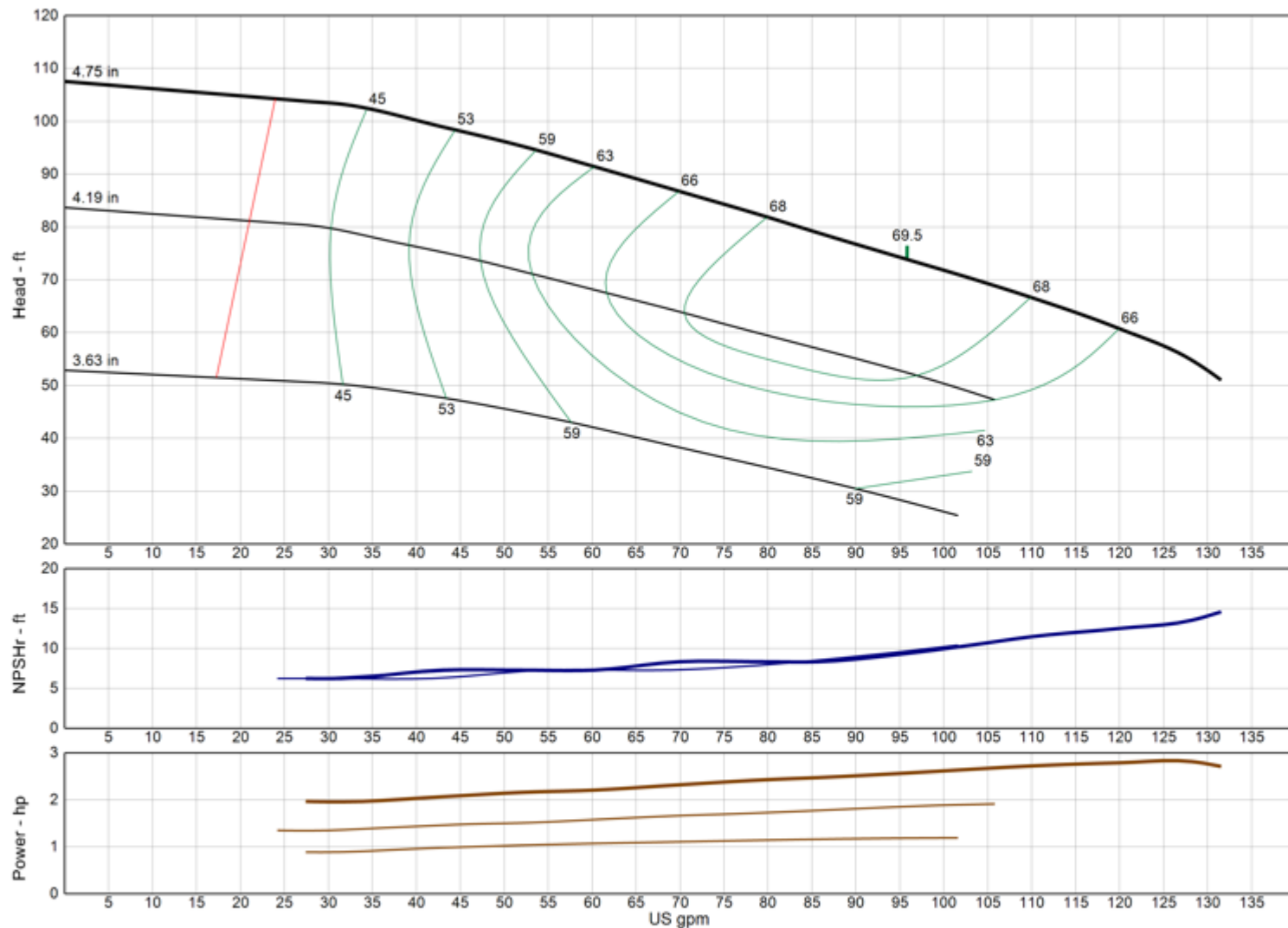
Lubbock, Texas

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MODEL 7RALC

(Effective July 17, 2019)

Vertical Turbine Pump



Model	7RALC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-4.0
2-STAGE	-2.0
3-STAGE	-1.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	1375
Thrust K-Factor	1.61 lb/ft
Bowl OD	7.50 in
Bowl Lateral	0.25 in
Max PSI	410 psi
Thd Disch Size	3", 4"

TURBINE OPERATIONS

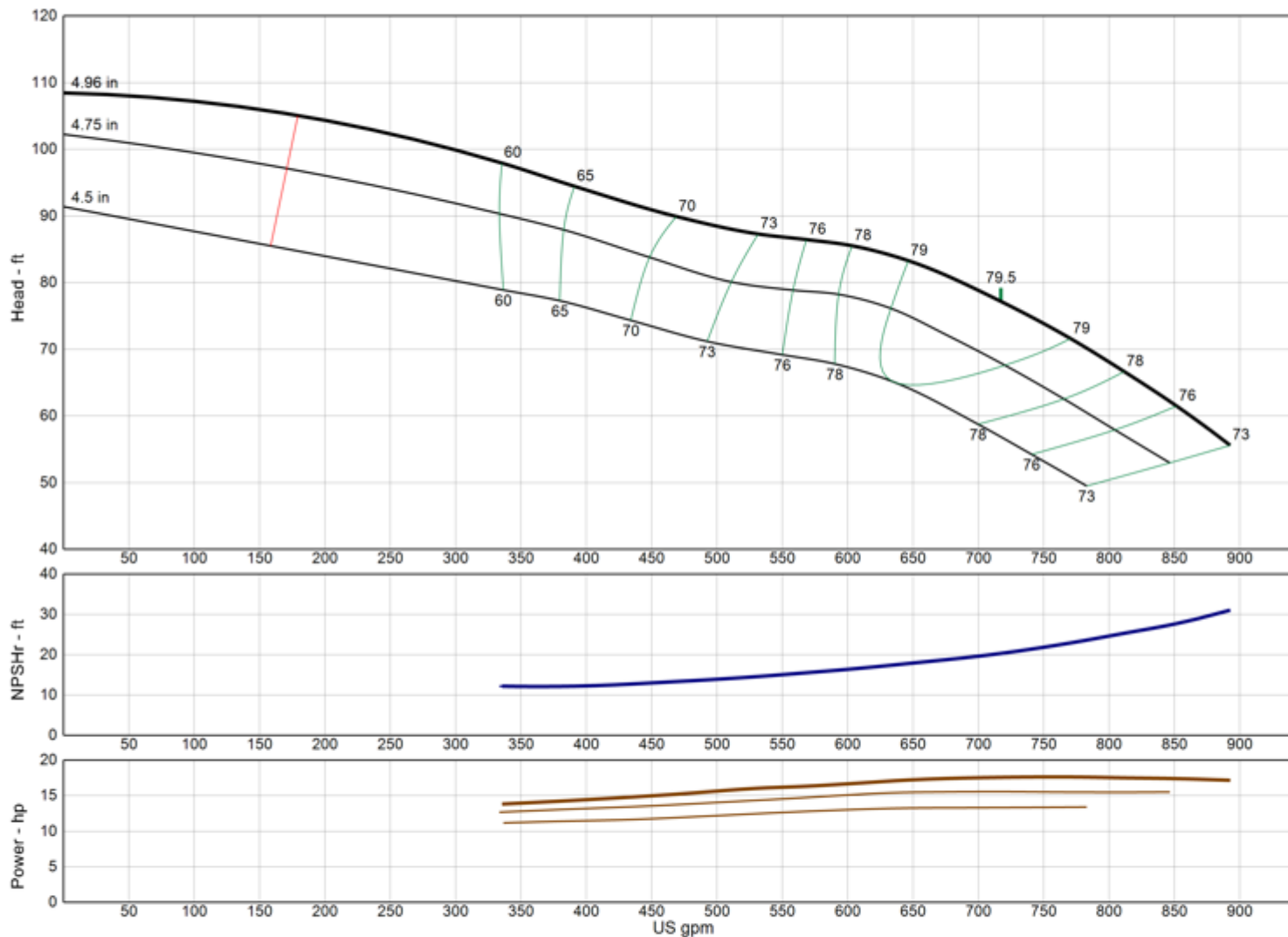
Lubbock, Texas

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MODEL 7THC

(Effective July 17, 2019)

Vertical Turbine Pump



Model	7THC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-3.0
2-STAGE	-2.0
3-STAGE	-1.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	3640
Thrust K-Factor	4.56 lb/ft
Bowl OD	7.13 in
Bowl Lateral	0.38 in
Max PSI	440 psi
Thd Disch Size	4", 5", 6"

TURBINE OPERATIONS

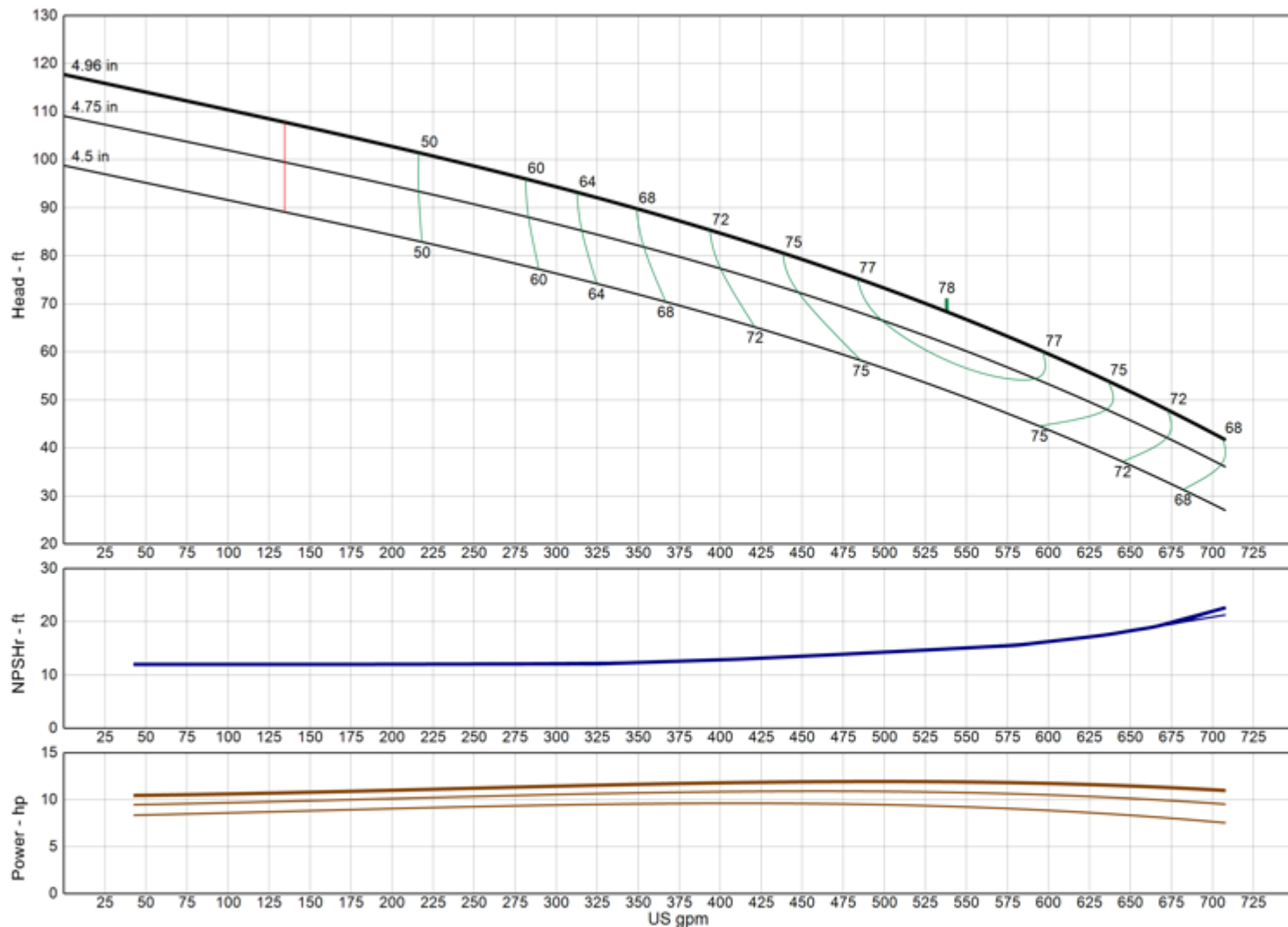
Lubbock, Texas

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MODEL 7TLC

(Effective July 17, 2019)

Vertical Turbine Pump



Model	7TLC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-3.0
2-STAGE	-2.0
3-STAGE	-1.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	3455
Thrust K-Factor	4.50 lb/ft
Bowl OD	7.13 in
Bowl Lateral	0.38 in
Max PSI	440 psi
Thd Disch Size	4", 5", 6"

TURBINE OPERATIONS

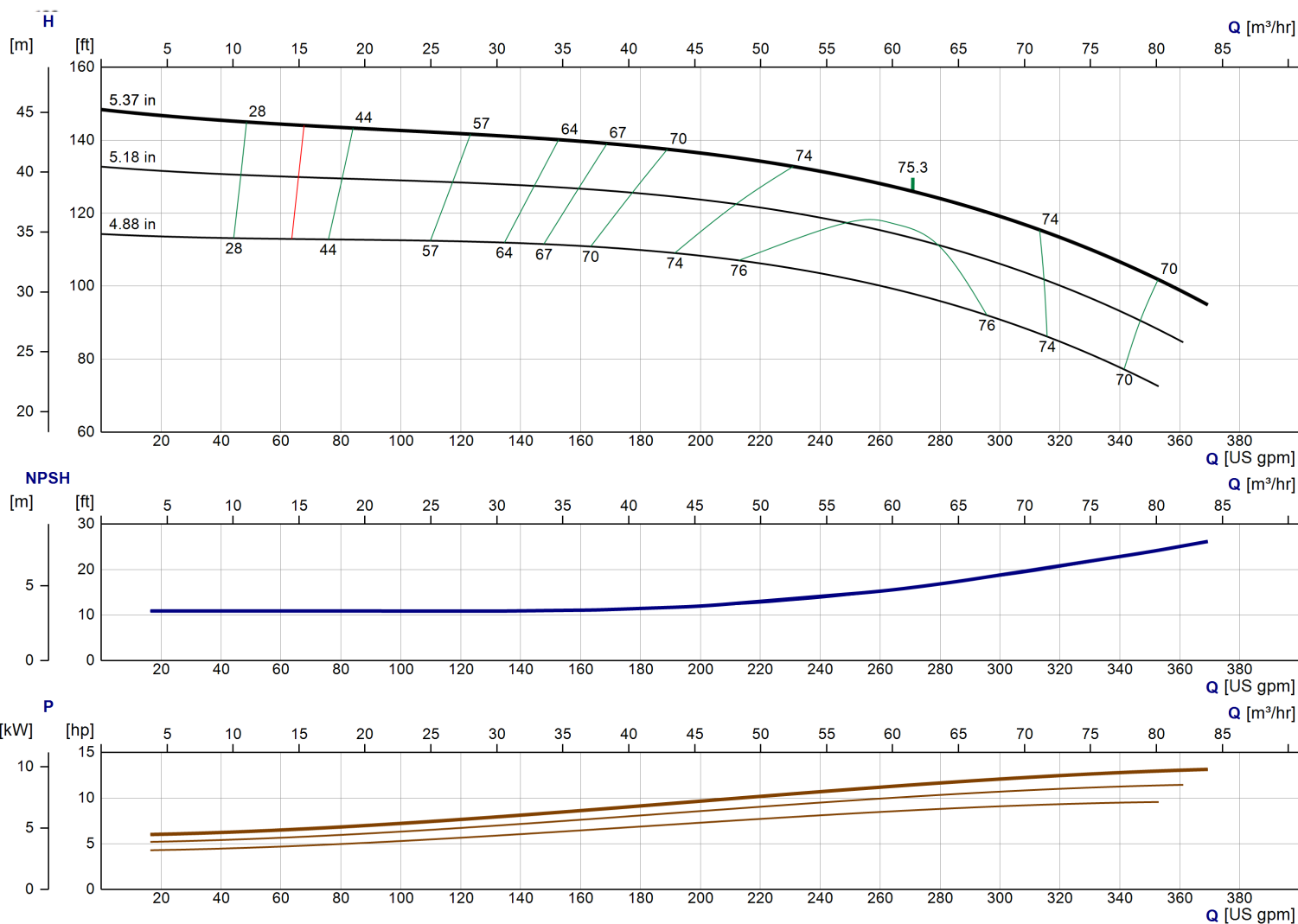
Lubbock, Texas

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MODEL 7WAHC

(Effective January 11, 2022)

Vertical Turbine Pump



Model	7WAHC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-3.0
2-STAGE	-2.0
3-STAGE	-1.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	1750
Thrust K-Factor	2.63 lb/ft
Bowl OD	7.13 in
Bowl Lateral	0.50 in
Max PSI	430 psi
Thd Disch Size	4", 5", 6"

TURBINE OPERATIONS

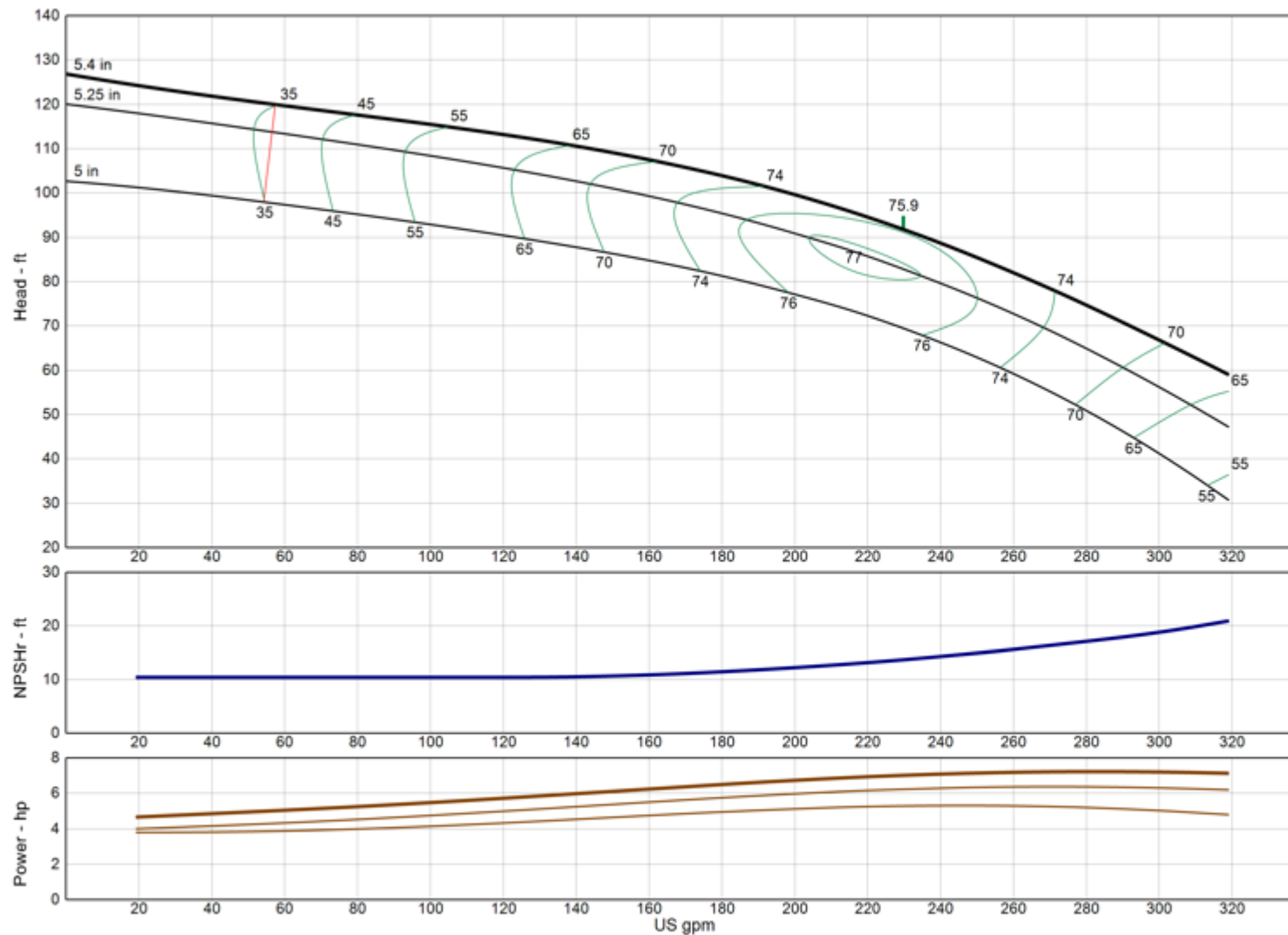
Lubbock, Texas

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MODEL 7WALC

(Effective July 17, 2019)

Vertical Turbine Pump



Model	7WALC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-3.0
2-STAGE	-2.0
3-STAGE	-1.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	1810
Thrust K-Factor	2.63 lb/ft
Bowl OD	7.13 in
Bowl Lateral	0.50 in
Max PSI	430 psi
Thd Disch Size	4", 5", 6"

TURBINE OPERATIONS

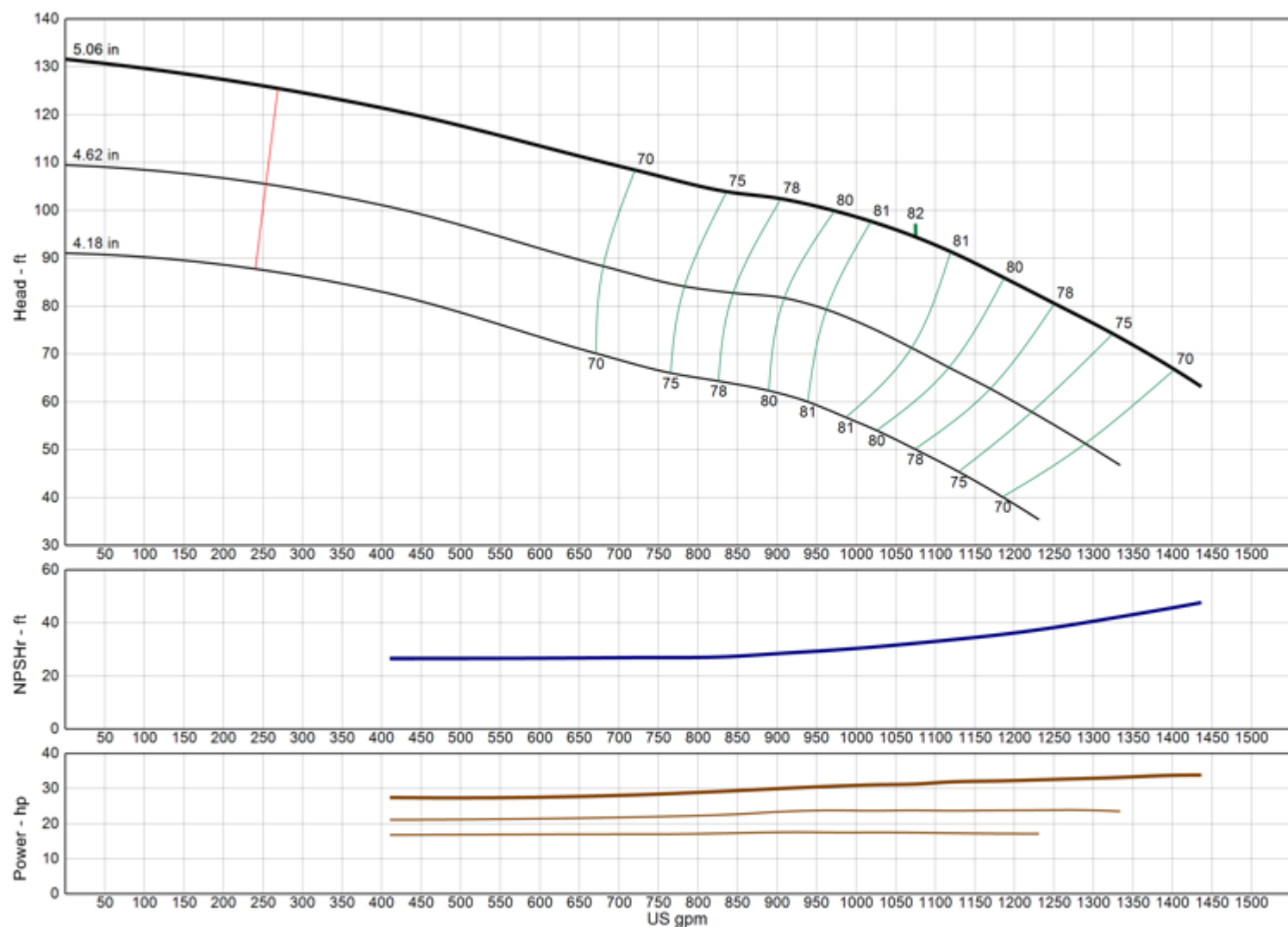
Lubbock, Texas

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MODEL 8FDHC

(Effective July 17, 2019)

Vertical Turbine Pump



Model	8FDHC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-4.0
2-STAGE	-2.0
3-STAGE	-1.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	3830
Thrust K-Factor	7.90 lb/ft
Bowl OD	7.50 in
Bowl Lateral	0.56 in
Max PSI	410 psi
Thd Disch Size	4", 5", 6"

TURBINE OPERATIONS

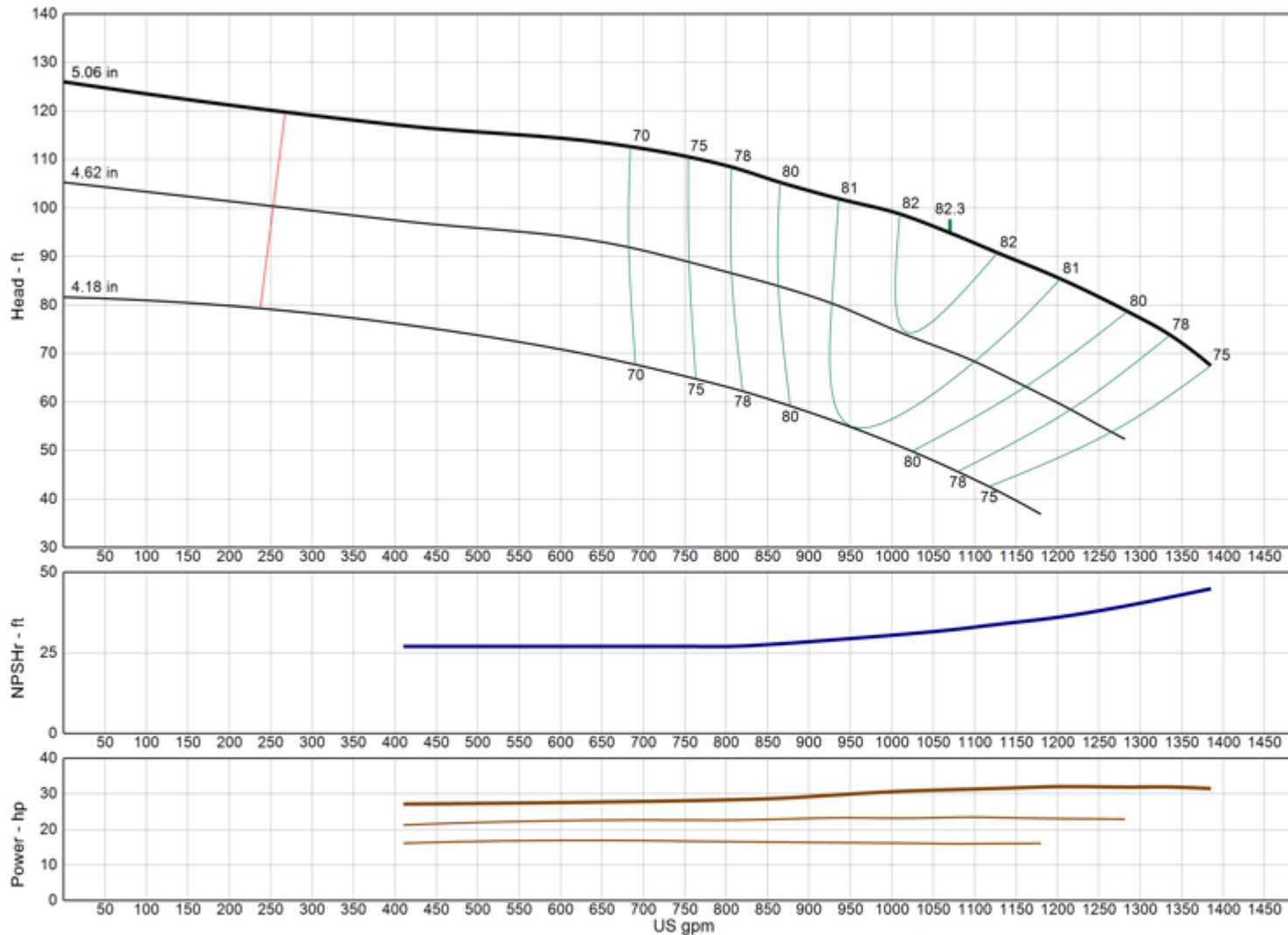
Lubbock, Texas

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MODEL 8FDHO

(Effective July 17, 2019)

Vertical Turbine Pump



Model 8FDHO

RPM 3540

Freq | Poles 60 Hz | 2-pole

Pump Type Lineshaft

EFFICIENCY CORRECTION

1-STAGE -3.0

2-STAGE -1.5

3-STAGE -1.0

4-STAGE 0.0

Impeller Type Open

Ns 3810

Thrust K-Factor 9.90 lb/ft

Bowl OD 7.50 in

Bowl Lateral 0.56 in

Max PSI 410 psi

Thd Disch Size 4", 5", 6"

TURBINE OPERATIONS

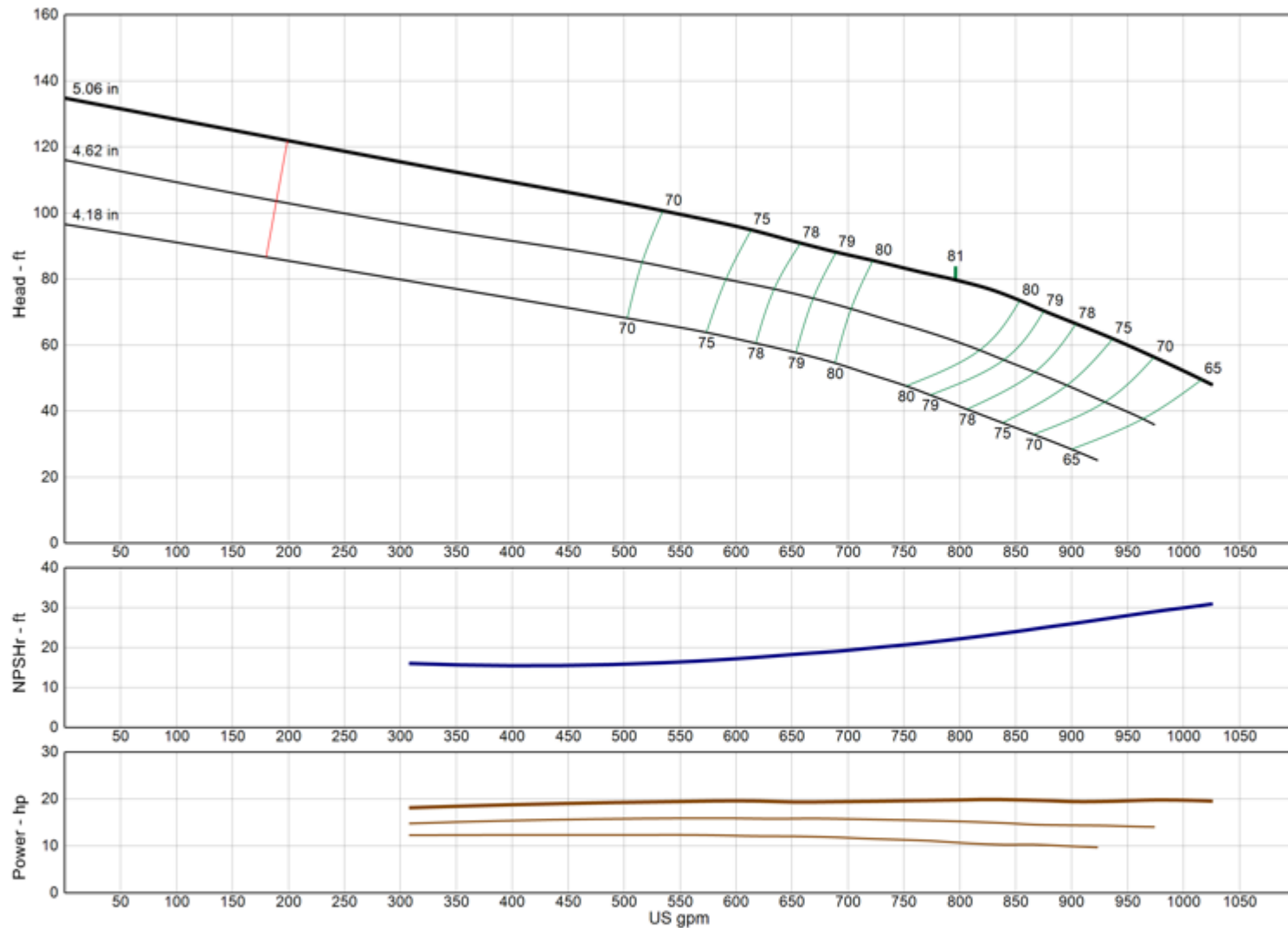
Lubbock, Texas

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MODEL 8FDLC

(Effective July 17, 2019)

Vertical Turbine Pump



Model	8FDLC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-3.0
2-STAGE	-1.5
3-STAGE	-1.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	3745
Thrust K-Factor	7.90 lb/ft
Bowl OD	7.50 in
Bowl Lateral	0.56 in
Max PSI	410 psi
Thd Disch Size	4", 5", 6"

TURBINE OPERATIONS

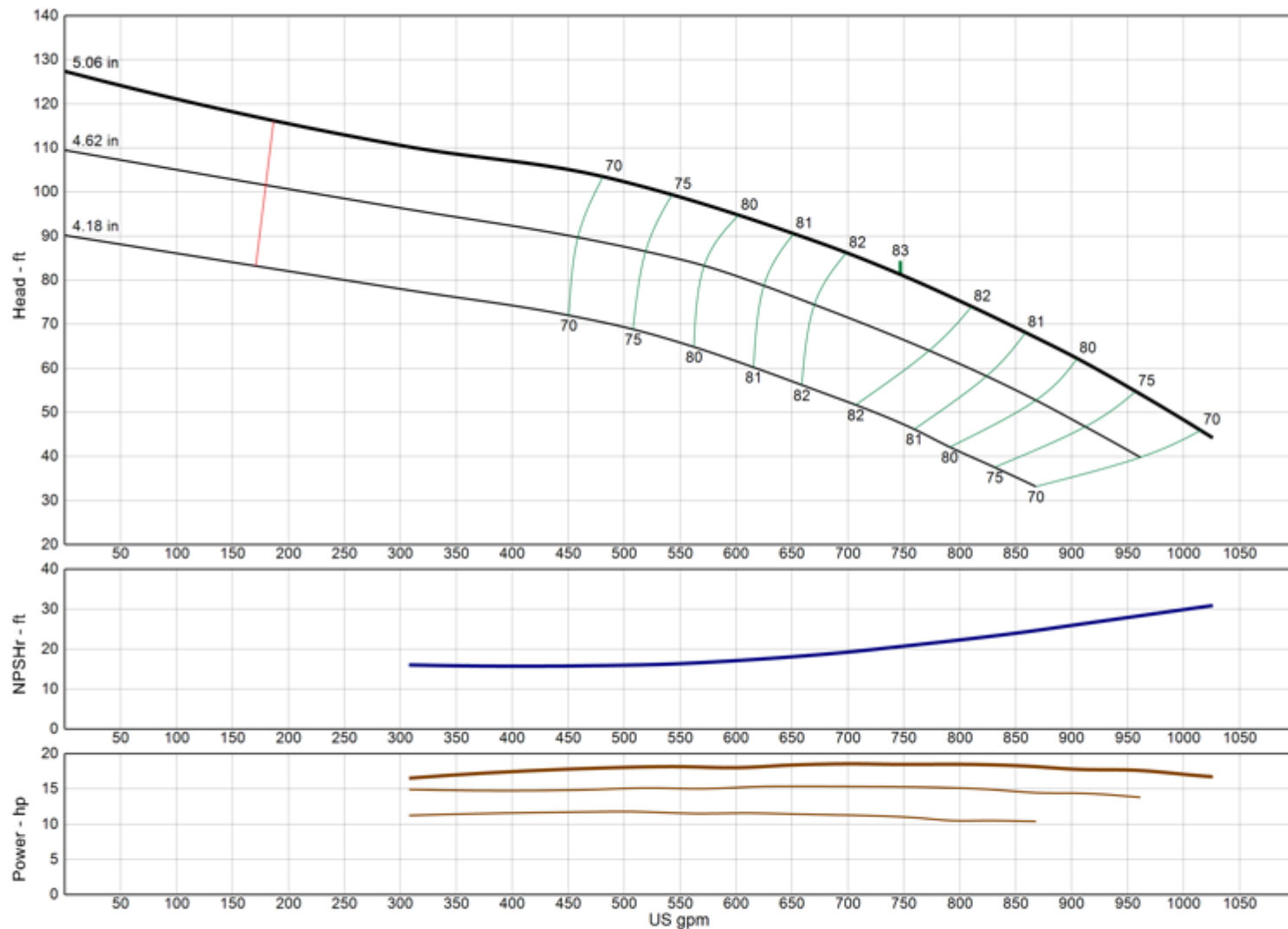
Lubbock, Texas

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MODEL 8FDLO

(Effective July 17, 2019)

Vertical Turbine Pump



Model	8FDLO
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-3.0
2-STAGE	-1.5
3-STAGE	-1.0
4-STAGE	0.0
Impeller Type	Open
Ns	3575
Thrust K-Factor	9.90 lb/ft
Bowl OD	7.50 in
Bowl Lateral	0.56 in
Max PSI	410 psi
Thd Disch Size	4", 5", 6"

TURBINE OPERATIONS

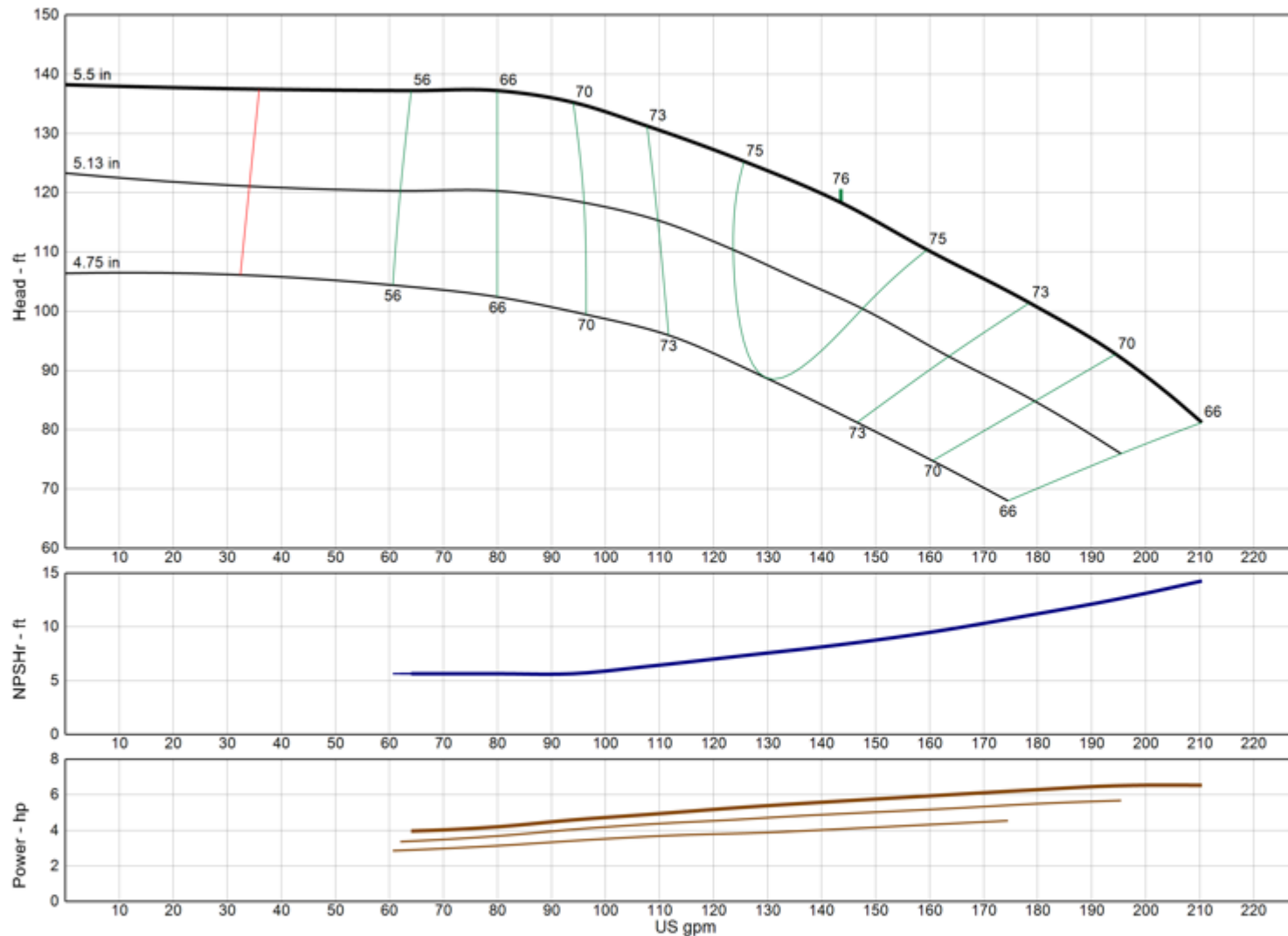
Lubbock, Texas

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MODEL 8RAHC

(Effective July 17, 2019)

Vertical Turbine Pump



Model	8RAHC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-4.0
2-STAGE	-2.0
3-STAGE	-1.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	1180
Thrust K-Factor	2.00 lb/ft
Bowl OD	7.50 in
Bowl Lateral	0.25 in
Max PSI	410 psi
Thd Disch Size	4", 5", 6"

TURBINE OPERATIONS

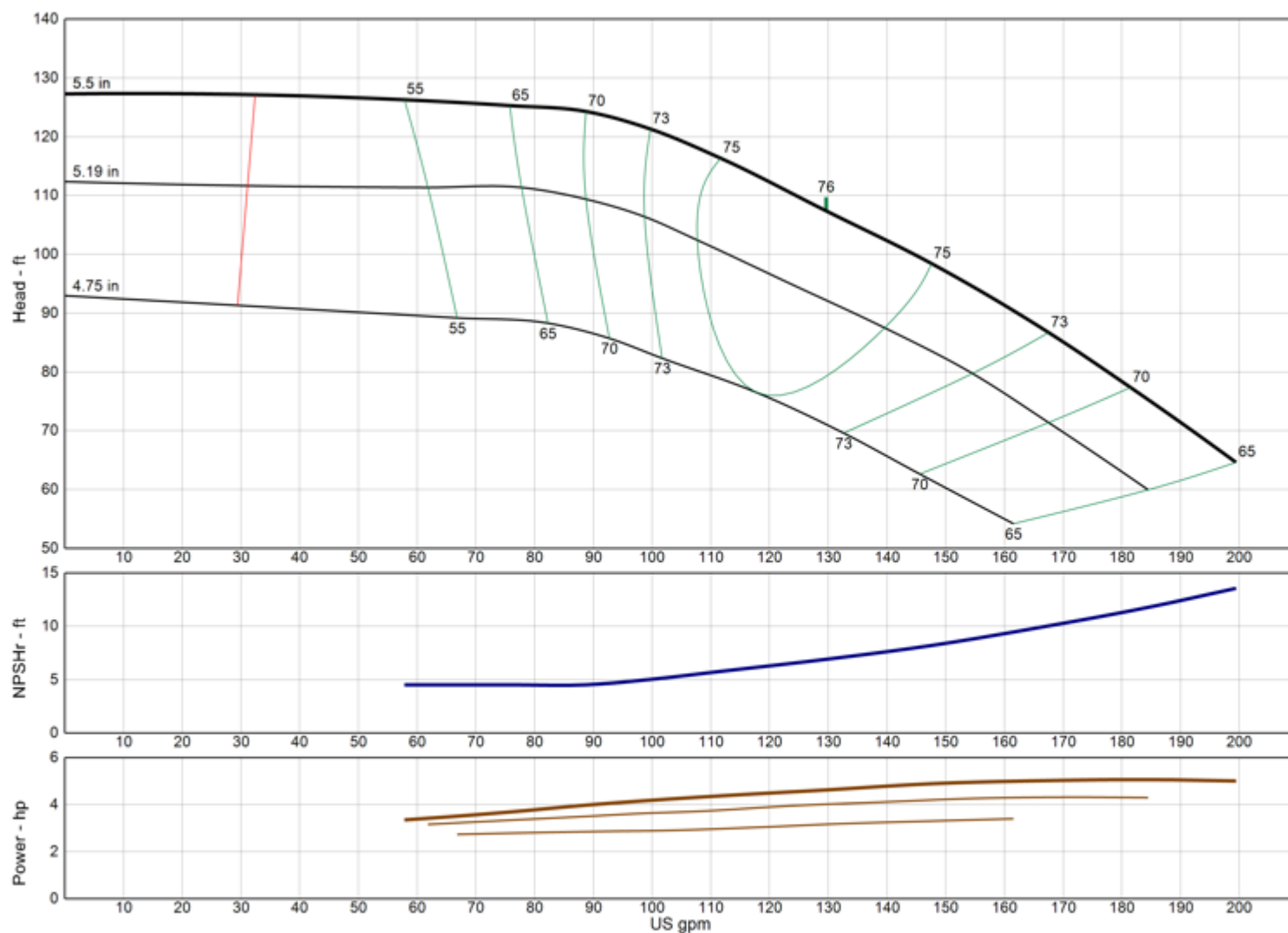
Lubbock, Texas

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MODEL 8RALC

(Effective July 17, 2019)

Vertical Turbine Pump



Model	8RALC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-4.0
2-STAGE	-2.0
3-STAGE	-1.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	1210
Thrust K-Factor	2.00 lb/ft
Bowl OD	7.50 in
Bowl Lateral	0.25 in
Max PSI	410 psi
Thd Disch Size	4", 5", 6"

TURBINE OPERATIONS

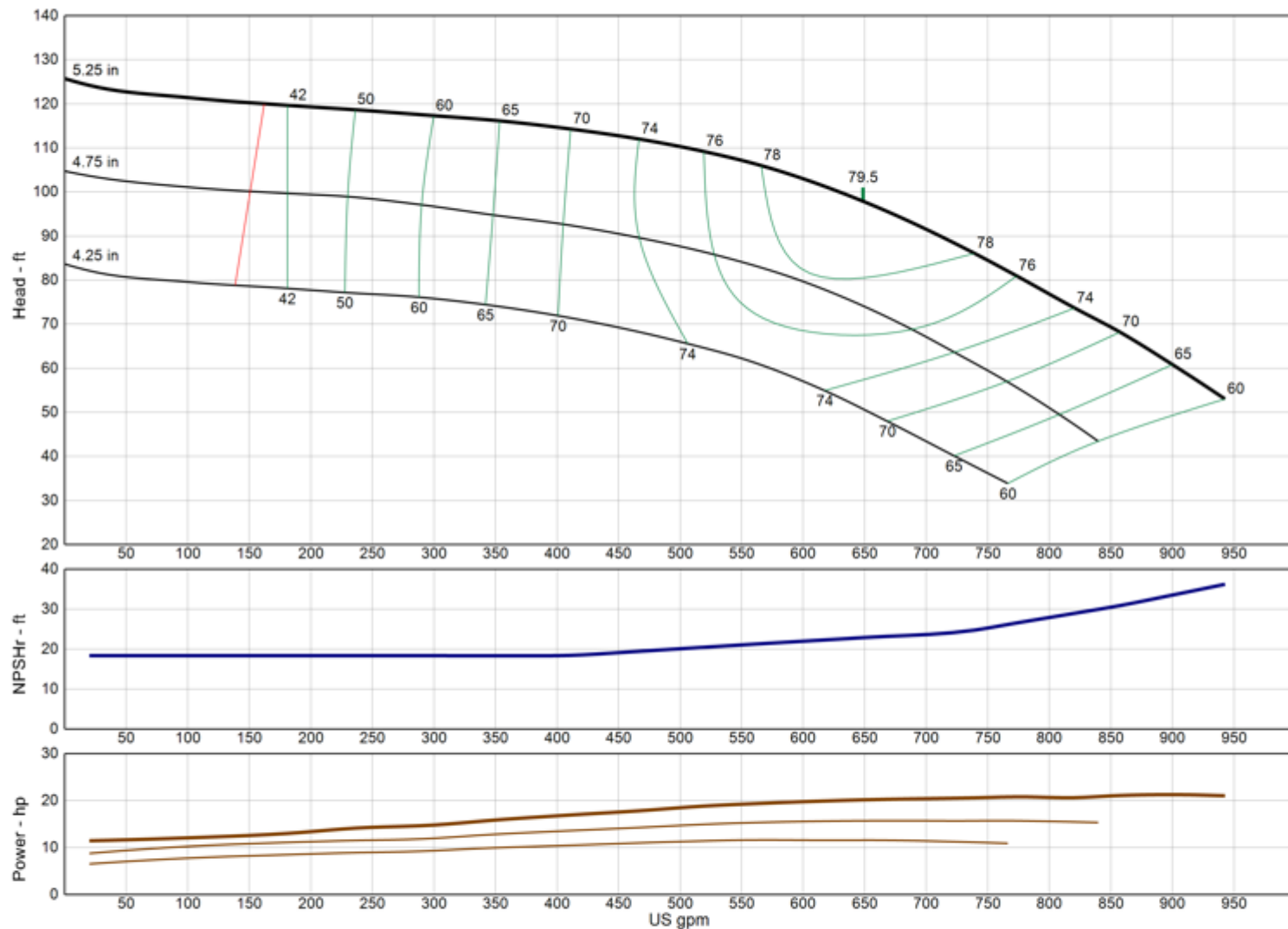
Lubbock, Texas

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MODEL 8RJHC

(Effective July 17, 2019)

Vertical Turbine Pump



Model	8RJHC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	0.0
2-STAGE	0.0
3-STAGE	0.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	2895
Thrust K-Factor	4.00 lb/ft
Bowl OD	7.50 in
Bowl Lateral	0.63 in
Max PSI	410 psi
Thd Disch Size	4", 5", 6"

TURBINE OPERATIONS

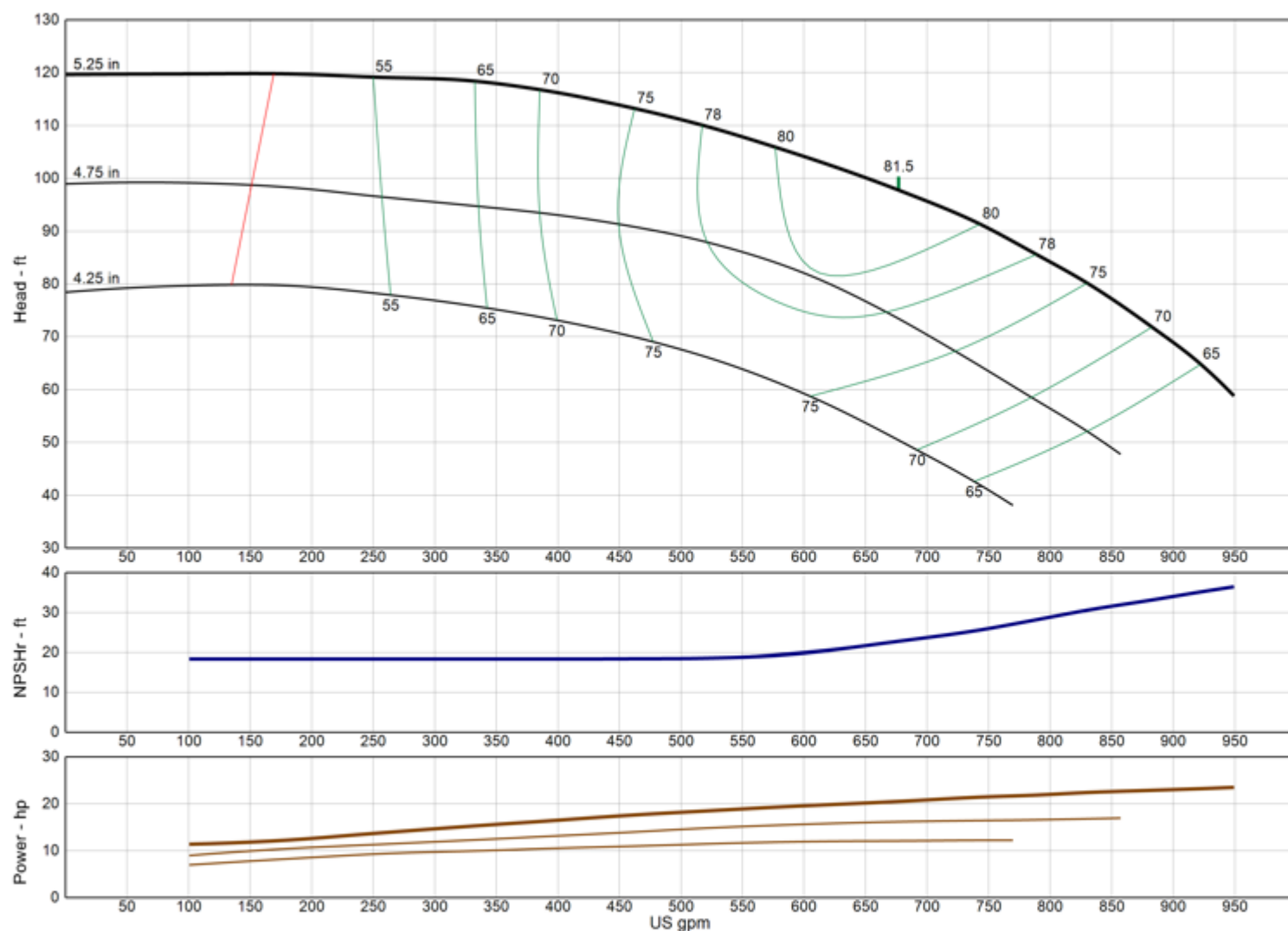
Lubbock, Texas

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MODEL 8RJHO

(Effective July 17, 2019)

Vertical Turbine Pump



Model	8RJHO
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	0.0
2-STAGE	0.0
3-STAGE	0.0
4-STAGE	0.0
Impeller Type	Open
Ns	2960
Thrust K-Factor	5.30 lb/ft
Bowl OD	7.50 in
Bowl Lateral	0.63 in
Max PSI	410 psi
Thd Disch Size	4", 5", 6"

TURBINE OPERATIONS

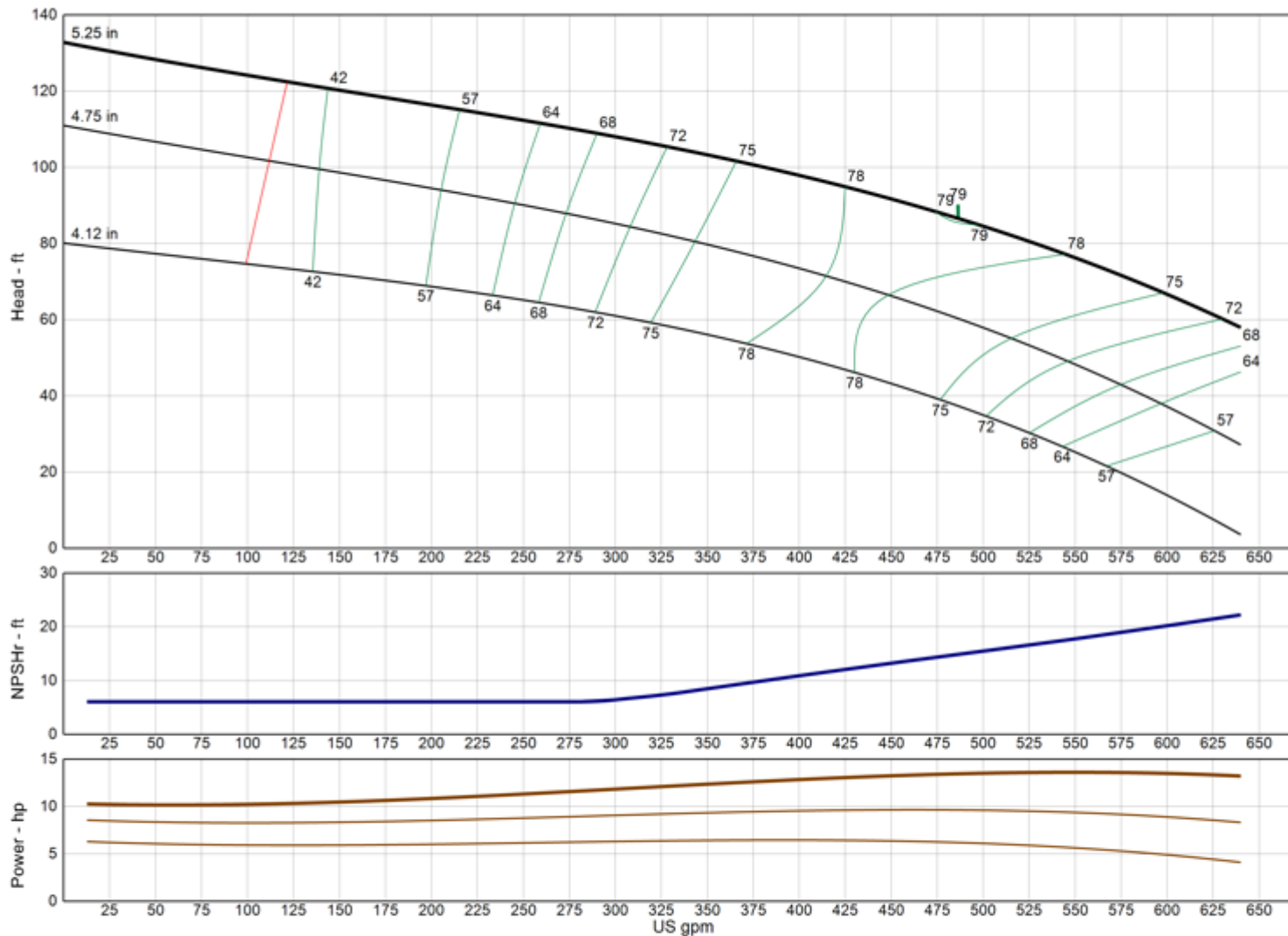
Lubbock, Texas

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MODEL 8RJLC

(Effective July 17, 2019)

Vertical Turbine Pump



Model	8RJLC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	0.0
2-STAGE	0.0
3-STAGE	0.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	2750
Thrust K-Factor	4.00 lb/ft
Bowl OD	7.50 in
Bowl Lateral	0.62 in
Max PSI	410 psi
Thd Disch Size	4", 5", 6"

TURBINE OPERATIONS

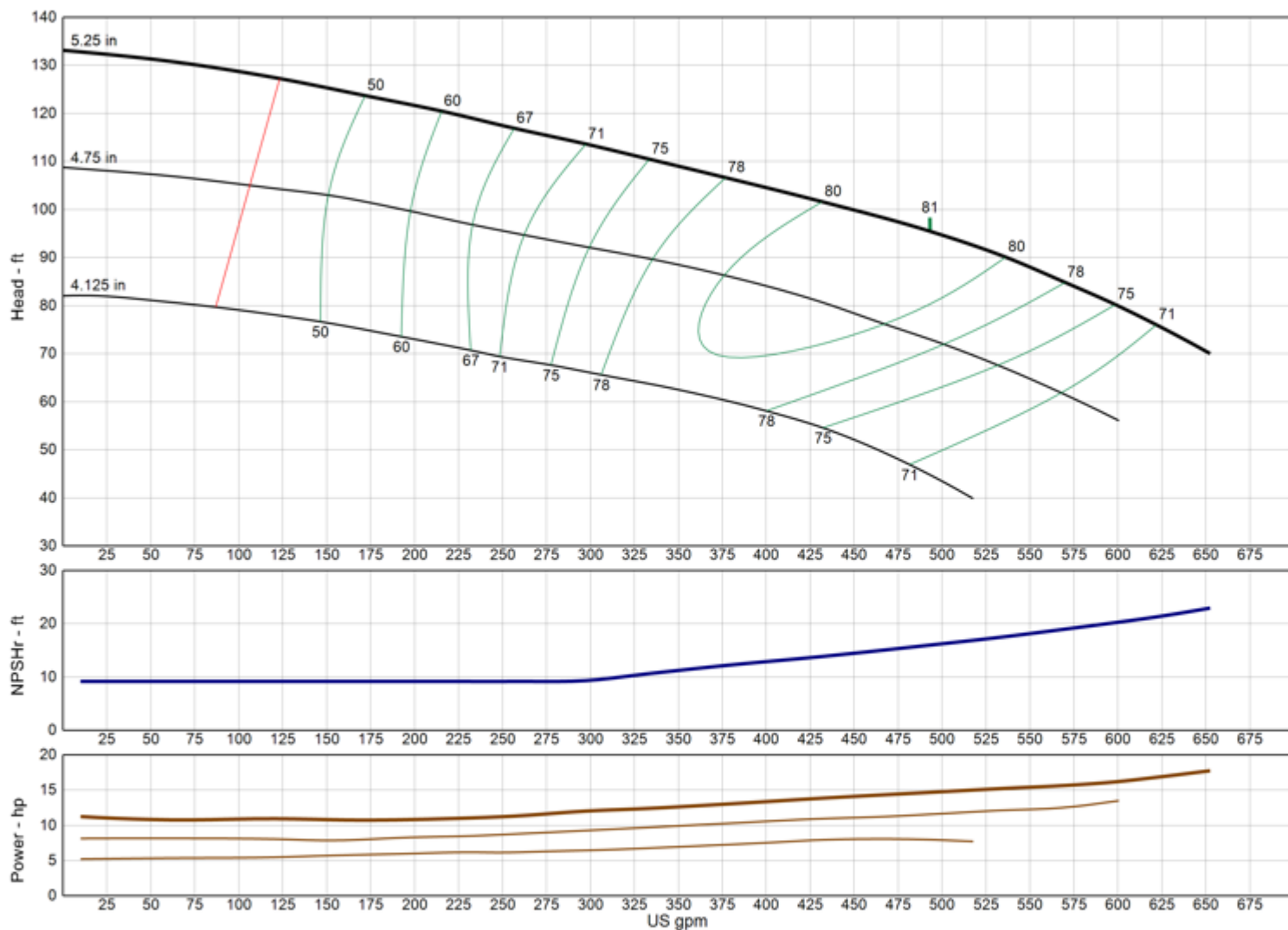
Lubbock, Texas

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MODEL 8RJLO

(Effective July 17, 2019)

Vertical Turbine Pump



Model 8RJLO

RPM 3540

Freq | Poles 60 Hz | 2-pole

Pump Type Lineshaft

EFFICIENCY CORRECTION

1-STAGE	0.0
2-STAGE	0.0
3-STAGE	0.0
4-STAGE	0.0

Impeller Type Open

Ns 2575

Thrust K-Factor 5.30 lb/ft

Bowl OD 7.50 in

Bowl Lateral 0.63 in

Max PSI 410 psi

Thd Disch Size 4", 5", 6"

TURBINE OPERATIONS

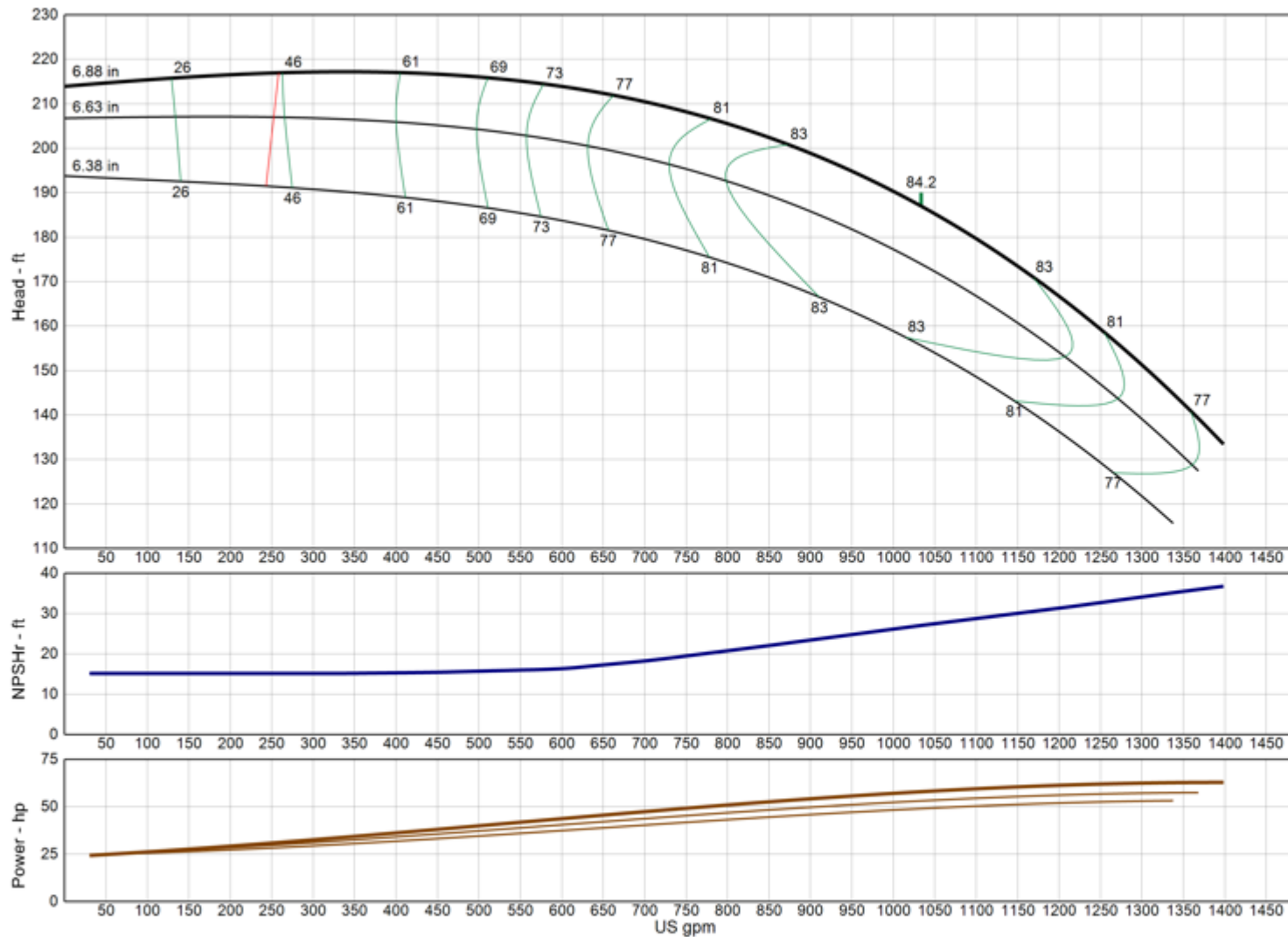
Lubbock, Texas

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MODEL 9RCHC

(Effective December 18, 2019)

Vertical Turbine Pump



Model 9RCHC

RPM 3540

Freq | Poles 60 Hz | 2-pole

Pump Type Lineshaft

EFFICIENCY CORRECTION

1-STAGE	-3.0
2-STAGE	-2.0
3-STAGE	-1.0
4-STAGE	0.0

Impeller Type Enclosed

Ns 2250

Thrust K-Factor 4.90 lb/ft

Bowl OD 9.25 in

Bowl Lateral 0.88 in

Max PSI 400 psi

Thd Disch Size 4", 5", 6", 8"

TURBINE OPERATIONS

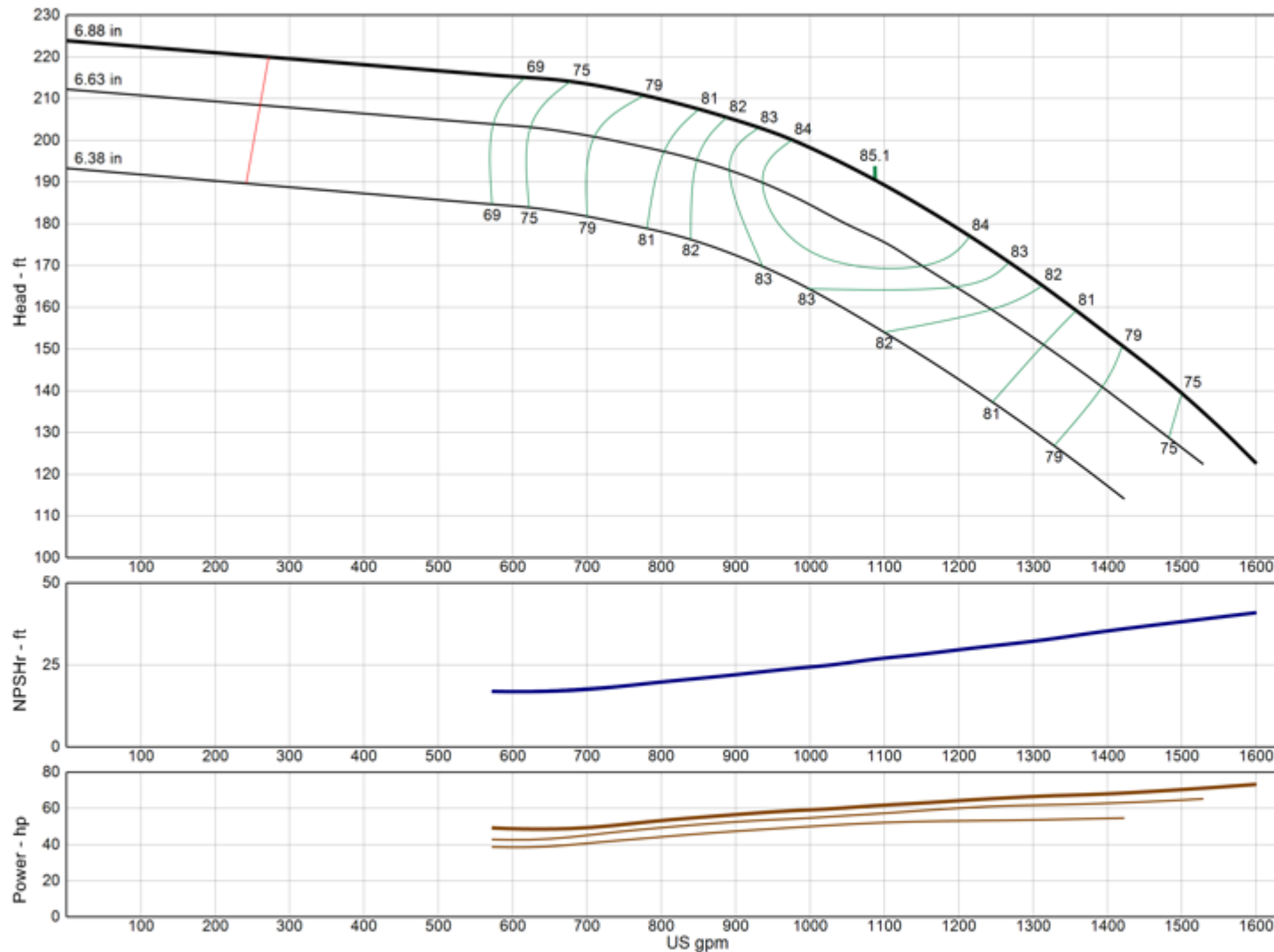
Lubbock, Texas

NOMINAL BOWL PERFORMANCE CURVE AND DATA BASED ON PUMPING CLEAR, NON-AERATED WATER AND USING STANDARD MATERIALS OF CONSTRUCTION. RATED POINT ONLY CAN BE GUARANTEED BY THE FACTORY. CURVES REPRESENT SINGLE STAGE AVERAGE PERFORMANCE BASED ON TEST OF MULTI-STAGE BOWL ASSEMBLY. EFFICIENCY CORRECTION APPLIES DIRECTLY TO EFFICIENCY (-) AND HEAD (x) FOR LESSER STAGES. ACTUAL DRIVER OPERATING SPEED SHOULD BE VERIFIED.

MODEL 9RCHO

(Effective July 17, 2019)

Vertical Turbine Pump



Model	9RCHO
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-2.0
2-STAGE	-1.0
3-STAGE	-0.5
4-STAGE	0.0
Impeller Type	Open
Ns	2275
Thrust K-Factor	7.00 lb/ft
Bowl OD	9.25 in
Bowl Lateral	0.88 in
Max PSI	400 psi
Thd Disch Size	4", 5", 6", 8"

TURBINE OPERATIONS

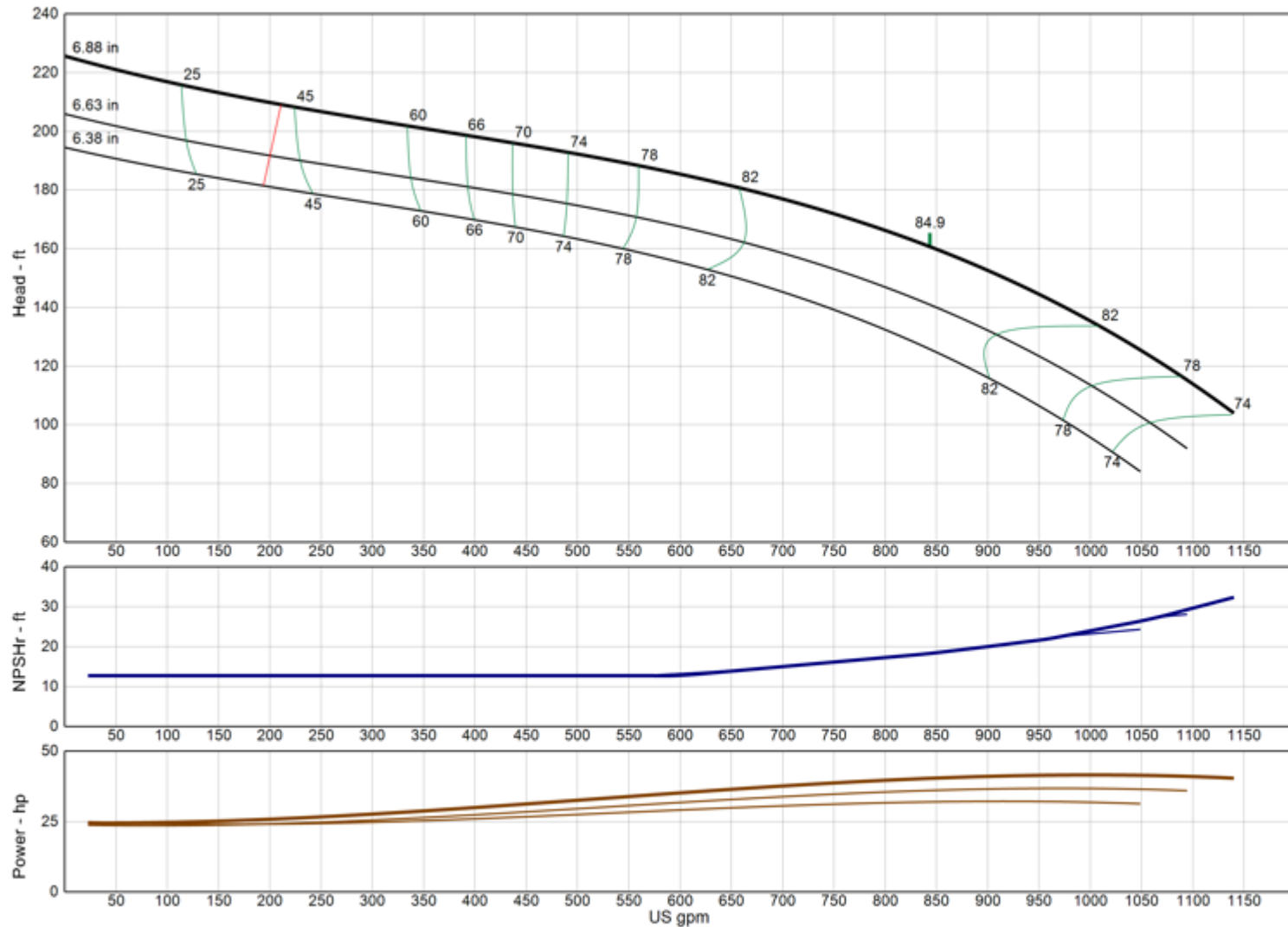
Lubbock, Texas

NOMINAL BOWL PERFORMANCE CURVE AND DATA BASED ON PUMPING CLEAR, NON-AERATED WATER AND USING STANDARD MATERIALS OF CONSTRUCTION. RATED POINT ONLY CAN BE GUARANTEED BY THE FACTORY. CURVES REPRESENT SINGLE STAGE AVERAGE PERFORMANCE BASED ON TEST OF MULTI-STAGE BOWL ASSEMBLY. EFFICIENCY CORRECTION APPLIES DIRECTLY TO EFFICIENCY (-) AND HEAD (x) FOR LESSER STAGES. ACTUAL DRIVER OPERATING SPEED SHOULD BE VERIFIED.

MODEL 9RCLC

(Effective December 18, 2019)

Vertical Turbine Pump



Model	9RCLC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-2.0
2-STAGE	-1.0
3-STAGE	-0.5
4-STAGE	0.0
Impeller Type	Enclosed
Ns	2280
Thrust K-Factor	4.90 lb/ft
Bowl OD	9.25 in
Bowl Lateral	0.88 in
Max PSI	400 psi
Thd Disch Size	4", 5", 6", 8"

TURBINE OPERATIONS

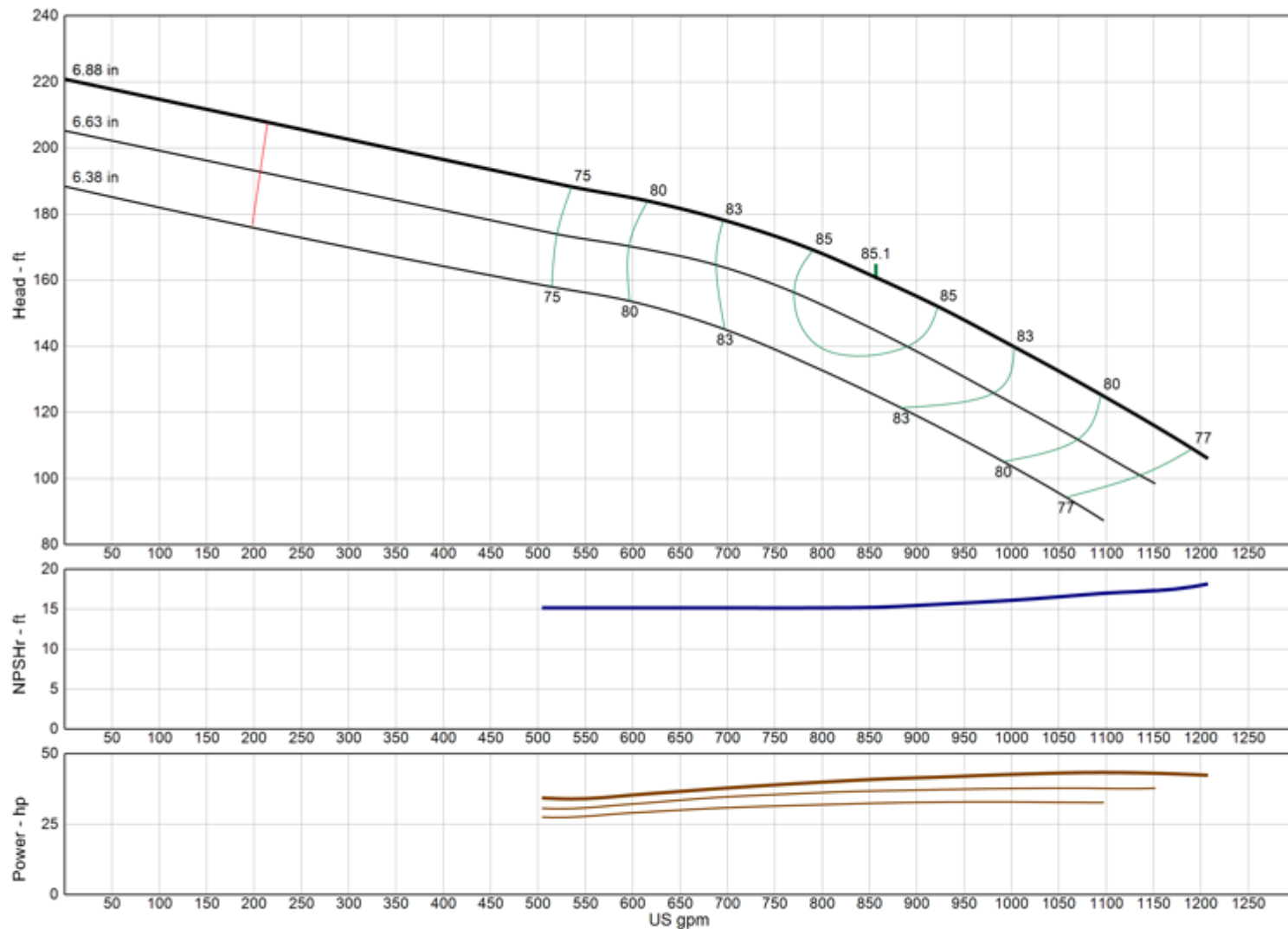
Lubbock, Texas

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MODEL 9RCLO

(Effective July 17, 2019)

Vertical Turbine Pump



Model	9RCLO
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-2.0
2-STAGE	-1.0
3-STAGE	-0.5
4-STAGE	0.0
Impeller Type	Open
Ns	2295
Thrust K-Factor	7.00 lb/ft
Bowl OD	9.25 in
Bowl Lateral	0.88 in
Max PSI	400 psi
Thd Disch Size	4", 5", 6", 8"

TURBINE OPERATIONS

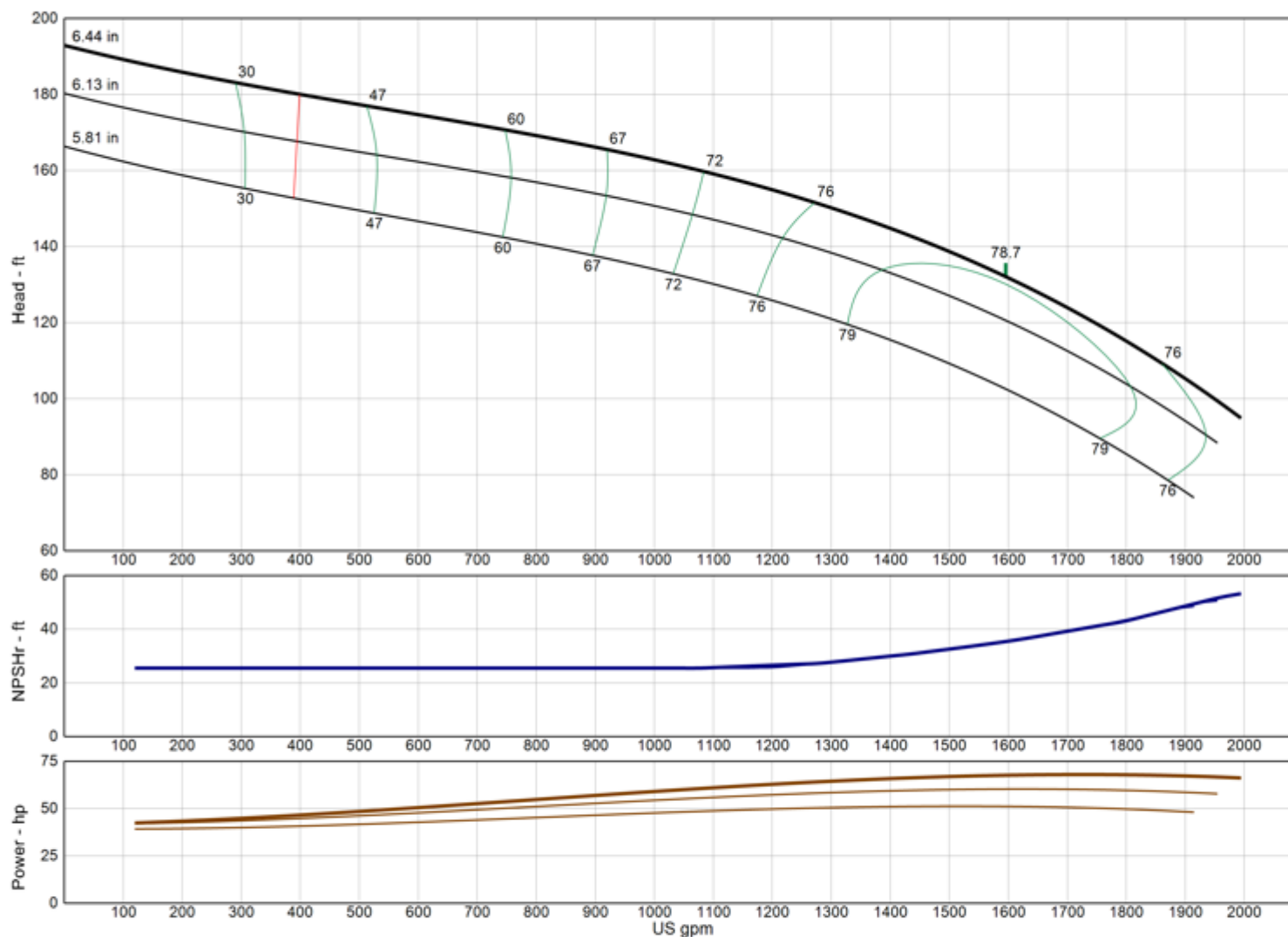
Lubbock, Texas

NOMINAL BOWL PERFORMANCE CURVE AND DATA BASED ON PUMPING CLEAR, NON-AERATED WATER AND USING STANDARD MATERIALS OF CONSTRUCTION. RATED POINT ONLY CAN BE GUARANTEED BY THE FACTORY. CURVES REPRESENT SINGLE STAGE AVERAGE PERFORMANCE BASED ON TEST OF MULTI-STAGE BOWL ASSEMBLY. EFFICIENCY CORRECTION APPLIES DIRECTLY TO EFFICIENCY (-) AND HEAD (x) FOR LESSER STAGES. ACTUAL DRIVER OPERATING SPEED SHOULD BE VERIFIED.

MODEL 9THC

(Effective May 04, 2020)

Vertical Turbine Pump



Model	9THC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-2.0
2-STAGE	-1.0
3-STAGE	0.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	3630
Thrust K-Factor	9.00 lb/ft
Bowl OD	9.25 in
Bowl Lateral	0.75 in
Max PSI	470 psi
Thd Disch Size	4", 5", 6", 8"

TURBINE OPERATIONS

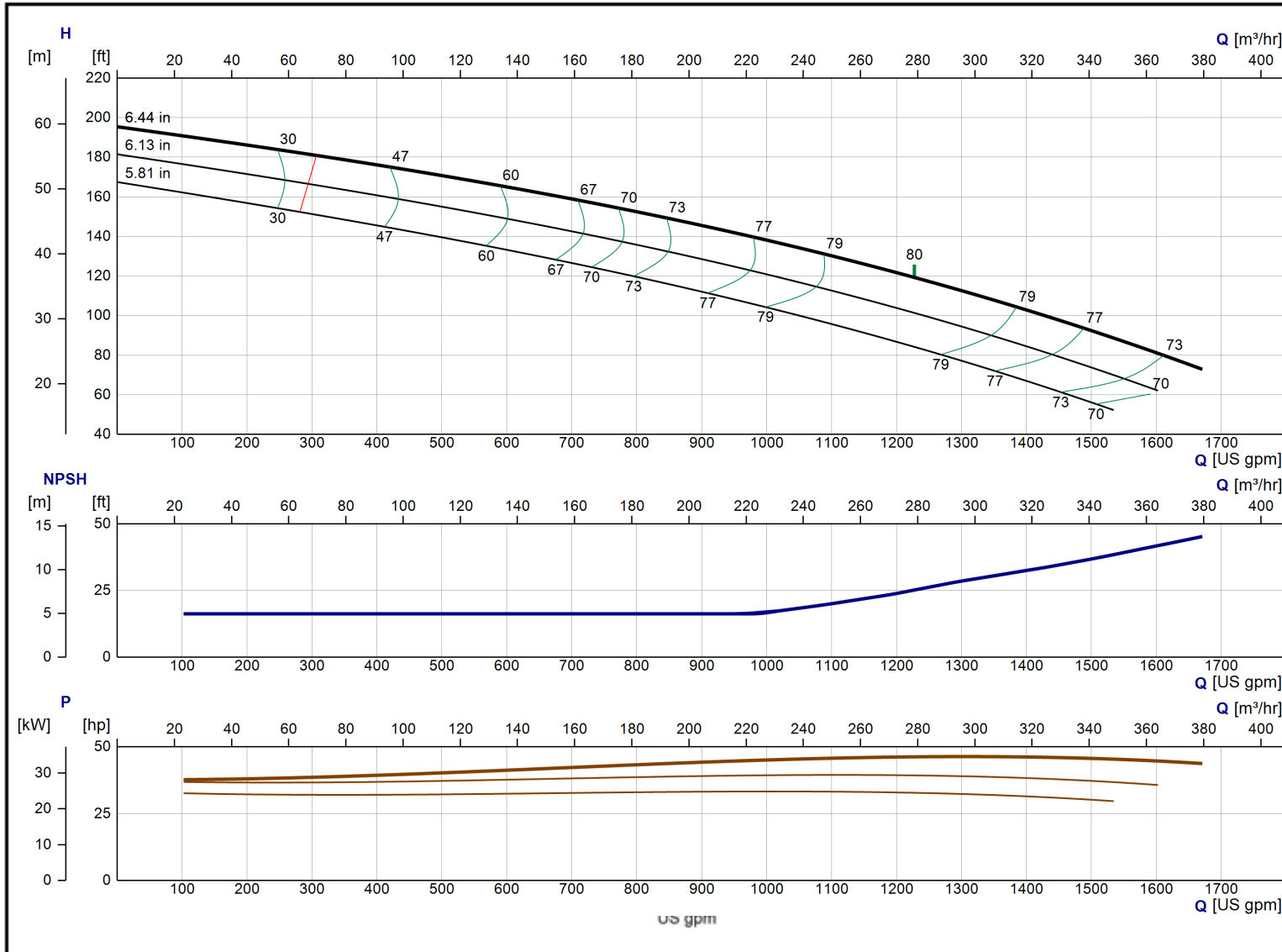
Lubbock, Texas

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MODEL 9TLC

(Effective January 11, 2022)

Vertical Turbine Pump



Model	9TLC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-2.0
2-STAGE	-1.0
3-STAGE	0.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	3715
Thrust K-Factor	9.00 lb/ft
Bowl OD	9.25 in
Bowl Lateral	0.75 in
Max PSI	470 psi
Thd Disch Size	4", 5", 6", 8"

TURBINE OPERATIONS

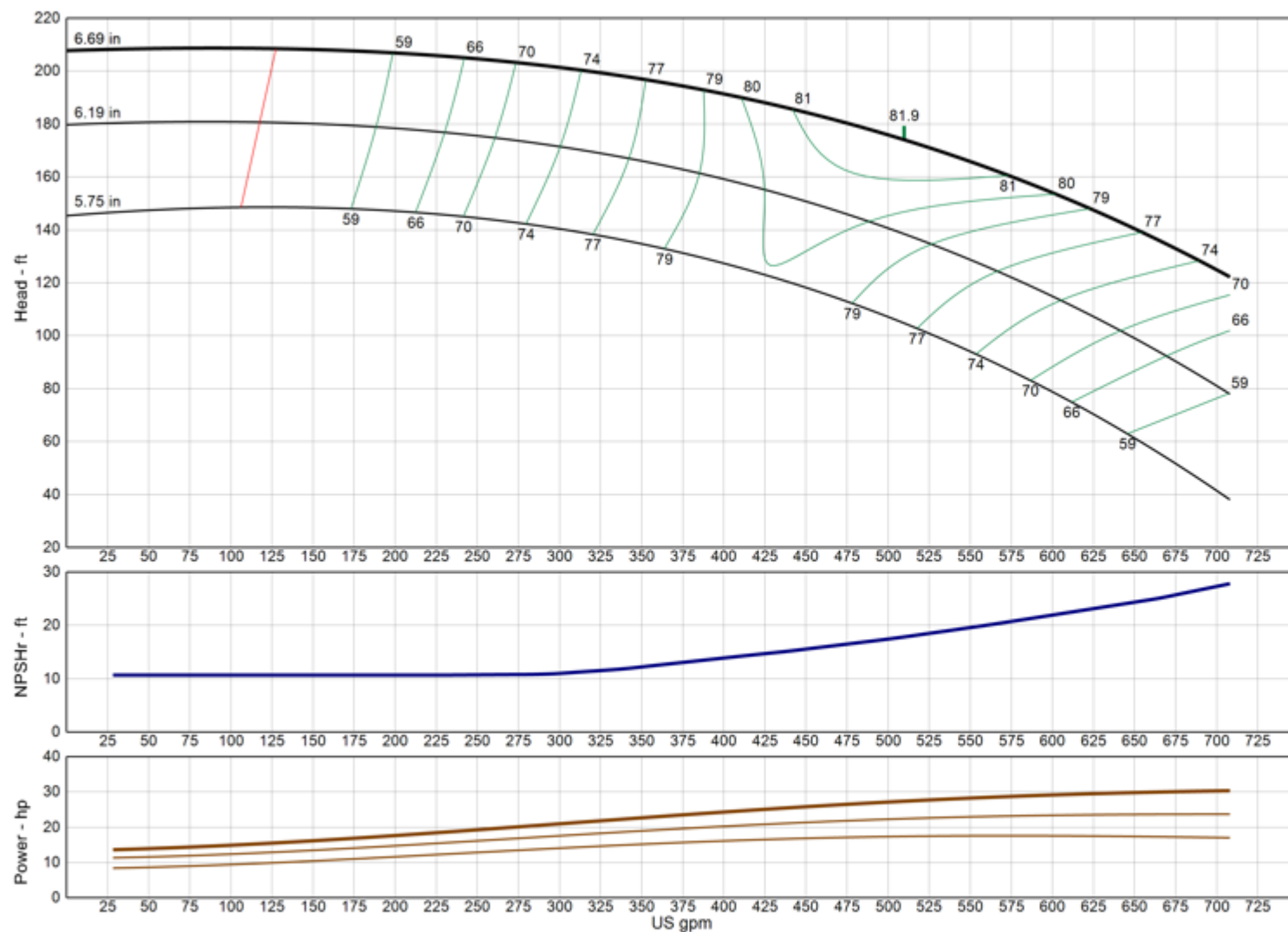
Lubbock, Texas

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MODEL 9WAHC

(Effective July 17, 2019)

Vertical Turbine Pump



Model	9WAHC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-2.0
2-STAGE	-1.0
3-STAGE	0.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	1670
Thrust K-Factor	3.75 lb/ft
Bowl OD	9.25 in
Bowl Lateral	0.56 in
Max PSI	470 psi
Thd Disch Size	4", 5", 6", 8"

TURBINE OPERATIONS

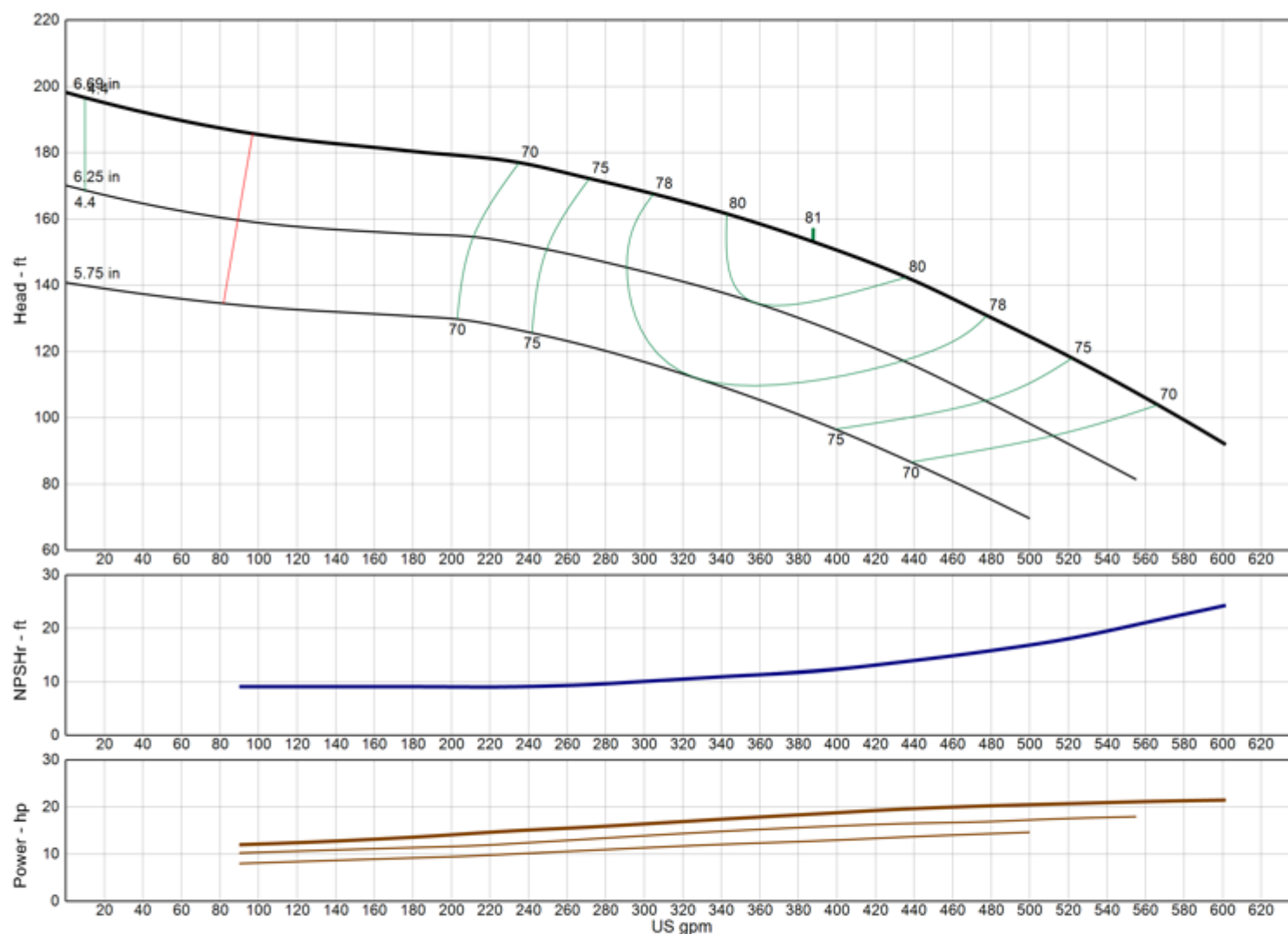
Lubbock, Texas

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MODEL 9WALC

(Effective July 17, 2019)

Vertical Turbine Pump



Model	9WALC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-2.0
2-STAGE	-1.0
3-STAGE	0.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	1600
Thrust K-Factor	3.75 lb/ft
Bowl OD	9.25 in
Bowl Lateral	0.56 in
Max PSI	470 psi
Thd Disch Size	4", 5", 6", 8"

TURBINE OPERATIONS

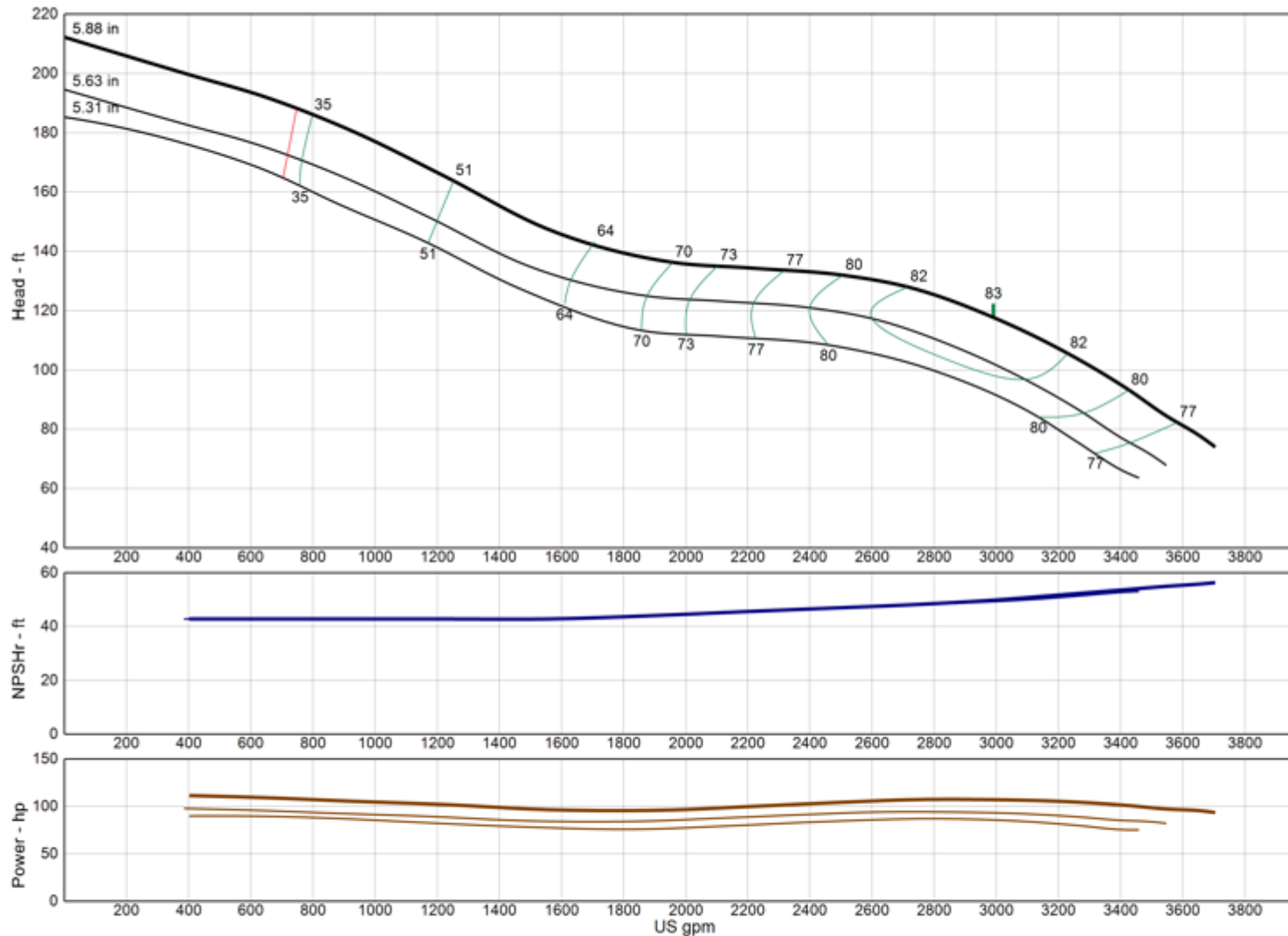
Lubbock, Texas

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MODEL 10LHC

(Effective July 17, 2019)

Vertical Turbine Pump



Model	10LHC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-2.0
2-STAGE	-1.0
3-STAGE	0.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	5415
Thrust K-Factor	14.00 lb/ft
Bowl OD	9.50 in
Bowl Lateral	0.50 in
Max PSI	360 psi
Thd Disch Size	8", 10"

TURBINE OPERATIONS

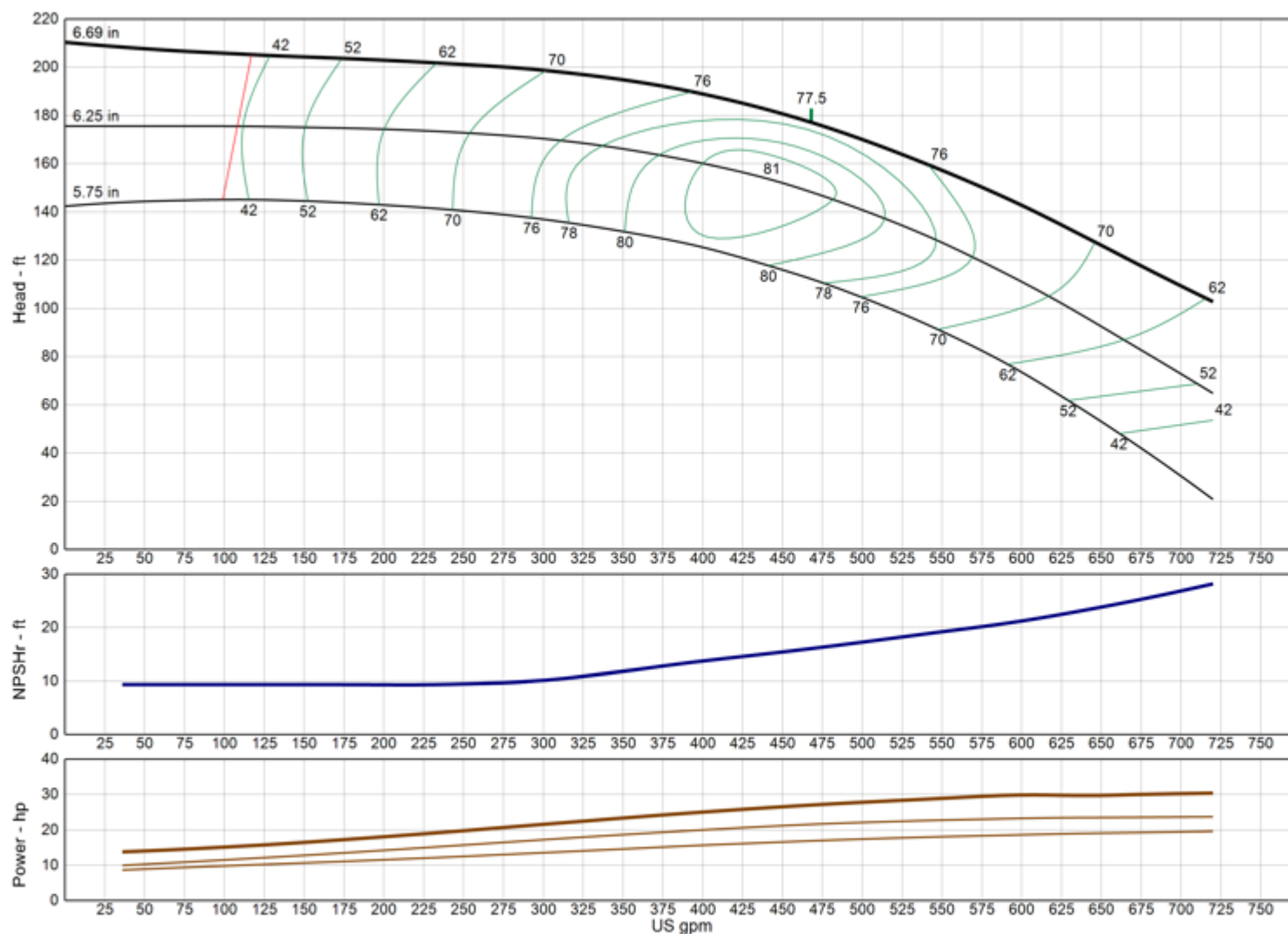
Lubbock, Texas

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MODEL 10RAHC

(Effective July 17, 2019)

Vertical Turbine Pump



Model	10RAHC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-3.0
2-STAGE	-2.0
3-STAGE	-1.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	1575
Thrust K-Factor	3.75 lb/ft
Bowl OD	9.50 in
Bowl Lateral	0.38 in
Max PSI	370 psi
Thd Disch Size	4", 5", 6", 8"

TURBINE OPERATIONS

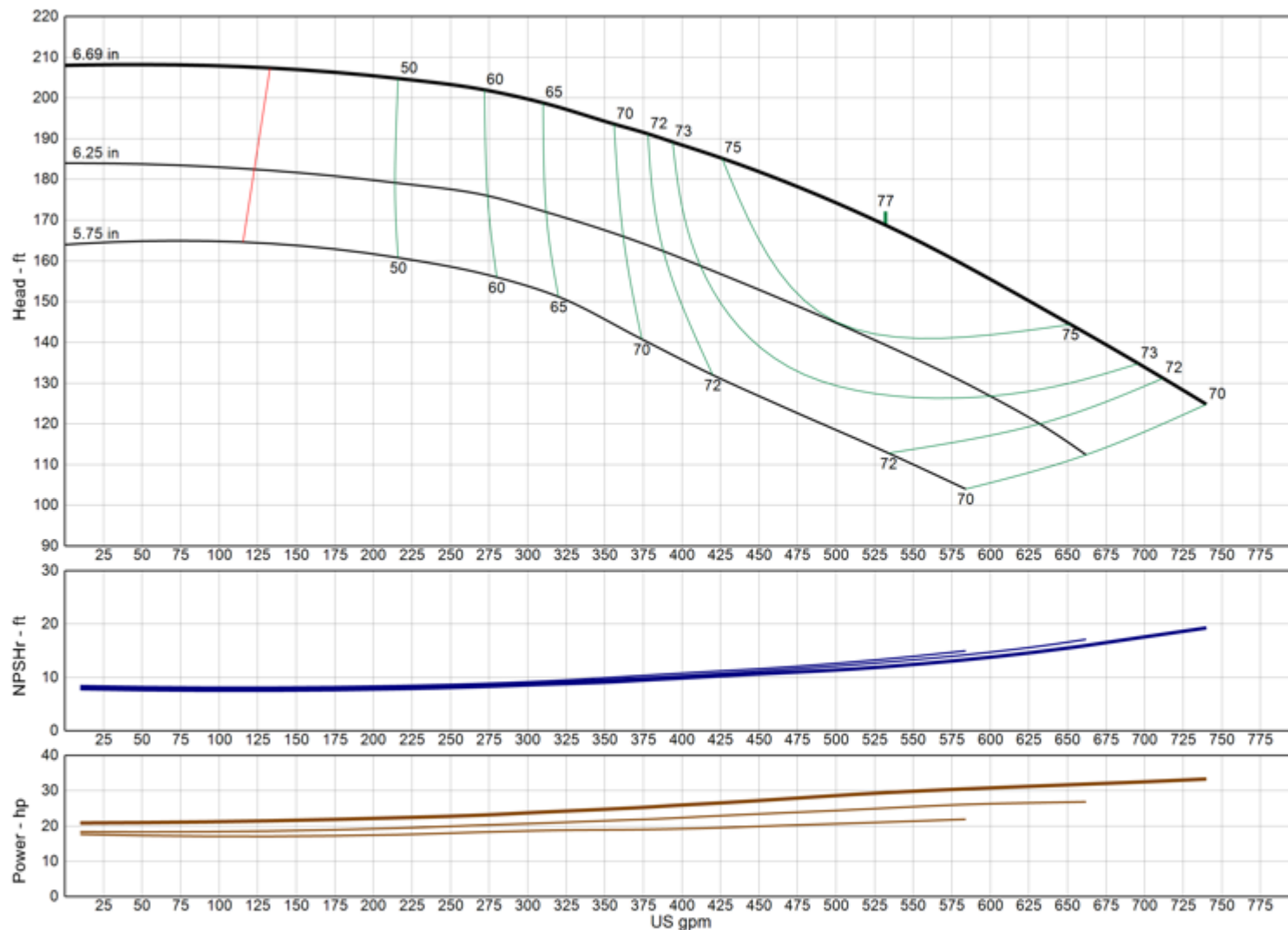
Lubbock, Texas

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MODEL 10RAHXC

(Effective July 17, 2019)

Vertical Turbine Pump



Model	10RAHXC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	0.0
2-STAGE	0.0
3-STAGE	0.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	1745
Thrust K-Factor	5.50 lb/ft
Bowl OD	9.50 in
Bowl Lateral	0.37 in
Max PSI	370 psi
Thd Disch Size	4", 5", 6", 8"

TURBINE OPERATIONS

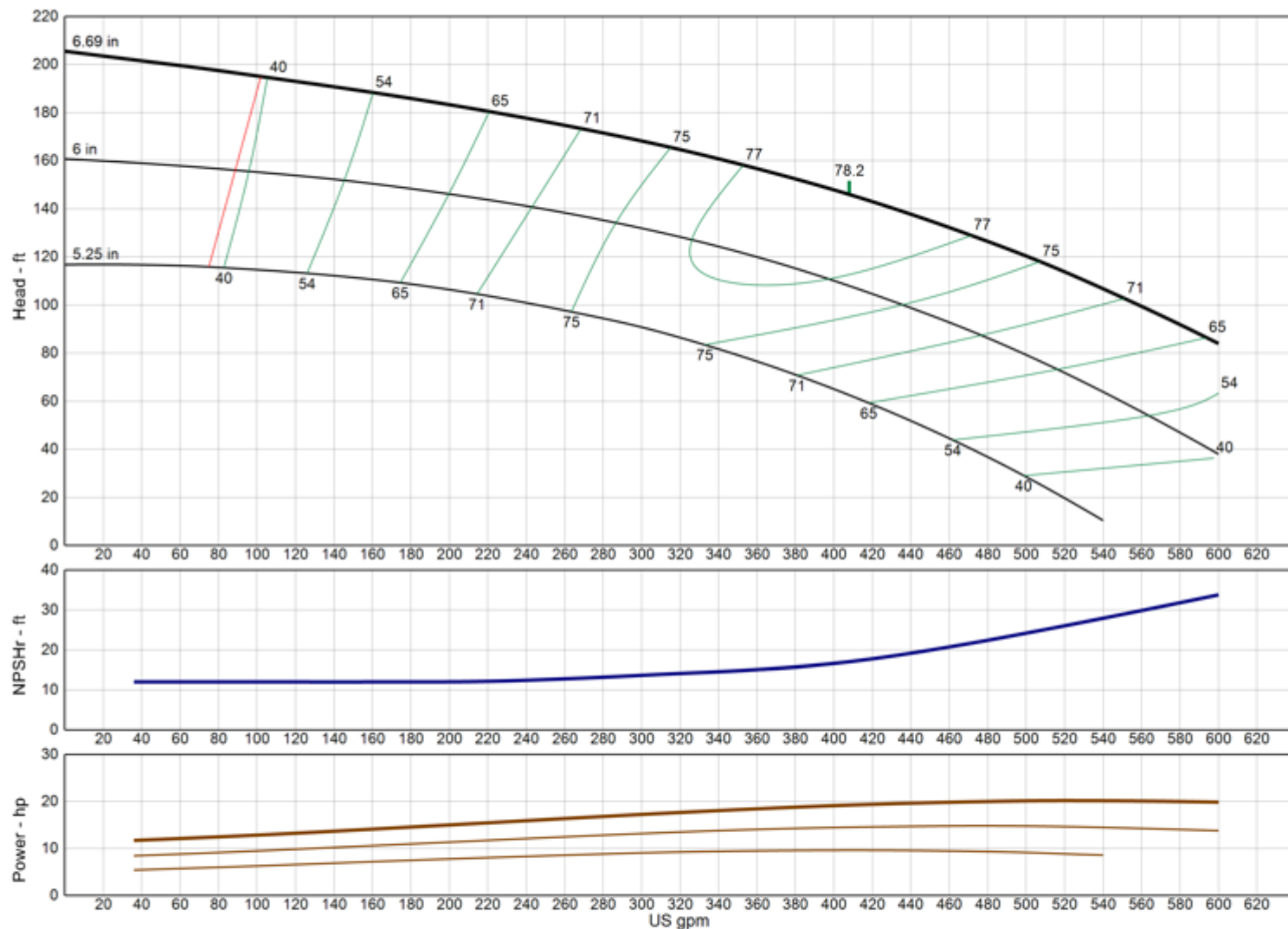
Lubbock, Texas

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MODEL 10RALC

(Effective July 17, 2019)

Vertical Turbine Pump



Model	10RALC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-3.0
2-STAGE	-2.0
3-STAGE	-1.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	1700
Thrust K-Factor	3.75 lb/ft
Bowl OD	9.50 in
Bowl Lateral	0.38 in
Max PSI	370 psi
Thd Disch Size	4", 5", 6", 8"

TURBINE OPERATIONS

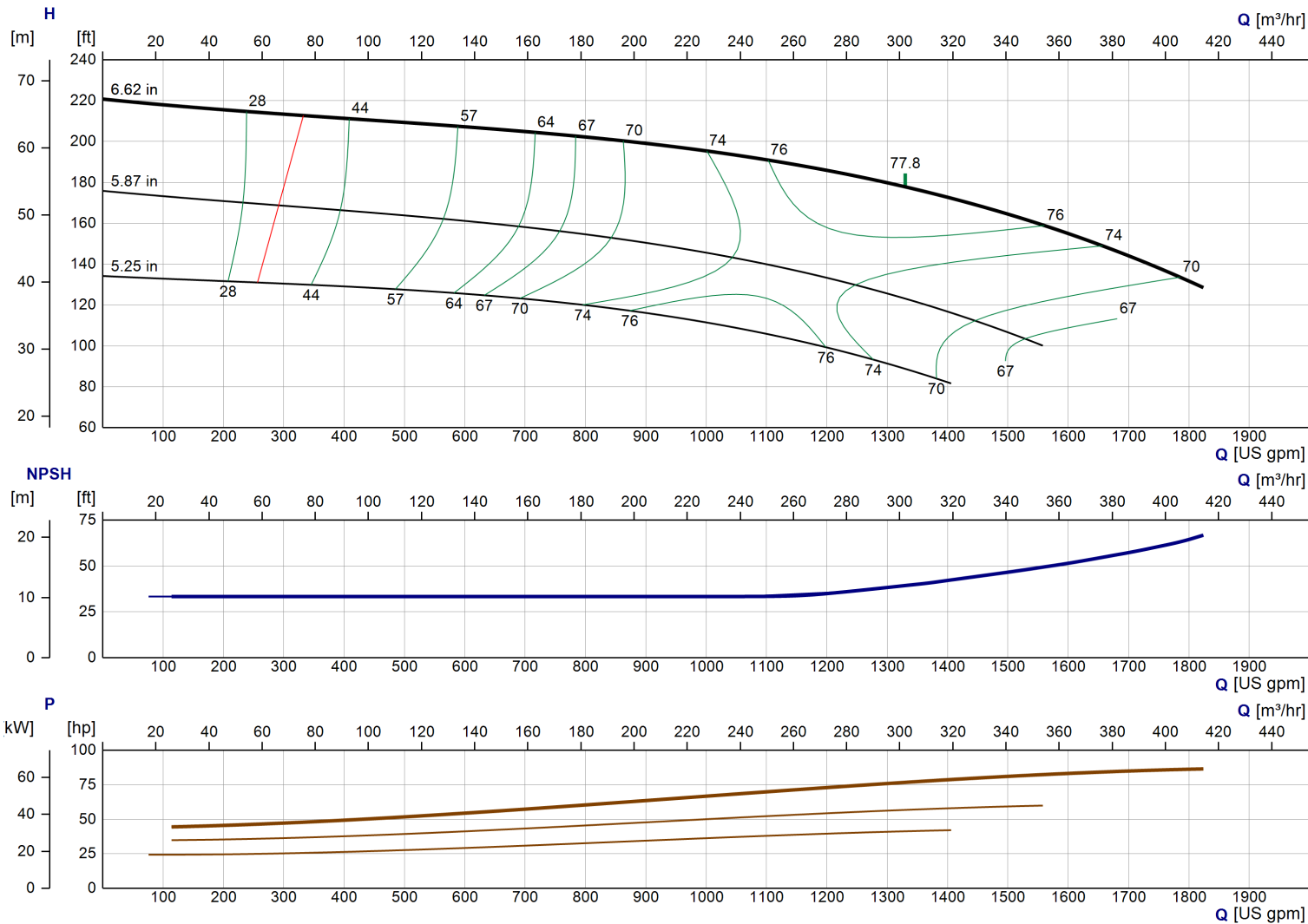
Lubbock, Texas

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MODEL 10RJHC

(Effective January 11, 2022)

Vertical Turbine Pump



Model	10RJHC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	0.0
2-STAGE	0.0
3-STAGE	0.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	2780
Thrust K-Factor	7.00 lb/ft
Bowl OD	9.50 in
Bowl Lateral	0.75 in
Max PSI	370 psi
Thd Disch Size	4", 5", 6", 8"

TURBINE OPERATIONS

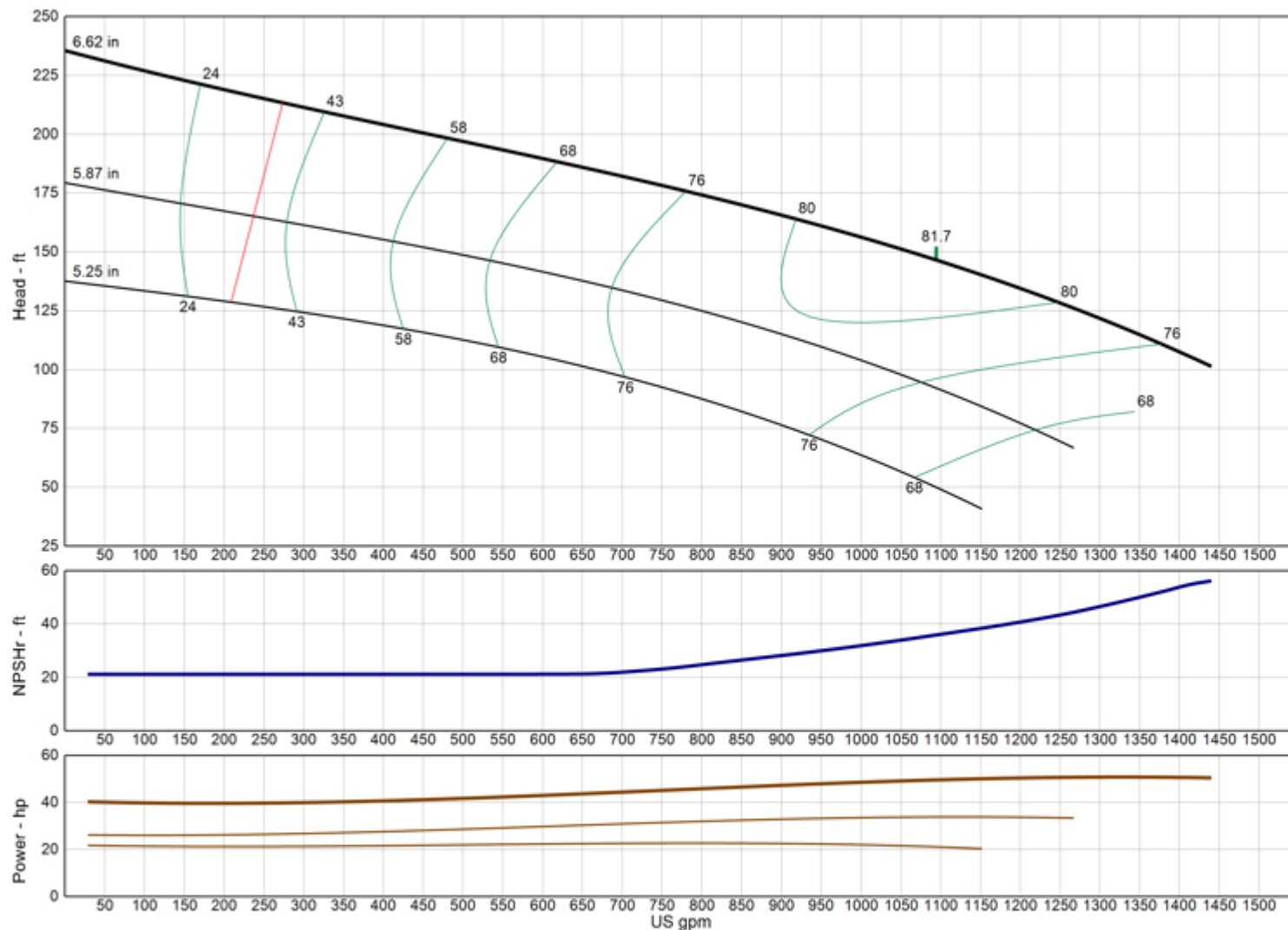
Lubbock, Texas

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MODEL 10RJLC

(Effective December 18, 2019)

Vertical Turbine Pump



Model	10RJLC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	0.0
2-STAGE	0.0
3-STAGE	0.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	2780
Thrust K-Factor	7.00 lb/ft
Bowl OD	9.50 in
Bowl Lateral	0.75 in
Max PSI	370 psi
Thd Disch Size	4", 5", 6", 8"

TURBINE OPERATIONS

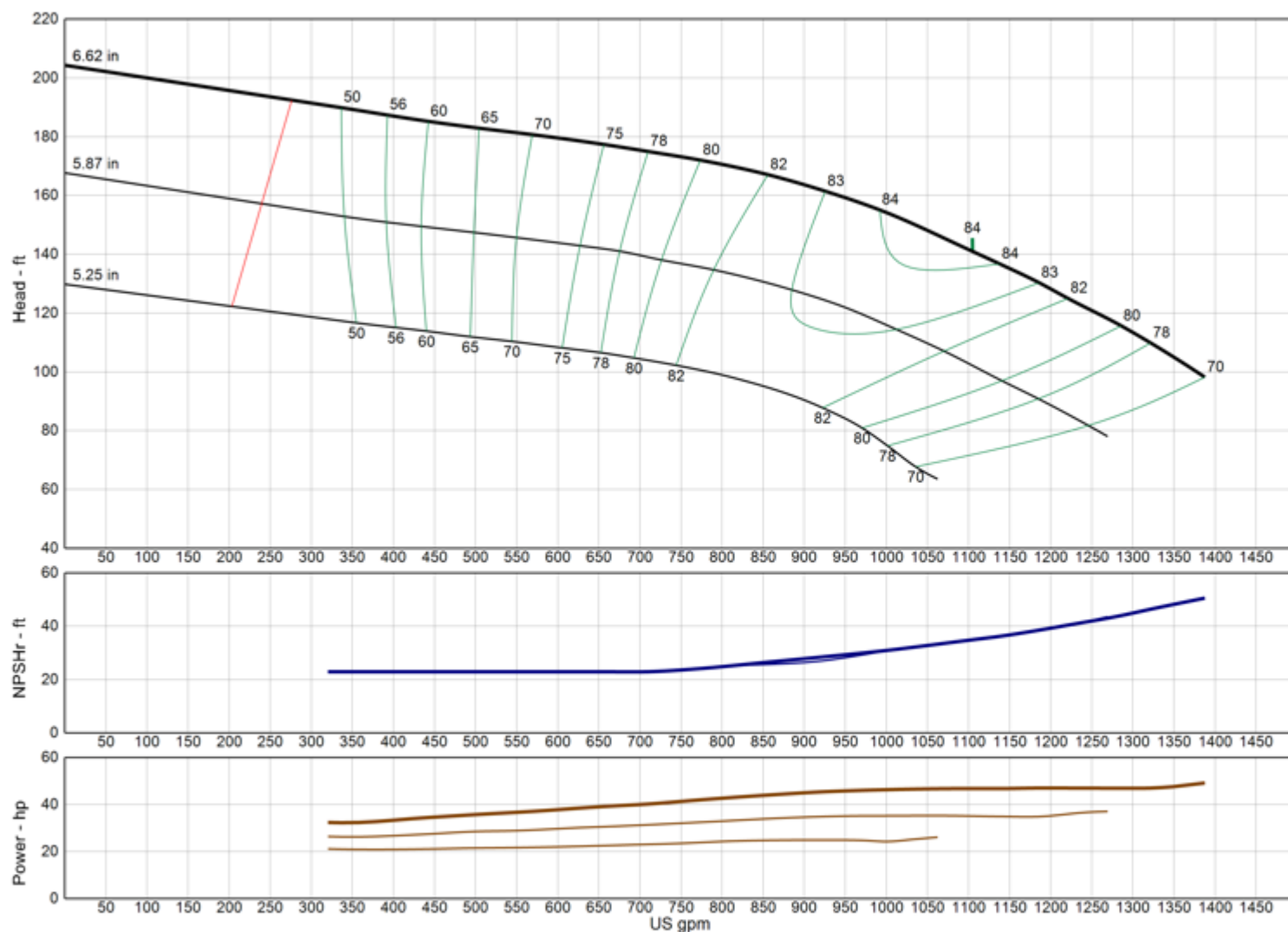
Lubbock, Texas

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MODEL 10RJLO

(Effective July 17, 2019)

Vertical Turbine Pump



Model	10RJLO
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	0.0
2-STAGE	0.0
3-STAGE	0.0
4-STAGE	0.0
Impeller Type	Open
Ns	2875
Thrust K-Factor	9.50 lb/ft
Bowl OD	9.50 in
Bowl Lateral	0.75 in
Max PSI	370 psi
Thd Disch Size	4", 5", 6", 8"

TURBINE OPERATIONS

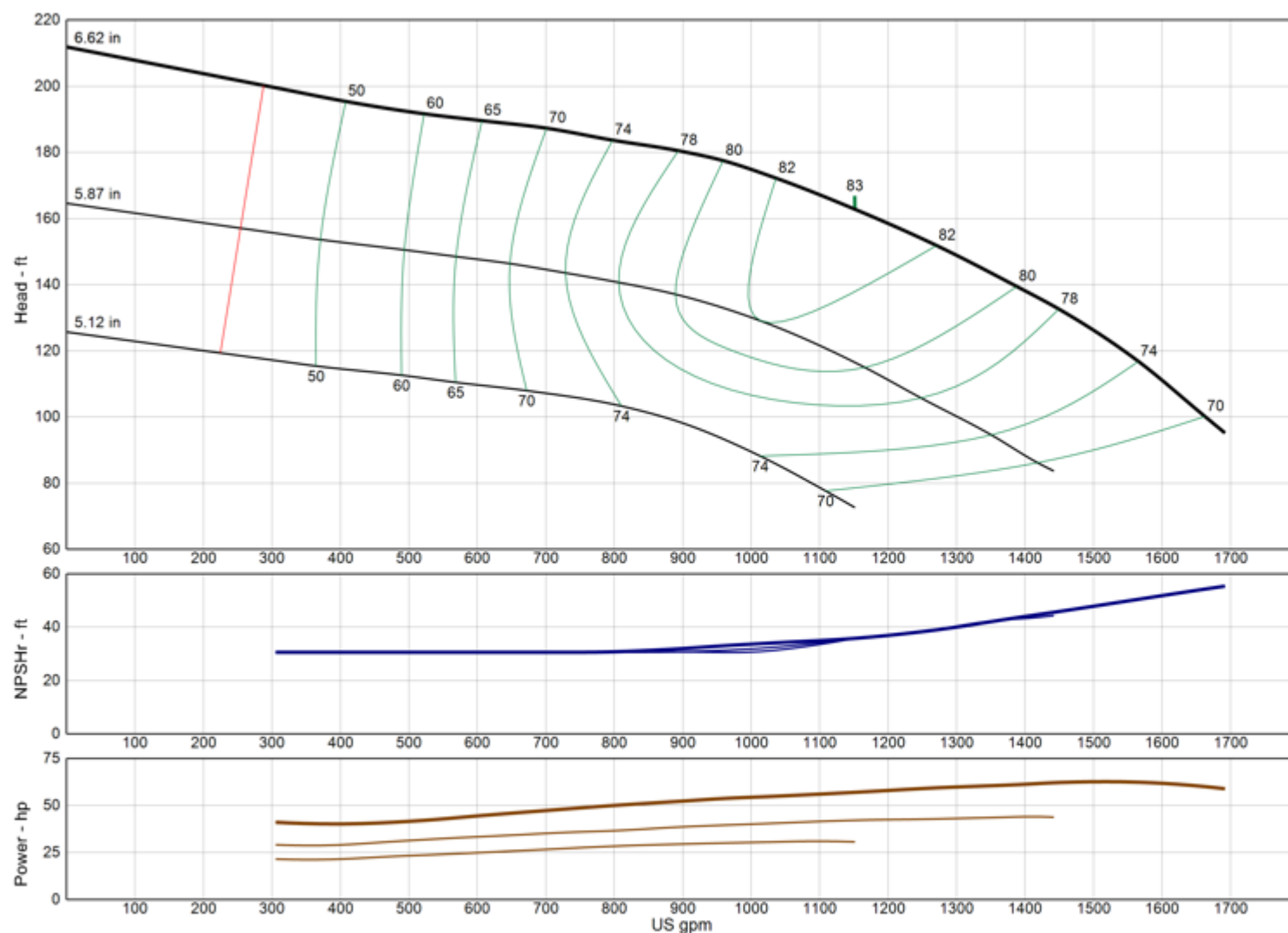
Lubbock, Texas

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MODEL 10RJMC

(Effective July 17, 2019)

Vertical Turbine Pump



Model	10RJMC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	0.0
2-STAGE	0.0
3-STAGE	0.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	2635
Thrust K-Factor	7.00 lb/ft
Bowl OD	9.50 in
Bowl Lateral	0.75 in
Max PSI	370 psi
Thd Disch Size	4", 5", 6", 8"

TURBINE OPERATIONS

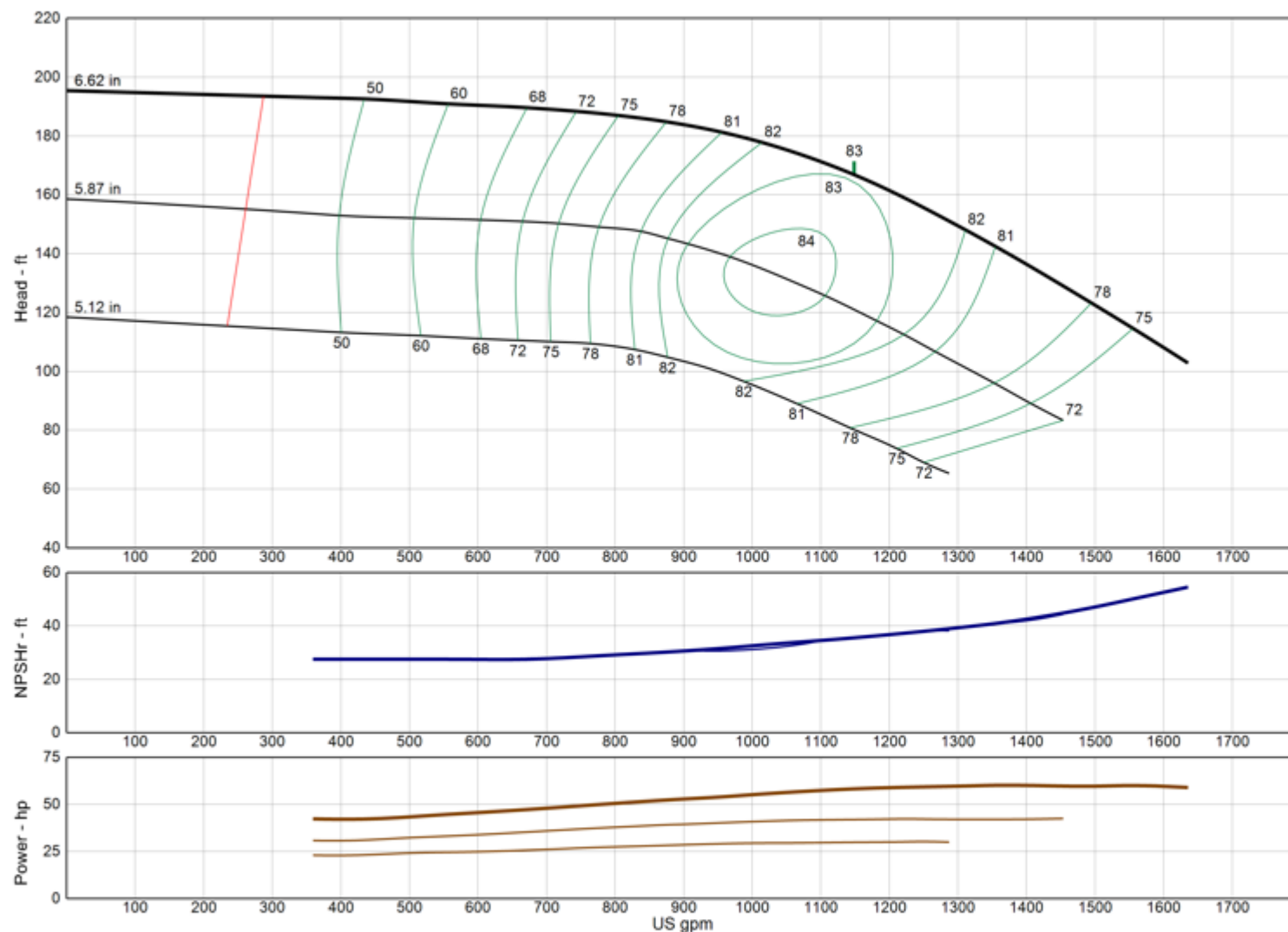
Lubbock, Texas

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MODEL 10RJMO

(Effective July 17, 2019)

Vertical Turbine Pump



Model 10RJMO

RPM 3540

Freq | Poles 60 Hz | 2-pole

Pump Type Lineshaft

EFFICIENCY CORRECTION

1-STAGE	0.0
2-STAGE	0.0
3-STAGE	0.0
4-STAGE	0.0

Impeller Type Open

Ns 2585

Thrust K-Factor 9.50 lb/ft

Bowl OD 9.50 in

Bowl Lateral 0.75 in

Max PSI 370 psi

Thd Disch Size 4", 5", 6", 8"

TURBINE OPERATIONS

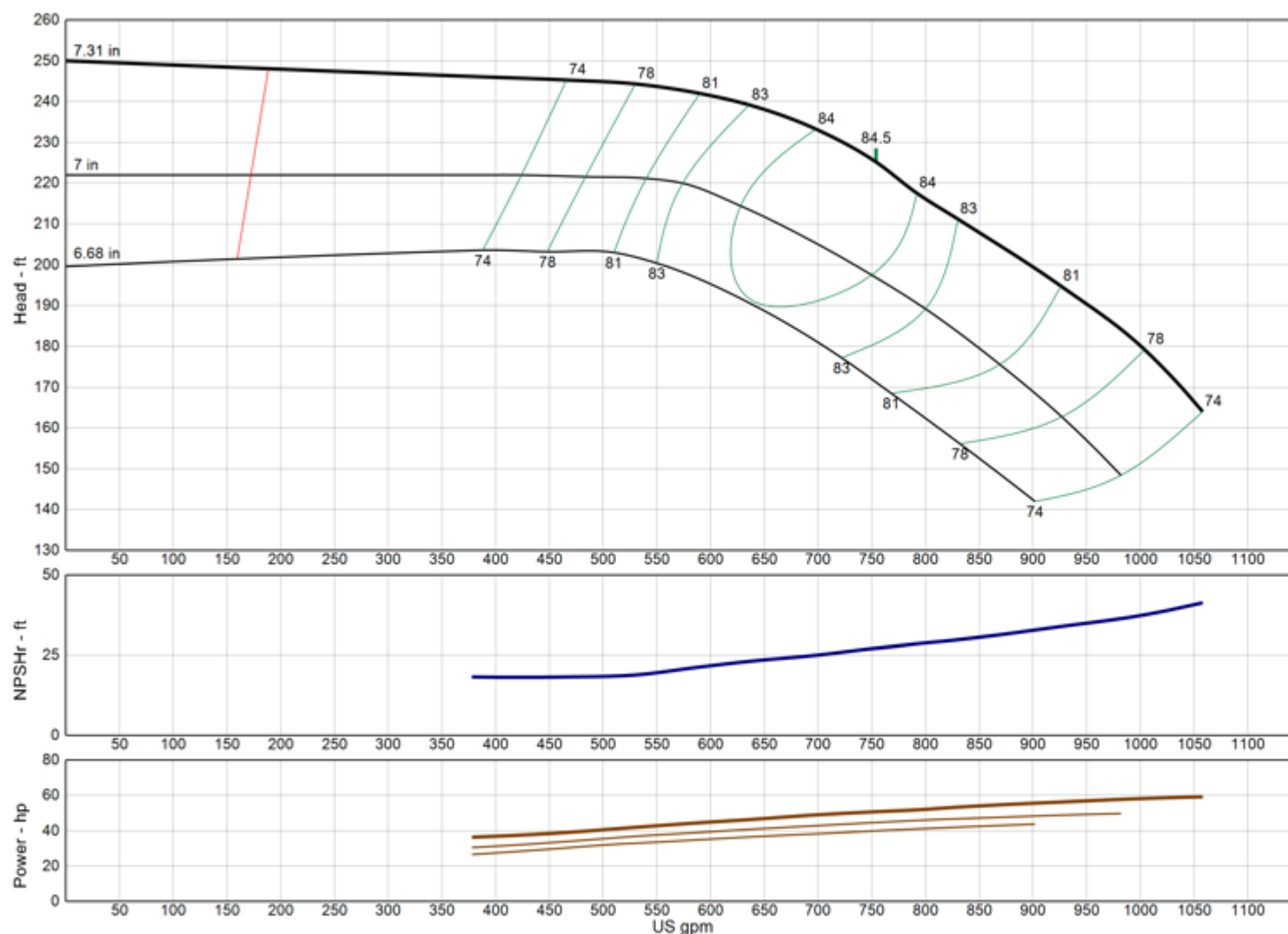
Lubbock, Texas

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MODEL 10WAHC

(Effective July 17, 2019)

Vertical Turbine Pump



Model	10WAHC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-3.0
2-STAGE	-2.0
3-STAGE	-1.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	1670
Thrust K-Factor	4.65 lb/ft
Bowl OD	9.50 in
Bowl Lateral	0.63 in
Max PSI	370 psi
Thd Disch Size	4", 5", 6", 8"

TURBINE OPERATIONS

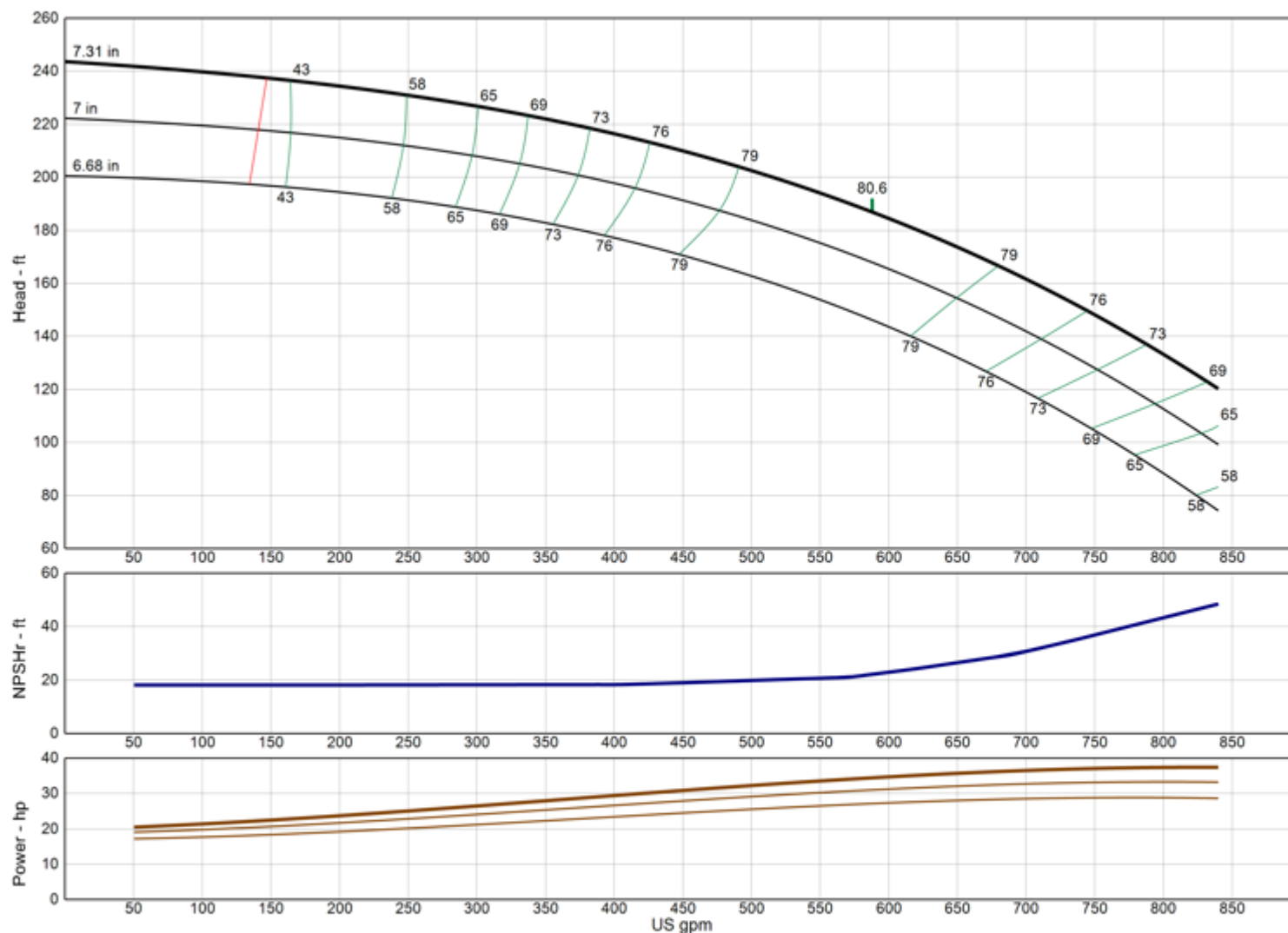
Lubbock, Texas

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MODEL 10WALC

(Effective July 17, 2019)

Vertical Turbine Pump



Model 10WALC

RPM 3540

Freq | Poles 60 Hz | 2-pole

Pump Type Lineshaft

EFFICIENCY CORRECTION

1-STAGE	-3.0
2-STAGE	-2.0
3-STAGE	-1.0
4-STAGE	0.0

Impeller Type Enclosed

Ns 1700

Thrust K-Factor 4.60 lb/ft

Bowl OD 9.50 in

Bowl Lateral 0.63 in

Max PSI 370 psi

Thd Disch Size 4", 5", 6", 8"

TURBINE OPERATIONS

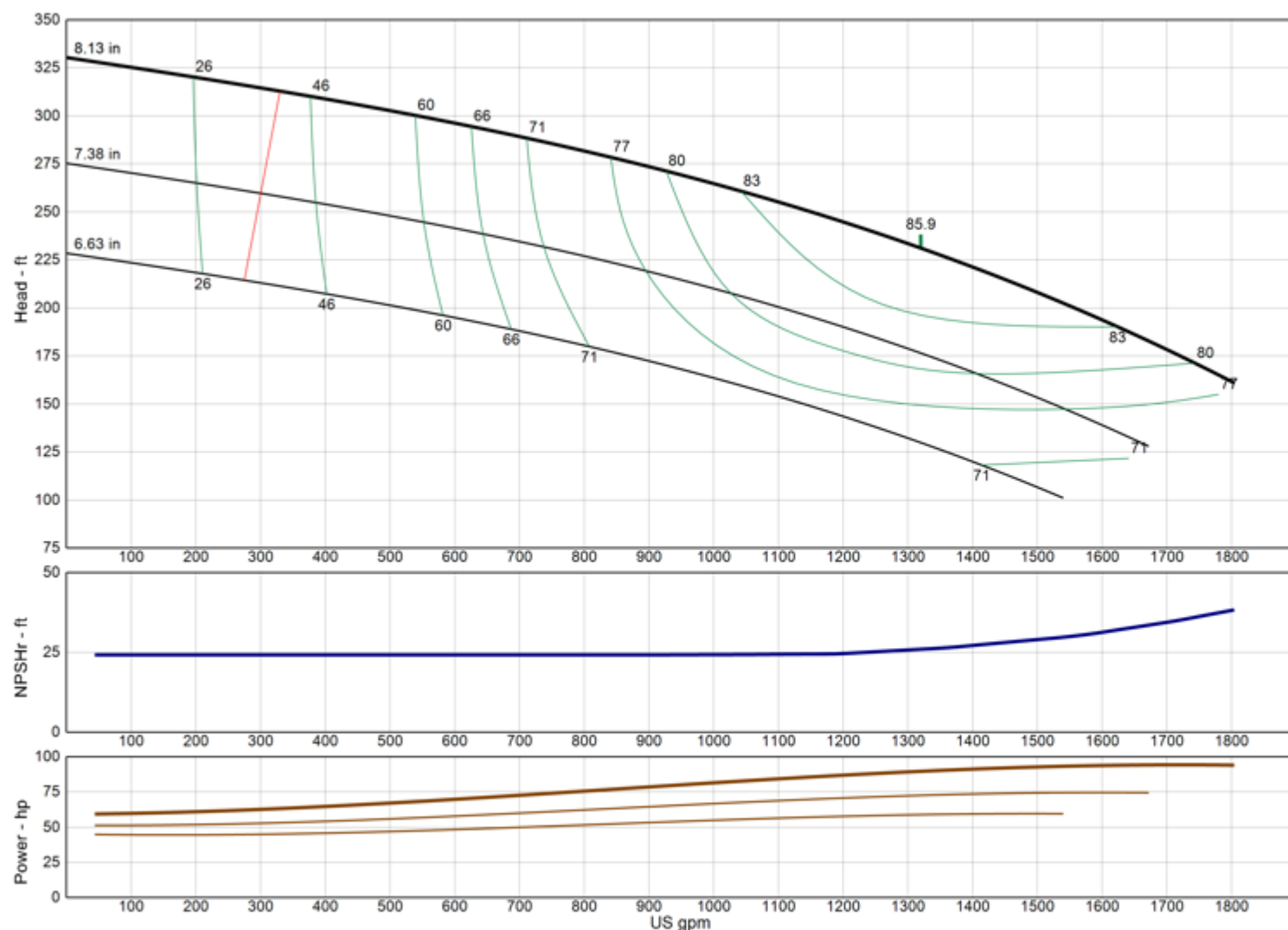
Lubbock, Texas

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MODEL 11CLC

(Effective December 18, 2019)

Vertical Turbine Pump



Model	11CLC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-3.0
2-STAGE	-2.0
3-STAGE	-1.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	2170
Thrust K-Factor	7.00 lb/ft
Bowl OD	11.00 in
Bowl Lateral	0.88 in
Max PSI	400 psi
Thd Disch Size	6", 8", 10"

TURBINE OPERATIONS

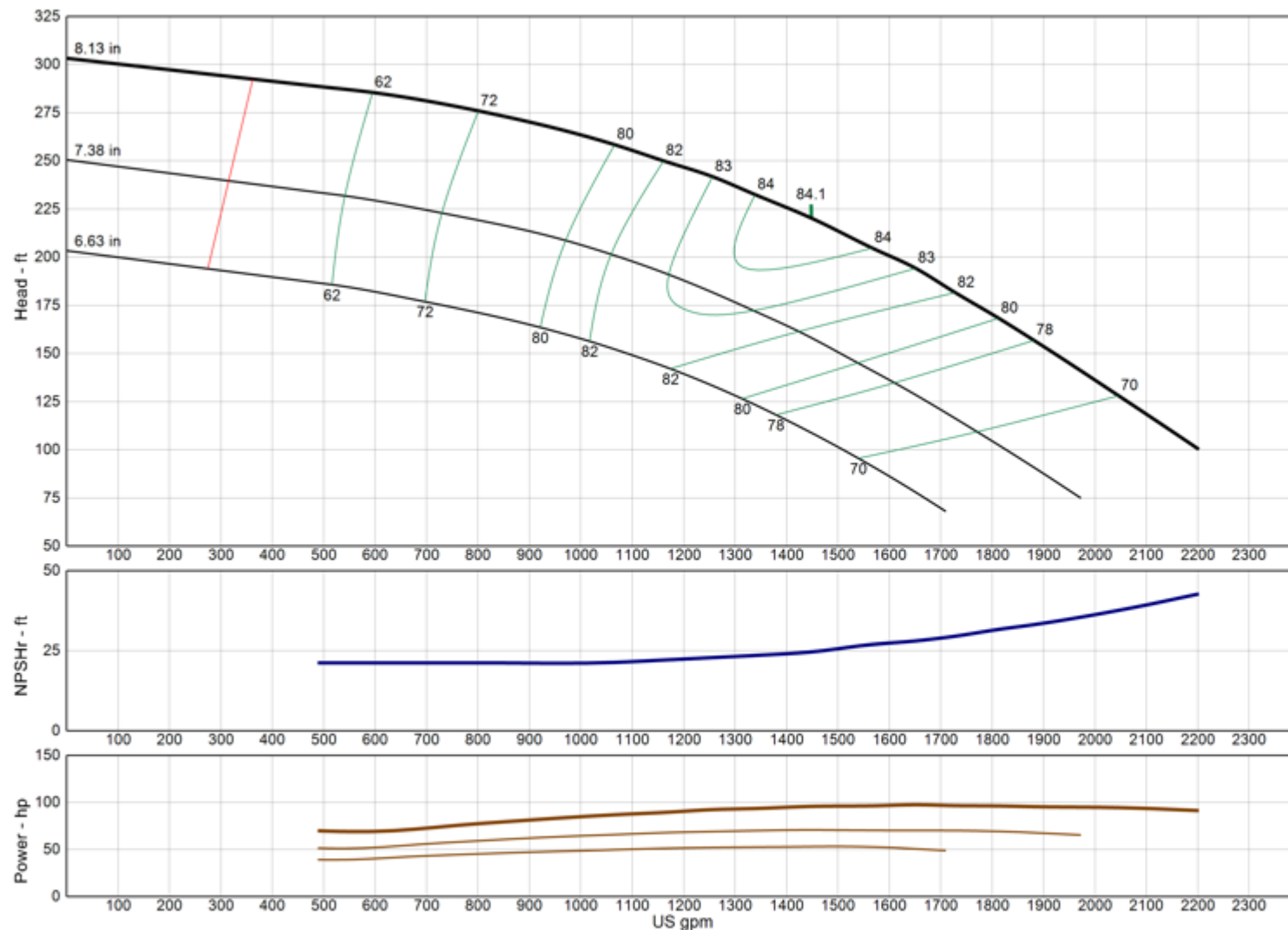
Lubbock, Texas

NOMINAL BOWL PERFORMANCE CURVE AND DATA BASED ON PUMPING CLEAR, NON-AERATED WATER AND USING STANDARD MATERIALS OF CONSTRUCTION. RATED POINT ONLY CAN BE GUARANTEED BY THE FACTORY. CURVES REPRESENT SINGLE STAGE AVERAGE PERFORMANCE BASED ON TEST OF MULTI-STAGE BOWL ASSEMBLY. EFFICIENCY CORRECTION APPLIES DIRECTLY TO EFFICIENCY (-) AND HEAD (x) FOR LESSER STAGES. ACTUAL DRIVER OPERATING SPEED SHOULD BE VERIFIED.

MODEL 11CLO

(Effective July 17, 2019)

Vertical Turbine Pump



Model	11CLO
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-1.5
2-STAGE	-1.0
3-STAGE	-0.5
4-STAGE	0.0
Impeller Type	Open
Ns	2355
Thrust K-Factor	9.10 lb/ft
Bowl OD	11.00 in
Bowl Lateral	0.88 in
Max PSI	400 psi
Thd Disch Size	6", 8", 10"

TURBINE OPERATIONS

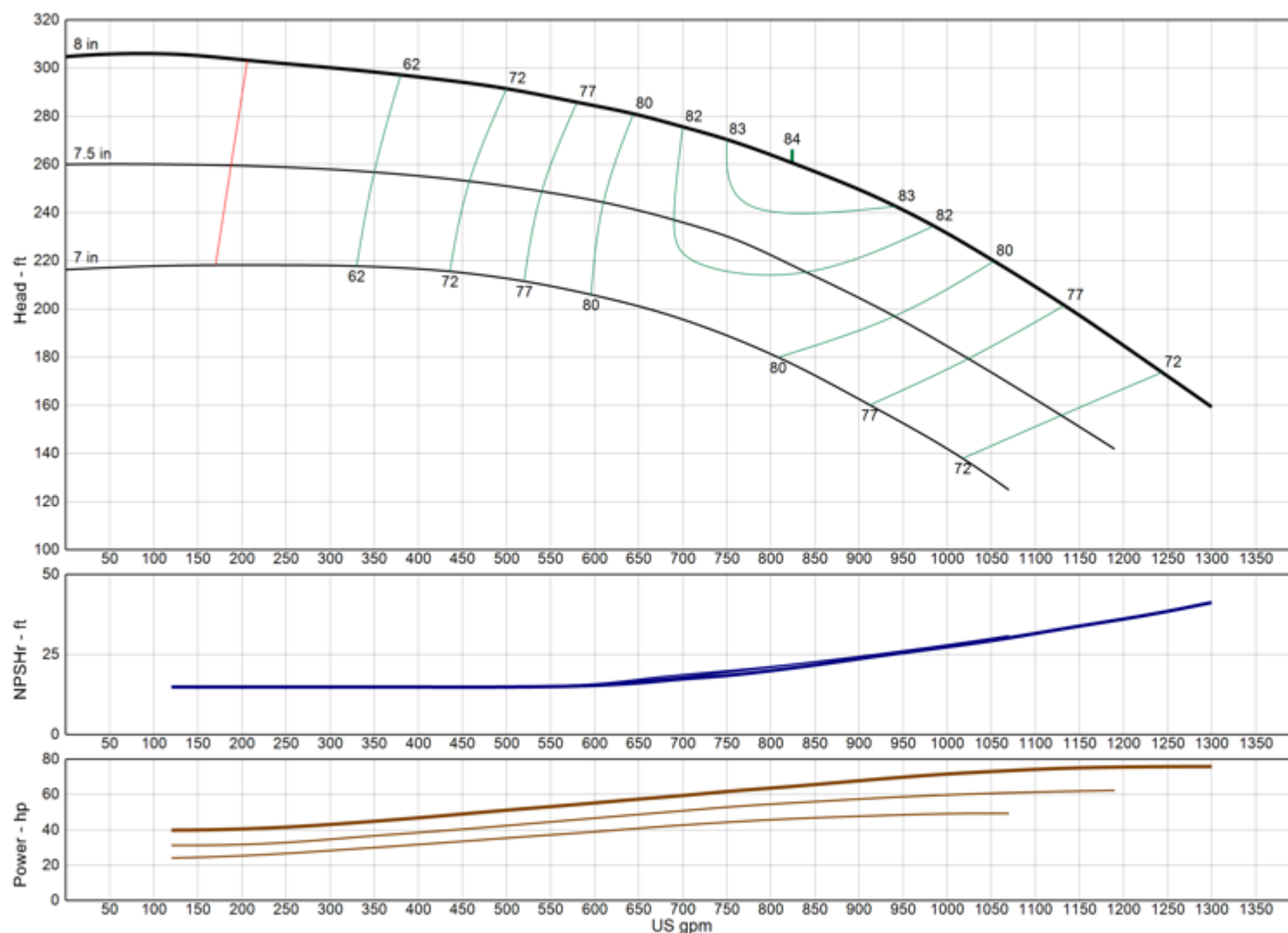
Lubbock, Texas

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MODEL 11RAHC

(Effective July 17, 2019)

Vertical Turbine Pump



Model 11RAHC

RPM 3540

Freq | Poles 60 Hz | 2-pole

Pump Type Lineshaft

EFFICIENCY CORRECTION

1-STAGE	-5.0
2-STAGE	-3.0
3-STAGE	-1.0
4-STAGE	0.0

Impeller Type Enclosed

Ns 1565

Thrust K-Factor 5.30 lb/ft

Bowl OD 11.60 in

Bowl Lateral 0.38 in

Max PSI 380 psi

Thd Disch Size 6", 8", 10"

TURBINE OPERATIONS

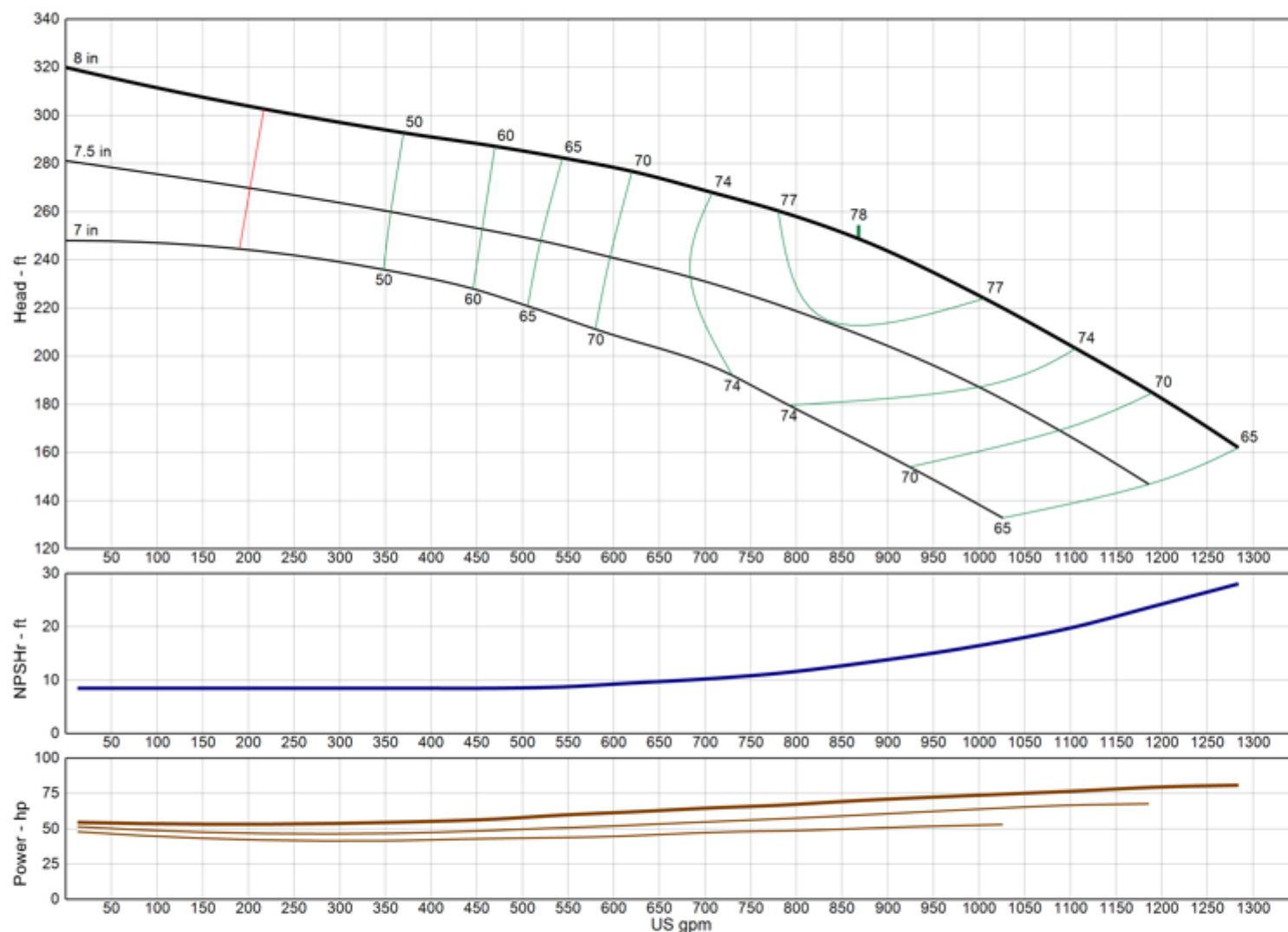
Lubbock, Texas

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MODEL 11RAHXC

(Effective July 17, 2019)

Vertical Turbine Pump



Model	11RAHXC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	0.0
2-STAGE	0.0
3-STAGE	0.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	1665
Thrust K-Factor	7.90 lb/ft
Bowl OD	11.60 in
Bowl Lateral	0.37 in
Max PSI	380 psi
Thd Disch Size	6", 8", 10"

TURBINE OPERATIONS

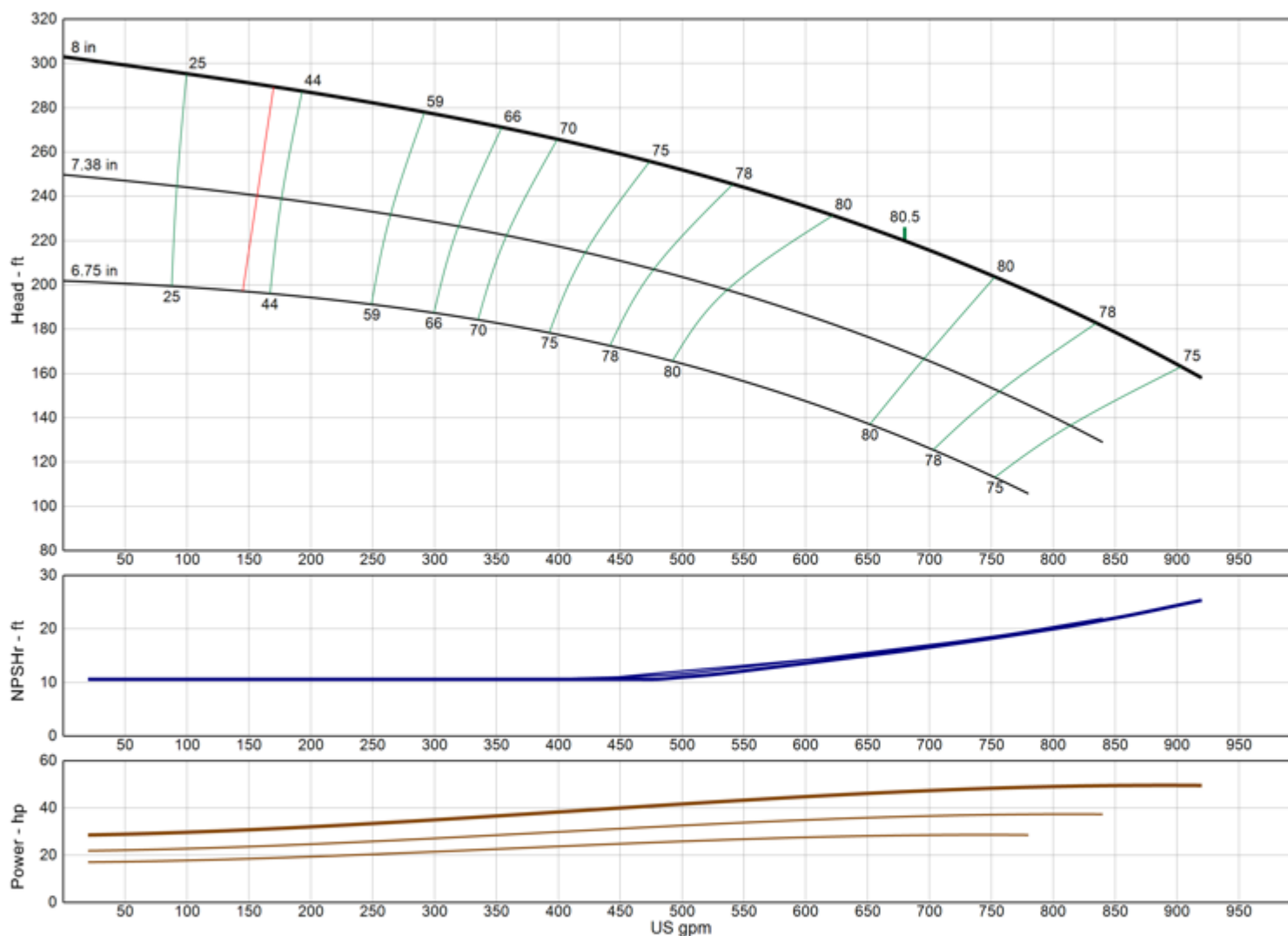
Lubbock, Texas

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MODEL 11RALC

(Effective December 18, 2019)

Vertical Turbine Pump



Model 11RALC

RPM 3540

Freq | Poles 60 Hz | 2-pole

Pump Type Lineshaft

EFFICIENCY CORRECTION

1-STAGE	-5.0
2-STAGE	-3.0
3-STAGE	-1.0
4-STAGE	0.0

Impeller Type Enclosed

Ns 1615

Thrust K-Factor 5.30 lb/ft

Bowl OD 11.60 in

Bowl Lateral 0.38 in

Max PSI 380 psi

Thd Disch Size 6", 8", 10"

TURBINE OPERATIONS

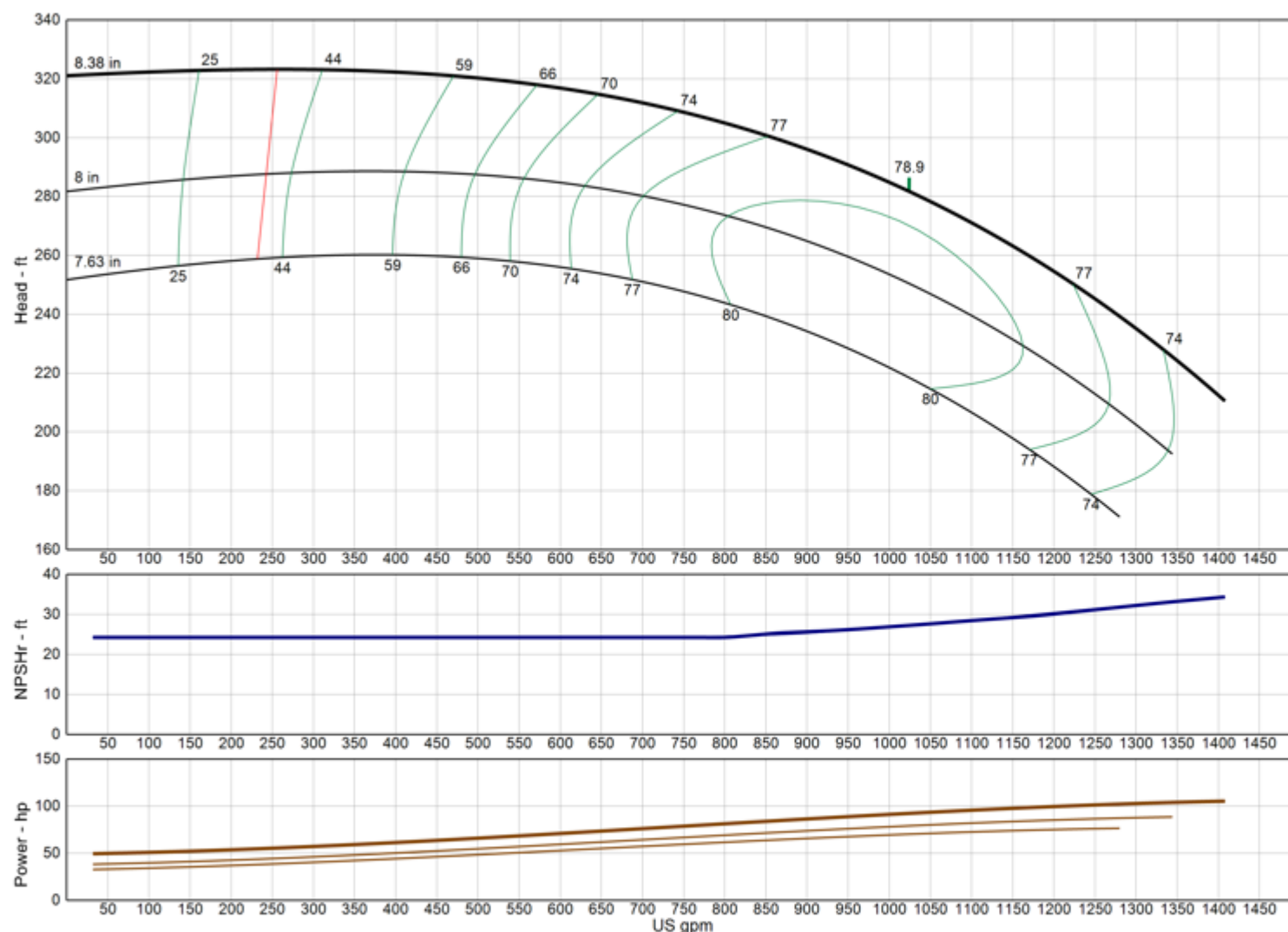
Lubbock, Texas

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MODEL 11WAHC

(Effective December 18, 2019)

Vertical Turbine Pump



Model	11WAHC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-3.0
2-STAGE	-2.0
3-STAGE	-1.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	1645
Thrust K-Factor	6.00 lb/ft
Bowl OD	11.00 in
Bowl Lateral	0.75 in
Max PSI	450 psi
Thd Disch Size	6", 8"

TURBINE OPERATIONS

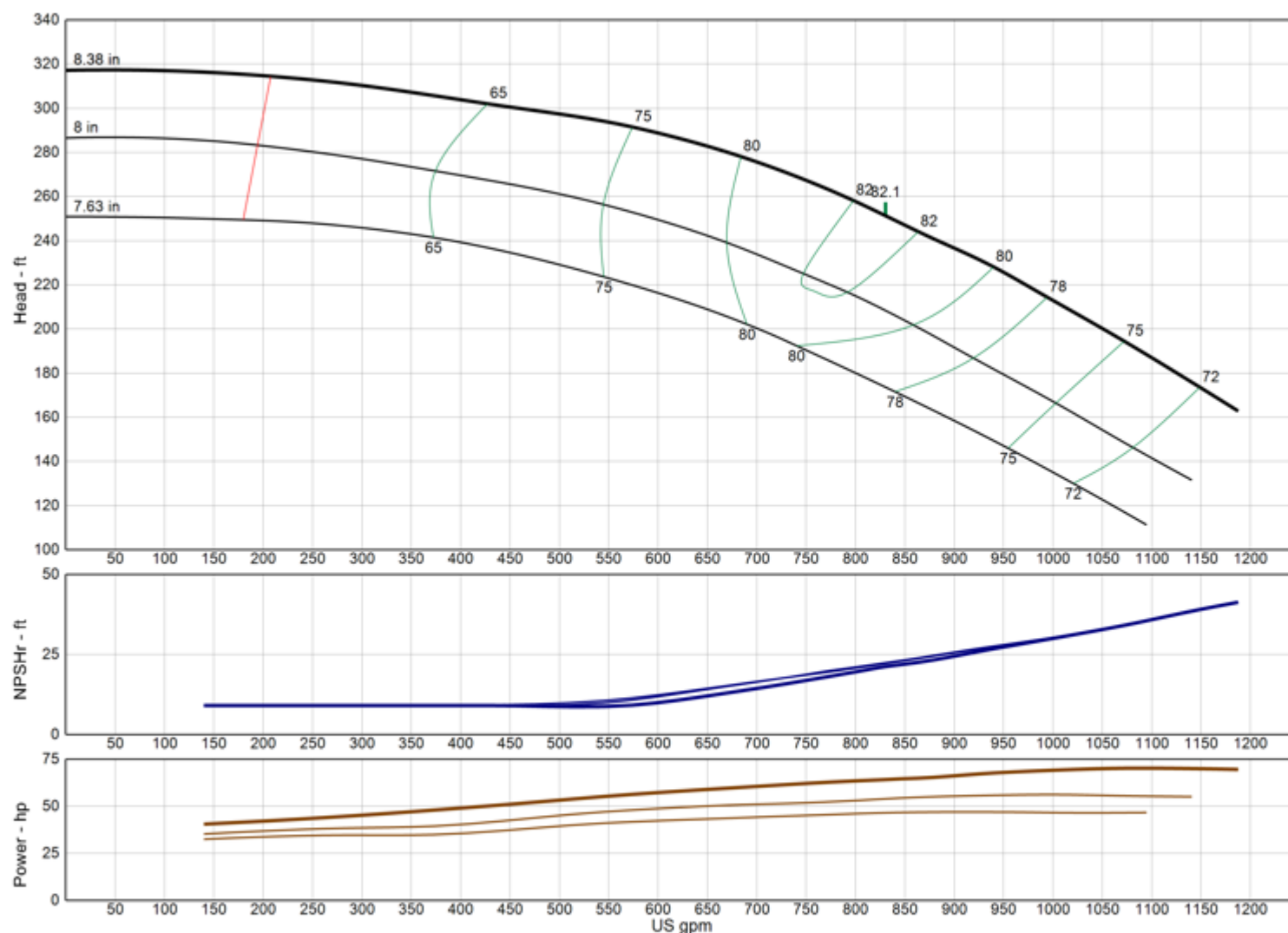
Lubbock, Texas

NOMINAL BOWL PERFORMANCE CURVE AND DATA BASED ON PUMPING CLEAR, NON-AERATED WATER AND USING STANDARD MATERIALS OF CONSTRUCTION. RATED POINT ONLY CAN BE GUARANTEED BY THE FACTORY. CURVES REPRESENT SINGLE STAGE AVERAGE PERFORMANCE BASED ON TEST OF MULTI-STAGE BOWL ASSEMBLY. EFFICIENCY CORRECTION APPLIES DIRECTLY TO EFFICIENCY (-) AND HEAD (x) FOR LESSER STAGES. ACTUAL DRIVER OPERATING SPEED SHOULD BE VERIFIED.

MODEL 11WALC

(Effective July 17, 2019)

Vertical Turbine Pump



Model 11WALC

RPM 3540

Freq | Poles 60 Hz | 2-pole

Pump Type Lineshaft

EFFICIENCY CORRECTION

1-STAGE	-3.0
2-STAGE	-2.0
3-STAGE	-1.0
4-STAGE	0.0

Impeller Type Enclosed

Ns 1615

Thrust K-Factor 6.00 lb/ft

Bowl OD 11.00 in

Bowl Lateral 0.75 in

Max PSI 450 psi

Thd Disch Size 6", 8"

TURBINE OPERATIONS

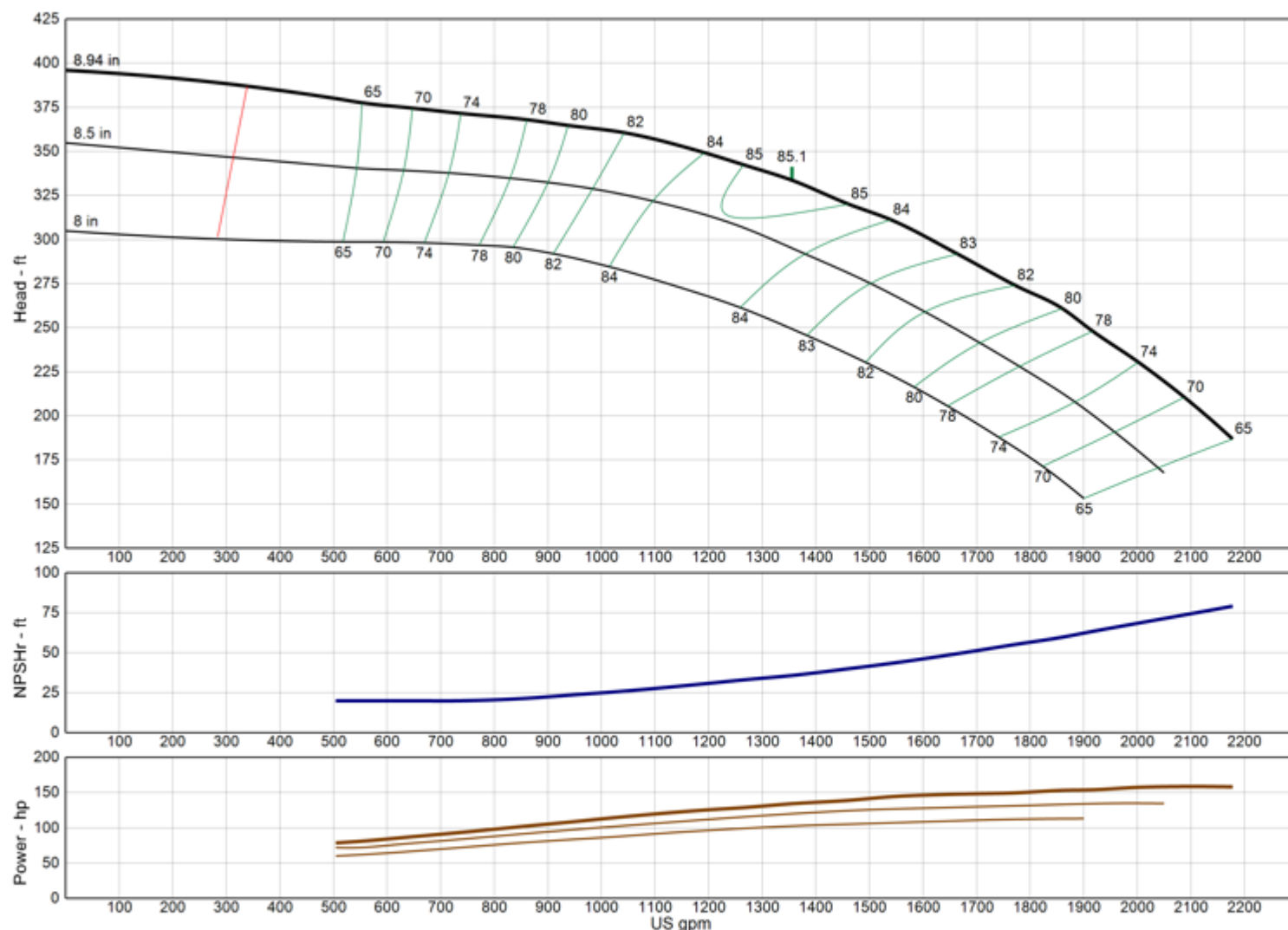
Lubbock, Texas

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MODEL 12WAHC

(Effective July 17, 2019)

Vertical Turbine Pump



Model	12WAHC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-3.0
2-STAGE	-2.0
3-STAGE	-1.0
4-STAGE	-0.5
Impeller Type	Enclosed
Ns	1670
Thrust K-Factor	7.00 lb/ft
Bowl OD	11.60 in
Bowl Lateral	0.75 in
Max PSI	380 psi
Thd Disch Size	6", 8", 10"

TURBINE OPERATIONS

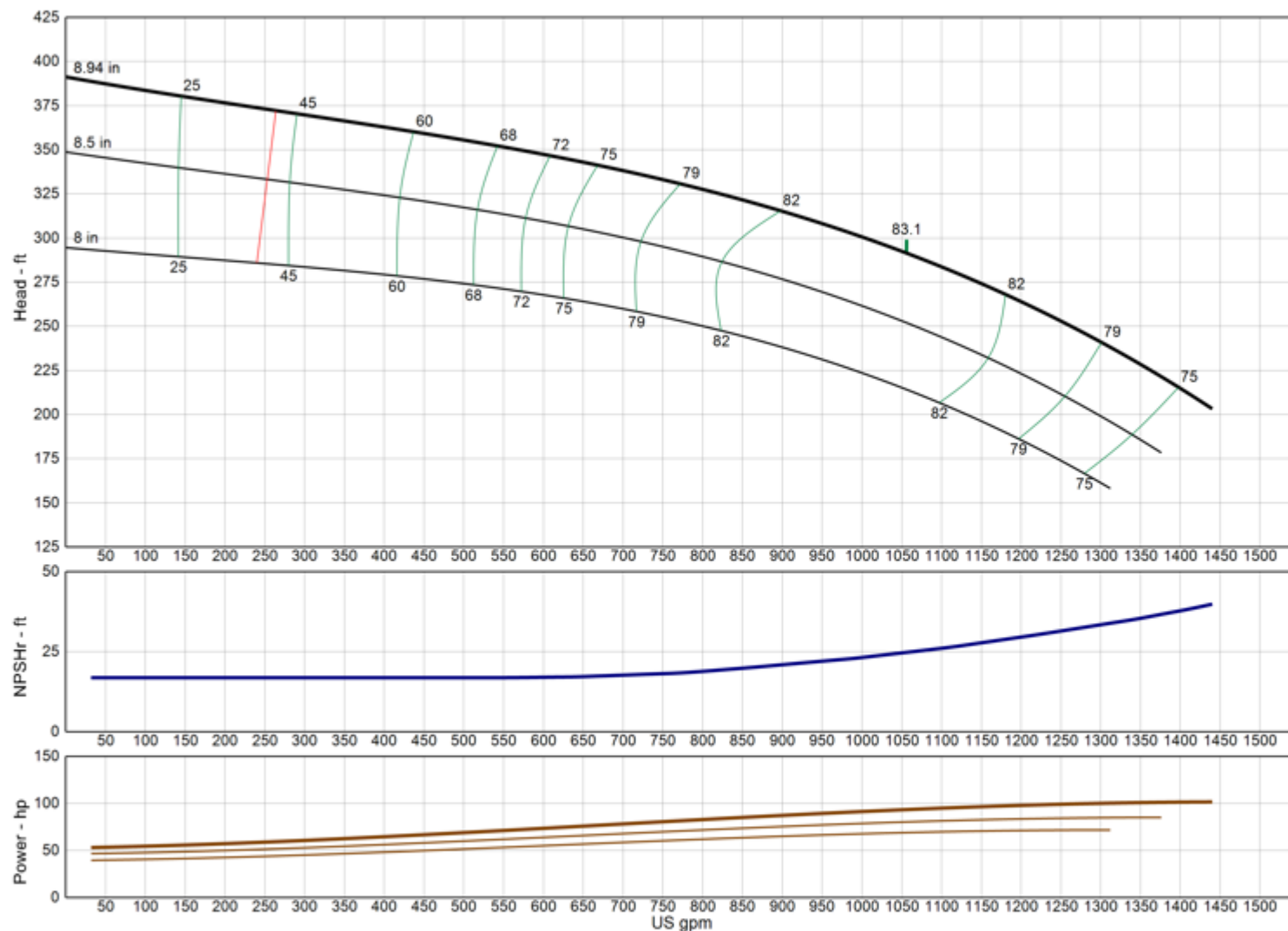
Lubbock, Texas

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MODEL 12WALC

(Effective December 18, 2019)

Vertical Turbine Pump



Model	12WALC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-3.0
2-STAGE	-2.0
3-STAGE	-1.0
4-STAGE	-0.5
Impeller Type	Enclosed
Ns	1630
Thrust K-Factor	7.00 lb/ft
Bowl OD	11.60 in
Bowl Lateral	0.75 in
Max PSI	380 psi
Thd Disch Size	6", 8", 10"

TURBINE OPERATIONS

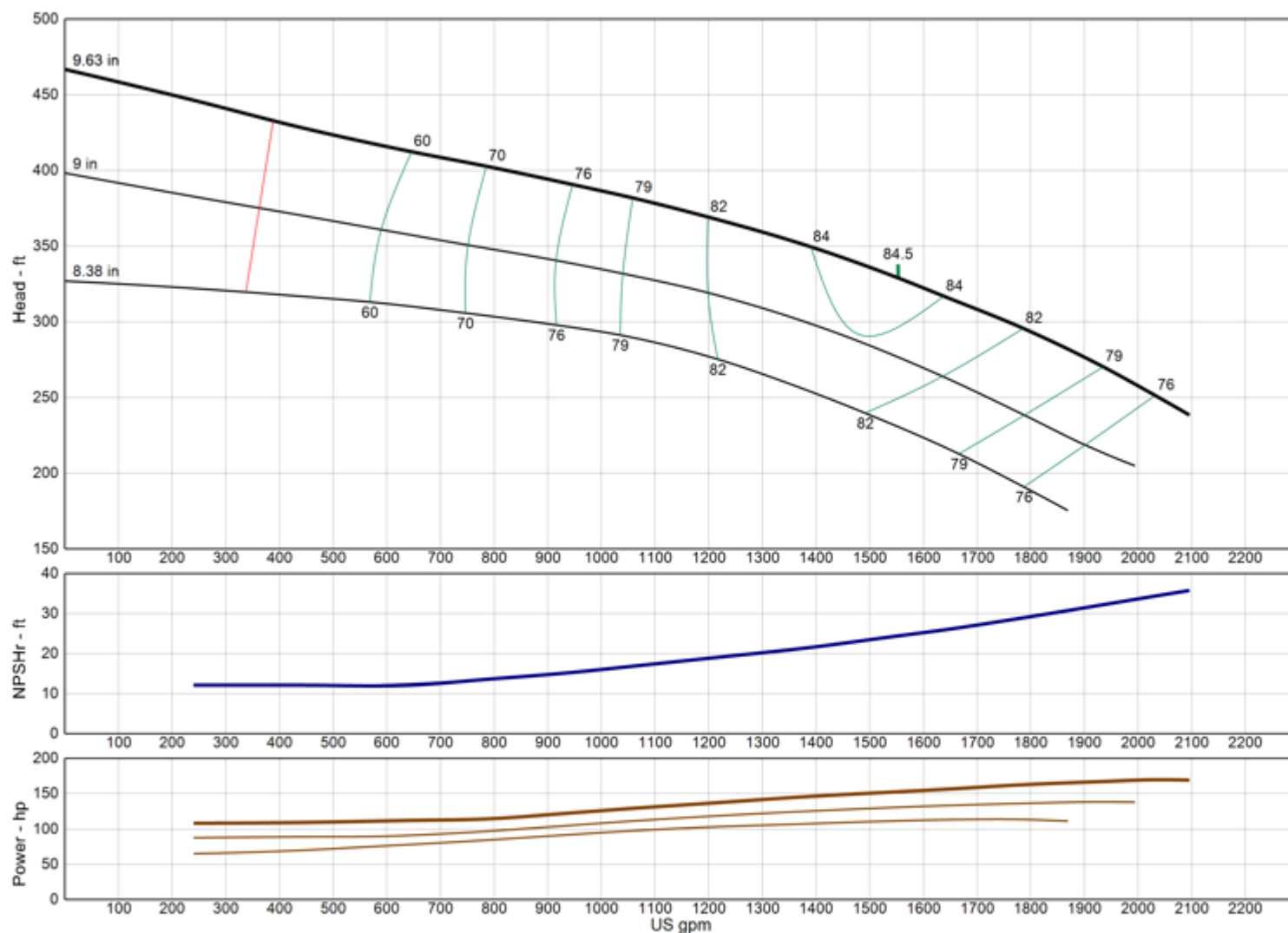
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MODEL 13RAHC

(Effective July 17, 2019)

Vertical Turbine Pump



Model	13RAHC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-5.0
2-STAGE	-2.0
3-STAGE	-1.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	1805
Thrust K-Factor	7.90 lb/ft
Bowl OD	13.38 in
Bowl Lateral	0.50 in
Max PSI	310 psi
Thd Disch Size	8", 10", 12"

TURBINE OPERATIONS

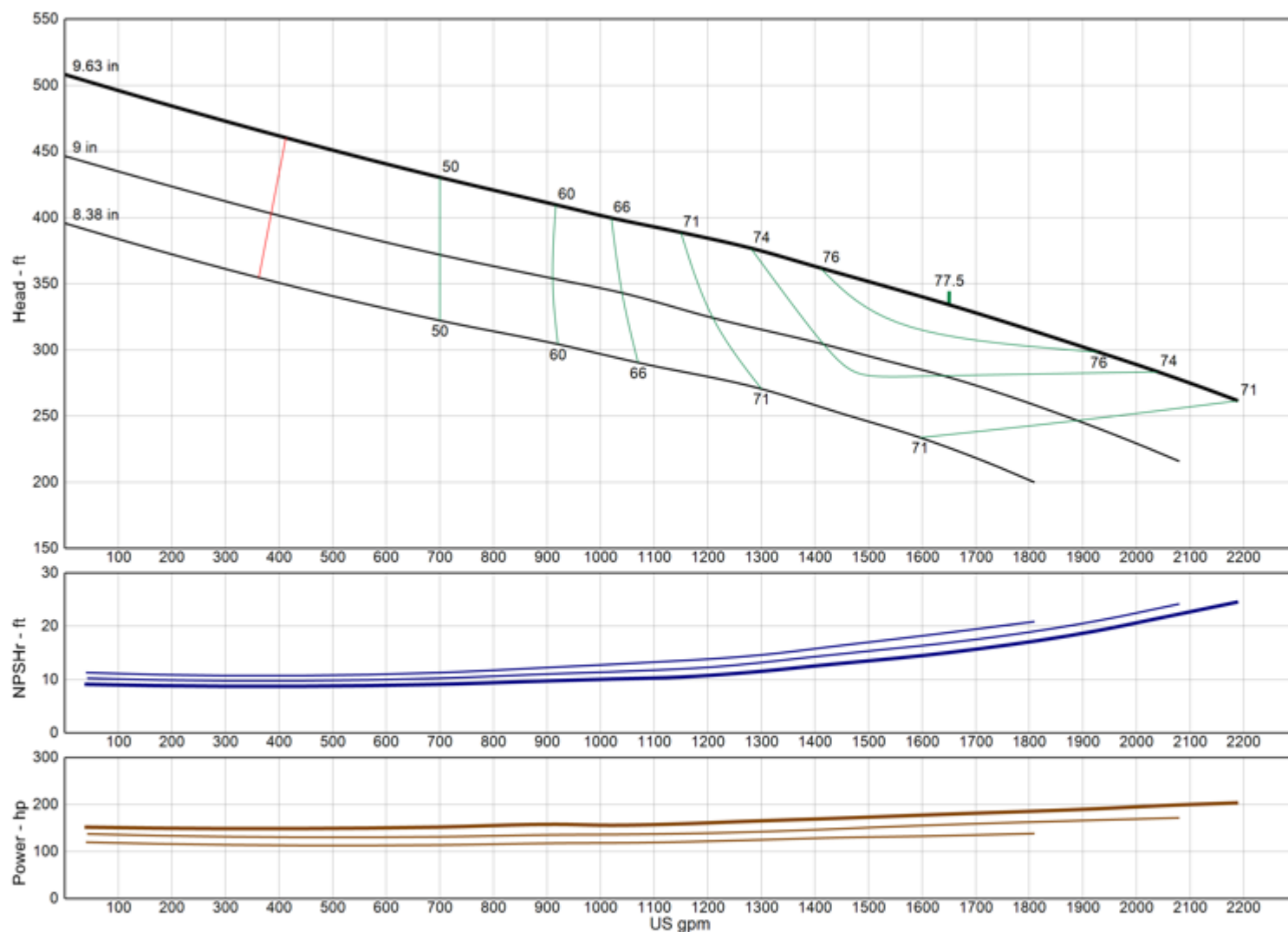
Lubbock, Texas

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MODEL 13RAHXC

(Effective July 17, 2019)

Vertical Turbine Pump



Model 13RAHXC

RPM 3540

Freq | Poles 60 Hz | 2-pole

Pump Type Lineshaft

EFFICIENCY CORRECTION

1-STAGE	0.0
2-STAGE	0.0
3-STAGE	0.0
4-STAGE	0.0

Impeller Type Enclosed

Ns 1840

Thrust K-Factor 10.00 lb/ft

Bowl OD 13.38 in

Bowl Lateral 0.50 in

Max PSI 310 psi

Thd Disch Size 8", 10", 12"

TURBINE OPERATIONS

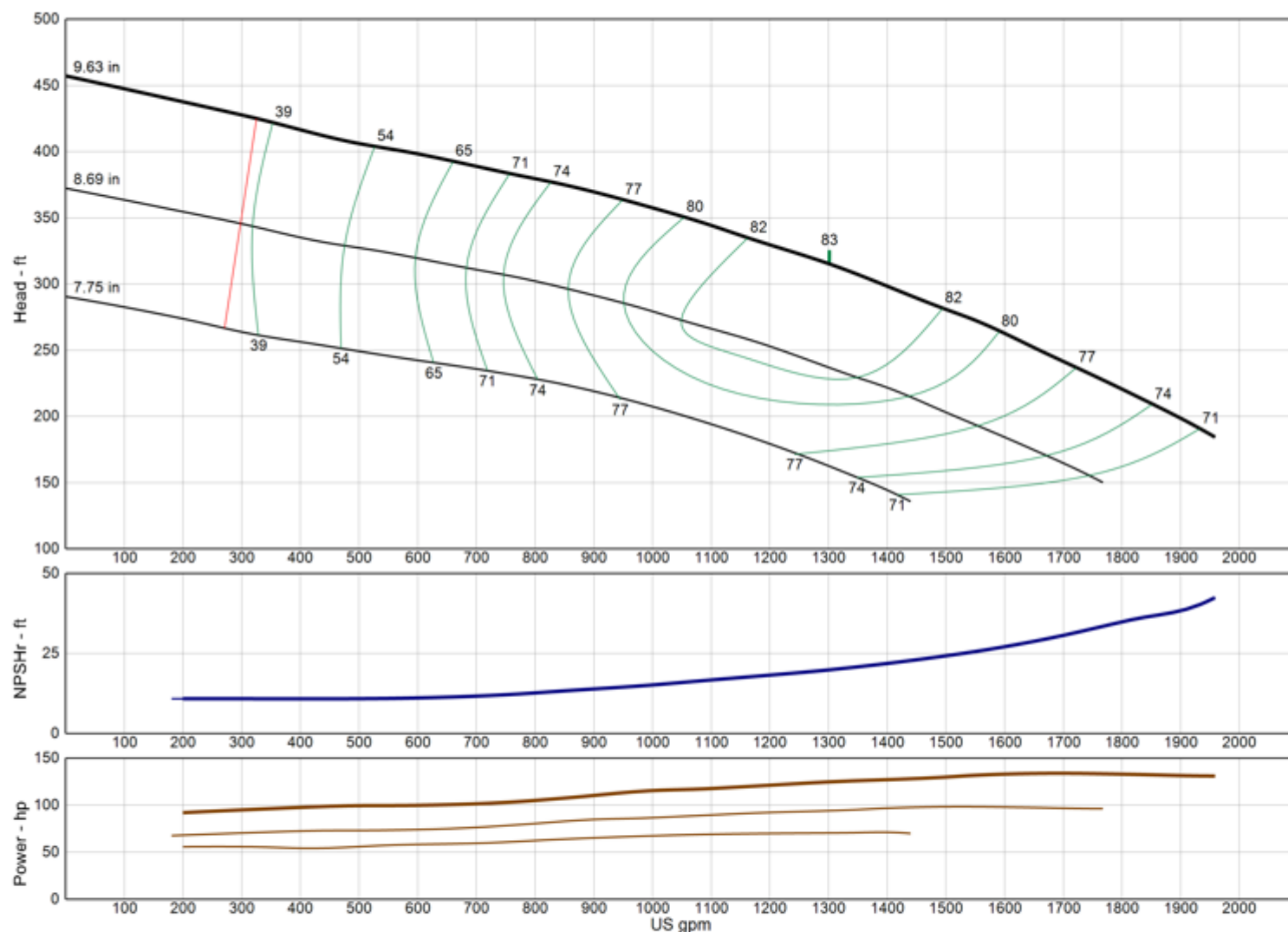
Lubbock, Texas

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MODEL 13RALC

(Effective July 17, 2019)

Vertical Turbine Pump



Model	13RALC
RPM	3540
Freq Poles	60 Hz 2-pole
Pump Type	Lineshaft
EFFICIENCY CORRECTION	
1-STAGE	-5.0
2-STAGE	-2.0
3-STAGE	-1.0
4-STAGE	0.0
Impeller Type	Enclosed
Ns	1705
Thrust K-Factor	7.90 lb/ft
Bowl OD	13.38 in
Bowl Lateral	0.50 in
Max PSI	310 psi
Thd Disch Size	8", 10", 12"

TURBINE OPERATIONS

Lubbock, Texas

NOMINAL BOWL PERFORMANCE CURVE AND DATA BASED ON PUMPING CLEAR, NON-AERATED WATER AND USING STANDARD MATERIALS OF CONSTRUCTION. RATED POINT ONLY CAN BE GUARANTEED BY THE FACTORY. CURVES REPRESENT SINGLE STAGE AVERAGE PERFORMANCE BASED ON TEST OF MULTI-STAGE BOWL ASSEMBLY. EFFICIENCY CORRECTION APPLIES DIRECTLY TO EFFICIENCY (-) AND HEAD (x) FOR LESSER STAGES. ACTUAL DRIVER OPERATING SPEED SHOULD BE VERIFIED.

Xylem |'zīləm|

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're a global team unified in a common purpose: creating advanced technology solutions to the world's water challenges. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services settings. Xylem also provides a leading portfolio of smart metering, network technologies and advanced analytics solutions for water, electric and gas utilities. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise with a strong focus on developing comprehensive, sustainable solutions.

For more information on how Xylem can help you, go to www.xylem.com



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www.xylem.com

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