AMERICAN-MARSH PUMPS

480 Series Vertical Turbine

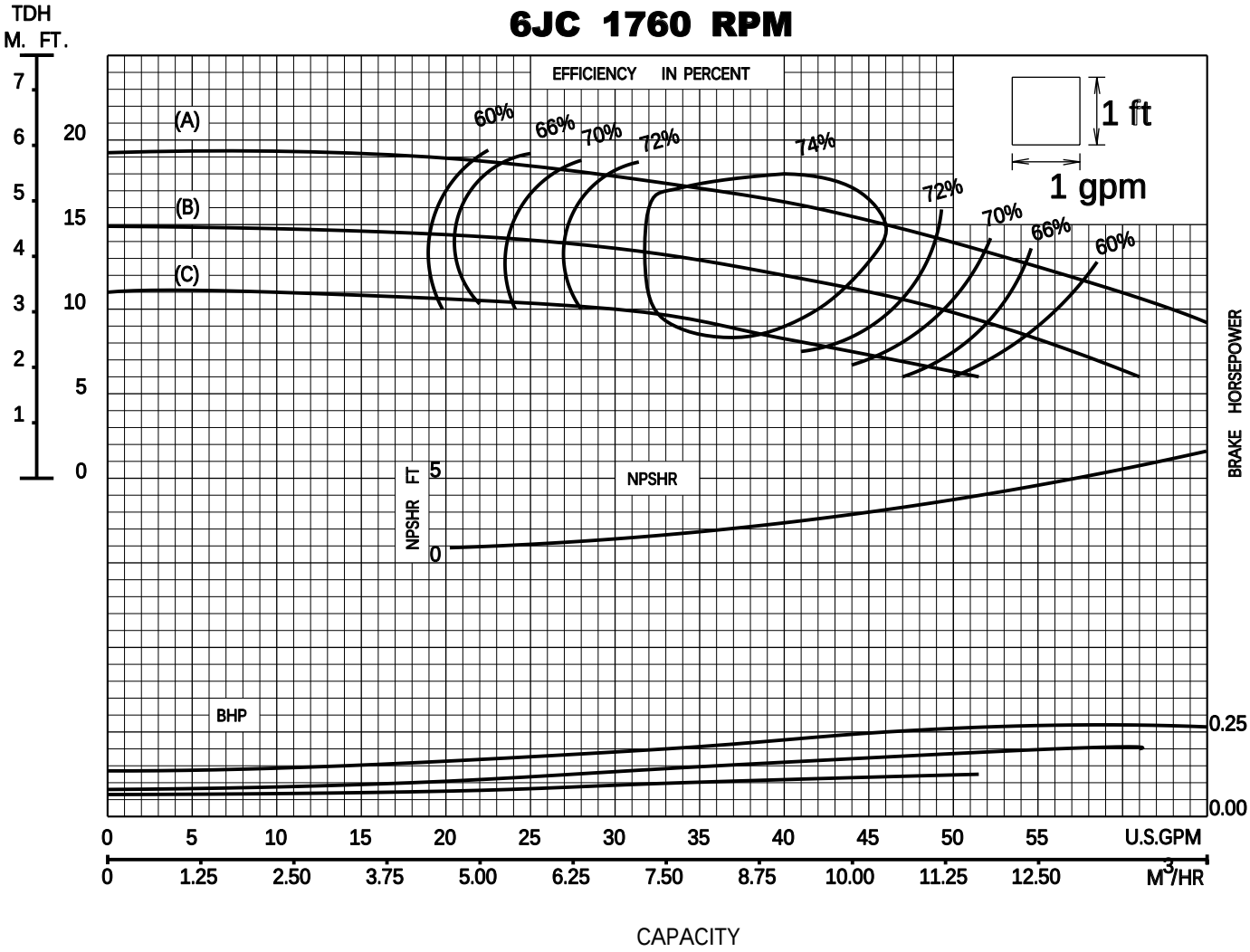
1800 RPM Performance Curves
Enclosed & Semi-Open Impellers

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

APRIL 2001

6JC 1760 RPM



IMPELLER DATA

Impeller Number	6404		
Material	BRONZE		
Type	CLOSED		
Thrust Factor	K=1.56		
Eye Area	1.78	sq. in.	
Weight	1.80	lb.	

TRIM: (A) 4.688" X 0
(B) 4.125" X 0
(C) 3.688" X 0

Minimum submergence above eye of bottom impeller:10 in.

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.

FLANGED BOWL DATA

Bowl Number	6515 C.I.	
Bowl Dia.	5.563"	
Max. No. Stages	55	
One Stage Weight	75	lb
Add'l Stage Weight	15	lb
Std. Shaft Dia.	0.750	in
Std. Lateral	0.375	in
Discharge Size	4	in
Suction Size	4	in
Max. Sphere Size	0.125	in
Max Operation P.S.I.	360 (special)	

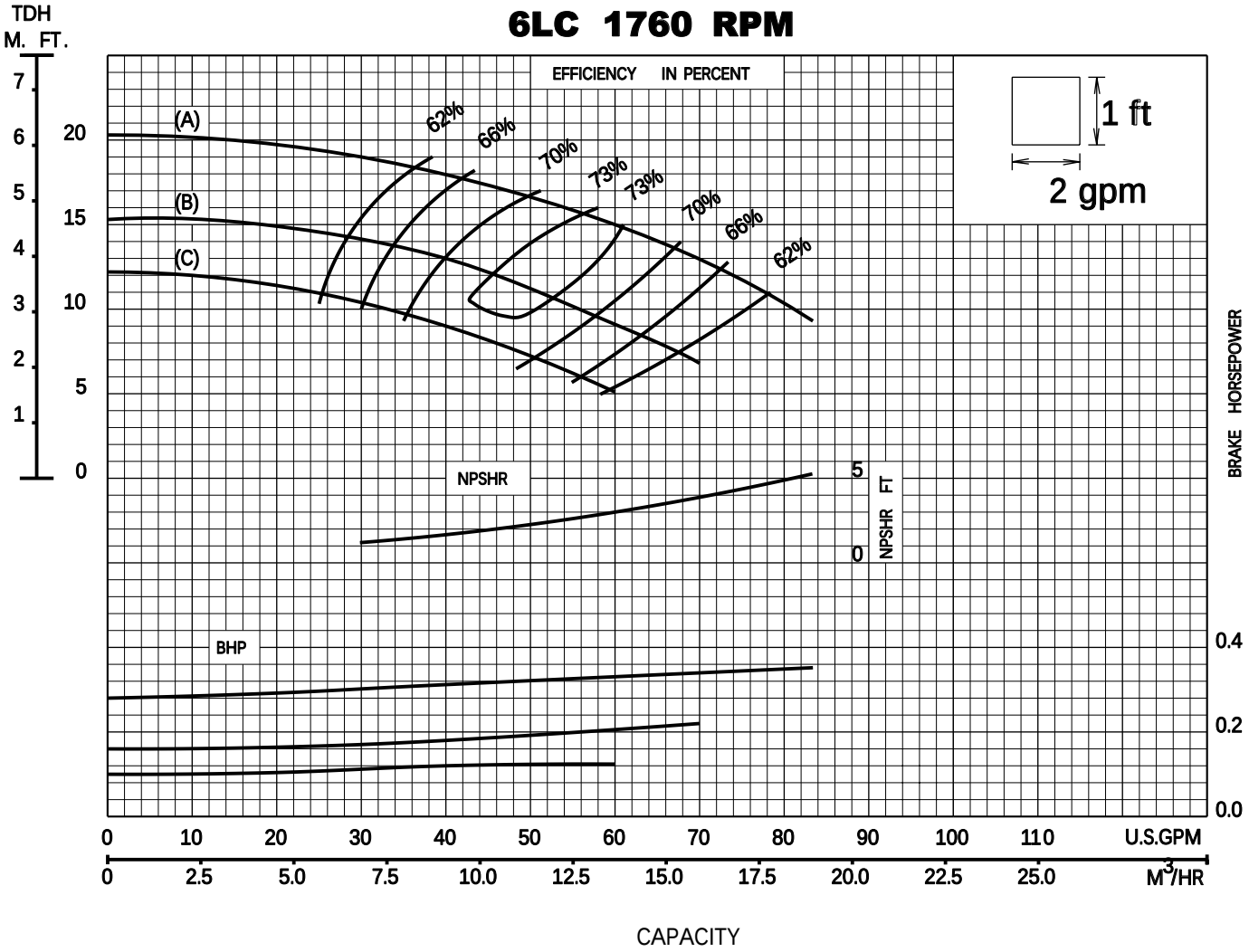
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

APRIL 2001

6LC 1760 RPM



IMPELLER DATA

Impeller Number	6505		
Material	BRONZE		
Type	CLOSED		
Thrust Factor	K=1.56		
Eye Area	2.14	sq. in.	
Weight	2.25	lb.	

TRIM: (A) 4.688" X 0
(B) 4.125" X 0
(C) 3.688" X 0

Minimum submergence above eye of bottom impeller: 12 in.

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.

FLANGED BOWL DATA

Bowl Number	6515 C.I.	
Bowl Dia.	5.563"	
Max. No. Stages	55	
One Stage Weight	75	lb
Add'l Stage Weight	15	lb
Std. Shaft Dia.	0.750	in
Std. Lateral	0.375	in
Discharge Size	4	in
Suction Size	4	in
Max. Sphere Size	0.125	in
Max Operation P.S.I.	360 (special)	

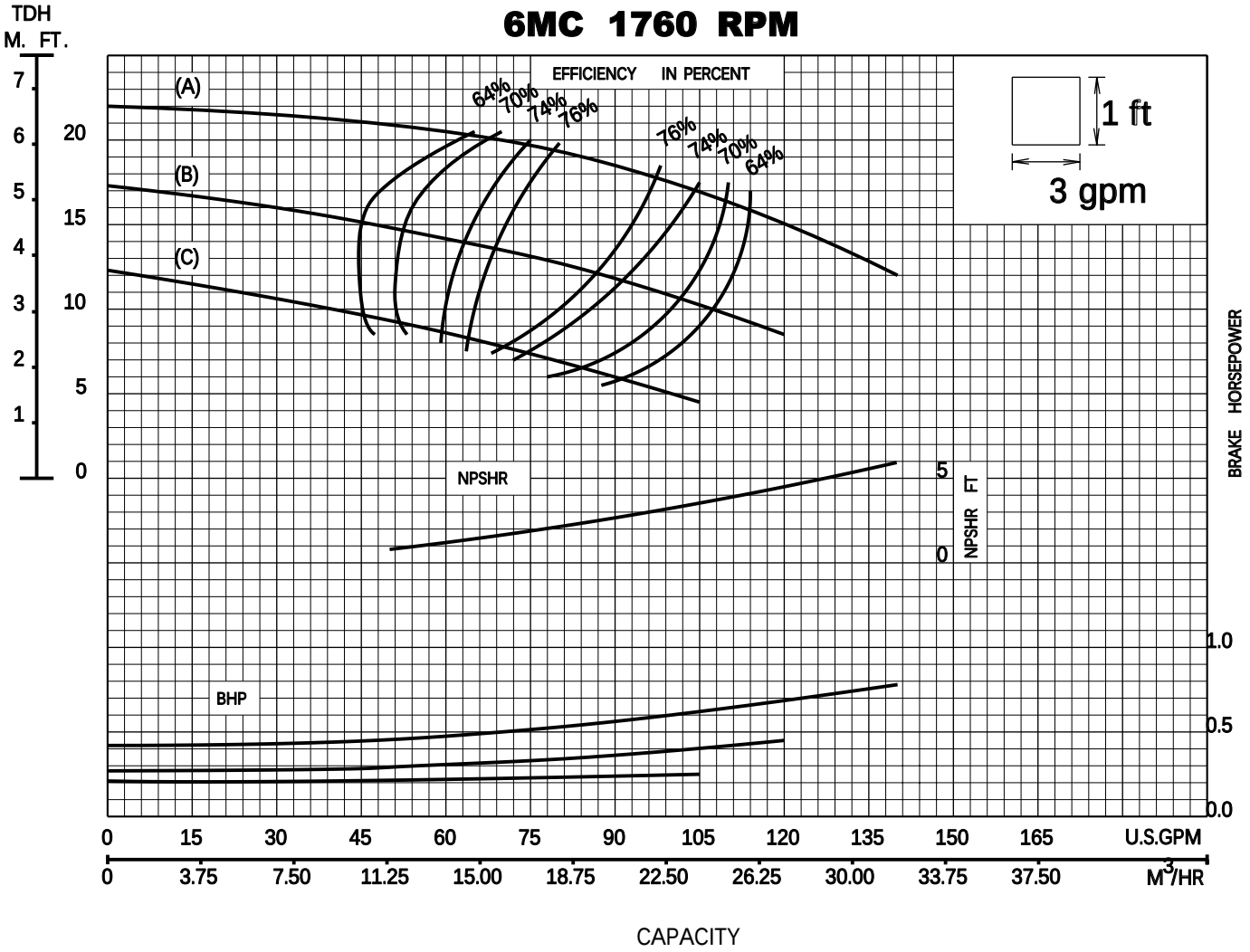
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

APRIL 2001

6MC 1760 RPM



IMPELLER DATA

Impeller Number	6707		
Material	BRONZE		
Type	CLOSED		
Thrust Factor	K=2.24		
Eye Area	3.20	sq. in.	
Weight	2.15	lb.	

TRIM: (A) 4.688" X 27
(B) 4.250" X 27
(C) 3.750" X 27

Minimum submergence above eye of bottom impeller:10 in.

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.

FLANGED BOWL DATA

Bowl Number	6616 C.I./ENAM.	
Bowl Dia.	5.563"	
Max. No. Stages	50	
One Stage Weight	75	lb
Add'l Stage Weight	15	lb
Std. Shaft Dia.	1.000	in
Std. Lateral	0.500	in
Discharge Size	4	in
Suction Size	4	in
Max. Sphere Size	0.188	in
Max Operation P.S.I.	360 (special)	

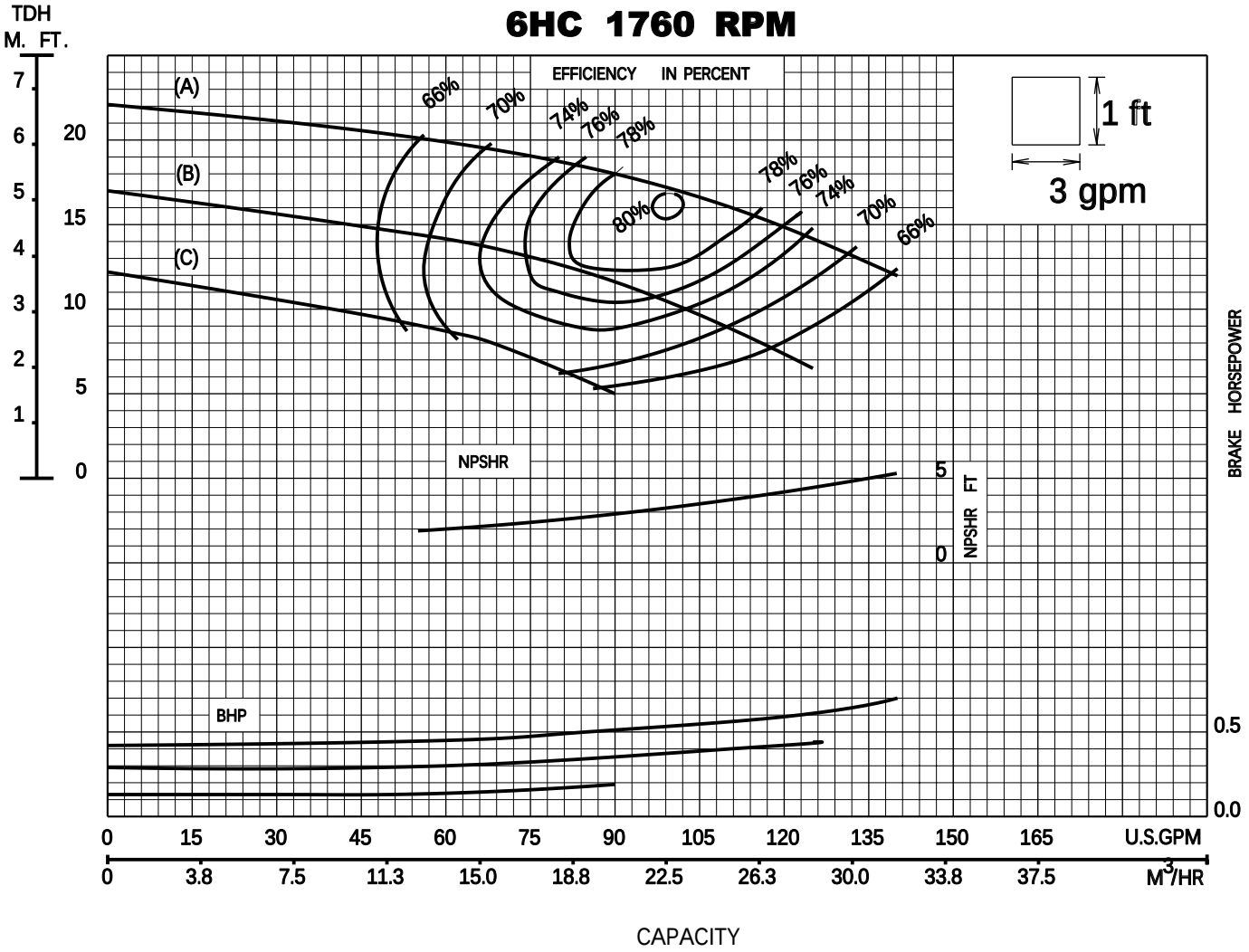
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

APRIL 2001

6HC 1760 RPM



IMPELLER DATA

Impeller Number	6606		
Material	BRONZE		
Type	CLOSED		
Thrust Factor	K=2.24		
Eye Area	3.65	sq. in.	
Weight	2.38	lb.	

TRIM: (A) 4.688" X 20
(B) 4.250" X 20
(C) 3.750" X 20

Minimum submergence above eye of bottom impeller: 10 in.

FLANGED BOWL DATA

Bowl Number	6616 C.I./ENAM.	
Bowl Dia.	5.563"	
Max. No. Stages	50	
One Stage Weight	75	lb
Add'l Stage Weight	15	lb
Std. Shaft Dia.	1.000	in
Std. Lateral	0.500	in
Discharge Size	4	in
Suction Size	4	in
Max. Sphere Size	0.188	in
Max Operation P.S.I.	360 (special)	

EFFICIENCY CORRECTION

Number of Bowls	1	2	3	4
Change as follows	-4	-2	-1	0

Change in efficiency may affect both head and horsepower.

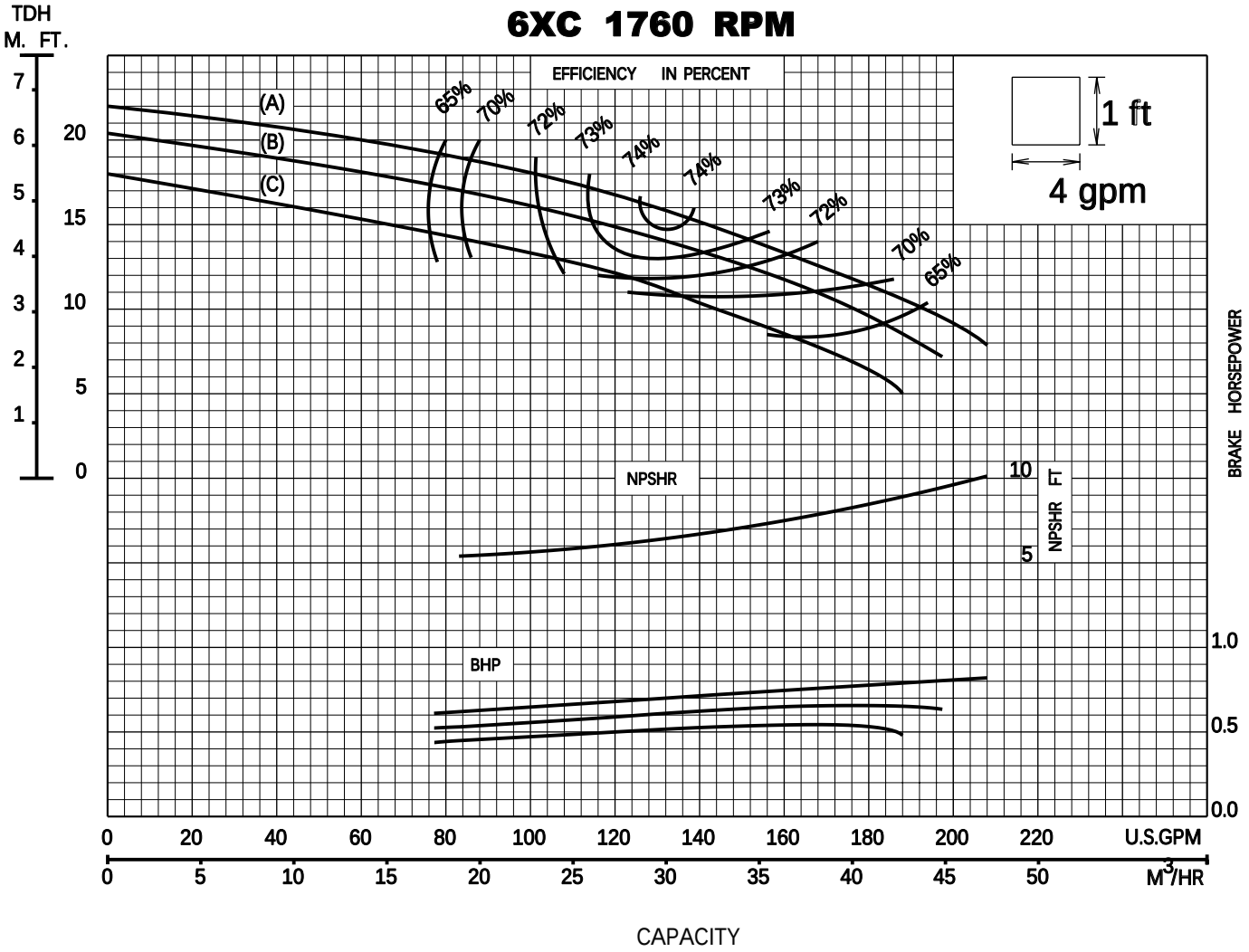
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

APRIL 2001

6XC 1760 RPM



IMPELLER DATA

Impeller Number	6909	
Material	BRONZE	
Type	CLOSED	
Thrust Factor	K=2.83	
Eye Area	4.01	sq. in.
Weight	2.15	lb.

TRIM:
(A) 4.625" X 30
(B) 4.438" X 30
(C) 4.250" X 30

Minimum submergence above eye of bottom impeller: 20 in.

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.

FLANGED BOWL DATA

Bowl Number	6919 C.I./ENAM.	
Bowl Dia.	5.563"	
Max. No. Stages	50	
One Stage Weight	75	lb
Add'l Stage Weight	15	lb
Std. Shaft Dia.	1.000	in
Std. Lateral	0.625	in
Discharge Size	4	in
Suction Size	4	in
Max. Sphere Size	0.188	in
Max Operation P.S.I.	360 (special)	

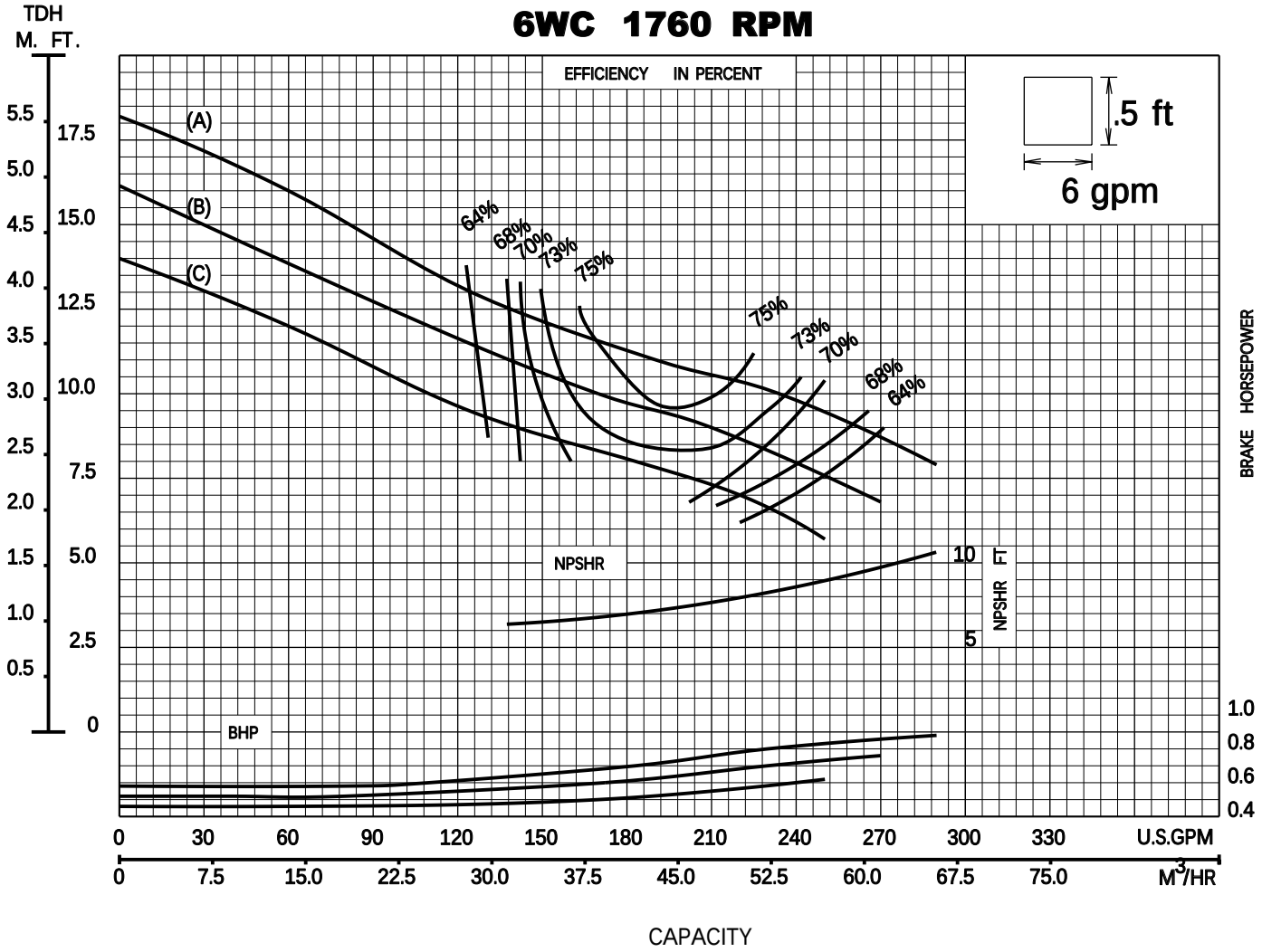
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

APRIL 2001

6WC 1760 RPM



IMPELLER DATA

Impeller Number	6808	
Material	BRONZE	
Type	CLOSED	
Thrust Factor	K=4.13	
Eye Area	6.88	sq. in.
Weight	2.65	lb.

TRIM:
(A) 4.688" X 35
(B) 4.500" X 35
(C) 4.313" X 35

Minimum submergence above eye of bottom impeller:15 in.

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.

FLANGED BOWL DATA

Bowl Number	6818 C.I./ENAM.	
Bowl Dia.	5.563"	
Max. No. Stages	43	
One Stage Weight	75	lb
Add'l Stage Weight	15	lb
Std. Shaft Dia.	1.000	in
Std. Lateral	0.375	in
Discharge Size	4	in
Suction Size	4	in
Max. Sphere Size	0.500	in
Max Operation P.S.I.	360 (special)	

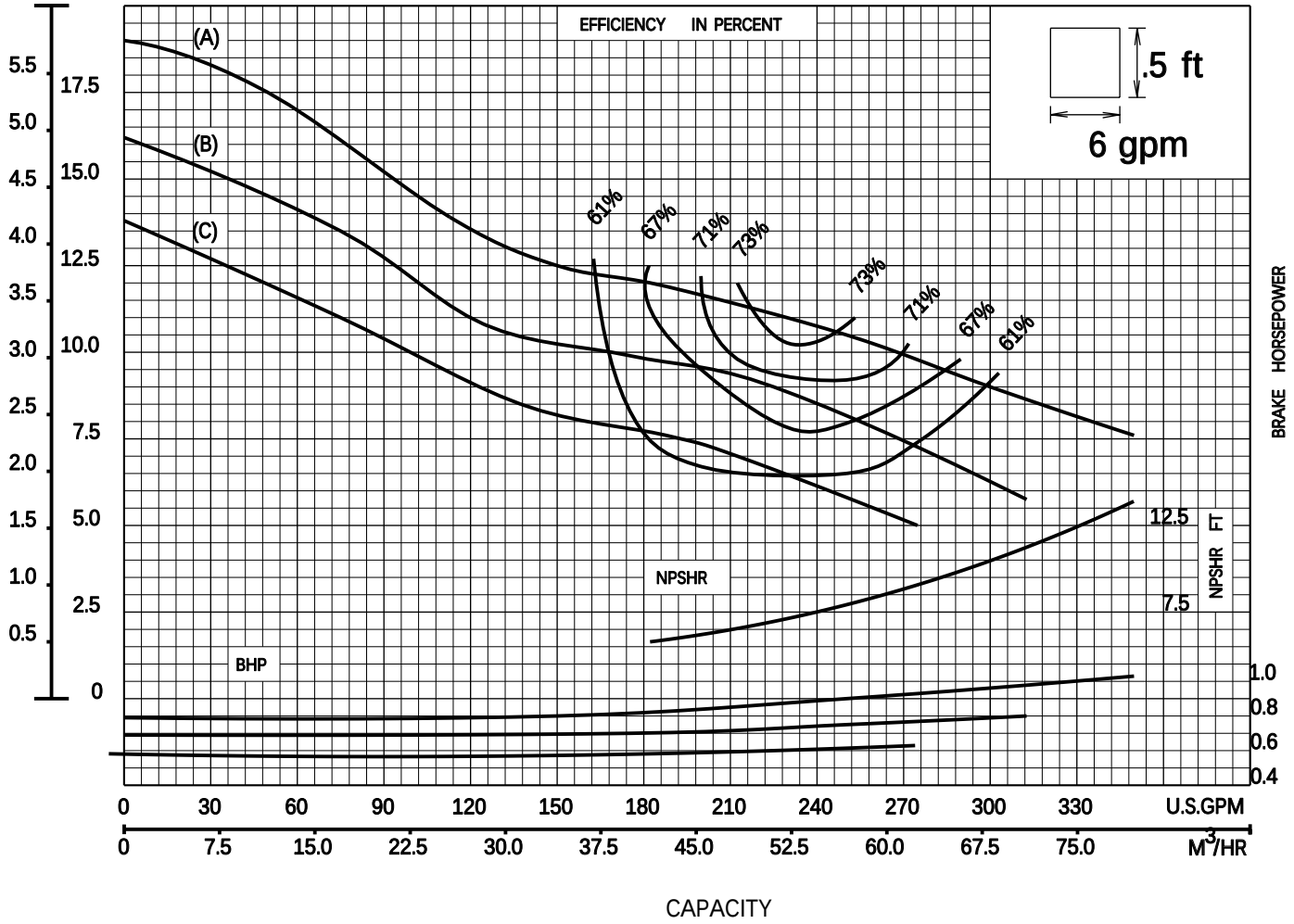
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

APRIL 2001

6YC 1760 RPM



IMPELLER DATA

Impeller Number	6414	
Material	BRONZE	
Type	CLOSED	
Thrust Factor	K=4.10	
Eye Area	7.51	sq. in.
Weight	2.35	lb.

TRIM:
(A) 4.688" X 30
(B) 4.500" X 30
(C) 4.313" X 30

Minimum submergence above eye of bottom impeller:15 in.

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.

FLANGED BOWL DATA

Bowl Number	6818 C.I./ENAM.	
Bowl Dia.	5.563"	
Max. No. Stages	46	
One Stage Weight	75	lb
Add'l Stage Weight	15	lb
Std. Shaft Dia.	1.000	in
Std. Lateral	0.250	in
Discharge Size	4	in
Suction Size	4	in
Max. Sphere Size	0.500	in
Max Operation P.S.I.	360 (special)	

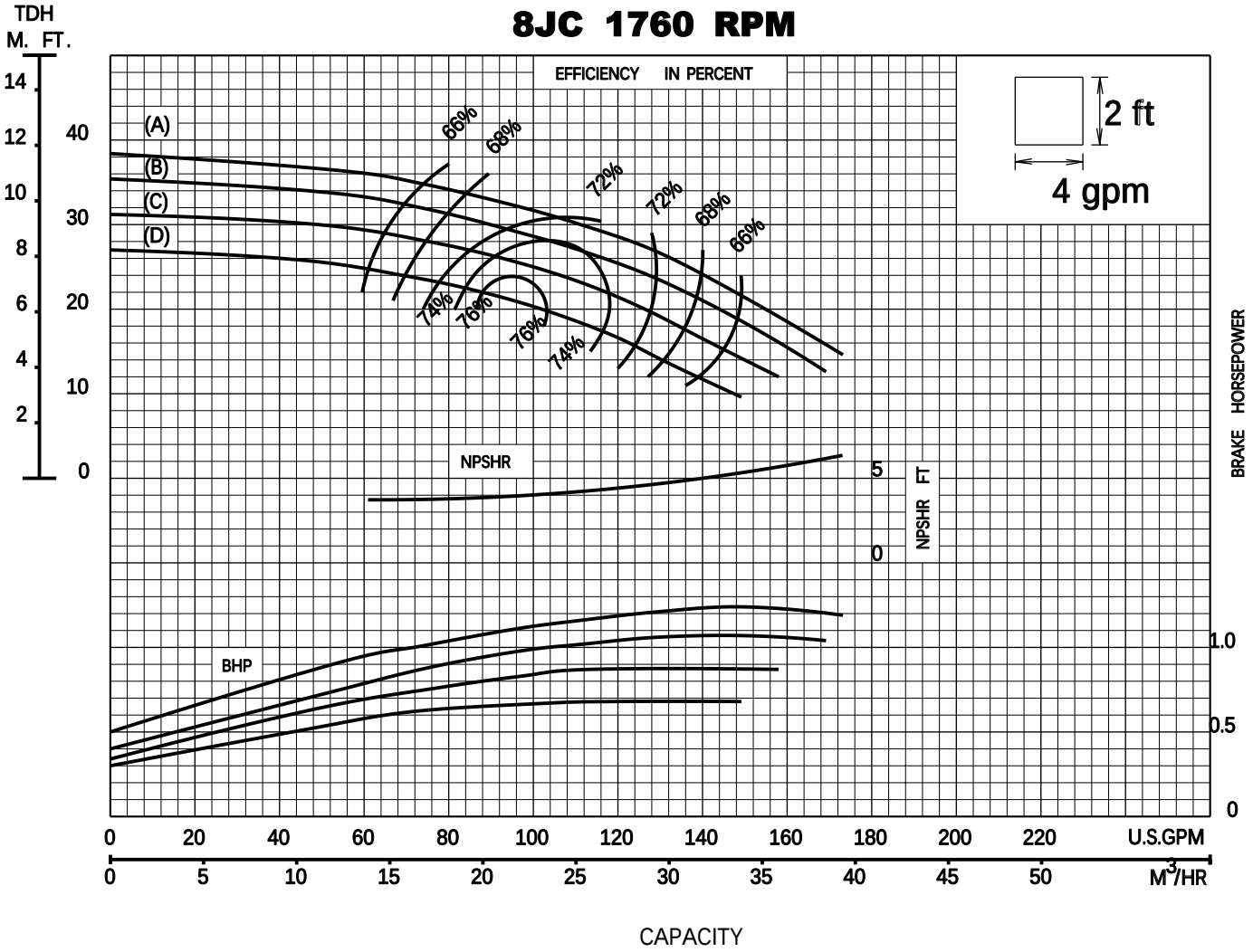
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

SEPTEMBER 1997

8JC 1760 RPM



IMPELLER DATA

Impeller Number	3628		
Material	BRONZE		
Type	CLOSED		
Thrust Factor	K=2.98		
Eye Area	3.65	sq. in.	
Weight	5.75	lb.	

TRIM:
(A) 6.313" X 0
(B) 6.000" X 0
(C) 5.625" X 0
(D) 5.250" X 0

Minimum submergence above eye of bottom impeller:12 in.

BOWL DATA

Bowl Number	3629 C.I./ENAM.	
Bowl Dia.	7.813"max 7.500"min	
Max. No. Stages	42	
One Stage Weight	130	lb
Add'l Stage Weight	30	lb
Std. Shaft Dia.	1.000	in
Std. Lateral	0.438	in
Discharge Size	5 - 6	in
Suction Size	5 - 6	in
Max. Sphere Size	0.250	in
Max Operation 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.

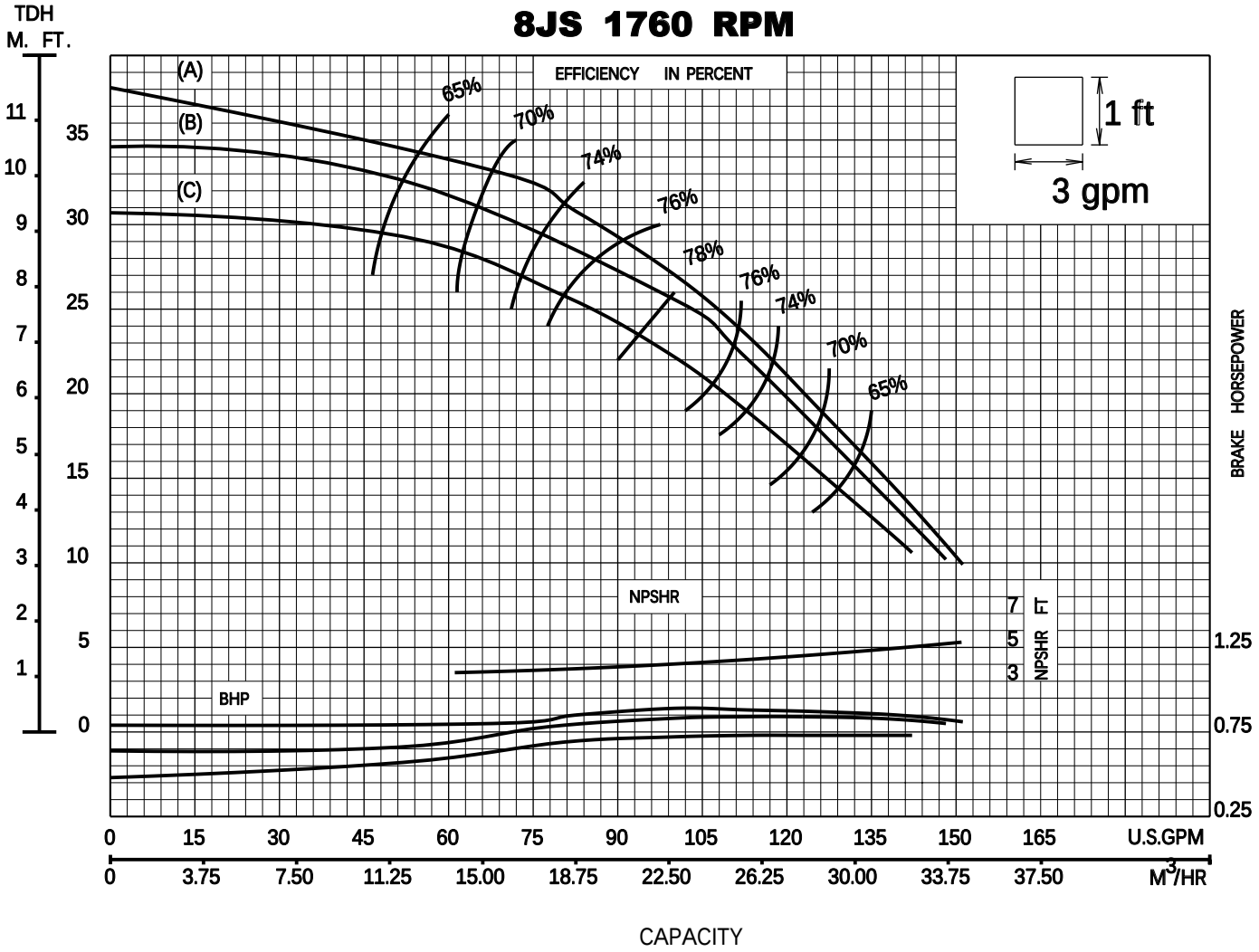
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

SEPTEMBER 1997

8JS 1760 RPM



IMPELLER DATA

Impeller Number	3692	
Material	BRONZE	
Type	SEMI-OPEN	
Thrust Factor	K=3.52	
Eye Area	3.18	sq. in.
Weight	3.55	lb.

TRIM: (A) 6.313" X O
(B) 6.000" X 0
(C) 5.625" X 0

Minimum submergence above eye of top impeller:14 in.

EFFICIENCY CORRECTION

Number of Bowls	1	2	3		
Change as follows	-3	-1	0		

Change in efficiency may affect both head and horsepower.

BOWL DATA

Bowl Number	3629 C.I./ENAM.	
Bowl Dia.	7.813"max 7.500"min	
Max. No. Stages	42	
One Stage Weight	130	lb
Add'l Stage Weight	30	lb
Std. Shaft Dia.	1.000	in
Std. Lateral	0.438	in
Discharge Size	5 - 6	in
Suction Size	5 - 6	in
Max. Sphere Size	0.250	in
Max Operation P.S.I.	692 (special)	

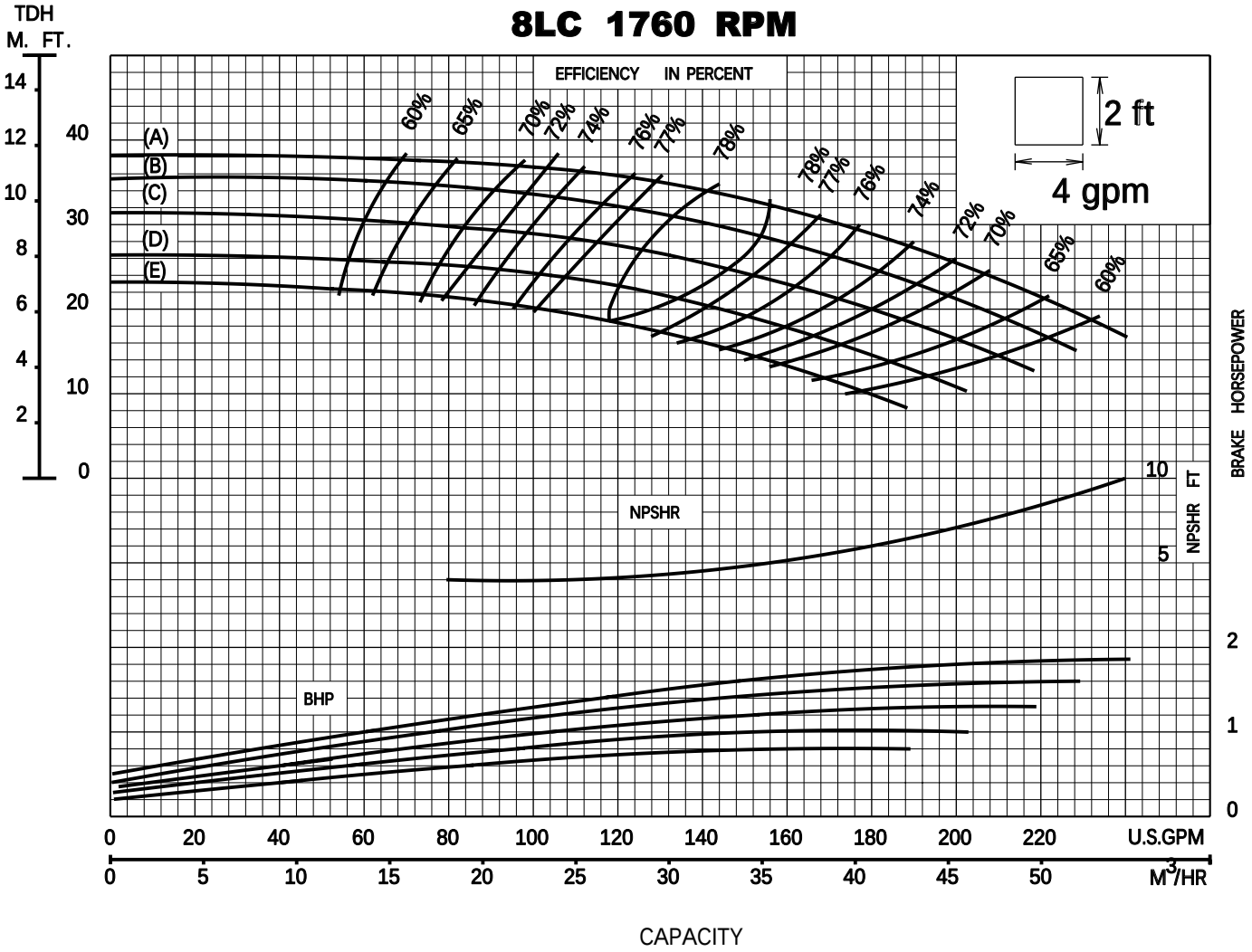
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JULY 1997

8LC 1760 RPM



IMPELLER DATA

Impeller Number	3630	
Material	BRONZE	
Type	CLOSED	
Thrust Factor	K=2.98	
Eye Area	4.64	sq. in.
Weight	5.75	lb.

TRIM:
(A) 6.313" X 0°
(B) 6.000" X 0
(C) 5.625" X 0
(D) 5.250" X 0
(E) 4.875" X 0

Minimum submergence above eye of bottom impeller: 12 in.

EFFICIENCY CORRECTION

Number of Bowls	1	2	3		
Change as follows	-4	-2	0		

Change in efficiency may affect both head and horsepower.

BOWL DATA

Bowl Number	3629 C.I./ENAM.	
Bowl Dia.	7.813"max 7.500"min	
Max. No. Stages	37	
One Stage Weight	130	lb
Add'l Stage Weight	30	lb
Std. Shaft Dia.	1.000	in
Std. Lateral	0.438	in
Discharge Size	5 - 6	in
Suction Size	5 - 6	in
Max. Sphere Size	0.250	in
Max Operation P.S.I.	692 (special)	

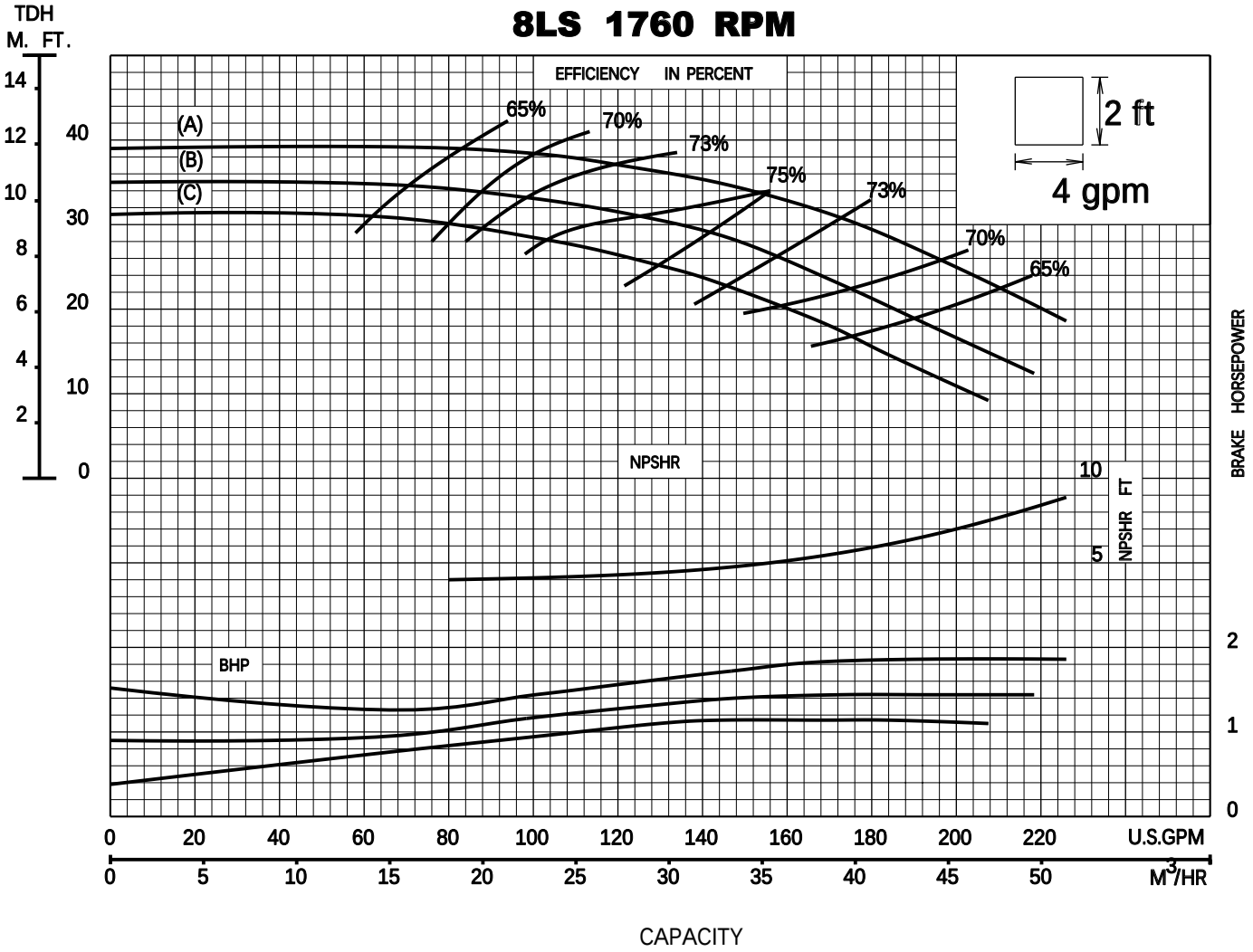
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JULY 1997

8LS 1760 RPM



IMPELLER DATA

Impeller Number	3641	
Material	BRONZE	
Type	SEMI-OPEN	
Thrust Factor	K=3.34	
Eye Area	4.64	sq. in.
Weight	4.25	lb.

TRIM: (A) 6.313" X 0
(B) 6.000" X 0
(C) 5.625" X 0

Minimum submergence above eye of top impeller: 14 in.

EFFICIENCY CORRECTION

Number of Bowls	1	2	3		
Change as follows	-4	-2	0		

Change in efficiency may affect both head and horsepower.

BOWL DATA

Bowl Number	3629 C.I./ENAM.	
Bowl Dia.	7.813"max 7.500"min	
Max. No. Stages	37	
One Stage Weight	130	lb
Add'l Stage Weight	30	lb
Std. Shaft Dia.	1.000	in
Std. Lateral	0.438	in
Discharge Size	5 - 6	in
Suction Size	5 - 6	in
Max. Sphere Size	0.250	in
Max Operation P.S.I.	692 (special)	

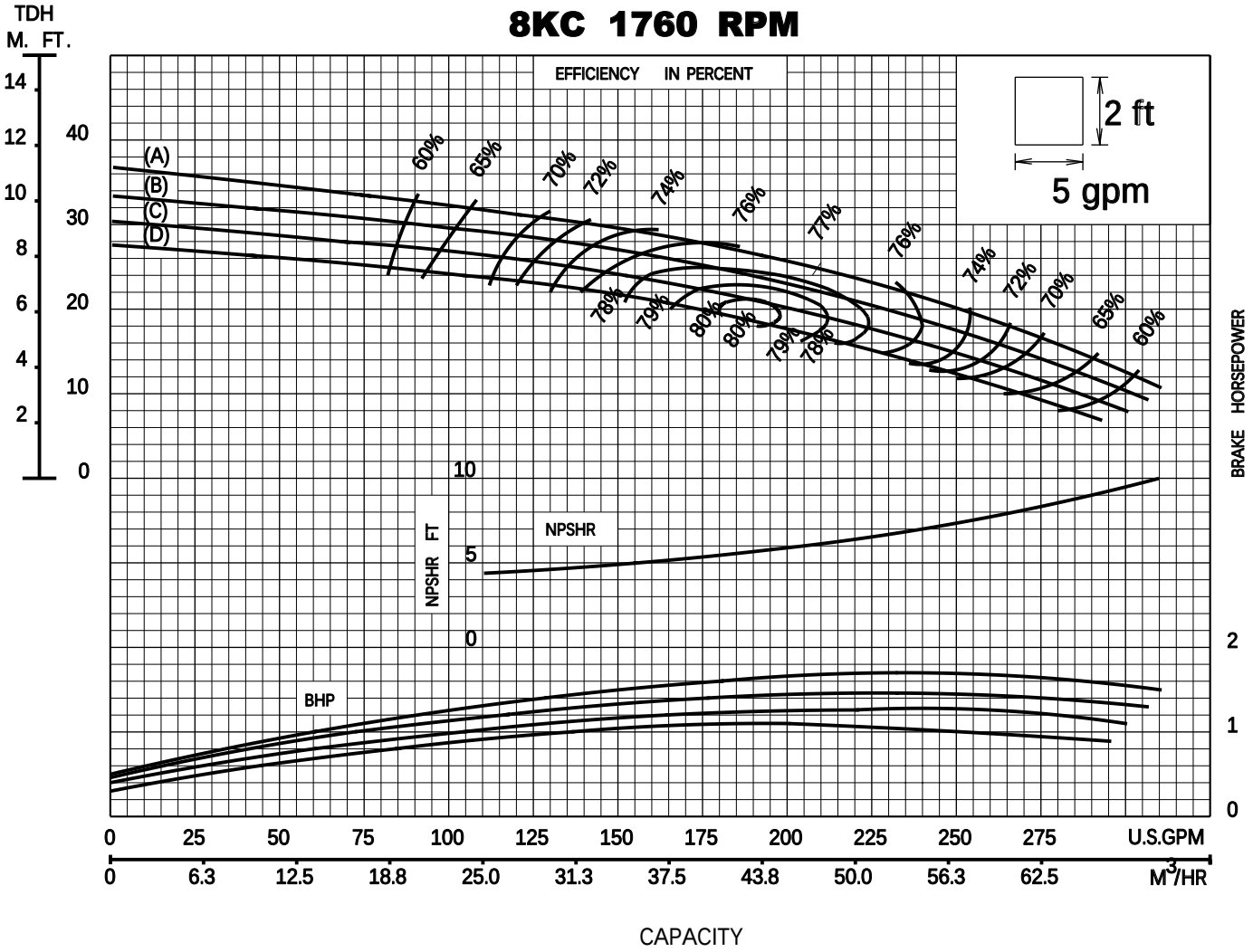
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JULY 1997

8KC 1760 RPM



IMPELLER DATA

Impeller Number	3680	
Material	BRONZE	
Type	CLOSED	
Thrust Factor	K=3.93	
Eye Area	5.72	sq. in.
Weight	5.50	lb.

TRIM:
(A) 6.313" X 18°
(B) 6.000" X 18°
(C) 5.750" X 18°
(D) 5.500" X 18°

Minimum submergence above eye of bottom impeller: 12 in.

EFFICIENCY CORRECTION

Number of Bowls	1	2	3		
Change as follows	-3	-1	0		

Change in efficiency may affect both head and horsepower.

BOWL DATA

Bowl Number	3591 C.I./ENAM.	
Bowl Dia.	7.938"max 7.500"min	
Max. No. Stages	37	
One Stage Weight	130	lb
Add'l Stage Weight	30	lb
Std. Shaft Dia.	1.000	in
Std. Lateral	0.438	in
Discharge Size	5 - 6	in
Suction Size	5 - 6	in
Max. Sphere Size	0.375	in
Max Operation P.S.I.	692 (special)	

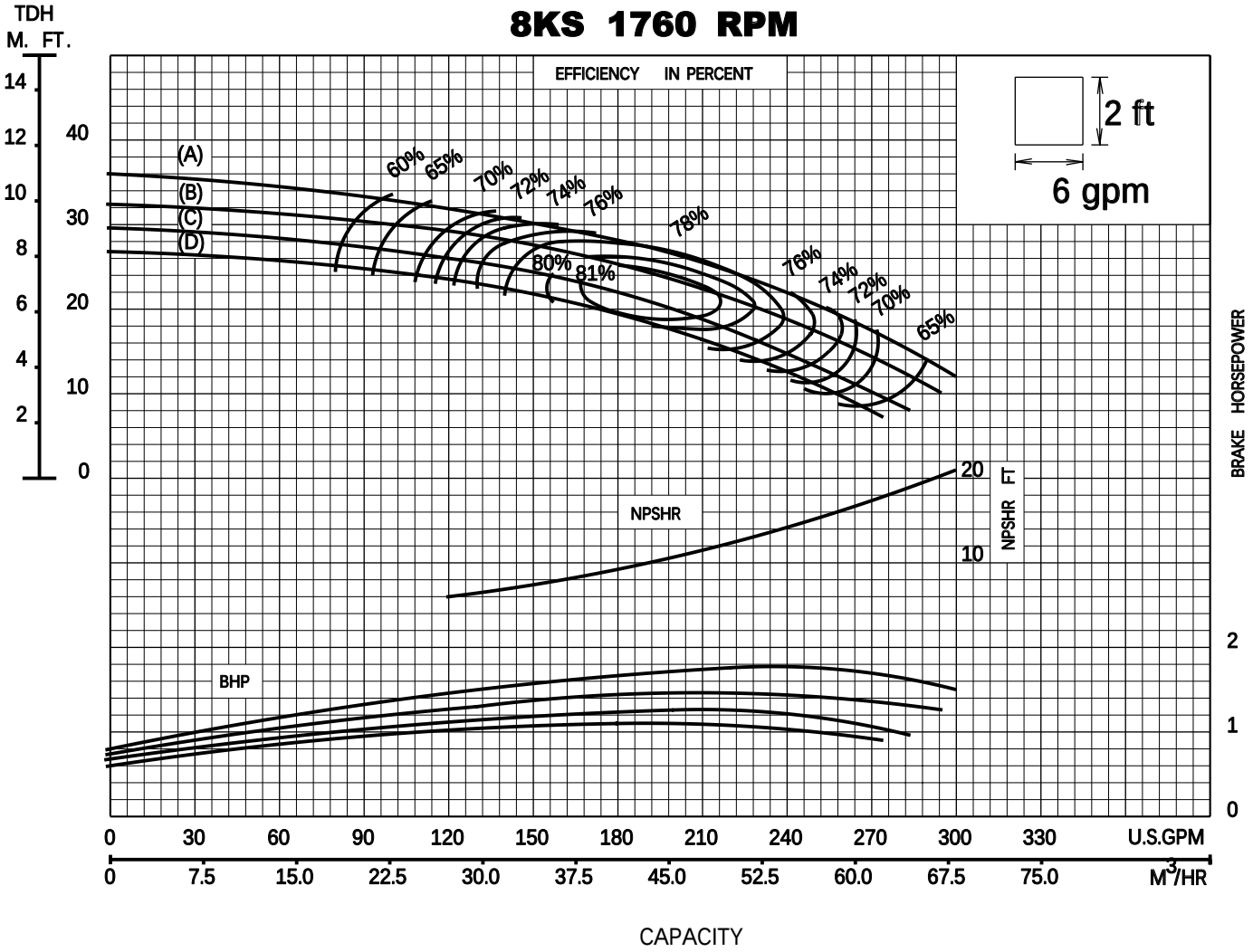
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JULY 1997

8KS 1760 RPM



IMPELLER DATA

Impeller Number	3693	
Material	BRONZE	
Type	SEMI-OPEN	
Thrust Factor	K=4.42	
Eye Area	5.72	sq. in.
Weight	3.75	lb.

TRIM:
(A) 6.313" X 18°
(B) 6.000" X 18°
(C) 5.750" X 18°
(D) 5.500" X 18°

Minimum submergence above eye of top impeller:14 in.

EFFICIENCY CORRECTION

Number of Bowls	1	2	3		
Change as follows	-3	-1	0		

Change in efficiency may affect both head and horsepower.

BOWL DATA

Bowl Number	3591-S,C.I./ENAM.	
Bowl Dia.	7.938"max 7.500"min	
Max. No. Stages	37	
One Stage Weight	130	lb
Add'l Stage Weight	30	lb
Std. Shaft Dia.	1.000	in
Std. Lateral	0.438	in
Discharge Size	5 - 6	in
Suction Size	5 - 6	in
Max. Sphere Size	0.375	in
Max Operation P.S.I.	692 (special)	

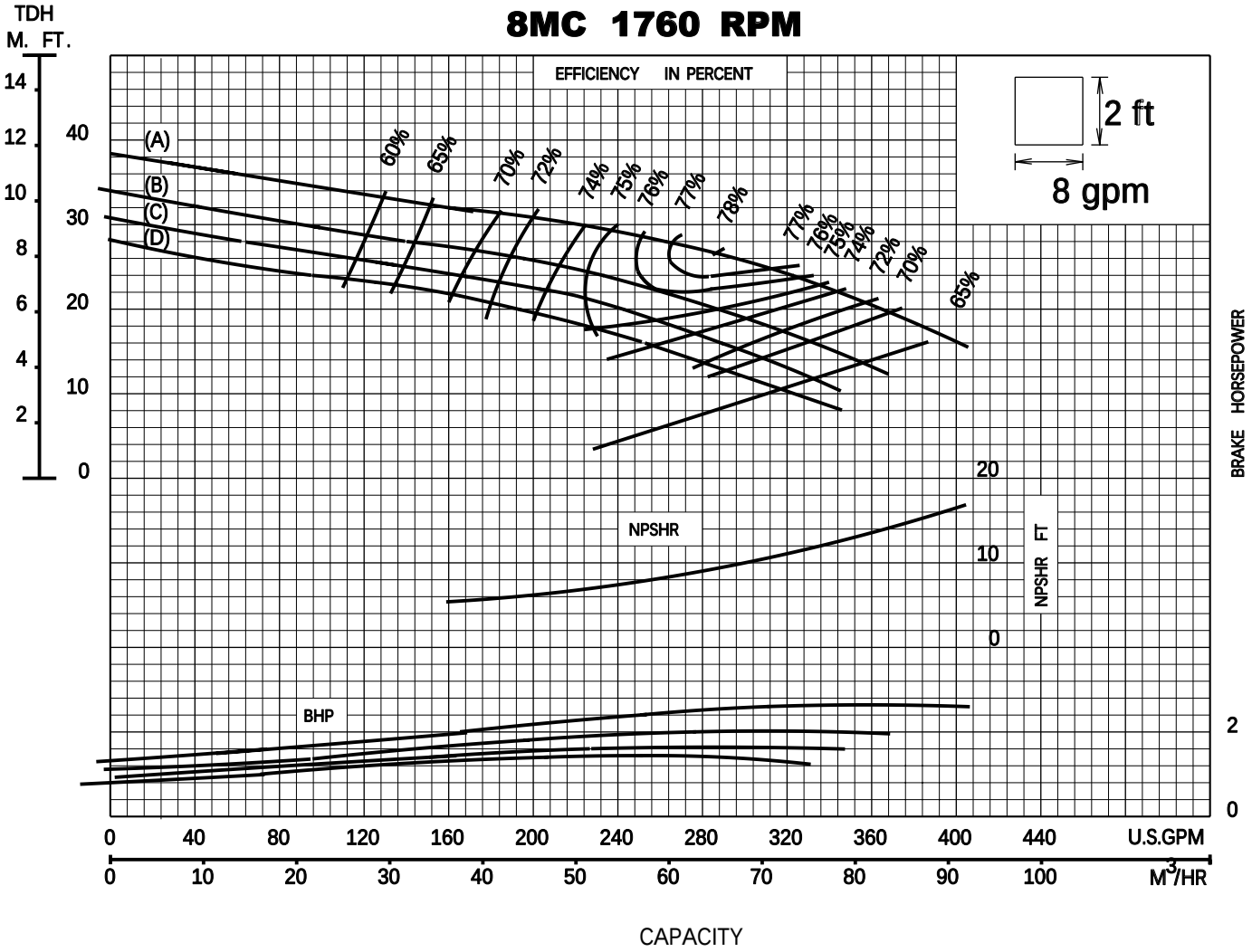
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

SEPTEMBER 1997

8MC 1760 RPM



IMPELLER DATA

Impeller Number	3589		
Material	BRONZE		
Type	CLOSED		
Thrust Factor	K=3.93		
Eye Area	6.50	sq. in.	
Weight	5.00	lb.	

TRIM:
(A) 6.313" X 27.5°
(B) 6.000" X 27.5°
(C) 5.750" X 27.5°
(D) 5.500" X 27.5°

Minimum submergence above eye of bottom impeller:12 in.

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.

BOWL DATA

Bowl Number	3591 C.I./ENAM.	
Bowl Dia.	7.938"max 7.500"min	
Max. No. Stages	23	
One Stage Weight	130	lb
Add'l Stage Weight	30	lb
Std. Shaft Dia.	1.000	in
Std. Lateral	0.438	in
Discharge Size	5 - 6	in
Suction Size	5 - 6	in
Max. Sphere Size	0.375	in
Max Operation P.S.I.	692 (special)	

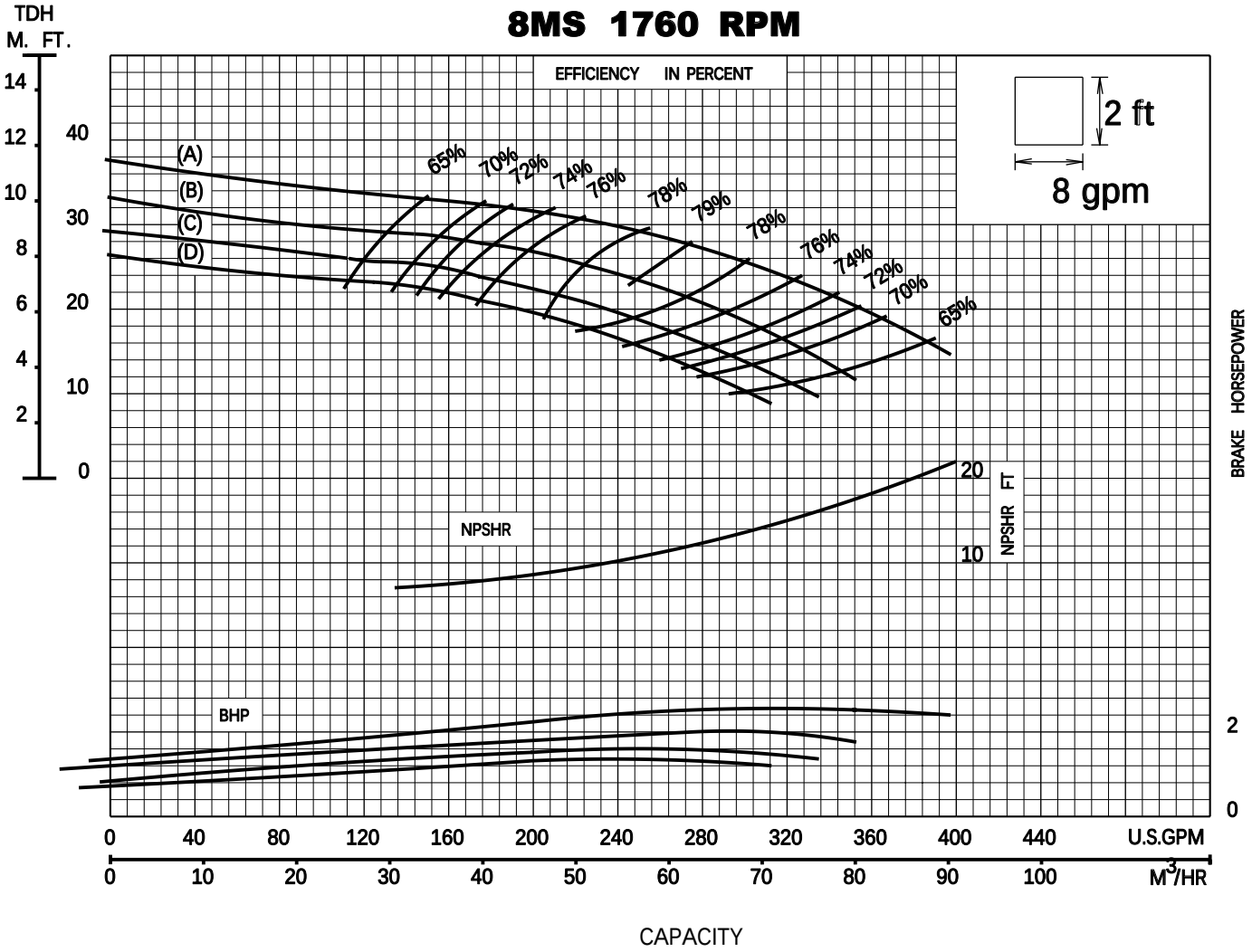
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

SEPTEMBER 1997

8MS 1760 RPM



IMPELLER DATA

Impeller Number	3590	
Material	BRONZE	
Type	SEMI-OPEN	
Thrust Factor	K=4.280	
Eye Area	6.600	sq. in.
Weight	4.125	lb.

TRIM:
(A) 6.313" X 27.5°
(B) 6.000" X 27.5°
(C) 5.750" X 27.5°
(D) 5.500" X 27.5°

Minimum submergence above eye of top impeller:14 in.

BOWL DATA

Bowl Number	3591-S,C.I./ENAM.	
Bowl Dia.	7.938"max 7.500"min	
Max. No. Stages	23	
One Stage Weight	130	lb
Add'l Stage Weight	30	lb
Std. Shaft Dia.	1.000	in
Std. Lateral	0.438	in
Discharge Size	5 - 6	in
Suction Size	5 - 6	in
Max. Sphere Size	0.375	in
Max Operation P.S.I.	692 (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.

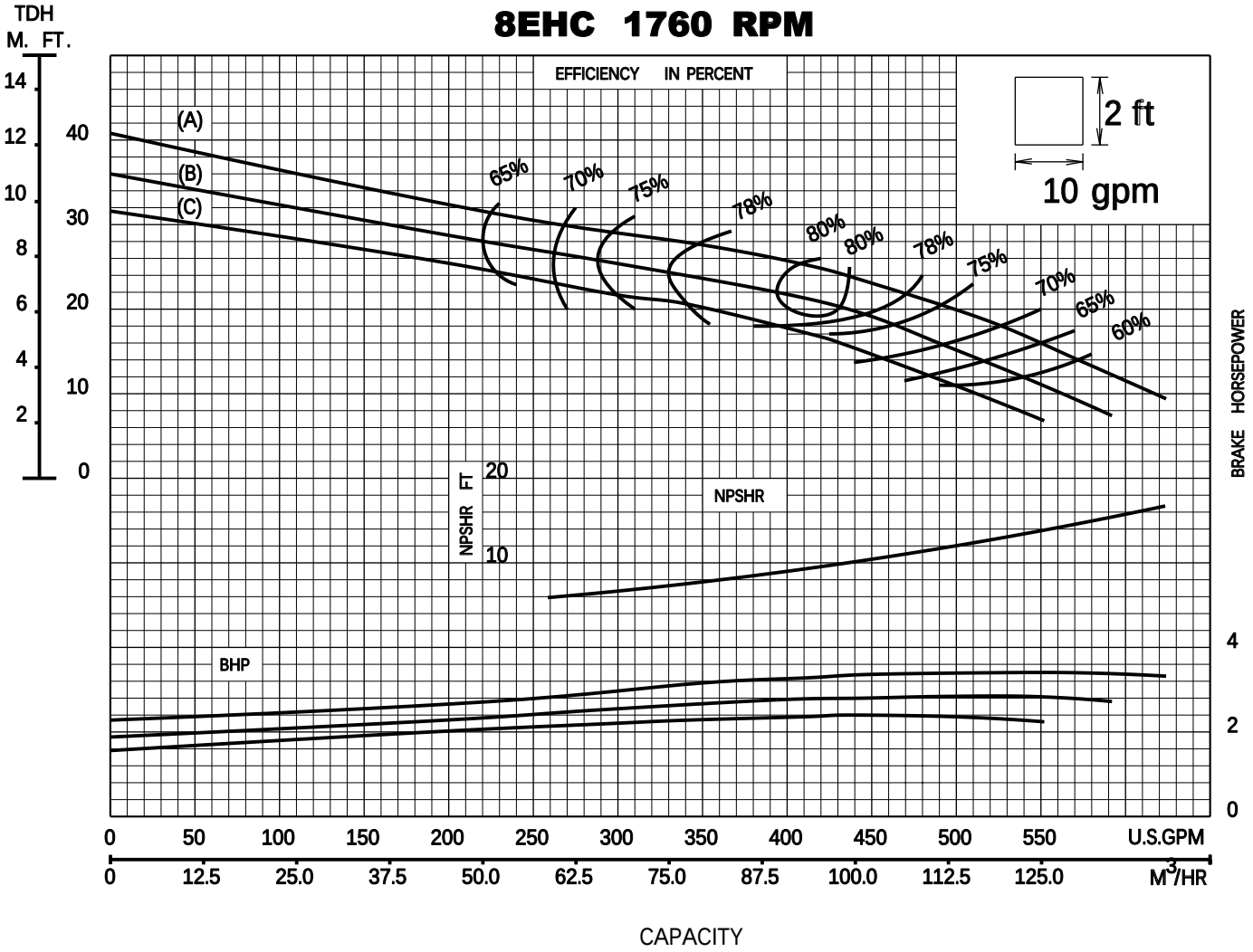
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

SEPTEMBER 1997

8EHC 1760 RPM



IMPELLER DATA

Impeller Number	2978		
Material	BRONZE		
Type	CLOSED		
Thrust Factor	K=5.40		
Eye Area	8.33	sq. in.	
Weight	5.00	lb.	

TRIM: (A) 6.313" X 29.5
(B) 6.000" X 29.5
(C) 5.750" X 29.5

Minimum submergence above eye of bottom impeller: 12 in.

BOWL DATA

Bowl Number	2883 C.I./ENAM.	
Bowl Dia.	7.938" max 7.500" min	
Max. No. Stages	19	
One Stage Weight	130	lb
Add'l Stage Weight	30	lb
Std. Shaft Dia.	1.000	in
Std. Lateral	0.375	in
Discharge Size	5 - 6	in
Suction Size	5 - 6	in
Max. Sphere Size	0.625	in
Max Operation 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.

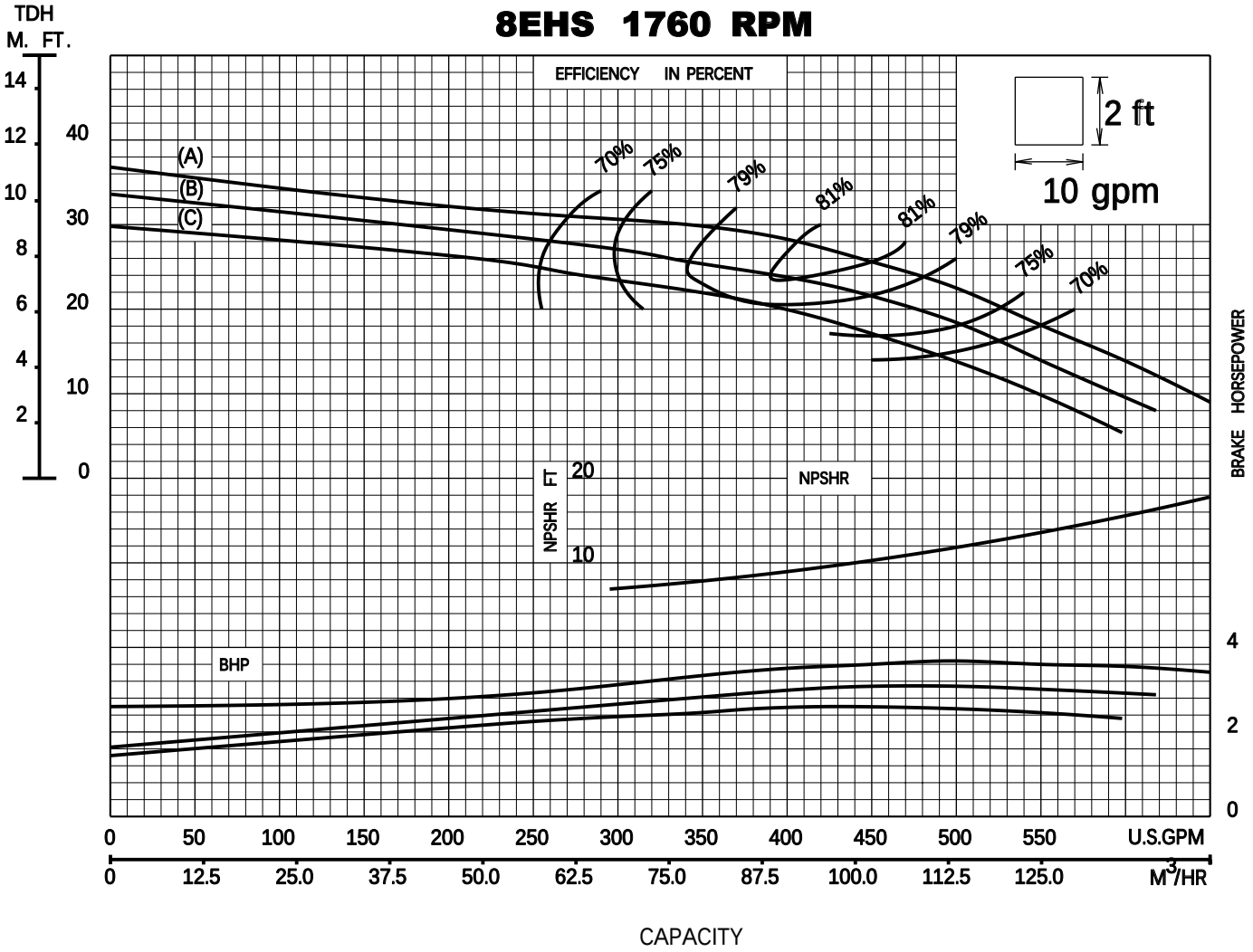
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

SEPTEMBER 1997

8EHS 1760 RPM



IMPELLER DATA

Impeller Number	2981	
Material	BRONZE	
Type	SEMI-OPEN	
Thrust Factor	K=5.40	
Eye Area	8.48	sq. in.
Weight	3.25	lb.

TRIM: (A) 6.313" X 29.5
(B) 6.000" X 29.5
(C) 5.750" X 29.5

Minimum submergence above eye of top impeller:14 in.

BOWL DATA

Bowl Number	2883 C.I./ENAM.	
Bowl Dia.	7.938"max 7.500"min	
Max. No. Stages	18	
One Stage Weight	130	lb
Add'l Stage Weight	30	lb
Std. Shaft Dia.	1.000	in
Std. Lateral	0.375	in
Discharge Size	5 - 6	in
Suction Size	5 - 6	in
Max. Sphere Size	0.625	in
Max Operation 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.

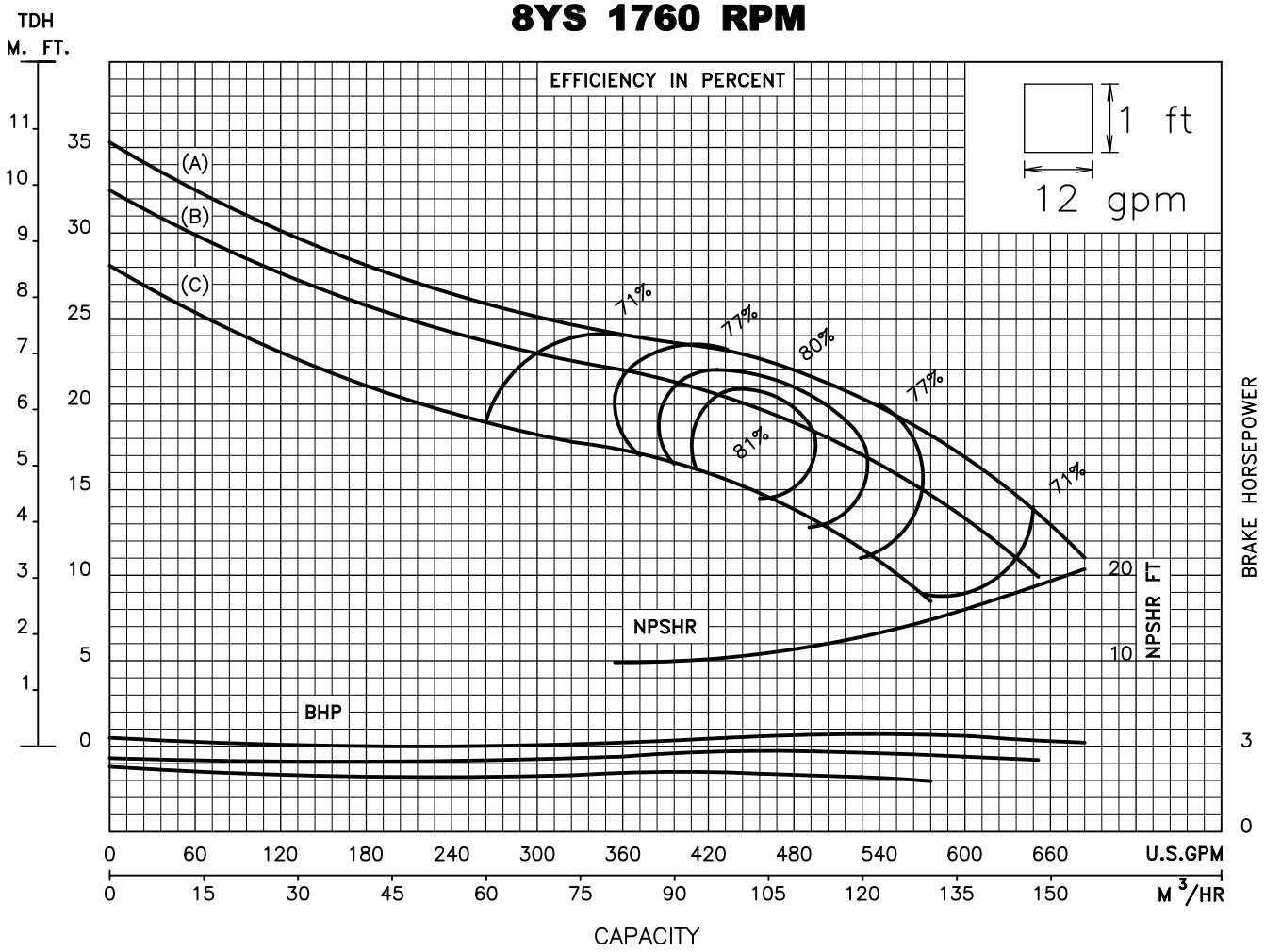
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

SEPTEMBER 1997

8YS 1760 RPM



IMPELLER DATA

Impeller Number	5506
Material	BRONZE
Type	SEMI–OPEN
Thrust Factor	K=8.00
Eye Area	15.90 sq. in.
Weight	5.00 lb.

TRIM: (A) 6.344" X 37°
(B) 6.063" X 37°
(C) 5.750" X 37°

Minimum submergence above eye of top impeller: 20 in.

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.

BOWL DATA

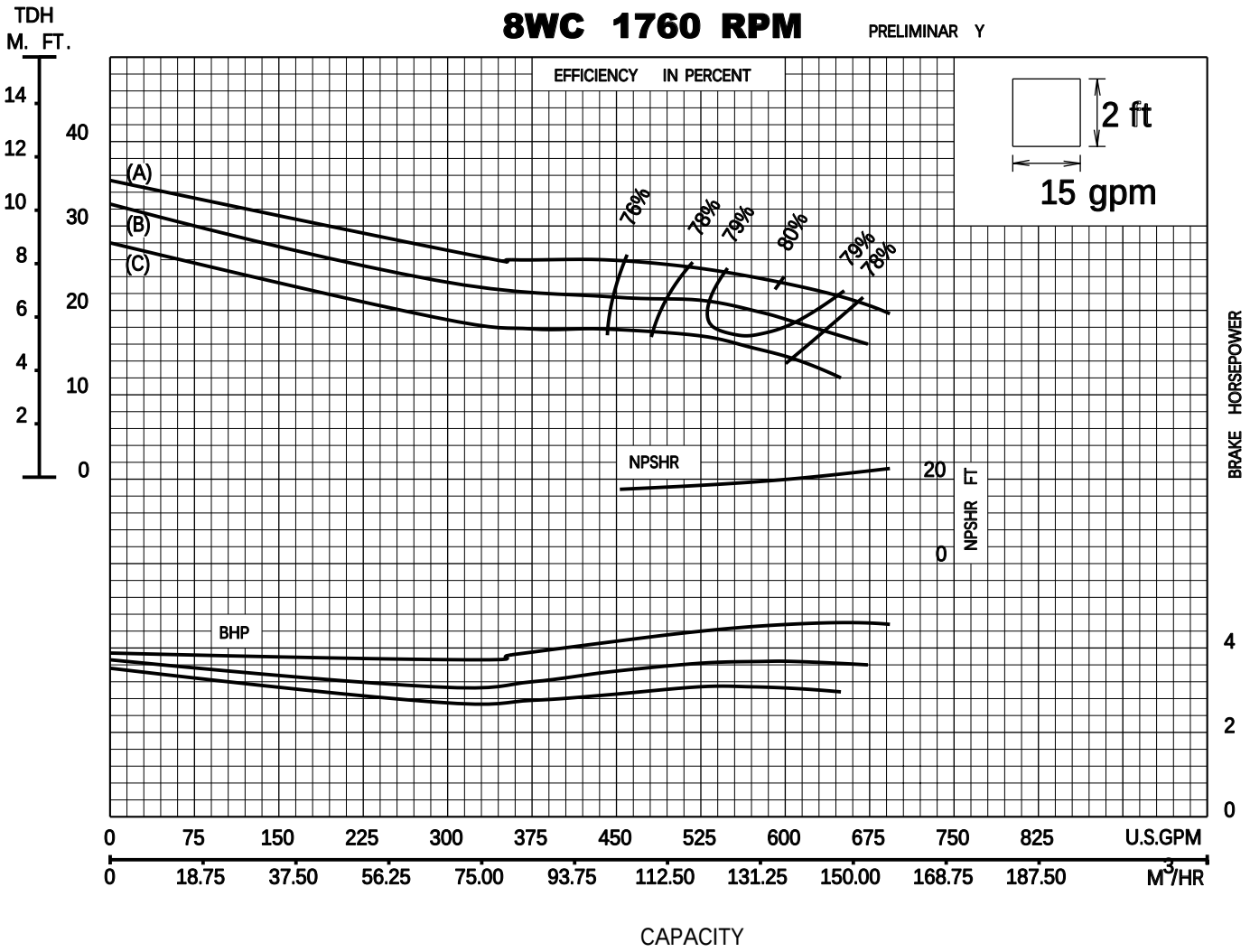
Bowl Number	5503 C.I./ENAM.	
Bowl Dia.	7.938"max 7.500"min	
Max. No. Stages	32	
One Stage Weight	139	lb
Add'l Stage Weight	39	lb
Std. Shaft Dia.	1.188	in
Std. Lateral	0.375	in
Discharge Size	5 – 6	in
Suction Size	5 – 6	in
Max. Sphere Size	1.125	in
Max Operation P.S.I.	692 (special)	

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

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

FEBRUAR Y 1999



IMPELLER DATA

Impeller Number	3050		
Material	BRONZE		
Type	CLOSED		
Thrust Factor	K= 6.20		
Eye Area	17.20	sq. in.	
Weight	6.50	lb.	

TRIM: (A) 6.313" X 27°
(B) 6.000" X 27°
(C) 5.688" X 27°

Minimum submergence above eye of bottom impeller: 18 in.

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.

THREADED BOWL DATA

Bowl Number	3169 C.I./ENAM.	
Bowl Dia.	7.750"max 7.625"min	
Max. No. Stages	26	
One Stage Weight	88	lb
Add'l Stage Weight	39	lb
Std. Shaft Dia.	1.188	in
Std. Lateral	0.438	in
Discharge Size	5 - 6	in
Suction Size	5 - 6	in
Max. Sphere Size	1.125	in
Max Operation P.S.I.	692 (special)	

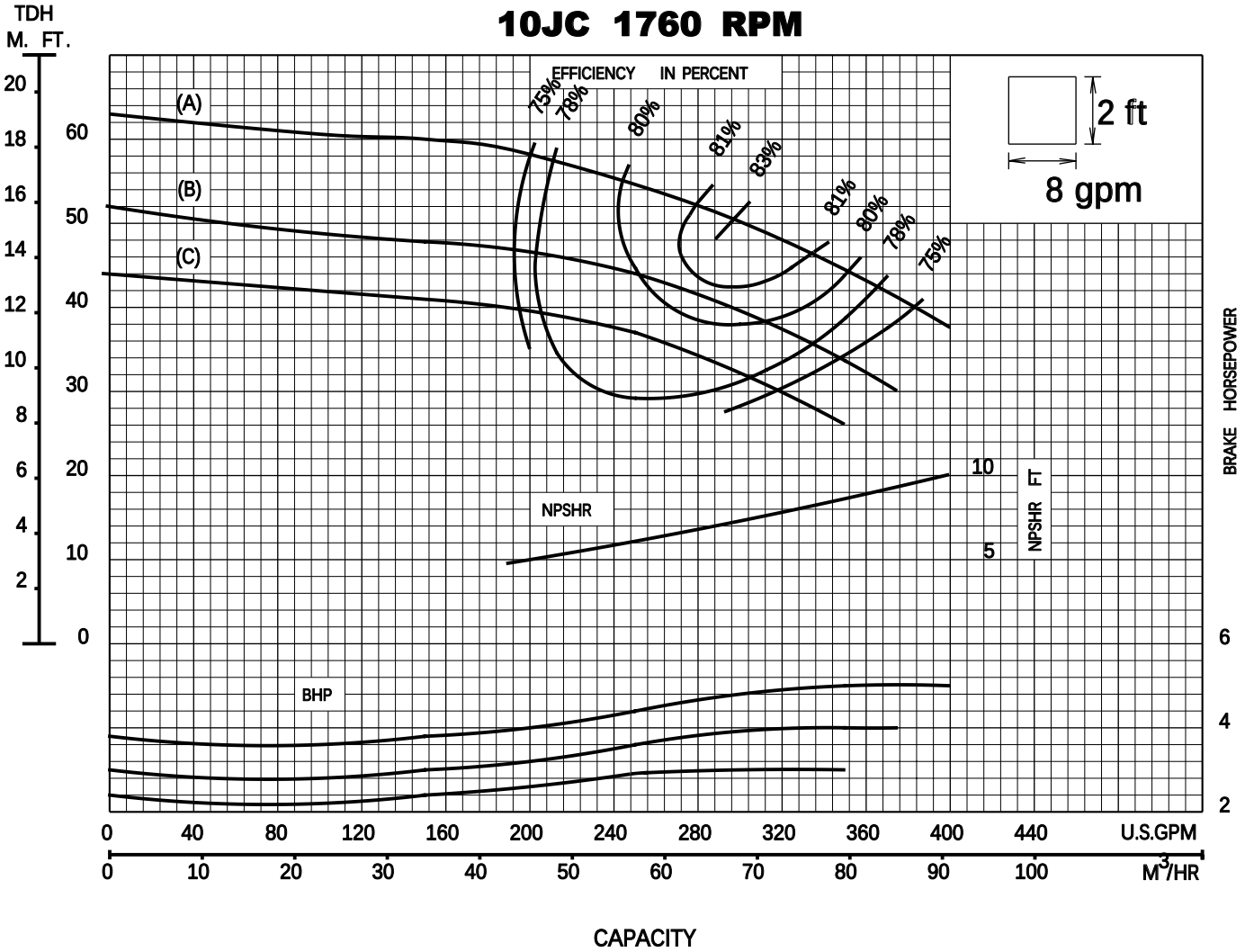
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

SEPTEMBER 1997

10JC 1760 RPM



IMPELLER DATA

Impeller Number	3094	
Material	BRONZE	
Type	CLOSED	
Thrust Factor	K=3.98	
Eye Area	7.89	sq. in.
Weight	9.25	lb.

TRIM:
(A) 7.725" X 25.5°
(B) 7.203" X 25.5°
(C) 6.797" X 25.5°

Minimum submergence above eye of bottom impeller:22 in.

BOWL DATA

Bowl Number	3096 C.I./ENAM.	
Bowl Dia.	9.875"max 9.500"min	
Max. No. Stages	33	
One Stage Weight	230	lb
Add'l Stage Weight	55	lb
Std. Shaft Dia.	1.500	in
Std. Lateral	0.500	in
Discharge Size	6 - 8	in
Suction Size	6 - 8	in
Max. Sphere Size	0.438	in
Max Operation P.S.I.	595 (special)	

EFFICIENCY CORRECTION

Number of Bowls	1	2	3	4	5
Change as follows	-5	-4	-3	-1	0

Change in efficiency may affect both head and horsepower.

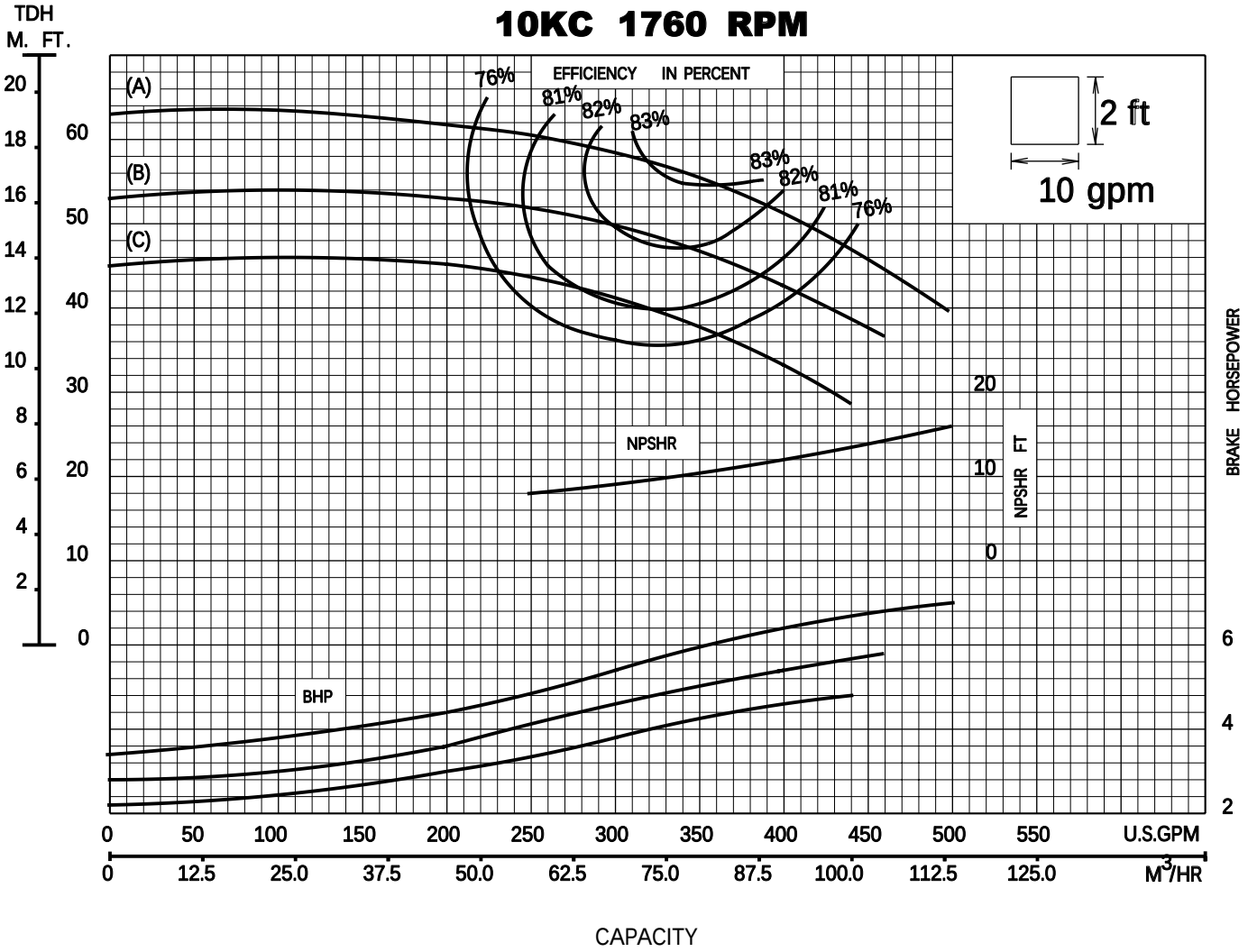
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

SEPTEMBER 1997

10KC 1760 RPM



CAPACITY

IMPELLER DATA

Impeller Number	3095	
Material	BRONZE	
Type	CLOSED	
Thrust Factor	K=4.20	
Eye Area	7.89	sq. in.
Weight	9.50	lb.

TRIM:
(A) 7.725" X 25.5°
(B) 7.203" X 25.5°
(C) 6.797" X 25.5°

Minimum submergence above eye of bottom impeller: 22 in.

BOWL DATA

Bowl Number	3096 C.I./ENAM.	
Bowl Dia.	9.875"max 9.500"min	
Max. No. Stages	33	
One Stage Weight	230	lb
Add'l Stage Weight	55	lb
Std. Shaft Dia.	1.500	in
Std. Lateral	0.500	in
Discharge Size	6 - 8	in
Suction Size	6 - 8	in
Max. Sphere Size	0.438	in
Max Operation P.S.I.	595 (special)	

EFFICIENCY CORRECTION

Number of Bowls	1	2	3	4	5
Change as follows	-5	-4	-3	-1	0

Change in efficiency may affect both head and horsepower.

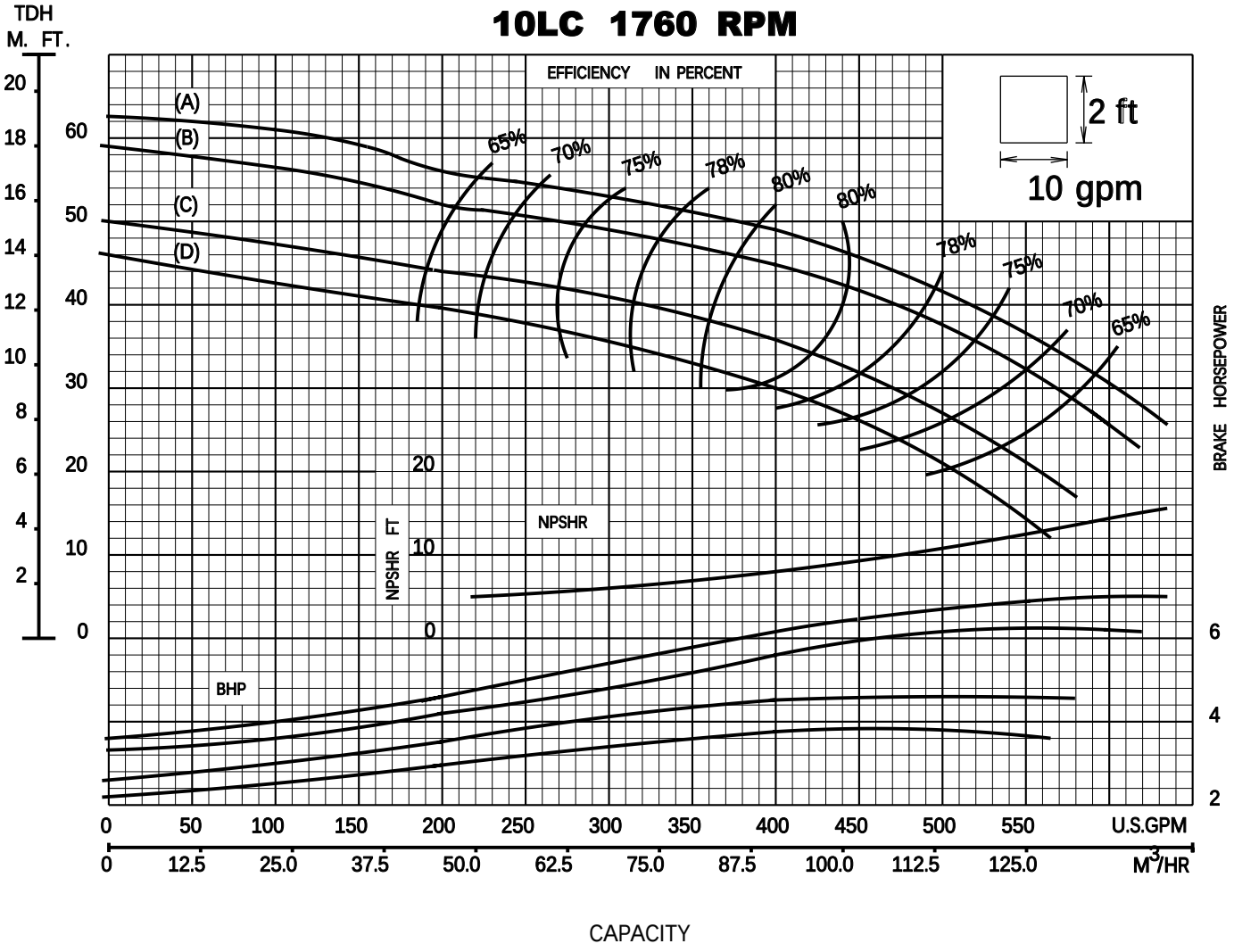
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

SEPTEMBER 1997

10LC 1760 RPM



IMPELLER DATA

Impeller Number	3102	TRIM:	(A) 7.688" X 20°
Material	BRONZE		(B) 7.500" X 20°
Type	CLOSED		(C) 7.125" X 20°
Thrust Factor	K=6.60		(D) 6.875" X 20°
Eye Area	10.17 sq. in.		Minimum submergence above eye of bottom impeller:22 in.
Weight	9.75 lb.		

BOWL DATA

Bowl Number	3098 C.I./ENAM.	
Bowl Dia.	9.500"max 9.250"min	
Max. No. Stages	34	
One Stage Weight	230	lb
Add'l Stage Weight	55	lb
Std. Shaft Dia.	1.500	in
Std. Lateral	0.625	in
Discharge Size	6 - 8	in
Suction Size	6 - 8	in
Max. Sphere Size	0.500	in
Max Operation 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.

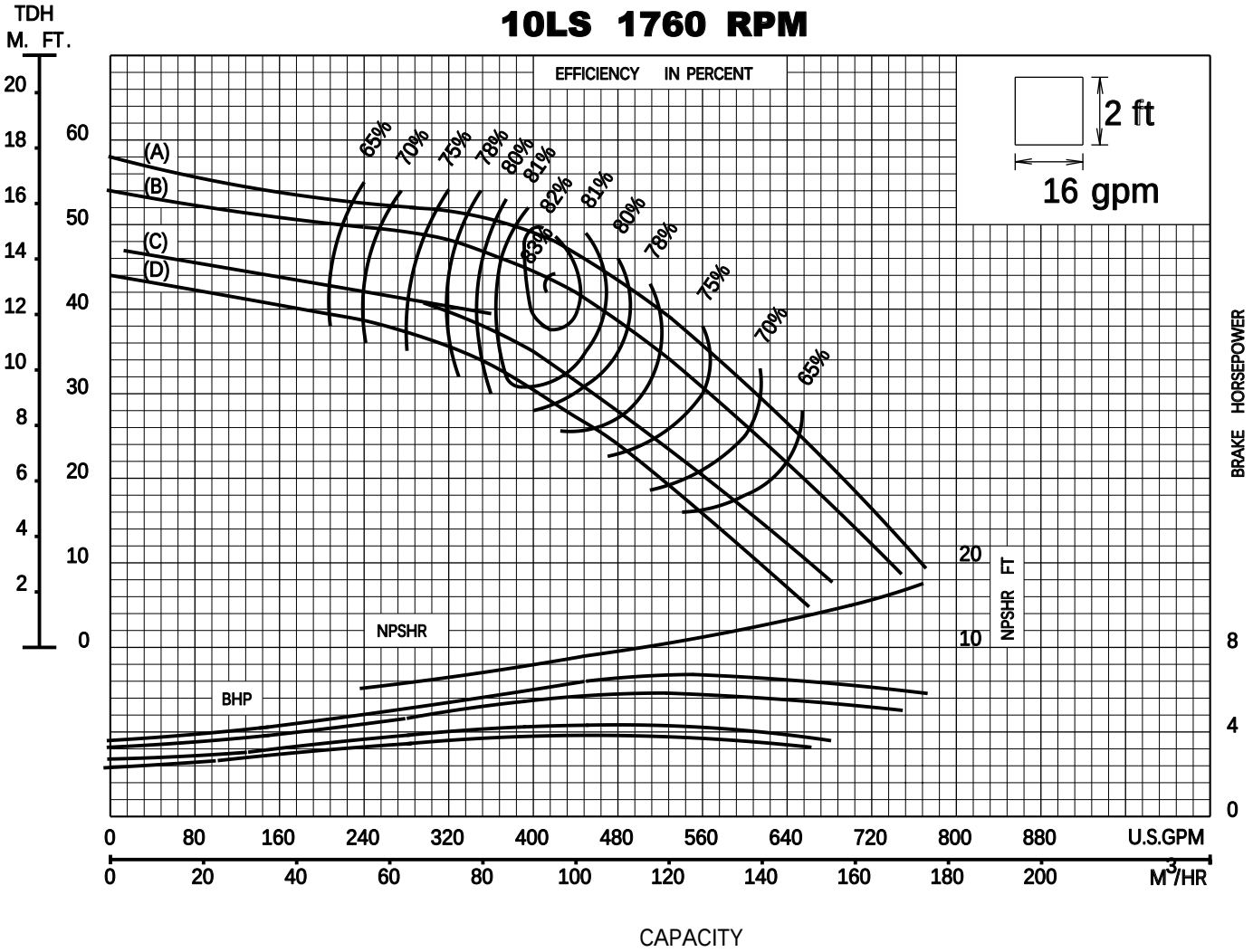
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

SEPTEMBER 1997

10LS 1760 RPM



IMPELLER DATA

Impeller Number	3103	
Material	BRONZE	
Type	SEMI-OPEN	
Thrust Factor	K=7.50	
Eye Area	11.74	sq. in.
Weight	6.25	lb.

TRIM:
(A) 7.688" X 20°
(B) 7.500" X 20°
(C) 7.125" X 20°
(D) 6.875" X 20°

Minimum submergence above eye of top impeller: 22 in.

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.

BOWL DATA

Bowl Number	3098-S,C.I./ENAM.	
Bowl Dia.	9.500"max 9.250"min	
Max. No. Stages	34	
One Stage Weight	230	lb
Add'l Stage Weight	55	lb
Std. Shaft Dia.	1.500	in
Std. Lateral	0.625	in
Discharge Size	6 - 8	in
Suction Size	6 - 8	in
Max. Sphere Size	0.500	in
Max Operation P.S.I.	595 (special)	

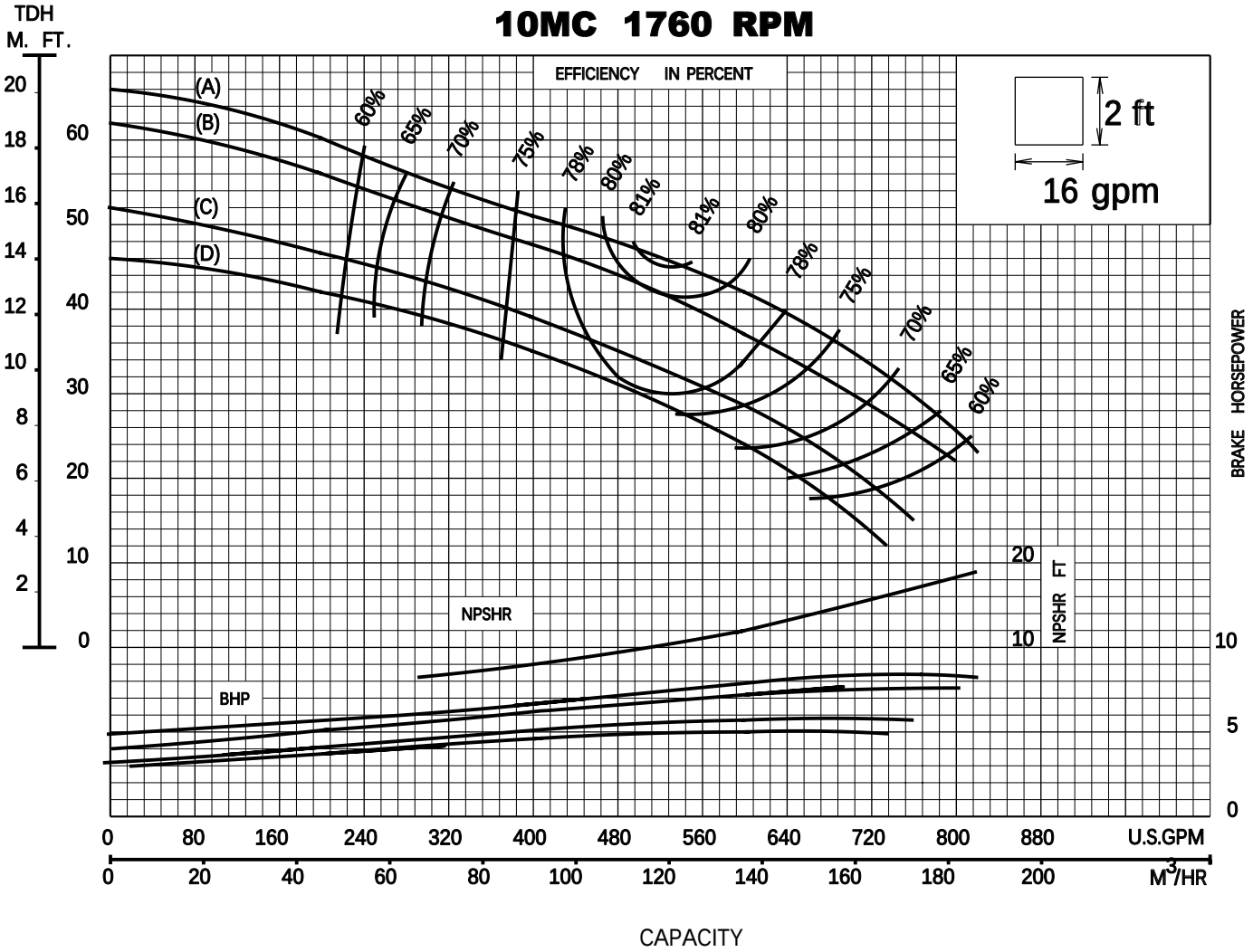
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JULY 1997

10MC 1760 RPM



IMPELLER DATA

Impeller Number	3097	
Material	BRONZE	
Type	CLOSED	
Thrust Factor	K=6.60	
Eye Area	11.74	sq. in.
Weight	8.50	lb.

TRIM:
(A) 7.688" X 26°
(B) 7.500" X 26°
(C) 7.125" X 26°
(D) 6.875" X 26°

Minimum submergence above eye of bottom impeller:24 in.

EFFICIENCY CORRECTION

Number of Bowls	1	2	3	4
Change as follows	-5	-2	-1	0

Change in efficiency may affect both head and horsepower.

BOWL DATA

Bowl Number	3098 C.I./ENAM.	
Bowl Dia.	9.500"max 9.250"min	
Max. No. Stages	30	
One Stage Weight	230	lb
Add'l Stage Weight	55	lb
Std. Shaft Dia.	1.500	in
Std. Lateral	0.625	in
Discharge Size	6 - 8	in
Suction Size	6 - 8	in
Max. Sphere Size	0.625	in
Max Operation P.S.I.	595 (special)	

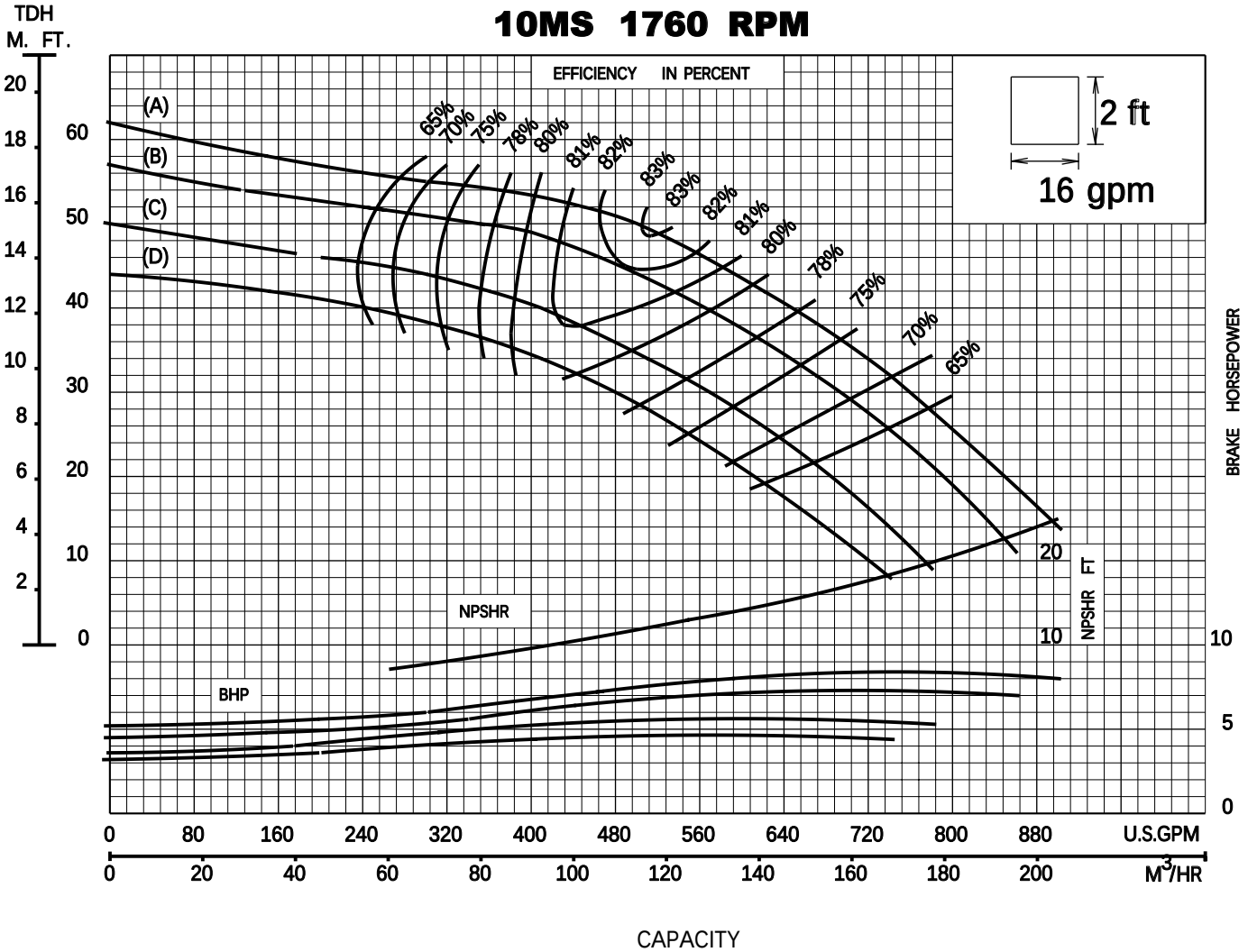
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JUL Y 1997

10MS 1760 RPM



IMPELLER DATA

Impeller Number	3099	TRIM:	(A) 7.688" X 26°
Material	BRONZE		(B) 7.500" X 26°
Type	SEMI-OPEN		(C) 7.125" X 26°
Thrust Factor	K=7.50		(D) 6.875" X 26°
Eye Area	11.74 sq. in.		Minimum submergence above eye of top impeller:24 in.
Weight	5.75 lb.		

BOWL DATA

Bowl Number	3098-S,C.I./ENAM.	
Bowl Dia.	9.500"max 9.250"min	
Max. No. Stages	30	
One Stage Weight	230	lb
Add'l Stage Weight	55	lb
Std. Shaft Dia.	1.500	in
Std. Lateral	0.625	in
Discharge Size	6 - 8	in
Suction Size	6 - 8	in
Max. Sphere Size	0.625	in
Max Operation 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.

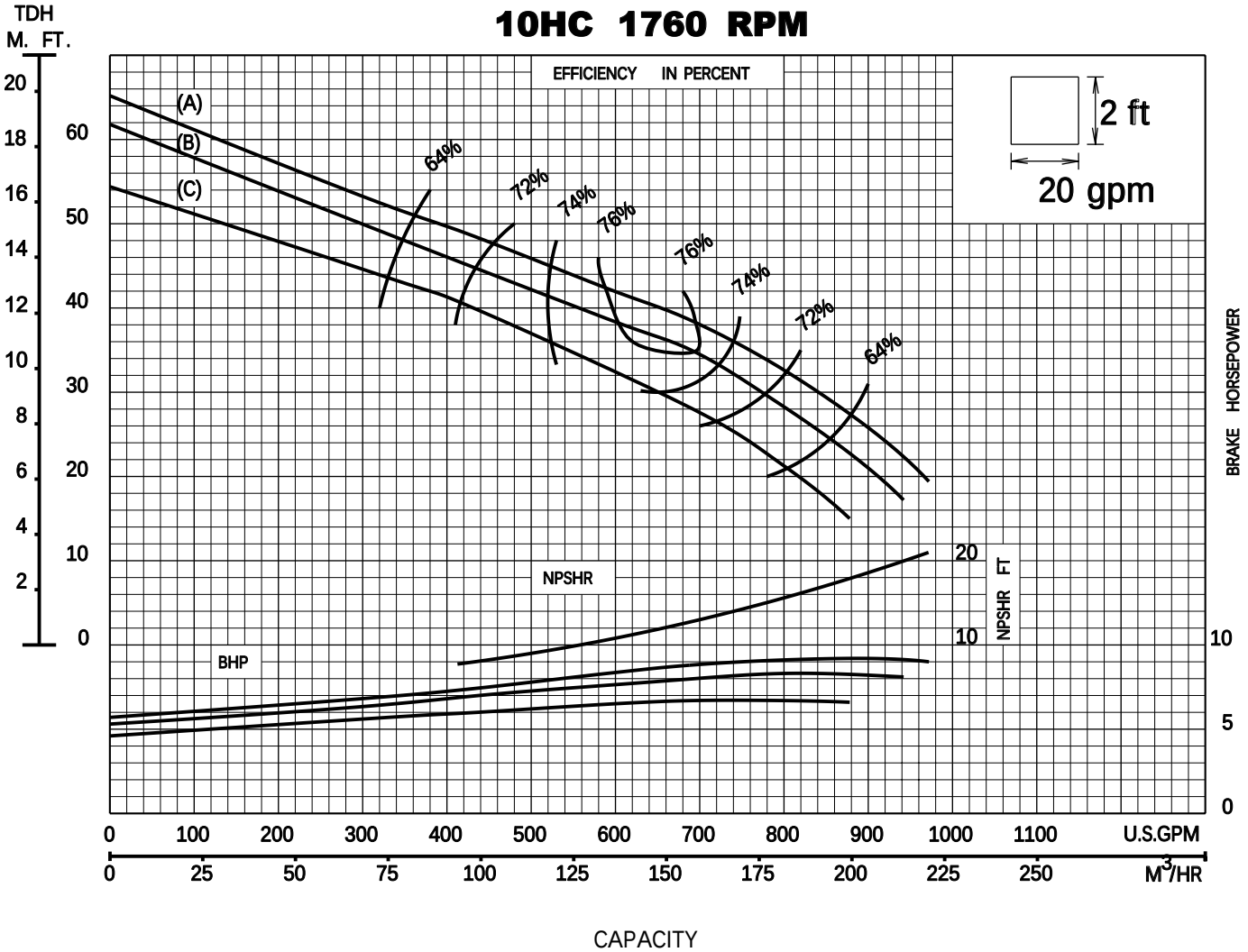
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

SEPTEMBER 1997

10HC 1760 RPM



IMPELLER DATA

Impeller Number	2967	
Material	BRONZE	
Type	CLOSED	
Thrust Factor	K=8.10	
Eye Area	14.90	sq. in.
Weight	8.50	lb.

TRIM: (A) 7.688" X 27
(B) 7.500" X 27
(C) 7.125" X 27

Minimum submergence above eye of bottom impeller: 27 in.

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.

BOWL DATA

Bowl Number	2968 C.I./ENAM.	
Bowl Dia.	9.500"max 9.250"min	
Max. No. Stages	27	
One Stage Weight	230	lb
Add'l Stage Weight	55	lb
Std. Shaft Dia.	1.500	in
Std. Lateral	0.625	in
Discharge Size	6 - 8	in
Suction Size	6 - 8	in
Max. Sphere Size	0.500	in
Max Operation P.S.I.	595 (special)	

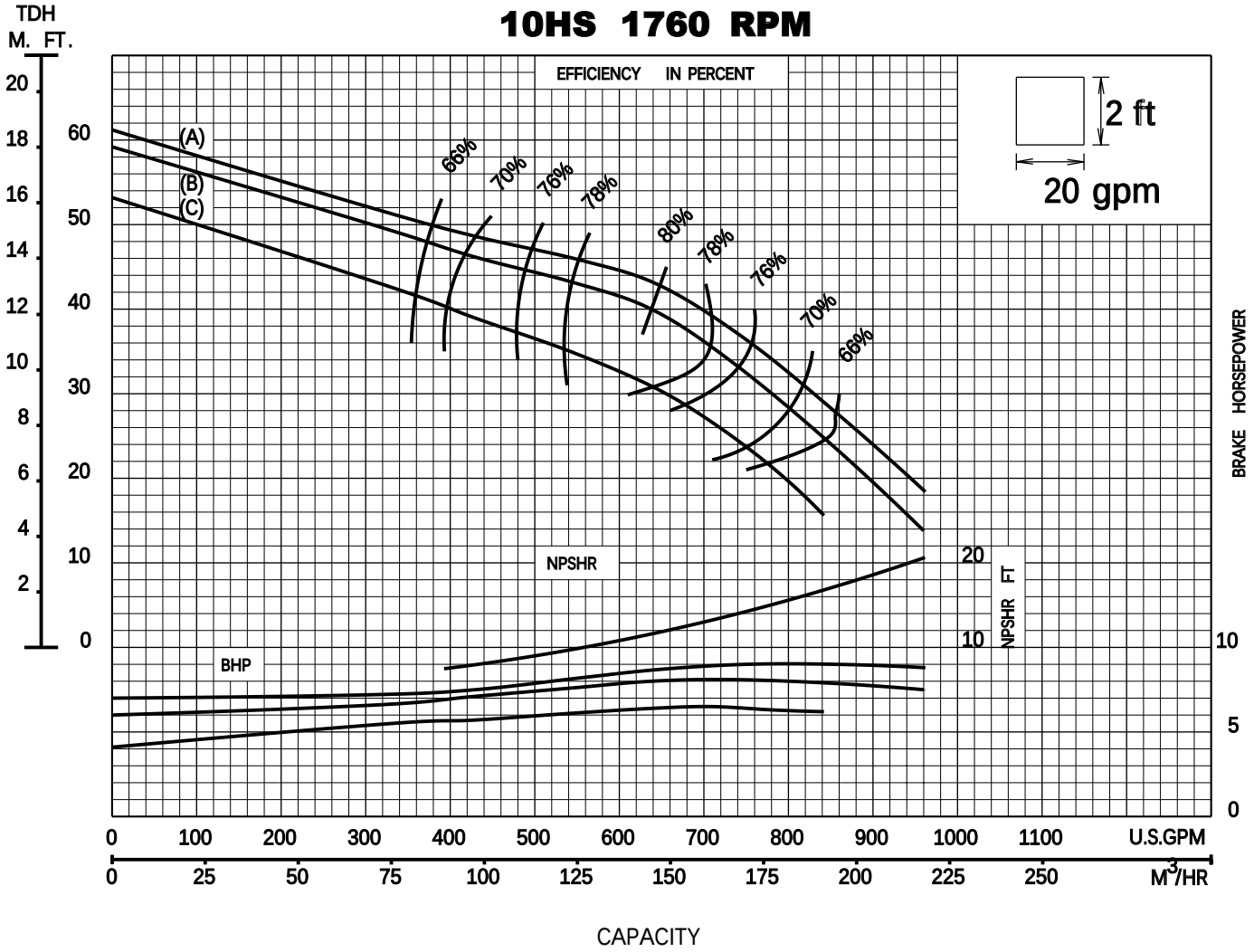
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

SEPTEMBER 1997

10HS 1760 RPM



IMPELLER DATA

Impeller Number	2969	
Material	BRONZE	
Type	SEMI-OPEN	
Thrust Factor	K=9.20	
Eye Area	14.90	sq. in.
Weight	5.25	lb.

TRIM: (A) 7.688" X 27
(B) 7.500" X 27
(C) 7.125" X 27

Minimum submergence above eye of top impeller: 27 in.

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.

BOWL DATA

Bowl Number	2968-S,C.I./ENAM.	
Bowl Dia.	9.500"max 9.250"min	
Max. No. Stages	28	
One Stage Weight	230	lb
Add'l Stage Weight	55	lb
Std. Shaft Dia.	1.500	in
Std. Lateral	0.625	in
Discharge Size	6 - 8	in
Suction Size	6 - 8	in
Max. Sphere Size	0.500	in
Max Operation P.S.I.	595 (special)	

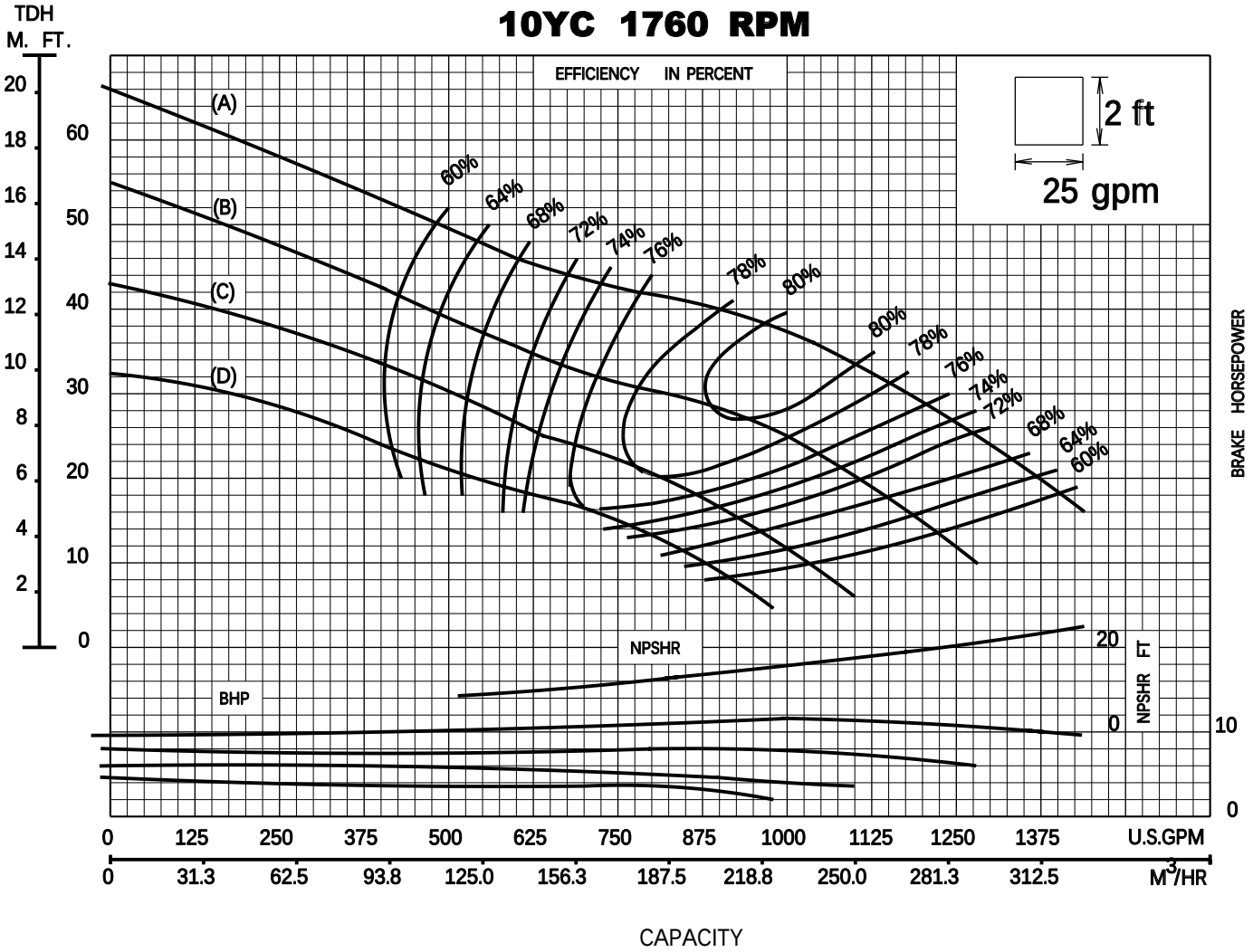
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

SEPTEMBER 1997

10YC 1760 RPM



IMPELLER DATA

Impeller Number	3540	
Material	BRONZE	
Type	CLOSED	
Thrust Factor	K=10.30	
Eye Area	19.40	sq. in.
Weight	11.00	lb.

(A) 8.250" X 33.25°
(B) 7.750" X 33.25°
(C) 7.250" X 33.25°
(D) 6.750" X 33.25°

Minimum submergence above eye of bottom impeller:28 in.

BOWL DATA

Bowl Number	3541 C.I./ENAM.	
Bowl Dia.	9.875"max 9.500"min	
Max. No. Stages	28	
One Stage Weight	250	lb
Add'l Stage Weight	60	lb
Std. Shaft Dia.	1.688	in
Std. Lateral	0.750	in
Discharge Size	6 - 8	in
Suction Size	6 - 8	in
Max. Sphere Size	0.875	in
Max Operation 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.

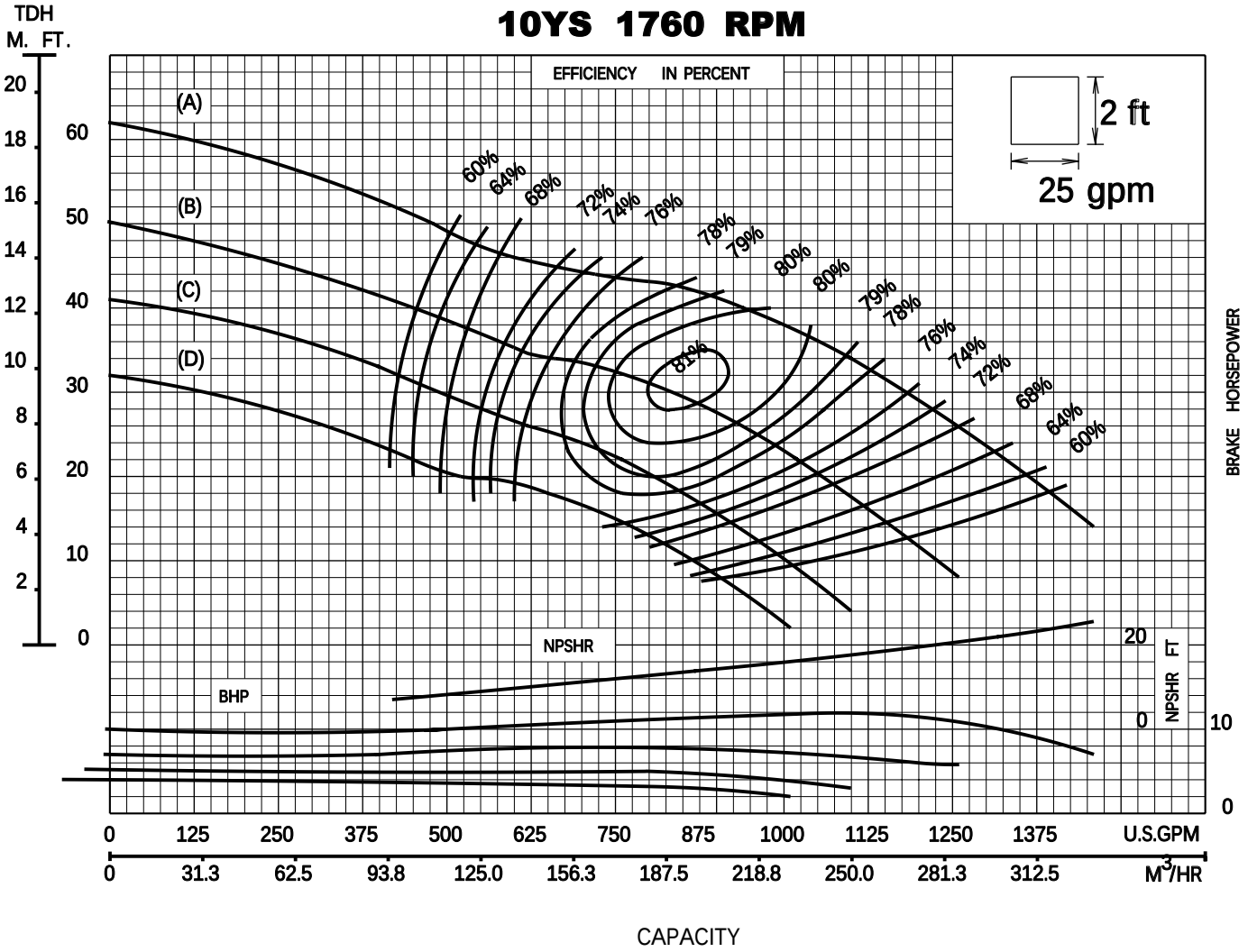
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

SEPTEMBER 1997

10YS 1760 RPM



IMPELLER DATA

Impeller Number	3542	
Material	BRONZE	
Type	SEMI-OPEN	
Thrust Factor	K=11.40	
Eye Area	19.40	sq. in.
Weight	7.25	lb.

TRIM:
(A) 8.250" X 33.25°
(B) 7.750" X 33.25°
(C) 7.250" X 33.25°
(D) 6.750" X 33.25°

Minimum submergence above eye of top impeller:28 in.

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.

BOWL DATA

Bowl Number	3541 C.I./ENAM.	
Bowl Dia.	9.875"max 9.500"min	
Max. No. Stages	28	
One Stage Weight	250	lb
Add'l Stage Weight	60	lb
Std. Shaft Dia.	1.688	in
Std. Lateral	0.750	in
Discharge Size	6 - 8	in
Suction Size	6 - 8	in
Max. Sphere Size	0.875	in
Max Operation P.S.I.	455 (special)	

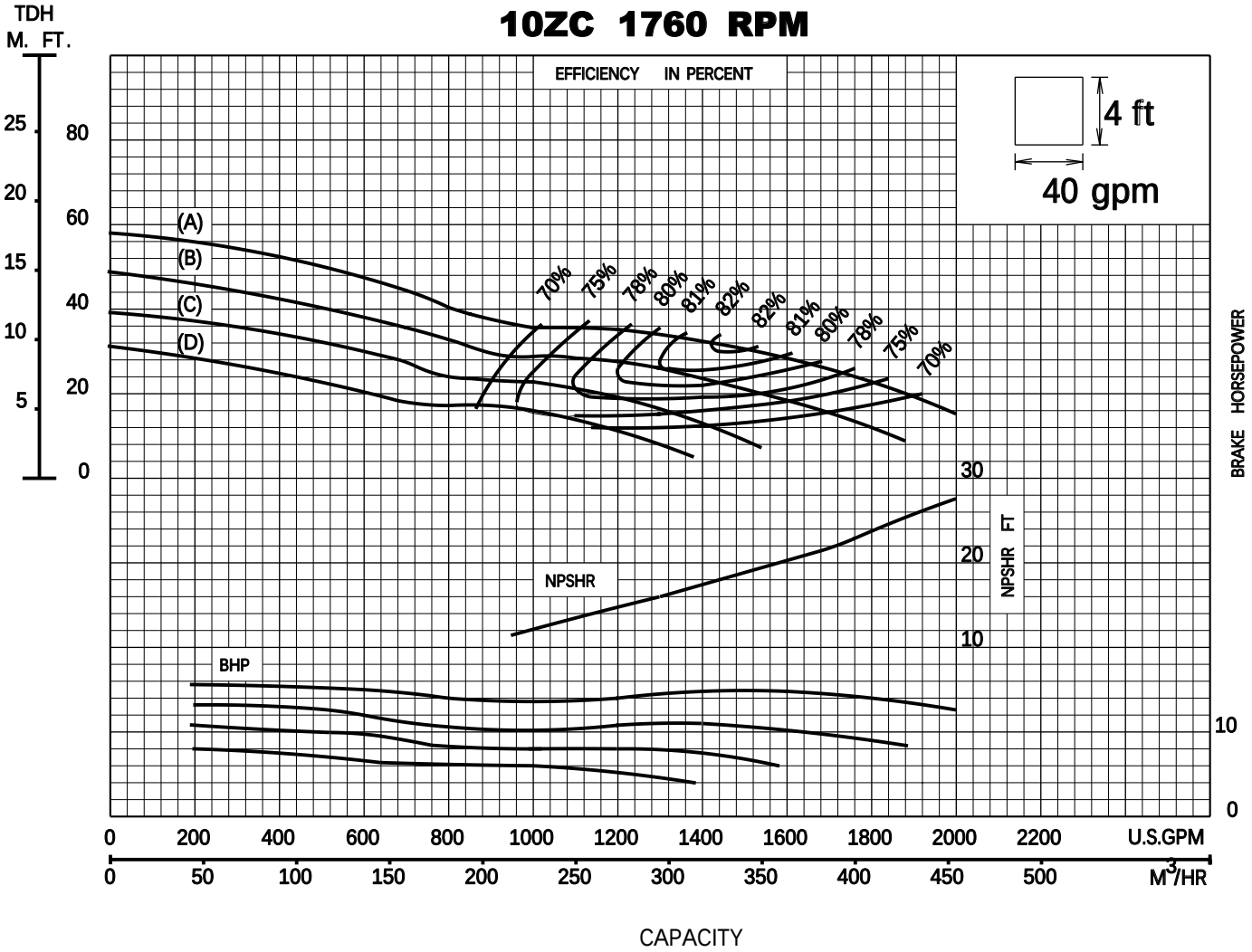
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

SEPTEMBER 1997

10ZC 1760 RPM



IMPELLER DATA

Impeller Number	3862	
Material	BRONZE	
Type	CLOSED	
Thrust Factor	K=13.60	
Eye Area	26.70	sq. in.
Weight	9.75	lb.

TRIM:
(A) 8.250" X 42°
(B) 7.875" X 42°
(C) 7.500" X 42°
(D) 7.125" X 42°

Minimum submergence above eye of bottom impeller:30 in.

EFFICIENCY CORRECTION

Number of Bowls	1	2	3	4	5
Change as follows	-6	-5	-3	-1	0

Change in efficiency may affect both head and horsepower.

BOWL DATA

Bowl Number	3864 C.I./ENAM.	
Bowl Dia.	9.875"max 9.500"min	
Max. No. Stages	26	
One Stage Weight	250	lb
Add'l Stage Weight	60	lb
Std. Shaft Dia.	1.688	in
Std. Lateral	0.500	in
Discharge Size	6 - 8	in
Suction Size	6 - 8	in
Max. Sphere Size	1.438	in
Max Operation P.S.I.	455 (special)	

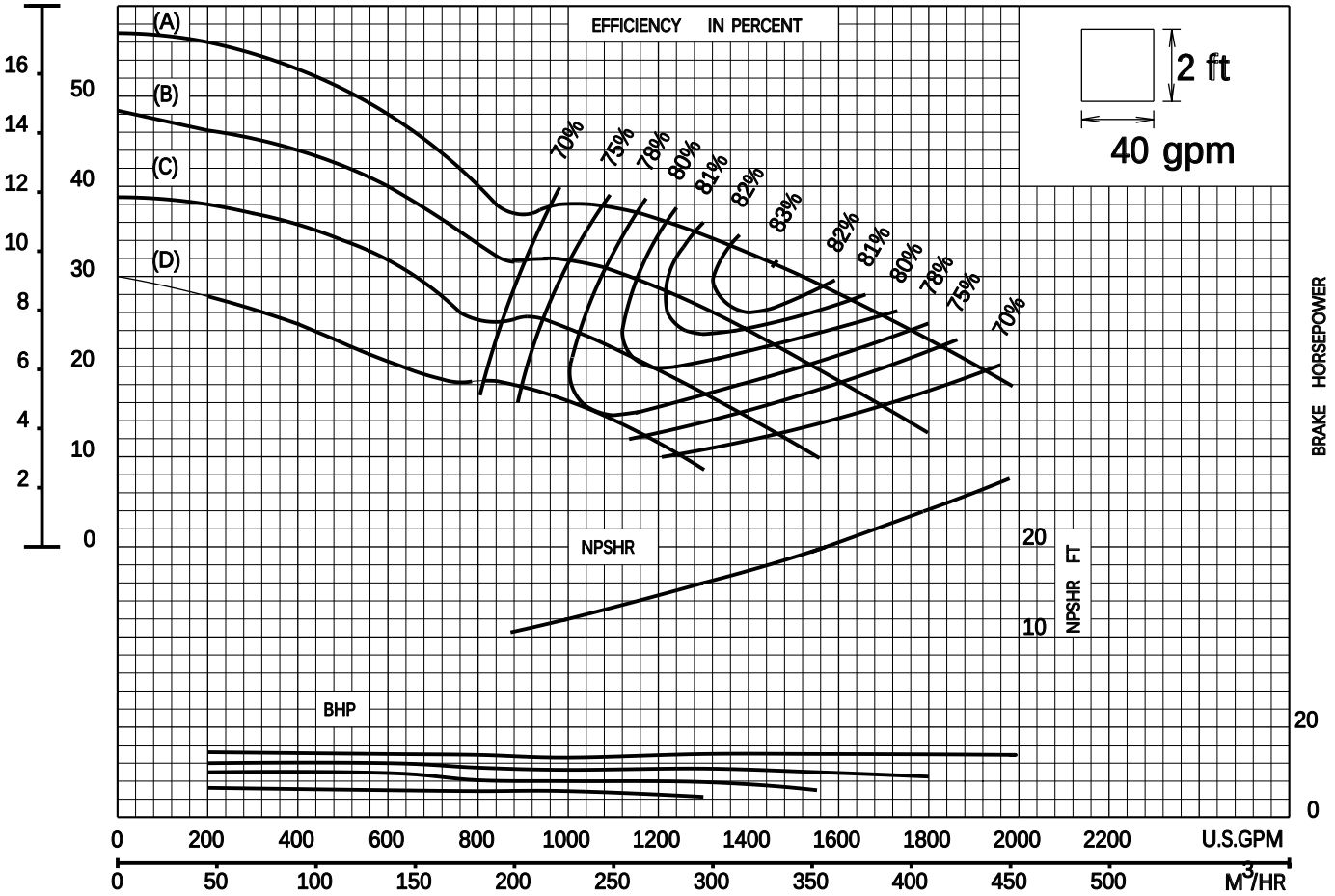
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

SEPTEMBER 1997

10ZS 1760 RPM



IMPELLER DATA

Impeller Number	3863		
Material	BRONZE		
Type	SEMI-OPEN		
Thrust Factor	K=13.50		
Eye Area	26.70	sq. in.	
Weight	5.75	lb.	

TRIM:
(A) 8.250" X 42°
(B) 7.875" X 42°
(C) 7.500" X 42°
(D) 7.125" X 42°

Minimum submergence above eye of top impeller: 30 in.

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.

BOWL DATA

Bowl Number	3864-S,C.I./ENAM.	
Bowl Dia.	9.875"max 9.500"min	
Max. No. Stages	26	
One Stage Weight	250	lb
Add'l Stage Weight	60	lb
Std. Shaft Dia.	1.688	in
Std. Lateral	0.500	in
Discharge Size	6 - 8	in
Suction Size	6 - 8	in
Max. Sphere Size	1.438	in
Max Operation P.S.I.	455 (special)	

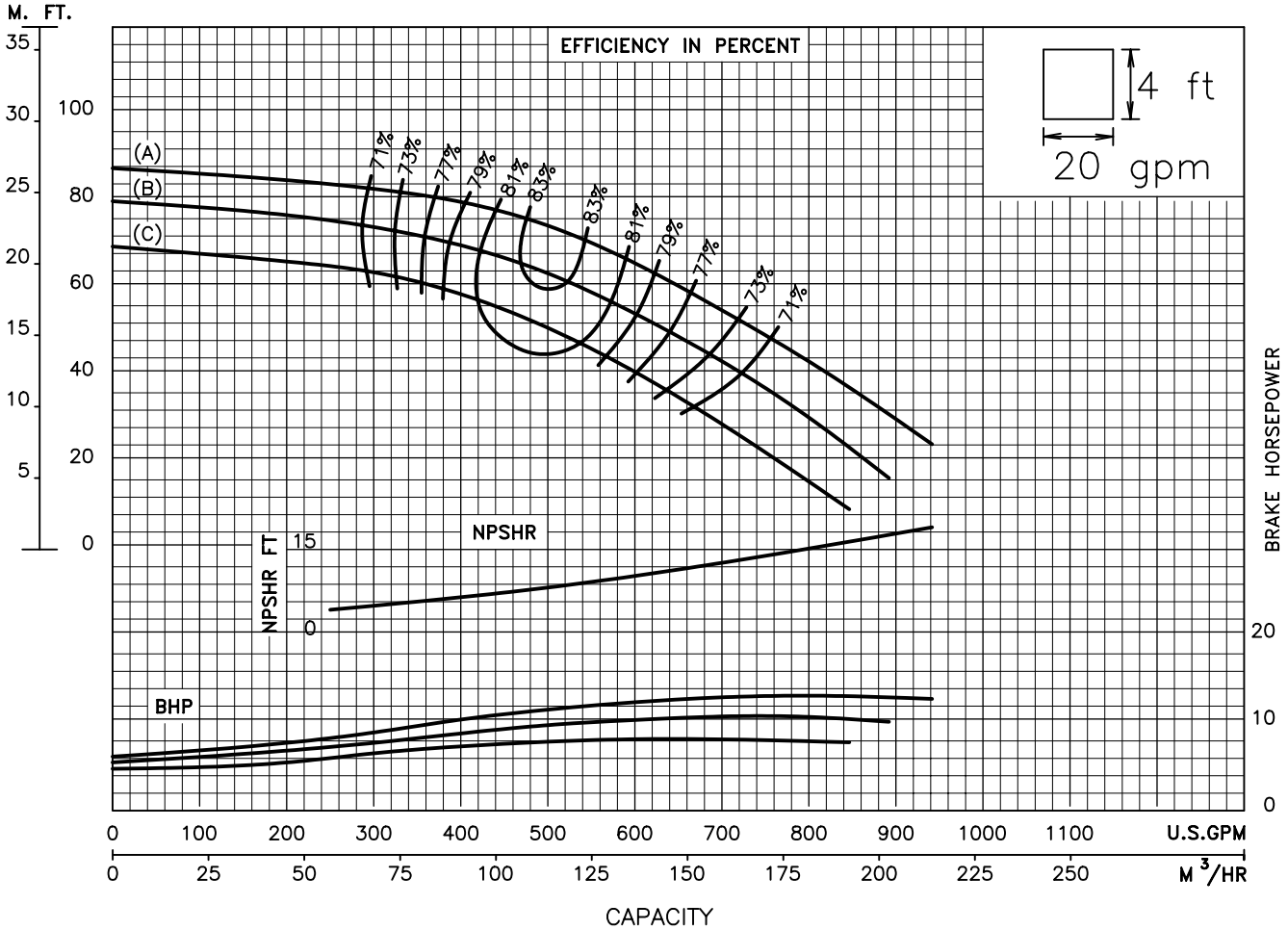
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JULY 2004

12DC 1760 RPM



IMPELLER DATA

Impeller Number	2995	
Material	BRONZE	
Type	CLOSED	
Thrust Factor	K=5.13	
Eye Area	15.9	sq. in.
Weight	14.25	lb.

TRIM: (A) 9.313" x 25°
(B) 8.875" x 25°
(C) 8.375" x 25°

Minimum submergence above eye of bottom impeller: 16 in.

EFFICIENCY CORRECTION

Number of Bowls	1	2	3		
Change as follows	−2	−1	0		

Change in efficiency may affect both head and horsepower.

BOWL DATA

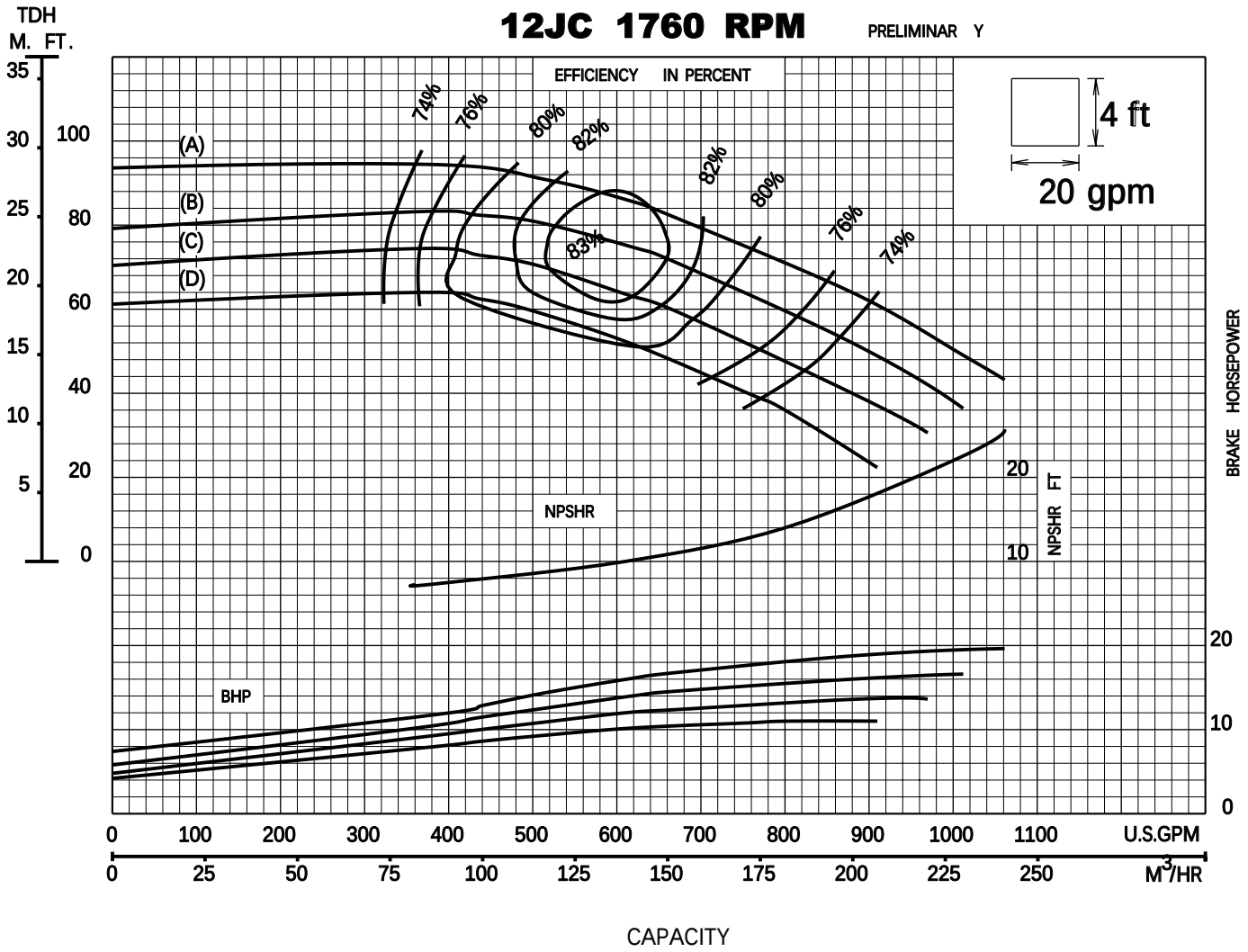
Bowl Number	2993 C.I./ENAM.	
Bowl Dia.	11.625"max 11.500"min	
Max. No. Stages	19	
One Stage Weight	340	lb
Add'l Stage Weight	100	lb
Std. Shaft Dia.	1.688	in
Std. Lateral	0.625	in
Discharge Size	6 – 8	in
Suction Size	6 – 8	in
Max. Sphere Size	0.625	in
Max Operation P.S.I.	585 (special)	

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

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

APRIL 2001



IMPELLER DATA

Impeller Number	2990	
Material	BRONZE	
Type	CLOSED	
Thrust Factor	K=6.60	
Eye Area	15.90	sq. in.
Weight	14.50	lb.

TRIM:
(A) 9.500" x 25°
(B) 9.000" x 25°
(C) 8.500" x 25°
(D) 8.000" x 25°

Minimum submergence above eye of bottom impeller:18 in.

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.

BOWL DATA

Bowl Number	2993 C.I./ENAM.	
Bowl Dia.	11.625"max 11.500"min	
Max. No. Stages	19	
One Stage Weight	340	lb
Add'l Stage Weight	100	lb
Std. Shaft Dia.	1.688	in
Std. Lateral	0.625	in
Discharge Size	6 - 8	in
Suction Size	6 - 8	in
Max. Sphere Size	0.500	in
Max Operation P.S.I.	585 (special)	

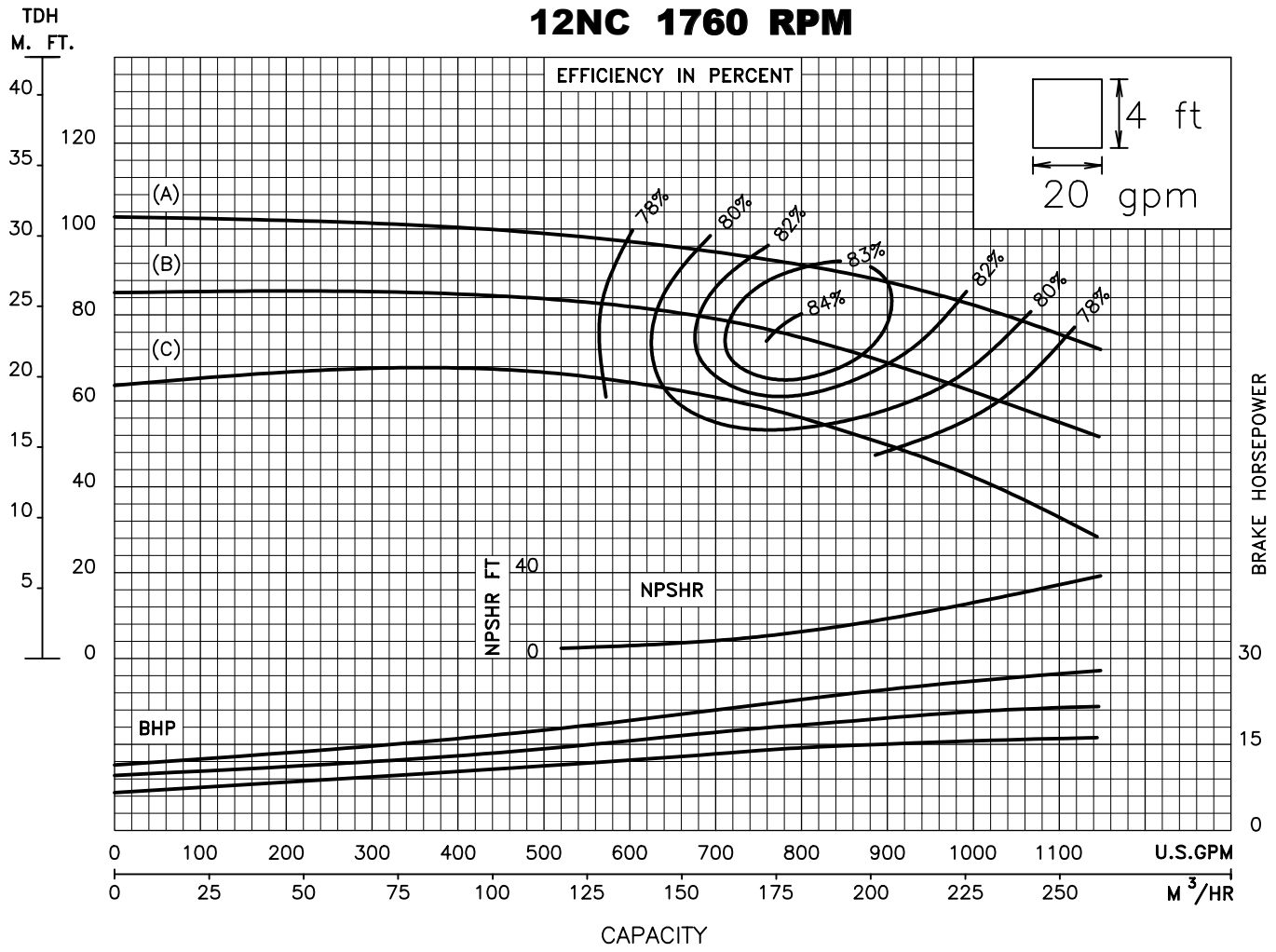
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JANUARY 2004

12NC 1760 RPM



IMPELLER DATA			
Impeller Number	0704	TRIM: (A) 9.703 x 26°	
Material	BRONZE	(B) 9.000 x 26°	
Type	CLOSED	(C) 8.250 x 26°	
Thrust Factor	K= 4.4		
Eye Area	14.1 sq. in.	Minimum submergence above eye of bottom impeller: 30 in.	
Weight	12.5 lb.		

EFFICIENCY CORRECTION					
Number of Bowls	1	2	3		
Change as follows	−2	−1	0		

Change in efficiency may affect both head and horsepower.

BOWL DATA		
Bowl Number	0902 C.I./ENAM.	
Bowl Dia.	12.188"max 11.750"min	
Max. No. Stages	13	
One Stage Weight	245	lb
Add'l Stage Weight	102	lb
Std. Shaft Dia.	1.688	in
Std. Lateral	0.625	in
Discharge Size	6−8−10	in
Suction Size	8 − 10	in
Max. Sphere Size	0.750	in
Max Operation P.S.I.	515 (special)	

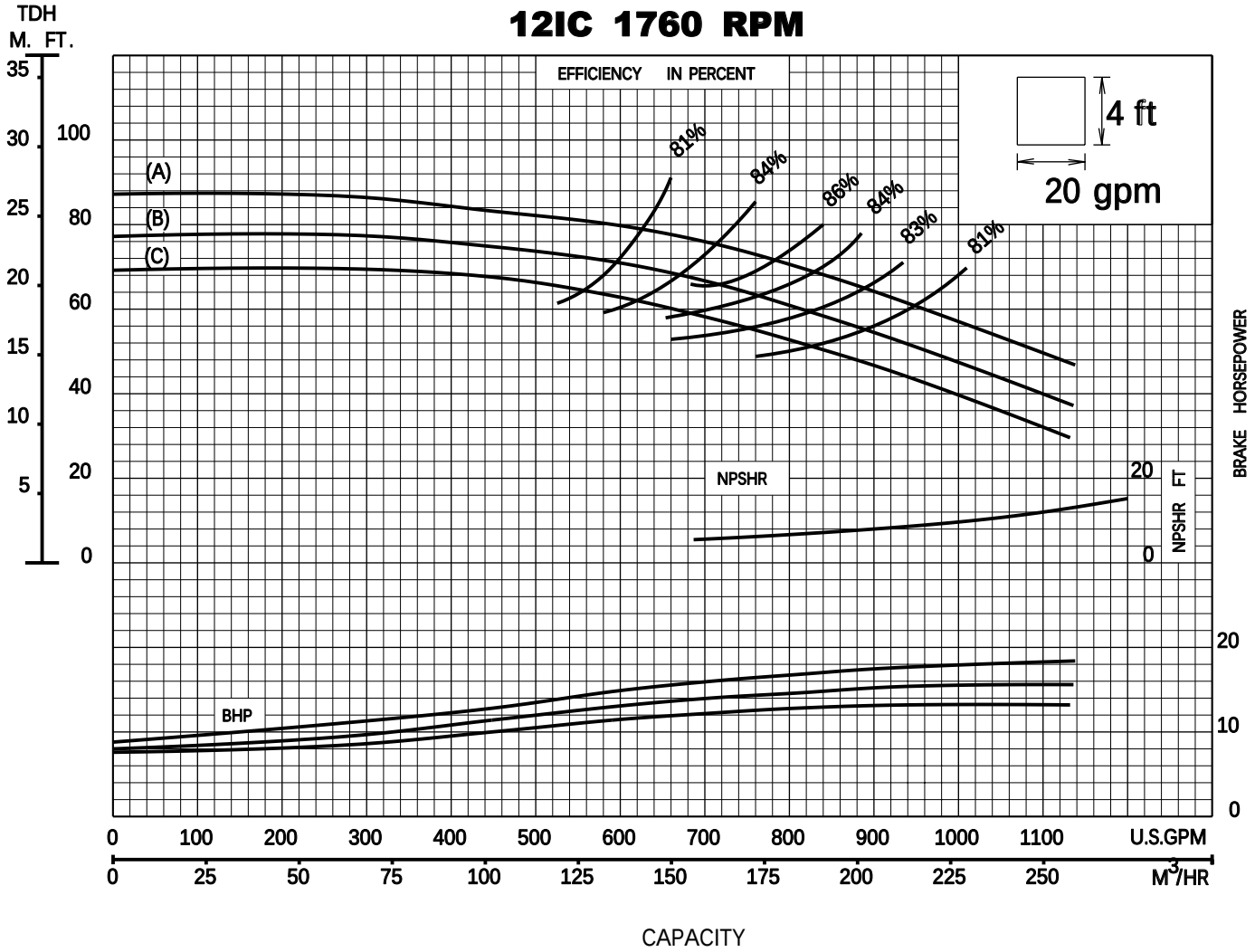
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JANUAR Y 2000

12IC 1760 RPM



IMPELLER DATA

Impeller Number	2996	
Material	BRONZE	
Type	CLOSED	
Thrust Factor	K=6.75	
Eye Area	18.14	sq. in.
Weight	15.00	lb.

TRIM:
(A) 9.313 x 23
(B) 8.750 x 23
(C) 8.500 x 23

Minimum submergence above eye of top impeller:30 in.

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.

BOWL DATA

Bowl Number	2994 C.I./ENAM.	
Bowl Dia.	12.000"max 11.500"min	
Max. No. Stages	19	
One Stage Weight	340	lb
Add'l Stage Weight	100	lb
Std. Shaft Dia.	1.688	in
Std. Lateral	0.625	in
Discharge Size	6-8-10	in
Suction Size	8 - 10	in
Max. Sphere Size	0.625	in
Max Operation P.S.I.	584 (SPECIAL)	

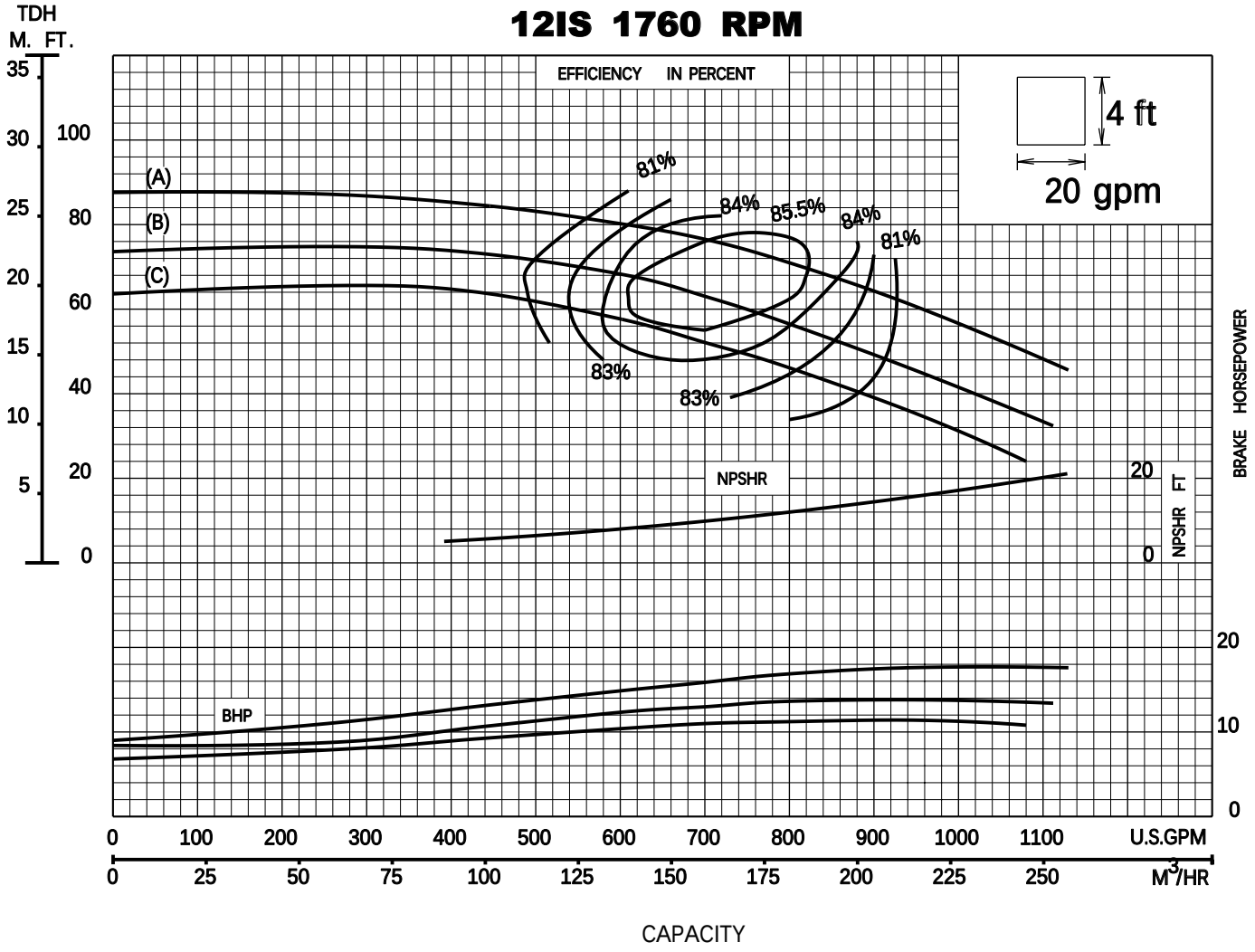
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

SEPTEMBER 1997

12IS 1760 RPM



IMPELLER DATA

Impeller Number	2997		
Material	BRONZE		
Type	SEMI-OPEN		
Thrust Factor	K=8.2		
Eye Area	18.14	sq. in.	
Weight	9.5	lb.	

TRIM: (A) 9.313 x 23
(B) 8.750 x 23
(C) 8.250 x 23

Minimum submergence above eye of top impeller 30 in.

BOWL DATA

Bowl Number	2994 C.I./ENAM.	
Bowl Dia.	12.000"max 11.500"min	
Max. No. Stages	19	
One Stage Weight	340	lb
Add'l Stage Weight	100	lb
Std. Shaft Dia.	1.688	in
Std. Lateral	0.625	in
Discharge Size	6-8-10	in
Suction Size	8 - 10	in
Max. Sphere Size	0.625	in
Max Operation P.S.I.	584 (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.

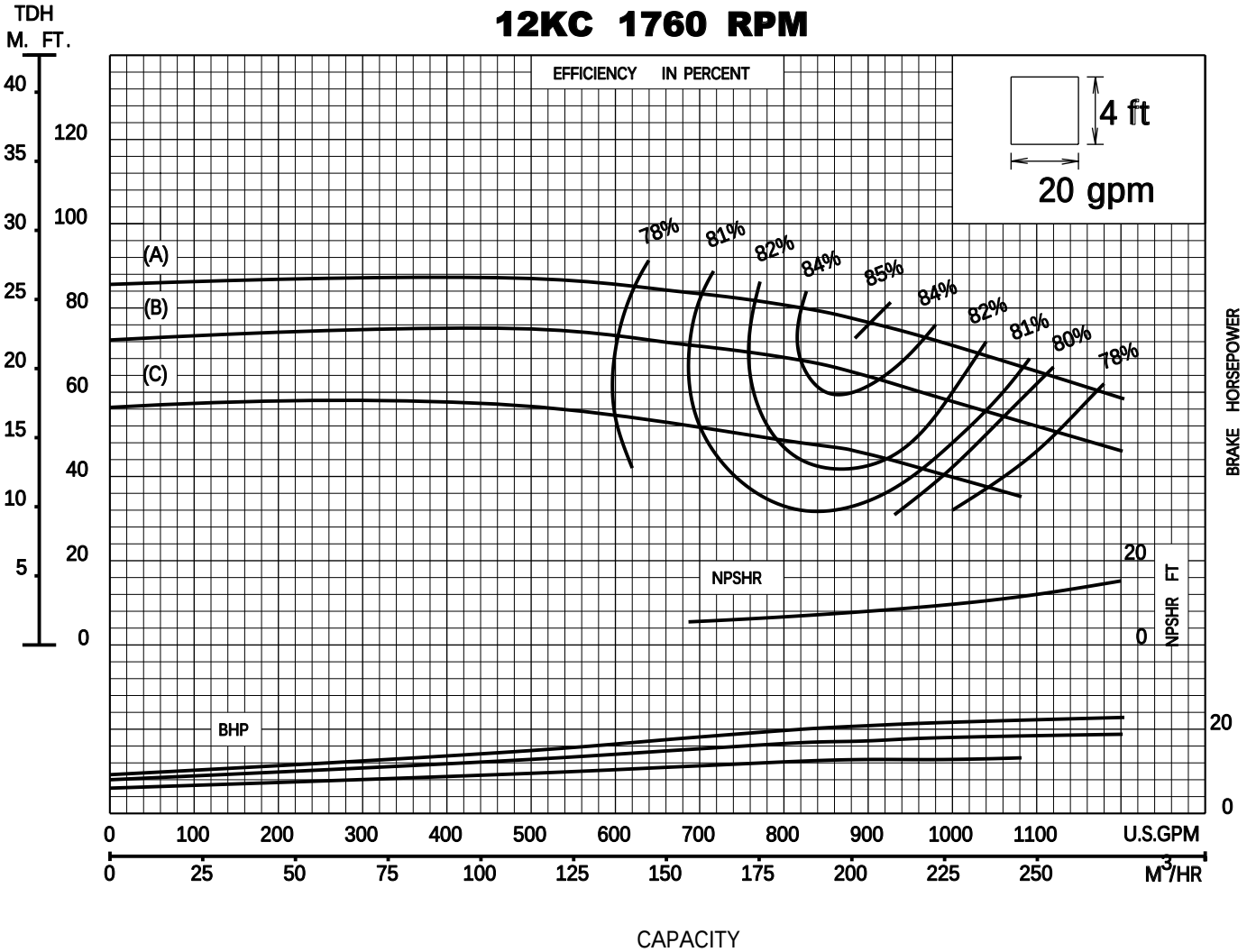
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

NOVEMBER 1996

12KC 1760 RPM



IMPELLER DATA

Impeller Number	2991	TRIM:	(A) 9.313 x 23
Material	BRONZE		(B) 8.750 x 23
Type	CLOSED		(C) 7.938 x 23
Thrust Factor	K= 6.50		
Eye Area	18.14 sq. in.		Minimum submergence above eye of bottom impeller:30 in.
Weight	16.00 lb.		

BOWL DATA

Bowl Number	2994 C.I./ENAM.	
Bowl Dia.	12.000"max 11.500"min	
Max. No. Stages	19	
One Stage Weight	340	lb
Add'l Stage Weight	100	lb
Std. Shaft Dia.	1.688	in
Std. Lateral	0.625	in
Discharge Size	6-8-10	in
Suction Size	8 - 10	in
Max. Sphere Size	0.625	in
Max Operation 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.

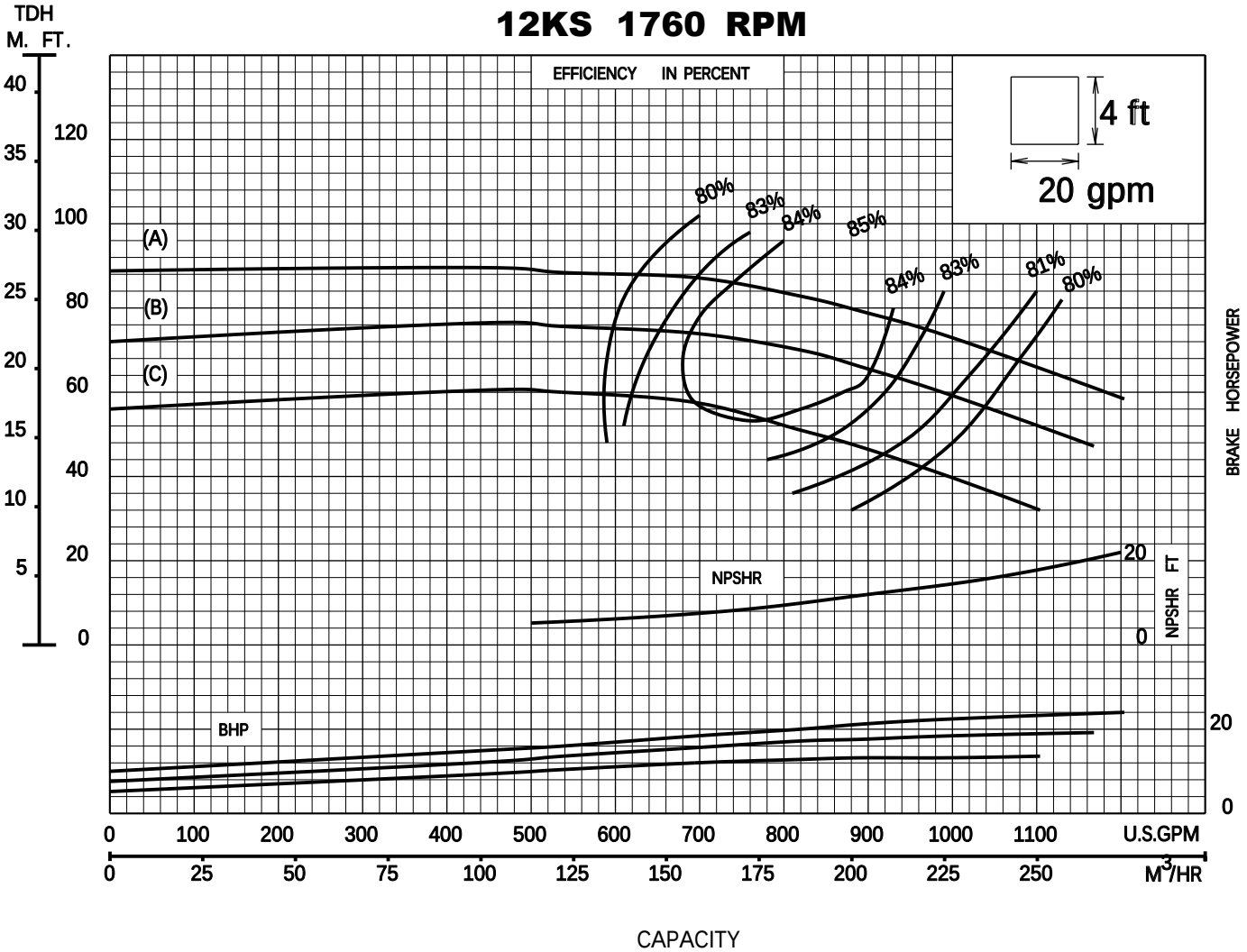
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

MARCH 1997

12KS 1760 RPM



IMPELLER DATA

Impeller Number	2992	
Material	BRONZE	
Type	SEMI-OPEN	
Thrust Factor	K= 7.75	
Eye Area	20.38	sq. in.
Weight	9.00	lb.

TRIM: (A) 9.313 x 23
(B) 8.750 x 23
(C) 7.938 x 23

Minimum submergence above eye of top impeller:30 in.

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.

BOWL DATA

Bowl Number	2994 C.I./ENAM.	
Bowl Dia.	12.000"max 11.500"min	
Max. No. Stages	16	
One Stage Weight	340	lb
Add'l Stage Weight	100	lb
Std. Shaft Dia.	1.688	in
Std. Lateral	0.500	in
Discharge Size	6-8-10	in
Suction Size	8 - 10	in
Max. Sphere Size	0.625	in
Max Operation P.S.I.	584 (special)	

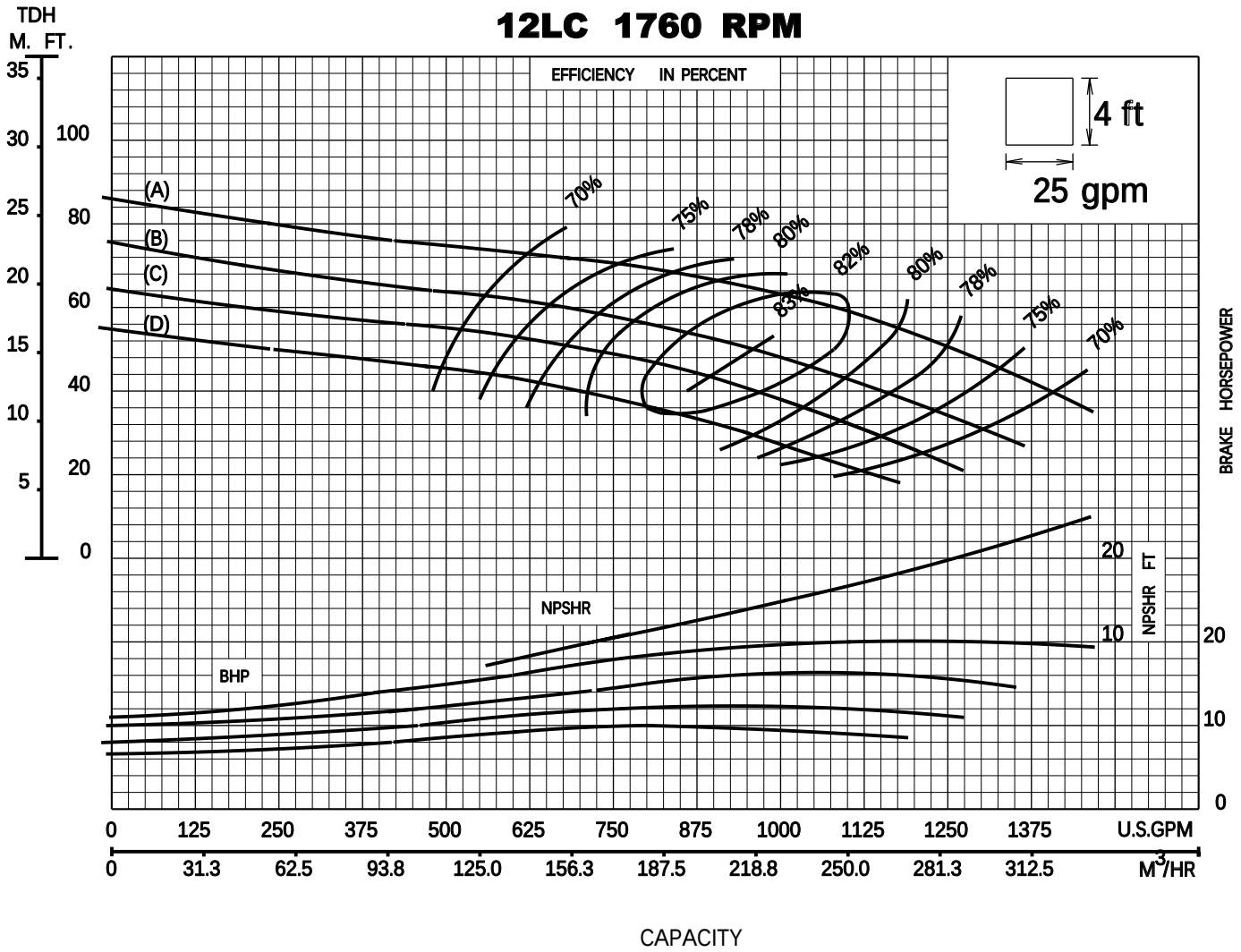
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JANUAR Y 1995

12LC 1760 RPM



IMPELLER DATA

Impeller Number	3778		
Material	BRONZE		
Type	CLOSED		
Thrust Factor	K=10.60		
Eye Area	20.10	sq. in.	
Weight	15.50	lb.	

TRIM:
(A) 9.375" X 21.5°
(B) 8.750" X 21.5°
(C) 8.250" X 21.5°
(D) 7.750" X 21.5°

Minimum submergence above eye of bottom impeller:24 in.

BOWL DATA

Bowl Number	2952 C.I./ENAM.	
Bowl Dia.	11.563"max 11.250"min	
Max. No. Stages	19	
One Stage Weight	340	lb
Add'l Stage Weight	100	lb
Std. Shaft Dia.	1.688	in
Std. Lateral	0.875	in
Discharge Size	6-8-10	in
Suction Size	8 - 10	in
Max. Sphere Size	0.625	in
Max Operation 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.

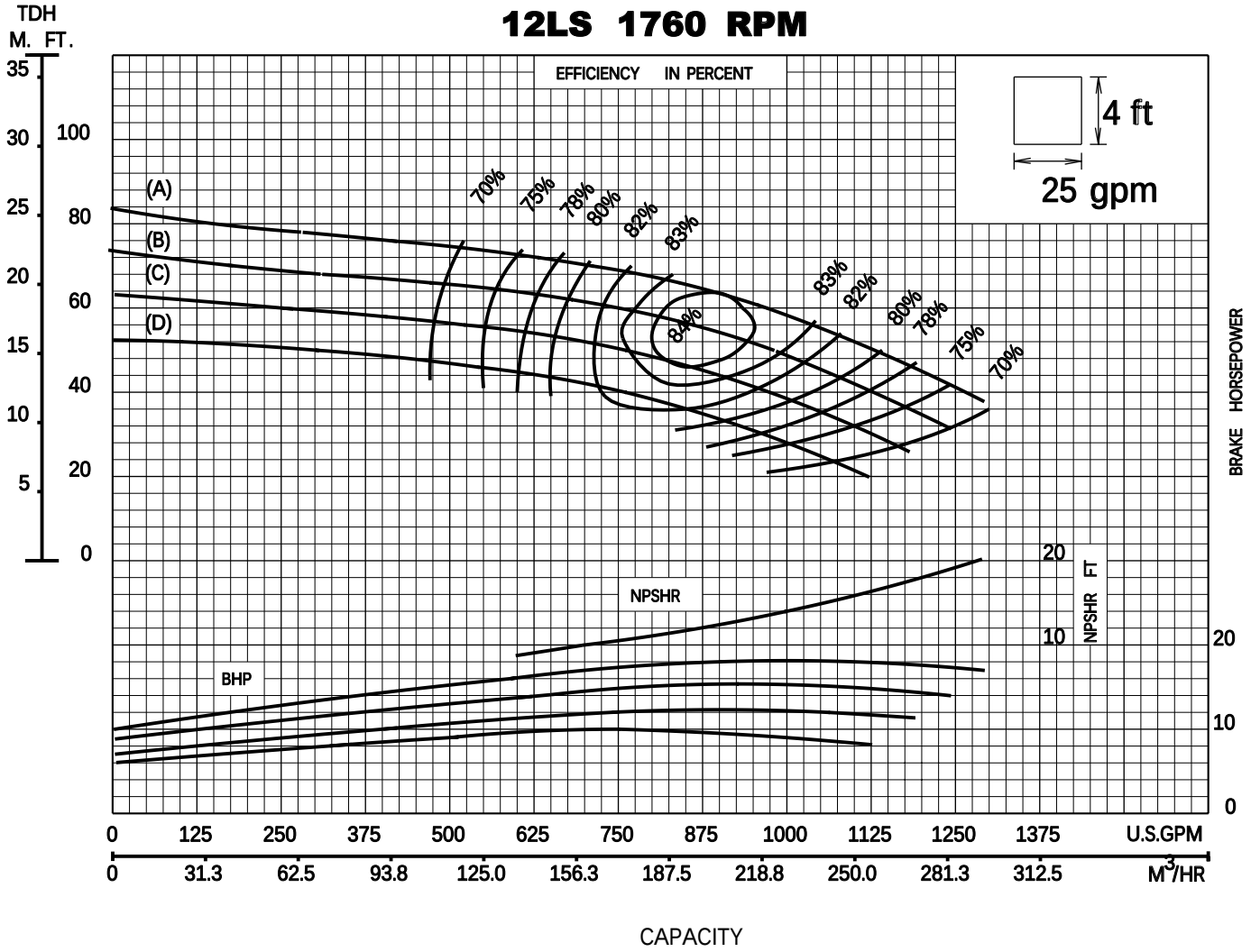
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

MARCH 1997

12LS 1760 RPM



IMPELLER DATA

Impeller Number	3779	
Material	BRONZE	
Type	SEMI-OPEN	
Thrust Factor	K=12.50	
Eye Area	20.10	sq. in.
Weight	8.13	lb.

TRIM:
(A) 9.375" X 21.5°
(B) 8.750" X 21.5°
(C) 8.250" X 21.5°
(D) 7.750" X 21.5°

Minimum submergence above eye of top impeller: 30 in.

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.

BOWL DATA

Bowl Number	2952-S,C.I./ENAM.	
Bowl Dia.	11.563"max 11.250"min	
Max. No. Stages	19	
One Stage Weight	340	lb
Add'l Stage Weight	100	lb
Std. Shaft Dia.	1.688	in
Std. Lateral	0.875	in
Discharge Size	6-8-10	in
Suction Size	8 - 10	in
Max. Sphere Size	0.625	in
Max Operation P.S.I.	584 (special)	

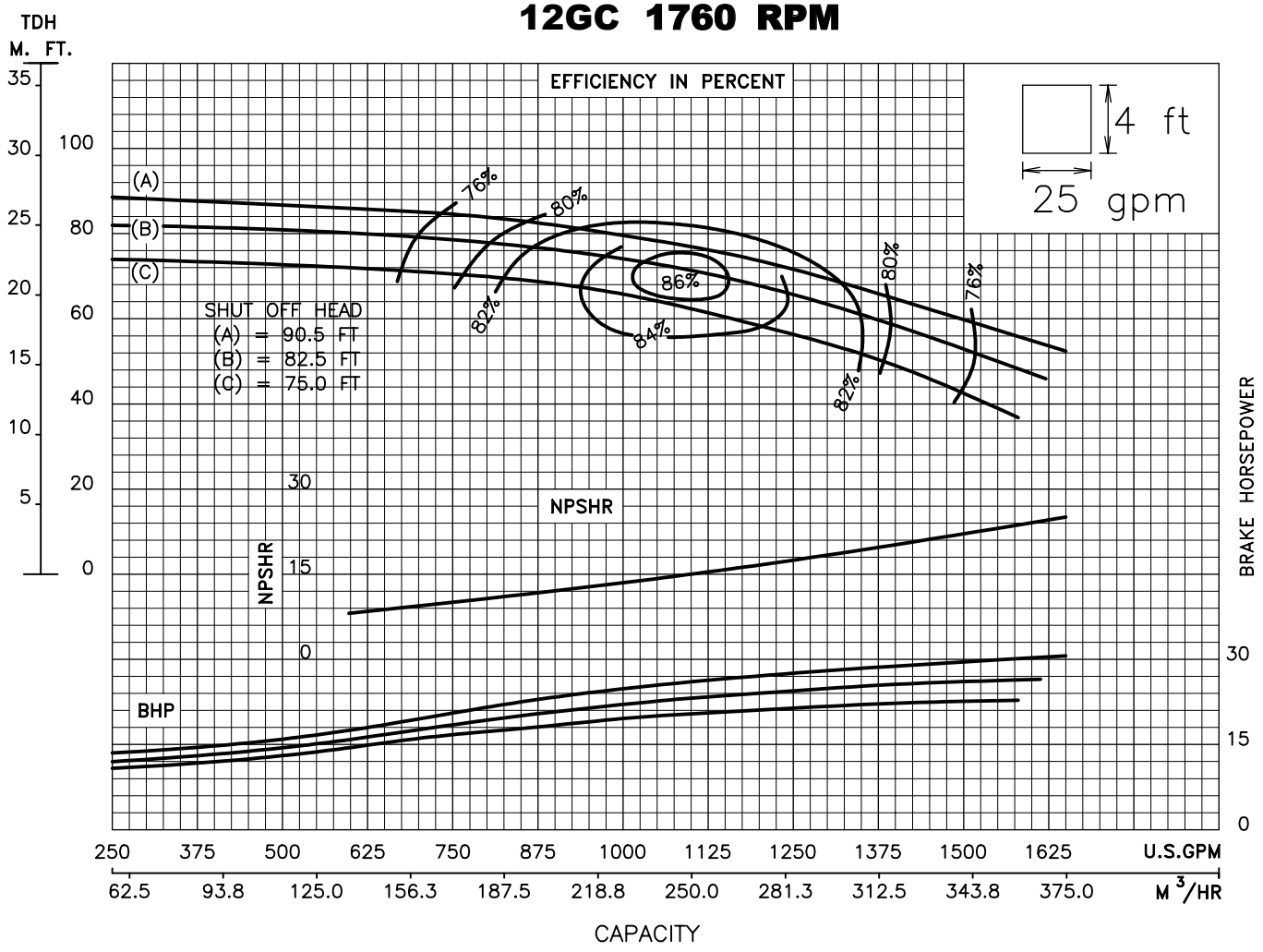
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JANUARY 2002

12GC 1760 RPM



IMPELLER DATA			
Impeller Number	3850	TRIM: (A) 9.500" x 24°	
Material	BRONZE	(B) 9.125" x 24°	
Type	CLOSED	(C) 8.750" x 24°	
Thrust Factor	K= 5.1		
Eye Area	20.63 sq. in.	Minimum submergence above eye of bottom impeller: 24 in.	
Weight	17.5 lb.		

BOWL DATA		
Bowl Number	3841 C.I./ENAM.	
Bowl Dia.	11.938"max 11.750"min	
Max. No. Stages	12	
One Stage Weight	265	lb
Add'l Stage Weight	126	lb
Std. Shaft Dia.	1.688	in
Std. Lateral	1.000	in
Discharge Size	8 – 10	in
Suction Size	8 – 10	in
Max. Sphere Size	0.625	in
Max Operation 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.

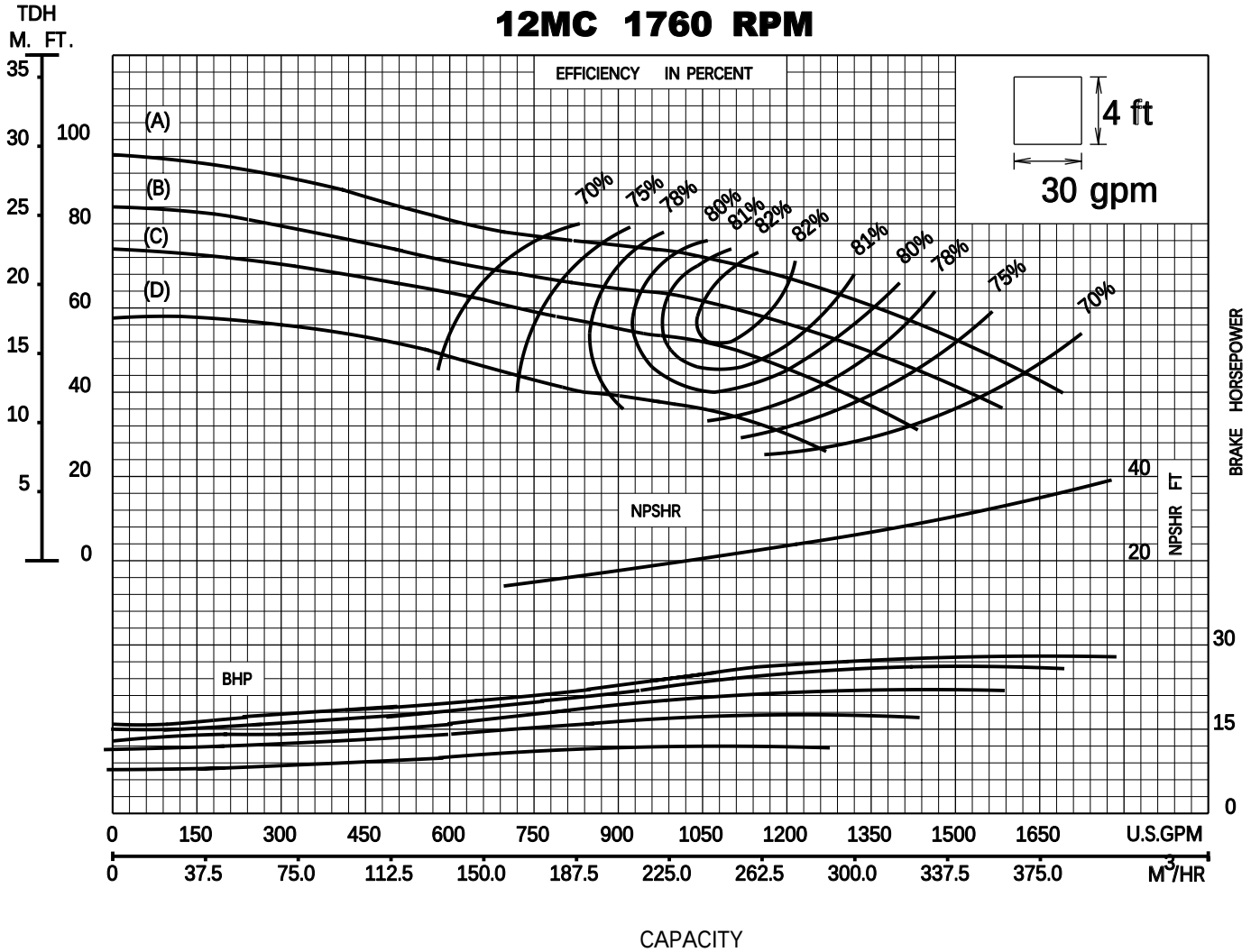
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

MARCH 2000

12MC 1760 RPM



IMPELLER DATA

Impeller Number	2951	
Material	BRONZE	
Type	CLOSED	
Thrust Factor	K=10.60	
Eye Area	20.10	sq. in.
Weight	15.00	lb.

TRIM:
(A) 9.375" X 21.5
(B) 9.000" X 21.5
(C) 8.625" X 21.5
(D) 8.000" X 21.5

Minimum submergence above eye of bottom impeller: 24 in.

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.

BOWL DATA

Bowl Number	2952 C.I./ENAM.	
Bowl Dia.	11.563"max 11.250"min	
Max. No. Stages	14	
One Stage Weight	340	lb
Add'l Stage Weight	100	lb
Std. Shaft Dia.	1.688	in
Std. Lateral	0.750	in
Discharge Size	6-8-10	in
Suction Size	8 - 10	in
Max. Sphere Size	0.625	in
Max Operation P.S.I.	584 (special)	

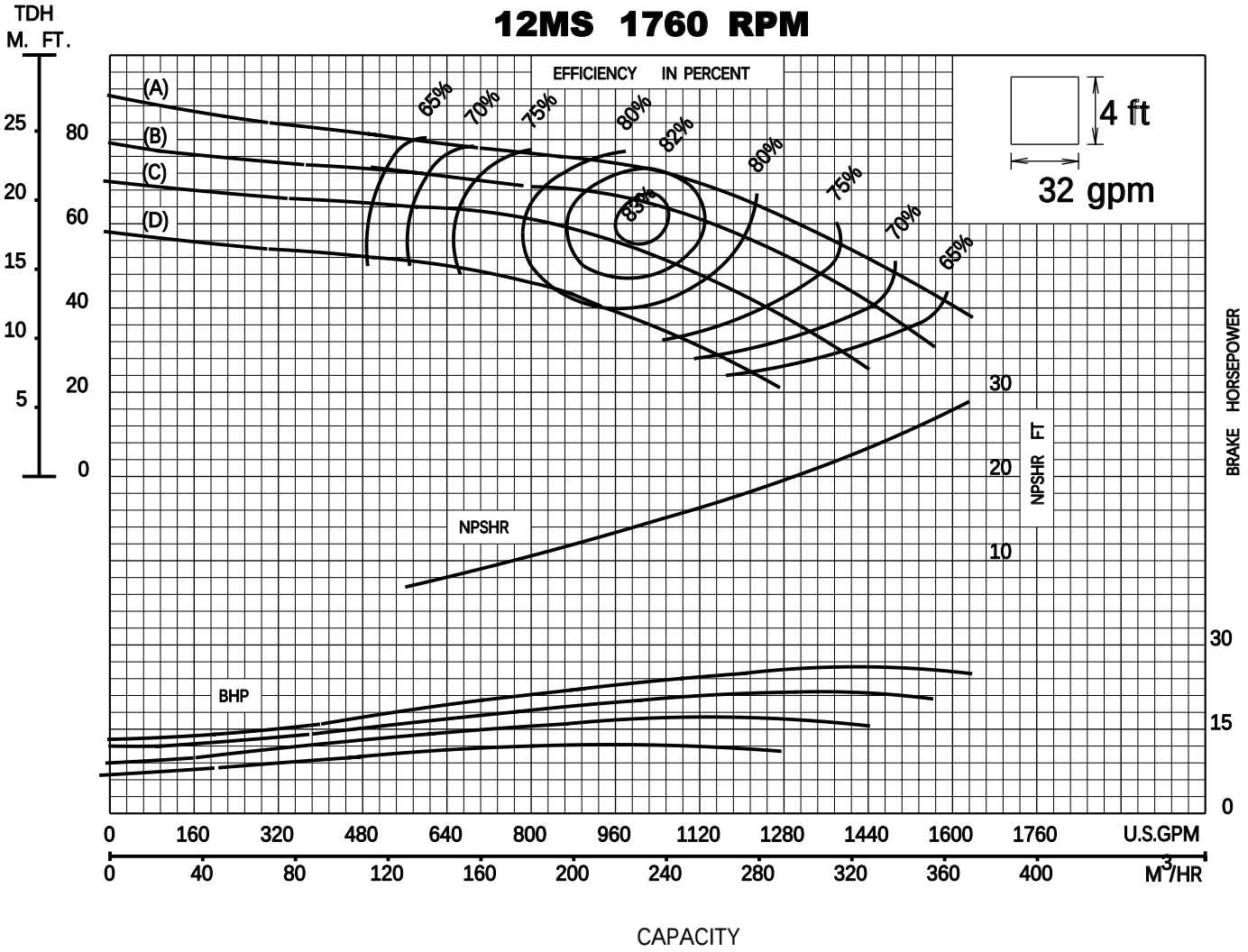
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JANUAR Y 1995

12MS 1760 RPM



IMPELLER DATA

Impeller Number	2956	
Material	BRONZE	
Type	SEMI-OPEN	
Thrust Factor	K=12.50	
Eye Area	20.10	sq. in.
Weight	10.00	lb.

TRIM:
(A) 9.375" X 21.5°
(B) 9.000" X 21.5°
(C) 8.625" X 21.5°
(D) 8.000" X 21.5°

Minimum submergence above eye of top impeller 30 in.

BOWL DATA

Bowl Number	2952-S,C.I./ENAM.	
Bowl Dia.	11.563"max 11.250"min	
Max. No. Stages	14	
One Stage Weight	340	lb
Add'l Stage Weight	100	lb
Std. Shaft Dia.	1.688	in
Std. Lateral	0.750	in
Discharge Size	6-8-10	in
Suction Size	8 - 10	in
Max. Sphere Size	0.625	in
Max Operation 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.

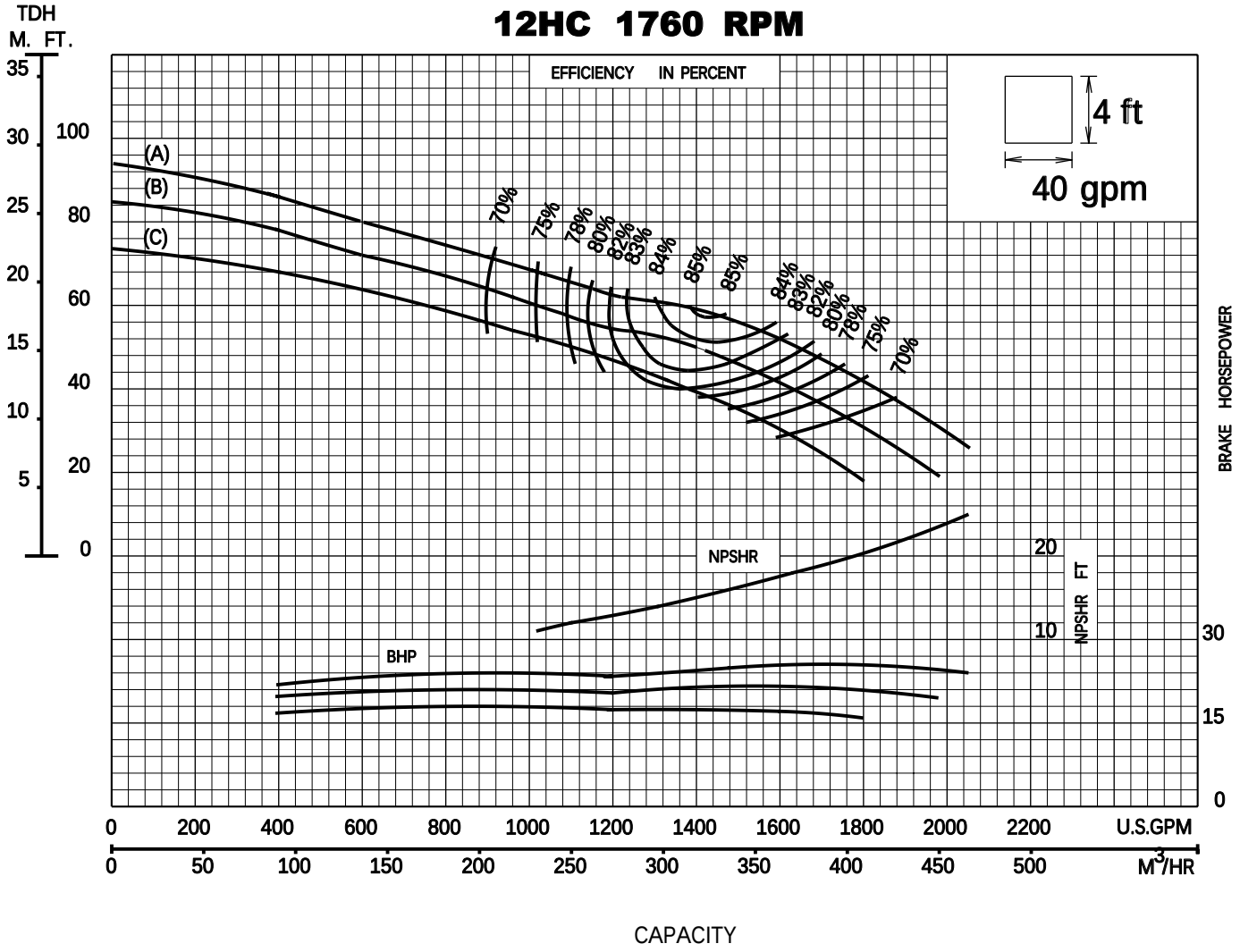
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JANUAR Y 1995

12HC 1760 RPM



IMPELLER DATA

Impeller Number	2914		
Material	BRONZE		
Type	CLOSED		
Thrust Factor	K=16.50		
Eye Area	32.40	sq. in.	
Weight	11.50	lb.	

TRIM: (A) 9.563" X 30°
(B) 9.281" X 30°
(C) 8.875" X 30°

Minimum submergence above eye of bottom impeller:26 in.

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.

BOWL DATA

Bowl Number	2915 C.I./ENAM.	
Bowl Dia.	11.563"max 11.250"min	
Max. No. Stages	15	
One Stage Weight	340	lb
Add'l Stage Weight	100	lb
Std. Shaft Dia.	1.688	in
Std. Lateral	0.750	in
Discharge Size	6-8-10	in
Suction Size	8 - 10	in
Max. Sphere Size	0.750	in
Max Operation P.S.I.	584 (special)	

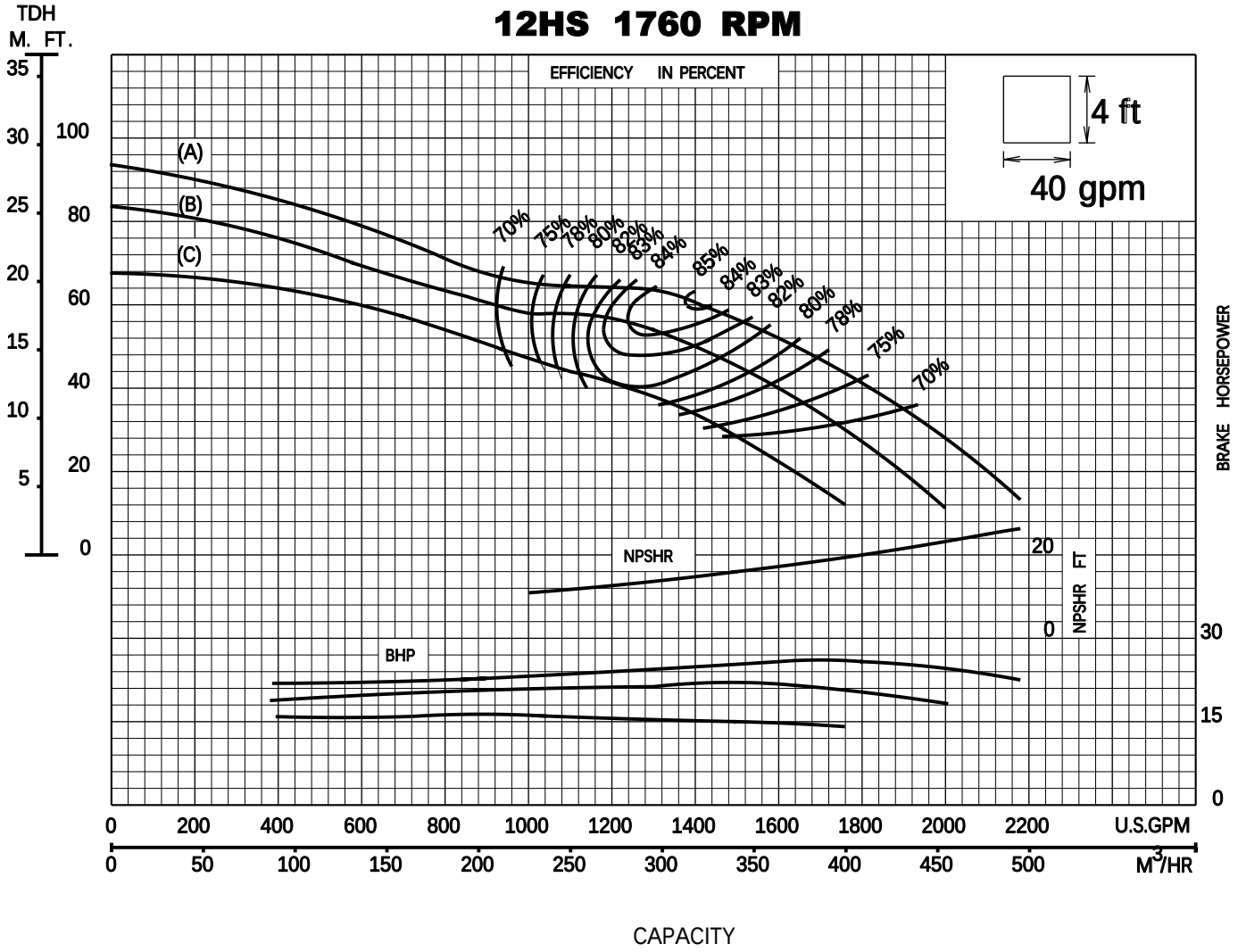
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JANUAR Y 1995

12HS 1760 RPM



IMPELLER DATA

Impeller Number	2953	
Material	BRONZE	
Type	SEMI-OPEN	
Thrust Factor	K=19.00	
Eye Area	32.40	sq. in.
Weight	11.25	lb.

TRIM:
(A) 9.563" X 30°
(B) 9.281" X 30°
(C) 8.875" X 30°

Minimum submergence above eye of top impeller:30 in.

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.

BOWL DATA

Bowl Number	2915-S,C.I./ENAM.	
Bowl Dia.	11.563"max 11.250"min	
Max. No. Stages	15	
One Stage Weight	340	lb
Add'l Stage Weight	100	lb
Std. Shaft Dia.	1.688	in
Std. Lateral	0.750	in
Discharge Size	6-8-10	in
Suction Size	8 - 10	in
Max. Sphere Size	0.750	in
Max Operation P.S.I.	584 (special)	

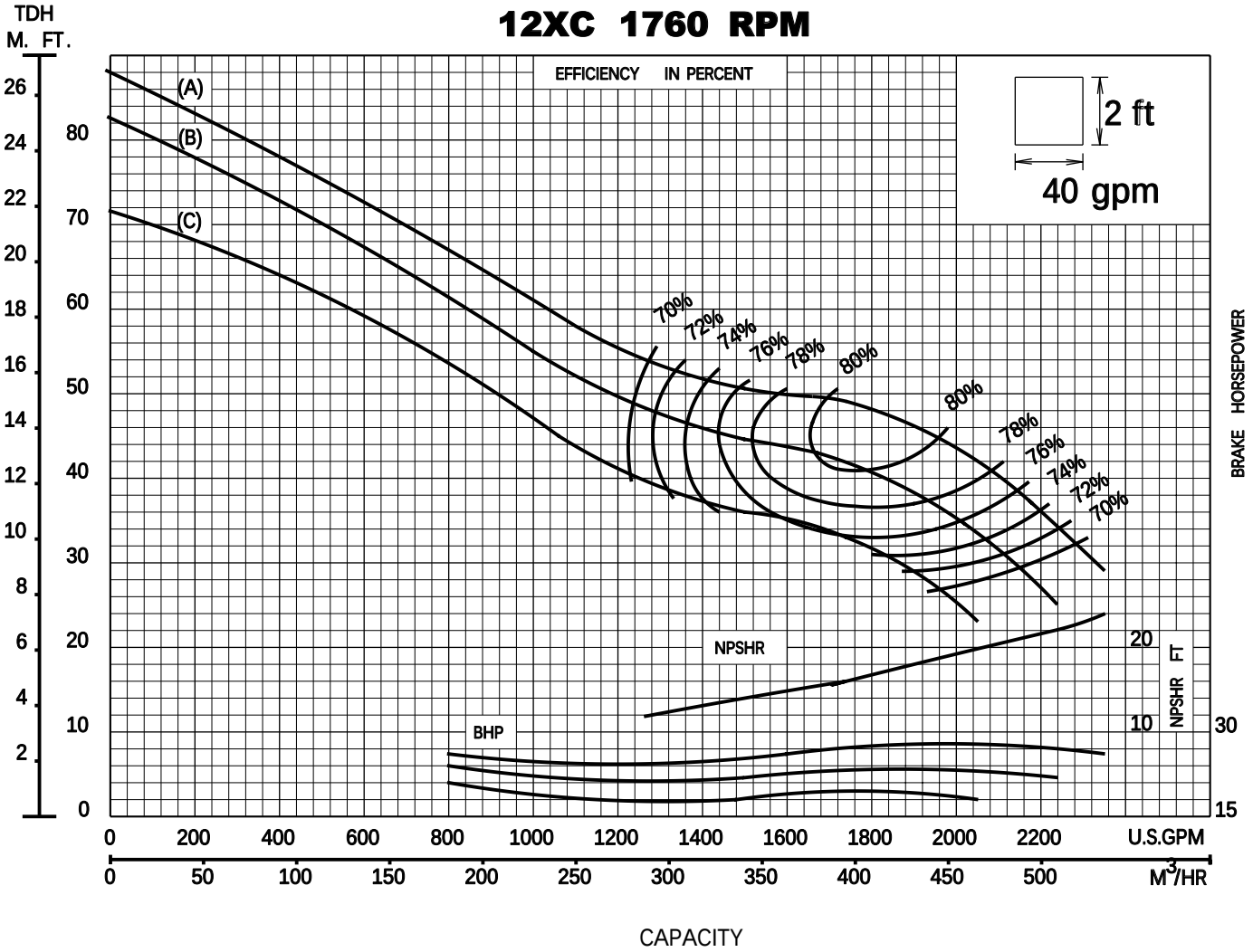
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JANUAR Y 1995

12XC 1760 RPM



IMPELLER DATA

Impeller Number	3360	TRIM:	(A) 9.563" X 26.5°
Material	BRONZE		(B) 9.250" X 26.5°
Type	CLOSED		(C) 8.875" X 26.5°
Thrust Factor	K=18.20		
Eye Area	35.60 sq. in.		Minimum submergence above eye of bottom impeller:28 in.
Weight	15.25 lb.		

BOWL DATA

Bowl Number	3361 C.I./ENAM.	
Bowl Dia.	11.563"max 11.250"min	
Max. No. Stages	14	
One Stage Weight	340	lb
Add'l Stage Weight	100	lb
Std. Shaft Dia.	1.688	in
Std. Lateral	0.875	in
Discharge Size	8 - 10	in
Suction Size	8 - 10	in
Max. Sphere Size	1.000	in
Max Operation 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.

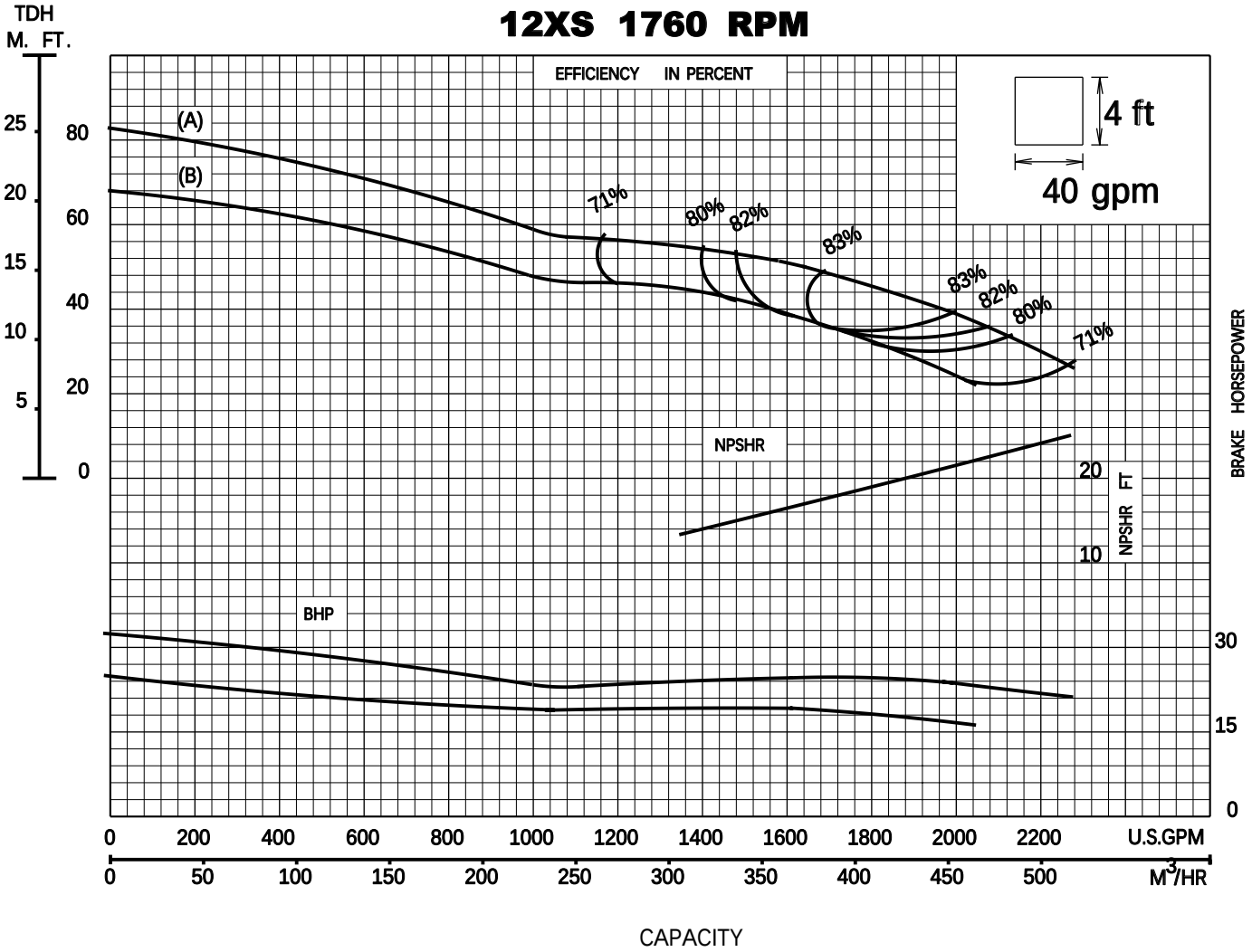
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JANUAR Y 1995

12XS 1760 RPM



IMPELLER DATA

Impeller Number	3374	
Material	BRONZE	
Type	SEMI-OPEN	
Thrust Factor	K=20.80	
Eye Area	35.60	sq. in.
Weight	11.50	lb.

TRIM: (A) 9.563" X 26.5°
(B) 8.875" X 26.5°

Minimum submergence above eye of top impeller:30 in.

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.

BOWL DATA

Bowl Number	3361 C.I./ENAM.	
Bowl Dia.	11.563"max 11.250"min	
Max. No. Stages	11	
One Stage Weight	340	lb
Add'l Stage Weight	100	lb
Std. Shaft Dia.	1.688	in
Std. Lateral	0.875	in
Discharge Size	8 - 10	in
Suction Size	8 - 10	in
Max. Sphere Size	1.000	in
Max Operation P.S.I.	584 (special)	

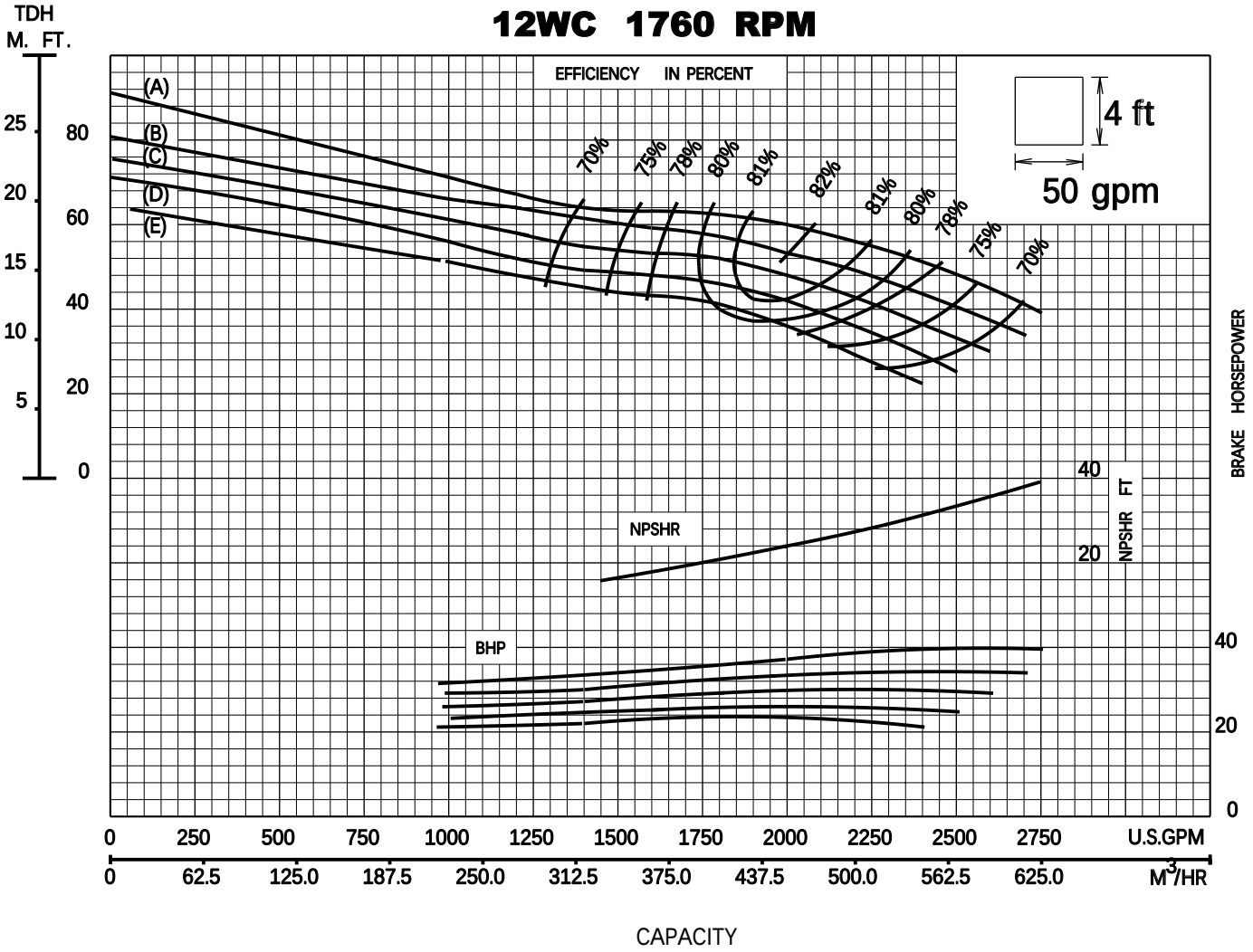
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JANUAR Y 1995

12WC 1760 RPM



IMPELLER DATA

Impeller Number	4777	
Material	BRONZE	
Type	CLOSED	
Thrust Factor	K=16.20	
Eye Area	29.70	sq. in.
Weight	21.00	lb.

TRIM:
(A) 10.063" X 30.5
(B) 9.813" X 30.5
(C) 9.563" X 30.5
(D) 9.313" X 30.5
(E) 9.063" X 30.5

Minimum submergence above eye obottom impeller:30 in.

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.

BOWL DATA

Bowl Number	4771	C.I./ENAM.
Bowl Dia.	12.188"max	11.750"min
Max. No. Stages	10	
One Stage Weight	415	lb
Add'l Stage Weight	140	lb
Std. Shaft Dia.	1.688	in
Std. Lateral	0.750	in
Discharge Size	8 - 10	in
Suction Size	8 - 10	in
Max. Sphere Size	1.375	in
Max Operation P.S.I.	584	

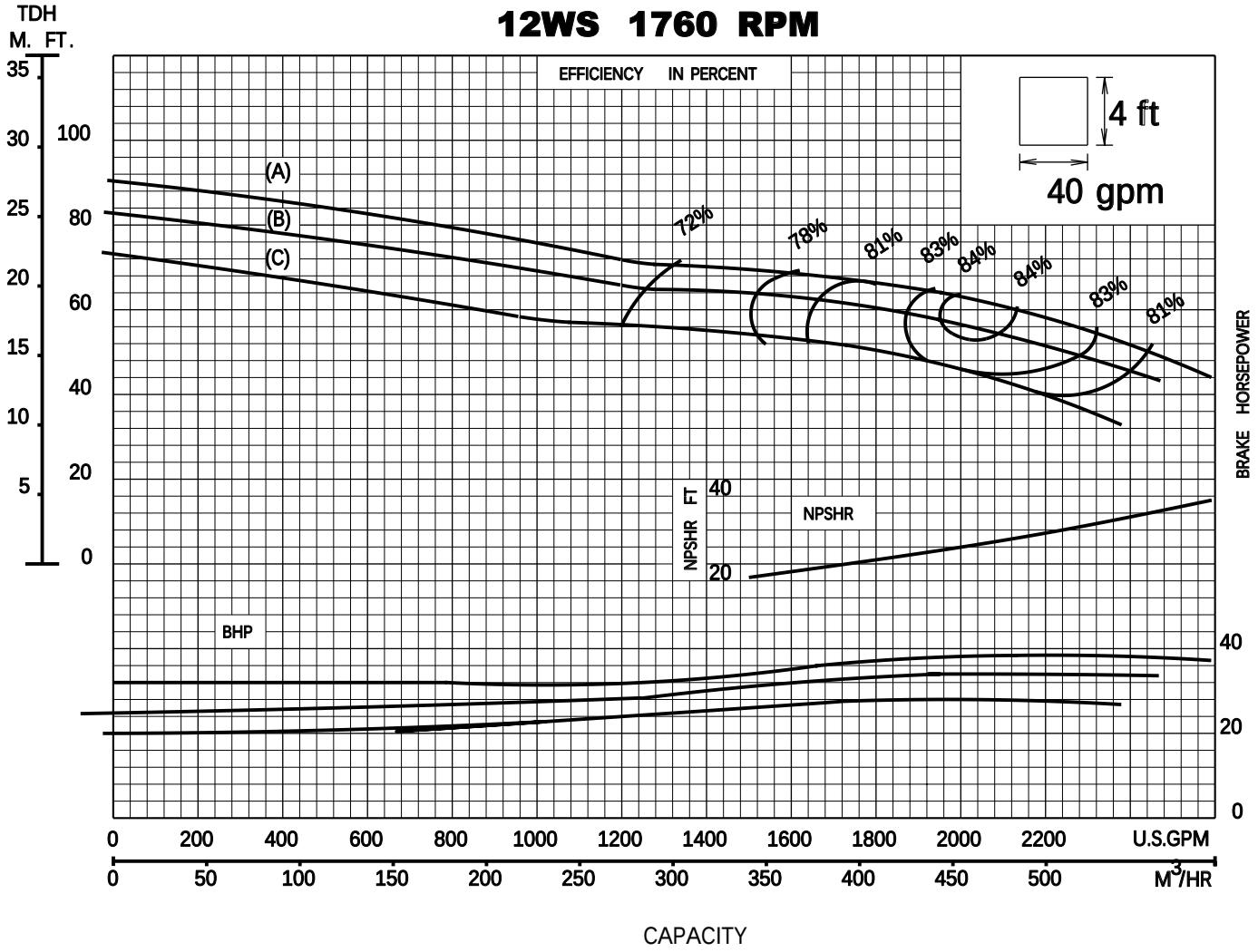
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JANUAR Y 1995

12WS 1760 RPM



IMPELLER DATA

Impeller Number	4777	
Material	BRONZE	
Type	SEMI-OPEN	
Thrust Factor	K=17.40	
Eye Area	29.70	sq. in.
Weight	14.50	lb.

TRIM:
(A) 10.063" X 30.5°
(B) 9.750" X 30.5°
(C) 9.375" X 30.5°

Minimum submergence above eye of top impeller:32 in.

BOWL DATA

Bowl Number	4771 C.I./ENAM.	
Bowl Dia.	12.188"max 11.750"min	
Max. No. Stages	9	
One Stage Weight	415	lb
Add'l Stage Weight	140	lb
Std. Shaft Dia.	1.688	in
Std. Lateral	0.750	in
Discharge Size	8 - 10	in
Suction Size	8 - 10	in
Max. Sphere Size	1.375	in
Max Operation 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.

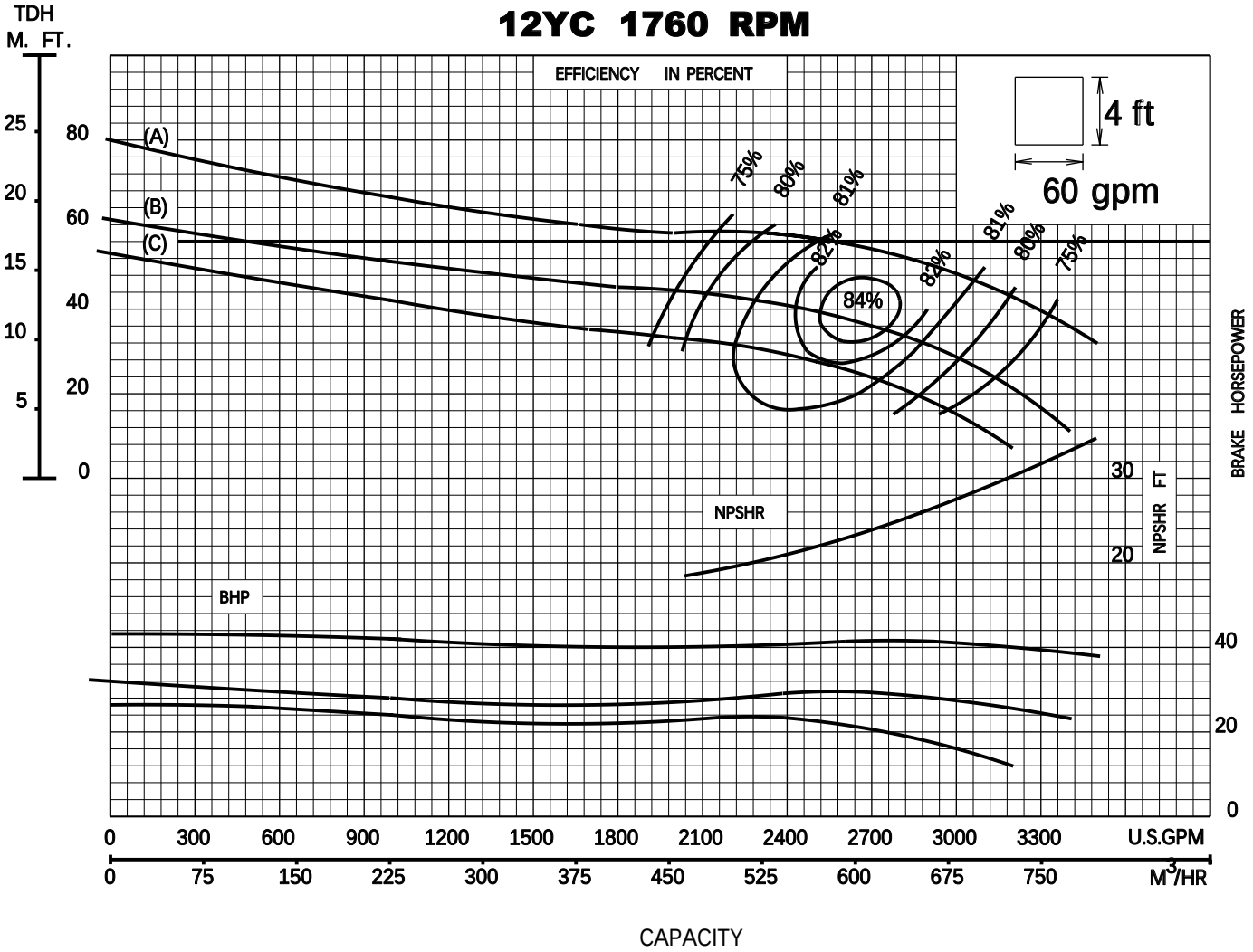
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JANUAR Y 1995

12YC 1760 RPM



IMPELLER DATA

Impeller Number	4778		
Material	BRONZE		
Type	CLOSED		
Thrust Factor	K=14.20		
Eye Area	38.00	sq. in.	
Weight	19.00	lb.	

TRIM: (A) 9.797" X 35°
(B) 9.203" X 35°
(C) 8.734" X 35°

Minimum submergence above eye of bottom impeller: 36 in.

BOWL DATA

Bowl Number	4772 C.I./ENAM.	
Bowl Dia.	12.188"max 11.750"min	
Max. No. Stages	9	
One Stage Weight	415	lb
Add'l Stage Weight	140	lb
Std. Shaft Dia.	1.688	in
Std. Lateral	0.875	in
Discharge Size	8 - 10	in
Suction Size	8 - 10	in
Max. Sphere Size	1.500	in
Max Operation P.S.I.	584 (special)	

EFFICIENCY CORRECTION

Number of Bowls	1	2	3	4
Change as follows	-4	-2	-1	0

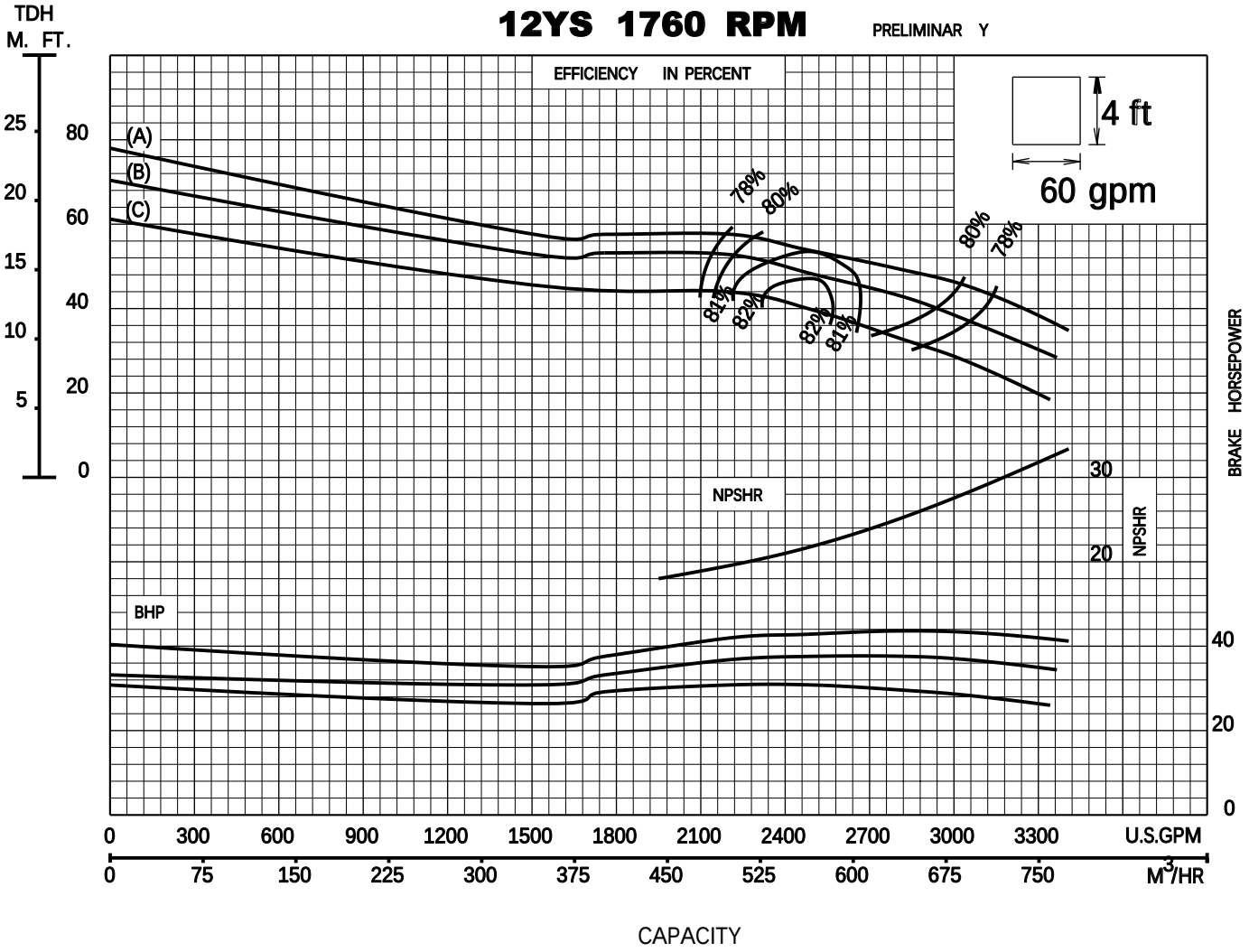
Change in efficiency may affect both head and horsepower.

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

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

NOVEMBER 1998



IMPELLER DATA

Impeller Number	4778-S	
Material	BRONZE	
Type	SEMI-OPEN	
Thrust Factor	K=16.50	
Eye Area	38.00	sq. in.
Weight	19.00	lb.

TRIM:
(A) 9.500" X 35°
(B) 9.000" X 35°
(C) 8.625" X 35°

Minimum submergence above eye of bottom impeller:36 in.

BOWL DATA

Bowl Number	4772-S,C.I./ENAM.	
Bowl Dia.	12.188"max 11.750"min	
Max. No. Stages	8	
One Stage Weight	415	lb
Add'l Stage Weight	140	lb
Std. Shaft Dia.	1.688	in
Std. Lateral	0.875	in
Discharge Size	8 - 10	in
Suction Size	8 - 10	in
Max. Sphere Size	1.500	in
Max Operation 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.

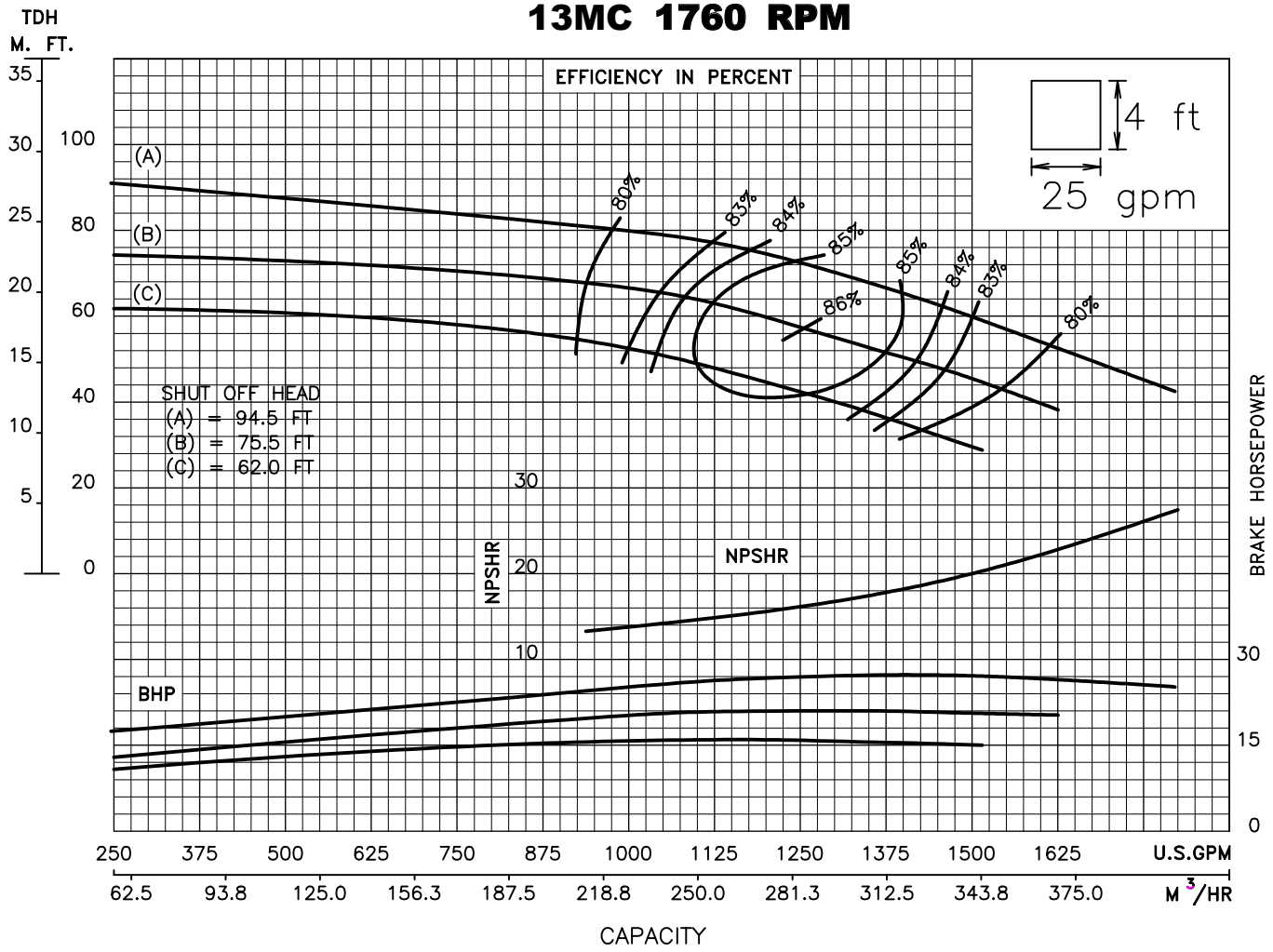
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

FEBRUARY 2002

13MC 1760 RPM



IMPELLER DATA			
Impeller Number	2999	TRIM:	(A) 9.938" x 30°
Material	BRONZE		(B) 9.313" x 30°
Type	CLOSED		(C) 8.625" x 30°
Thrust Factor	K= 7.9		
Eye Area	23.37 sq. in.		
Weight	14.70 lb.		Minimum submergence above eye of bottom impeller: 24 in.

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.

BOWL DATA		
Bowl Number	2998 C.I./ENAM.	
Bowl Dia.	12.500"max 12.125"min	
Max. No. Stages	14	
One Stage Weight	240	lb
Add'l Stage Weight	115	lb
Std. Shaft Dia.	1.688	in
Std. Lateral	0.813	in
Discharge Size	6−8−10	in
Suction Size	8 − 10	in
Max. Sphere Size	0.750	in
Max Operation P.S.I.	584 (special)	

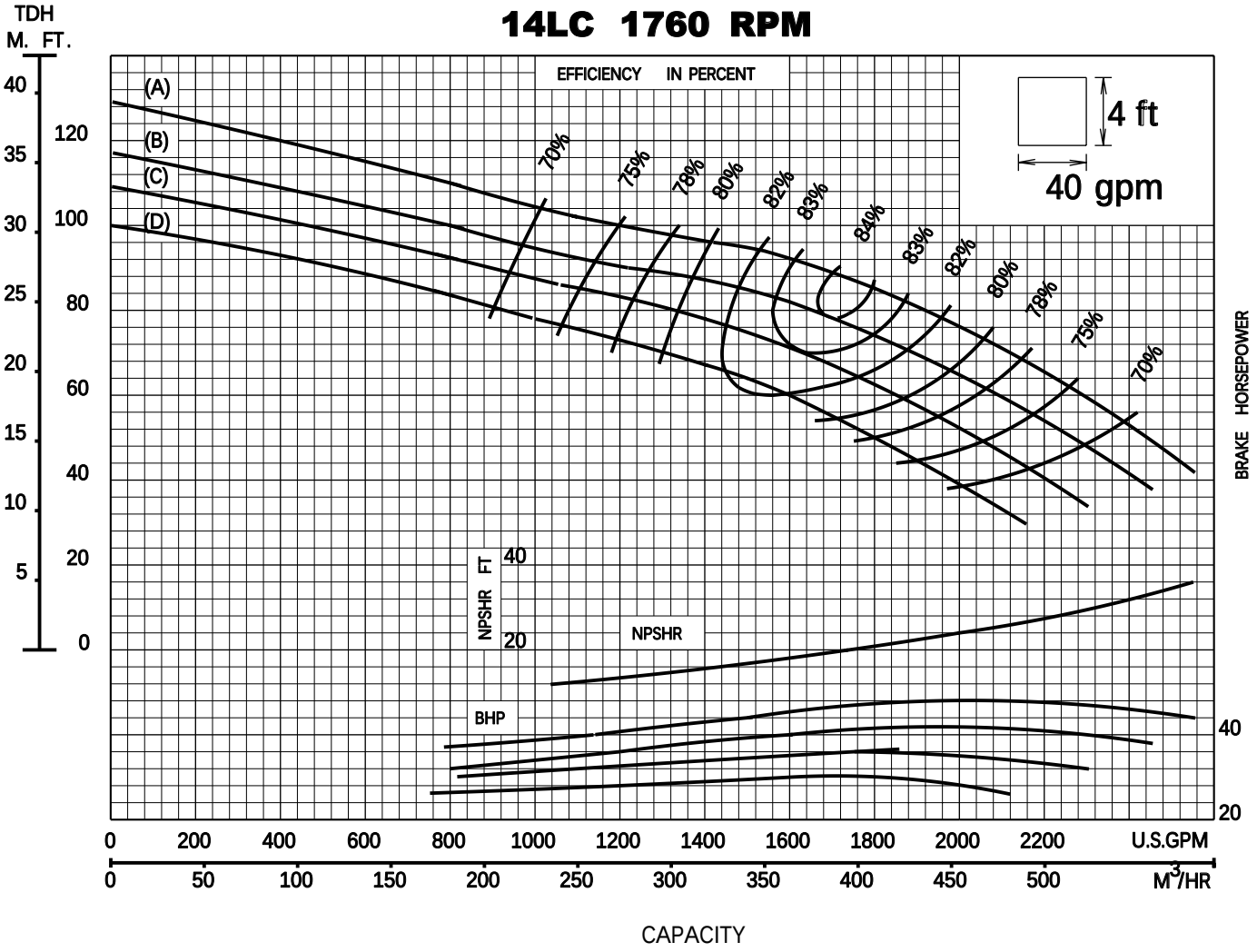
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JANUAR Y 1995

14LC 1760 RPM



IMPELLER DATA

Impeller Number	3105	
Material	BRONZE	
Type	CLOSED	
Thrust Factor	K=17.20	
Eye Area	31.50	sq. in.
Weight	28.00	lb.

TRIM:
(A) 11.313" X 23°
(B) 11.000" X 23°
(C) 10.688" X 23°
(D) 10.313" X 23°

Minimum submergence above eye of bottom impeller:30 in.

BOWL DATA

Bowl Number	3106 C.I./ENAM.	
Bowl Dia.	13.500"max 13.250"min	
Max. No. Stages	12	
One Stage Weight	490	lb
Add'l Stage Weight	175	lb
Std. Shaft Dia.	1.938	in
Std. Lateral	0.875	in
Discharge Size	10-12	in
Suction Size	10-12	in
Max. Sphere Size	0.750	in
Max Operation 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.

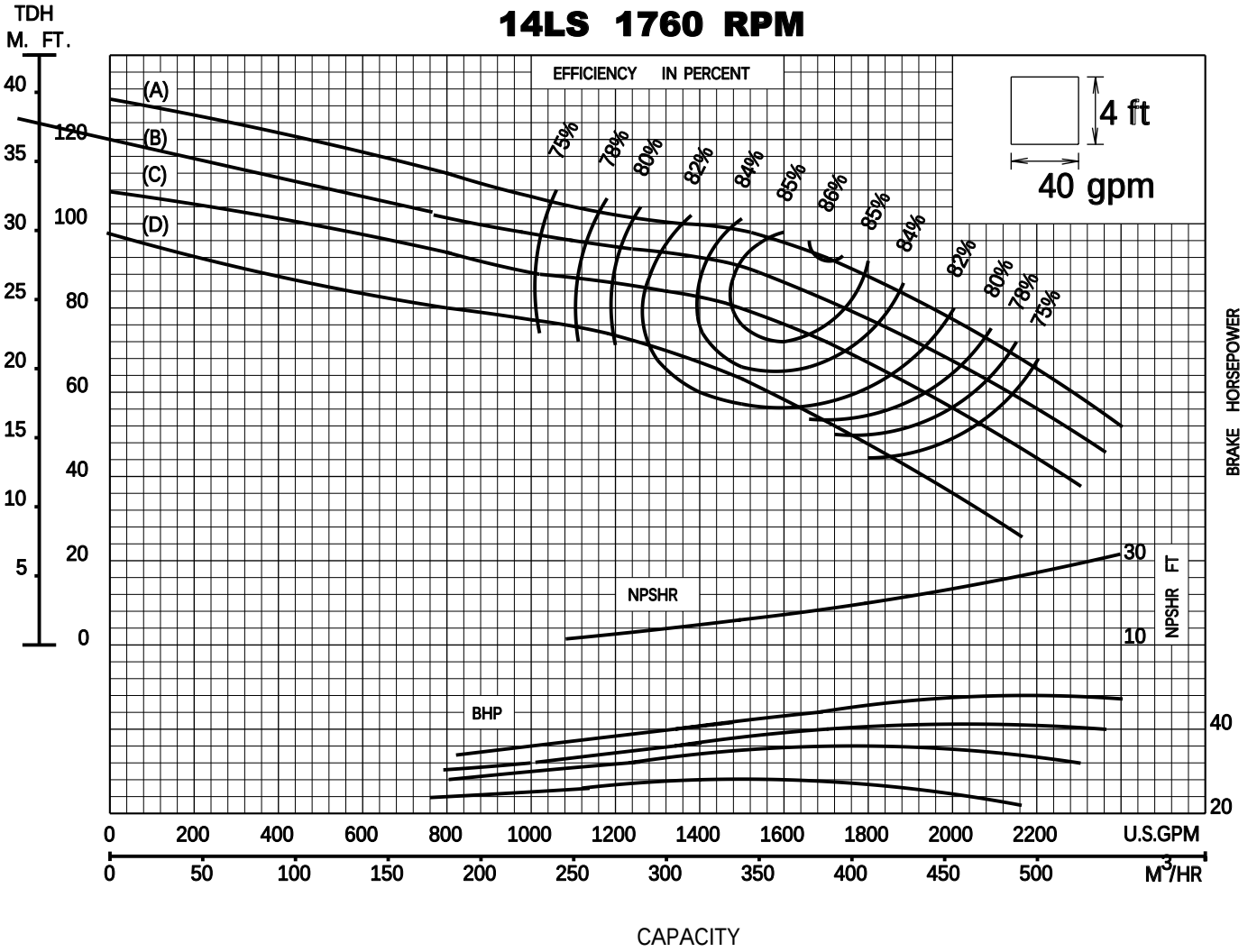
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JANUAR Y 1995

14LS 1760 RPM



CAPACITY

IMPELLER DATA

Impeller Number	3107	
Material	BRONZE	
Type	SEMI-OPEN	
Thrust Factor	K=19.70	
Eye Area	31.50	sq. in.
Weight	18.50	lb.

TRIM:
(A) 11.313" X 23°
(B) 11.000" X 23°
(C) 10.688" X 23°
(D) 10.313" X 23°

Minimum submergence above eye of top impeller:30 in.

BOWL DATA

Bowl Number	3106-S,C.I./ENAM	
Bowl Dia.	13.500"max 13.250"min	
Max. No. Stages	12	
One Stage Weight	490	lb
Add'l Stage Weight	175	lb
Std. Shaft Dia.	1.938	in
Std. Lateral	0.875	in
Discharge Size	10-12	in
Suction Size	10-12	in
Max. Sphere Size	0.750	in
Max Operation 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.

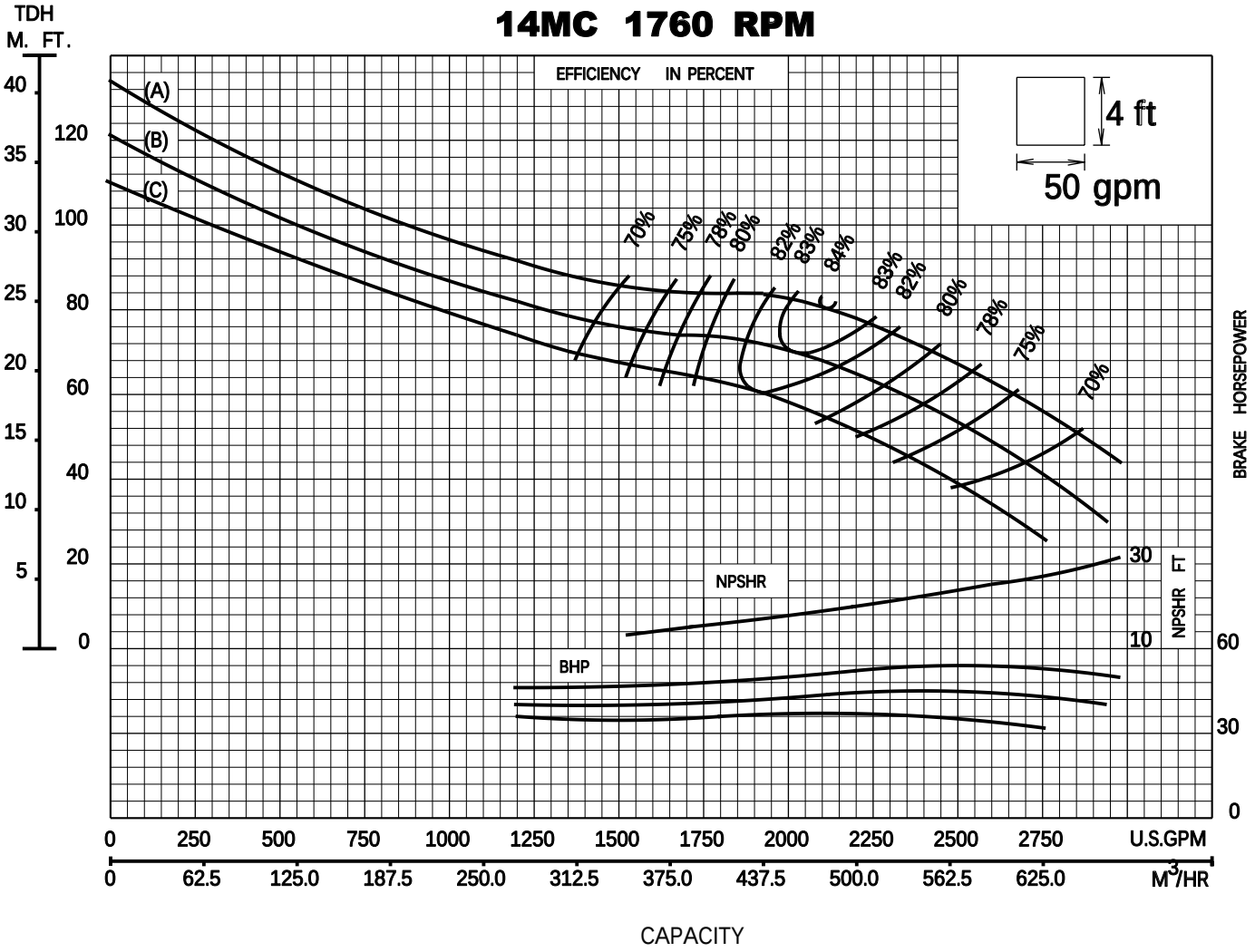
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JANUAR Y 1995

14MC 1760 RPM



IMPELLER DATA

Impeller Number	3065	
Material	BRONZE	
Type	CLOSED	
Thrust Factor	K=21.80	
Eye Area	40.90	sq. in.
Weight	28.00	lb.

TRIM:
(A) 11.313" X 30°
(B) 11.000" X 30°
(C) 10.688" X 30°

Minimum submergence above eye of bottom impeller:30 in.

BOWL DATA

Bowl Number	3042 C.I./ENAM.	
Bowl Dia.	13.500"max 13.250"min	
Max. No. Stages	10	
One Stage Weight	490	lb
Add'l Stage Weight	175	lb
Std. Shaft Dia.	1.938	in
Std. Lateral	0.875	in
Discharge Size	10-12	in
Suction Size	10-12	in
Max. Sphere Size	1.250	in
Max Operation 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.

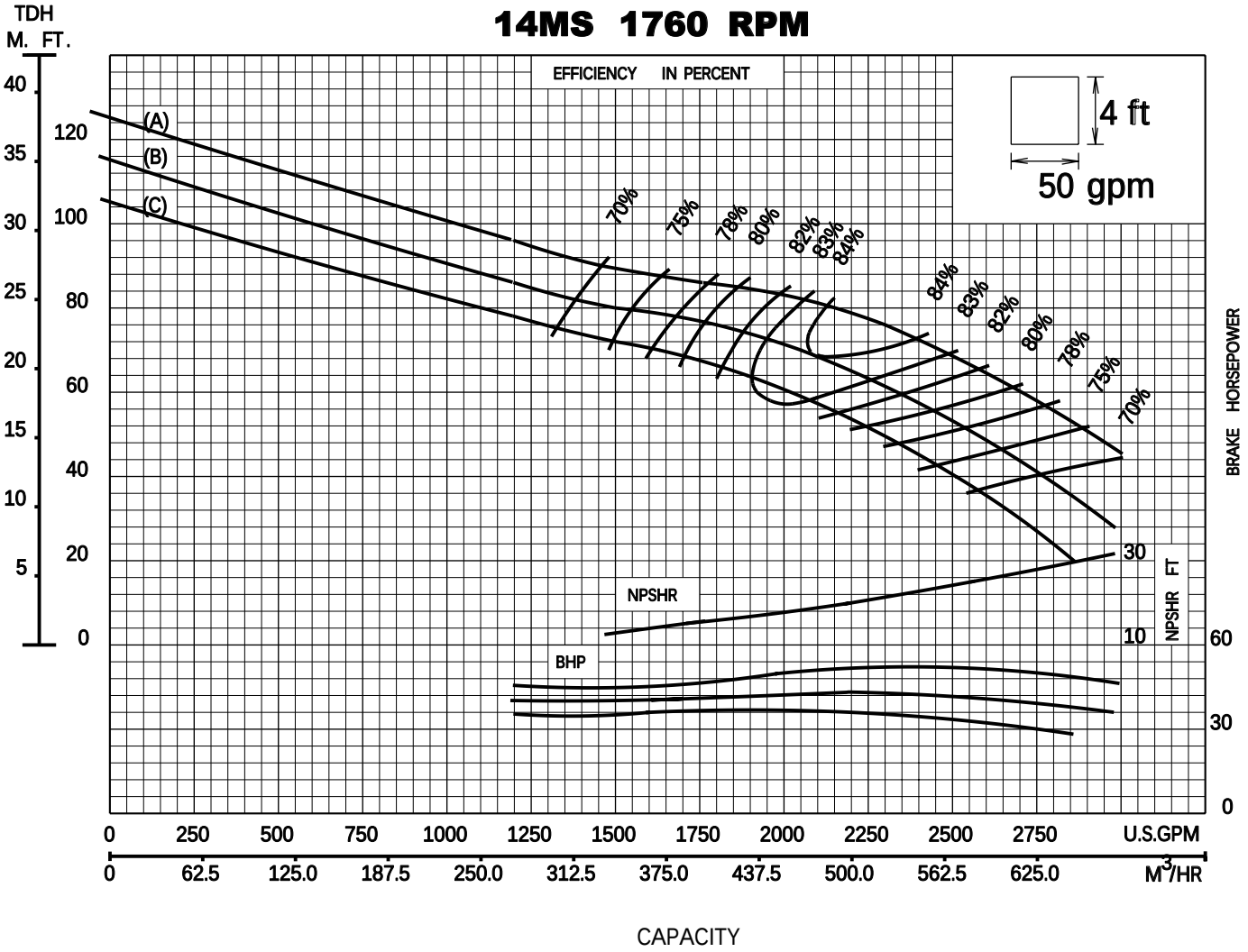
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JANUAR Y 1995

14MS 1760 RPM



IMPELLER DATA

Impeller Number	3078	
Material	BRONZE	
Type	SEMI-OPEN	
Thrust Factor	K=23.40	
Eye Area	40.90	sq. in.
Weight	20.25	lb.

TRIM:
(A) 11.313" X 30°
(B) 11.000" X 30°
(C) 10.688" X 30°

Minimum submergence above eye of top impeller:30 in.

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.

BOWL DATA

Bowl Number	3042-S,C.I./ENAM.	
Bowl Dia.	13.500"max 13.250"min	
Max. No. Stages	10	
One Stage Weight	490	lb
Add'l Stage Weight	175	lb
Std. Shaft Dia.	1.938	in
Std. Lateral	0.875	in
Discharge Size	10-12	in
Suction Size	10-12	in
Max. Sphere Size	1.250	in
Max Operation P.S.I.	540 (special)	

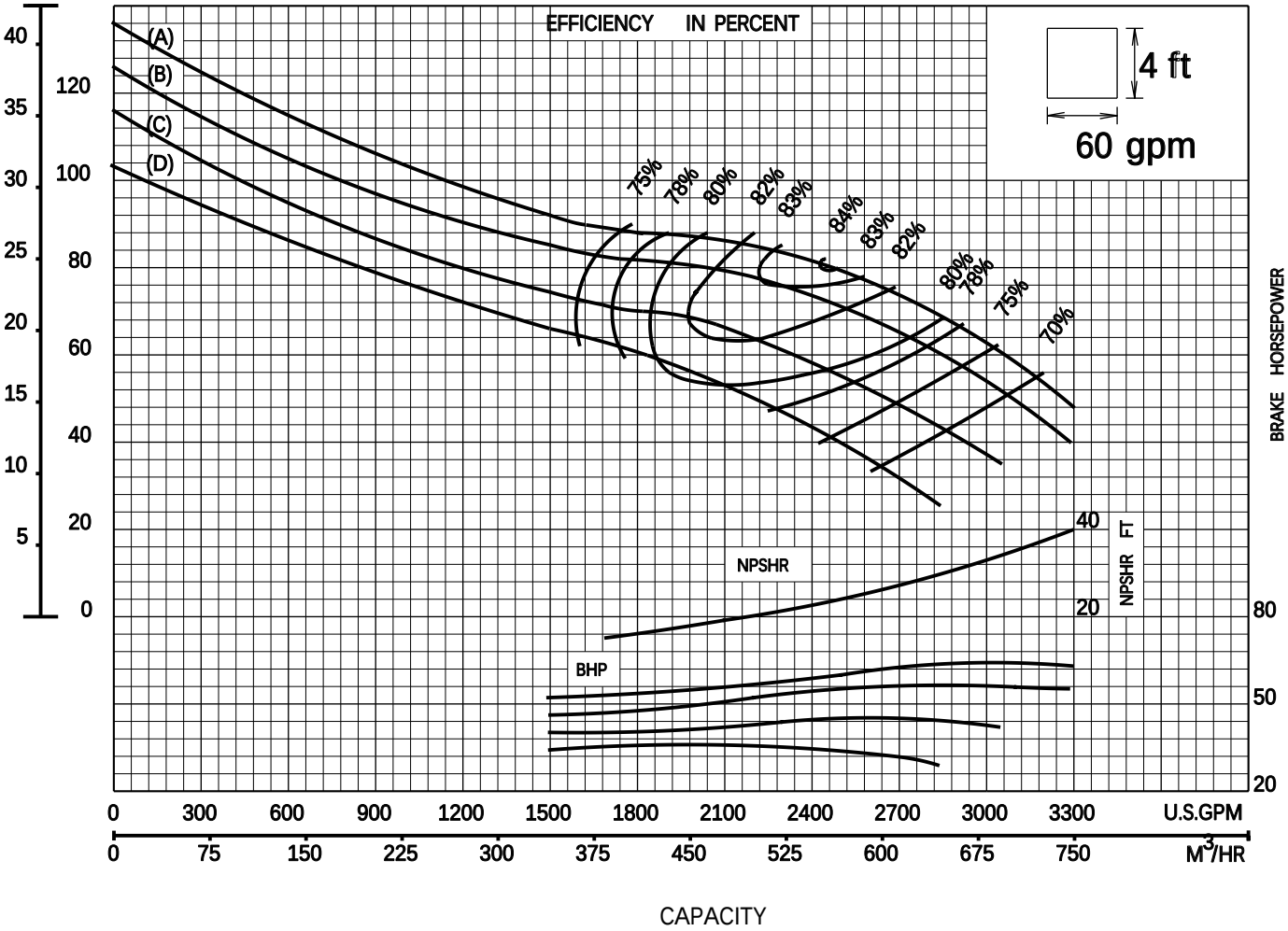
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JANUAR Y 1995

14HC 1760 RPM



IMPELLER DATA

Impeller Number	3029	
Material	BRONZE	
Type	CLOSED	
Thrust Factor	K=21.80	
Eye Area	40.90	sq. in.
Weight	30.25	lb.

TRIM:
(A) 11.313" X 32.5°
(B) 11.125" X 32.5°
(C) 10.844" X 32.5°
(D) 10.500" X 32.5°

Minimum submergence above eye of bottom impeller 32 in.

BOWL DATA

Bowl Number	3042 C.I./ENAM.	
Bowl Dia.	13.500"max 13.250"min	
Max. No. Stages	9	
One Stage Weight	490	lb
Add'l Stage Weight	175	lb
Std. Shaft Dia.	1.938	in
Std. Lateral	0.875	in
Discharge Size	10-12	in
Suction Size	10-12	in
Max. Sphere Size	1.250	in
Max Operation 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.

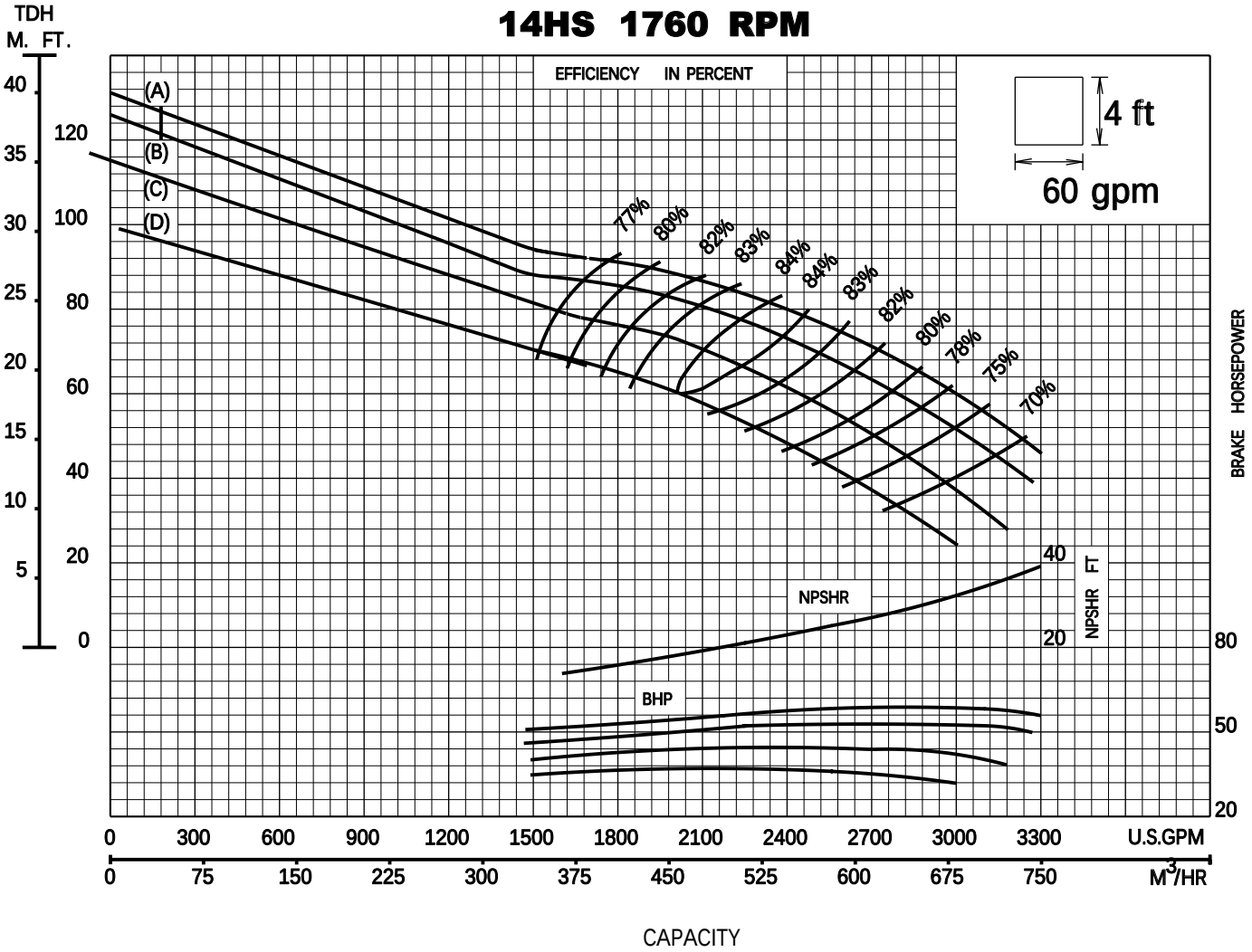
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JANUAR Y 1995

14HS 1760 RPM



IMPELLER DATA

Impeller Number	3029	
Material	BRONZE	
Type	SEMI-OPEN	
Thrust Factor	K=25.20	
Eye Area	43.85	sq. in.
Weight	21.25	lb.

TRIM:
(A) 11.313" X 32.5°
(B) 11.125" X 32.5°
(C) 10.844" X 32.5°
(D) 10.500" X 32.5°

Minimum submergence above eye of top impeller 32 in.

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.

BOWL DATA

Bowl Number	3042-S,C.I./ENAM.	
Bowl Dia.	13.500"max 13.250"min	
Max. No. Stages	9	
One Stage Weight	490	lb
Add'l Stage Weight	175	lb
Std. Shaft Dia.	1.938	in
Std. Lateral	0.875	in
Discharge Size	10-12	in
Suction Size	10-12	in
Max. Sphere Size	1.250	in
Max Operation P.S.I.	540 (special)	

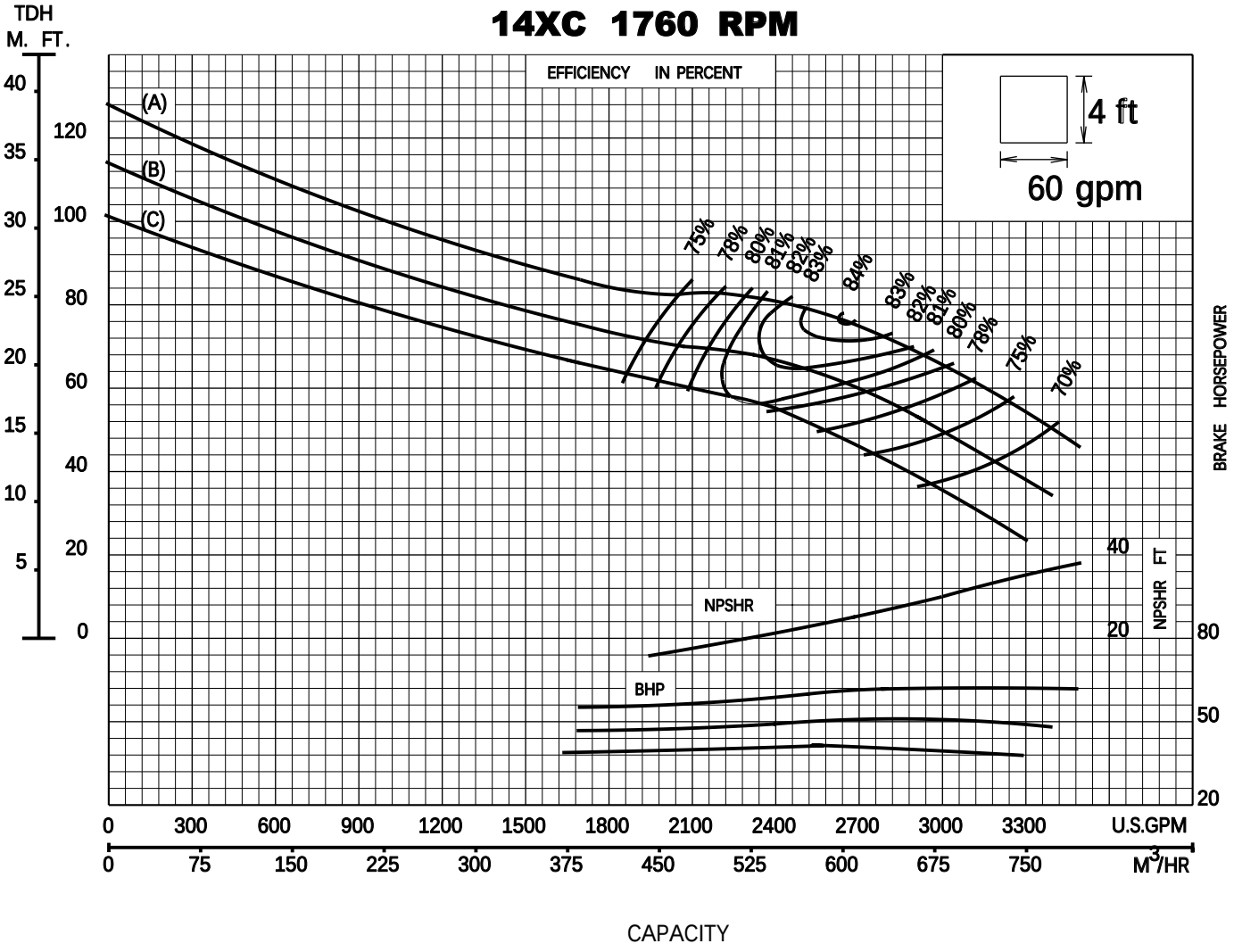
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JANUAR Y 1995

14XC 1760 RPM



IMPELLER DATA

Impeller Number	3086	
Material	BRONZE	
Type	CLOSED	
Thrust Factor	K=21.80	
Eye Area	40.90	sq. in.
Weight	29.25	lb.

TRIM:
(A) 11.313" X 32.5°
(B) 11.000" X 32.5°
(C) 10.625" X 32.5°

Minimum submergence above eye of bottom impeller:32 in.

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.

BOWL DATA

Bowl Number	3042 C.I./ENAM.	
Bowl Dia.	13.500"max 13.250"min	
Max. No. Stages	9	
One Stage Weight	490	lb
Add'l Stage Weight	175	lb
Std. Shaft Dia.	1.938	in
Std. Lateral	0.875	in
Discharge Size	10-12	in
Suction Size	10-12	in
Max. Sphere Size	1.250	in
Max Operation P.S.I.	540 (special)	

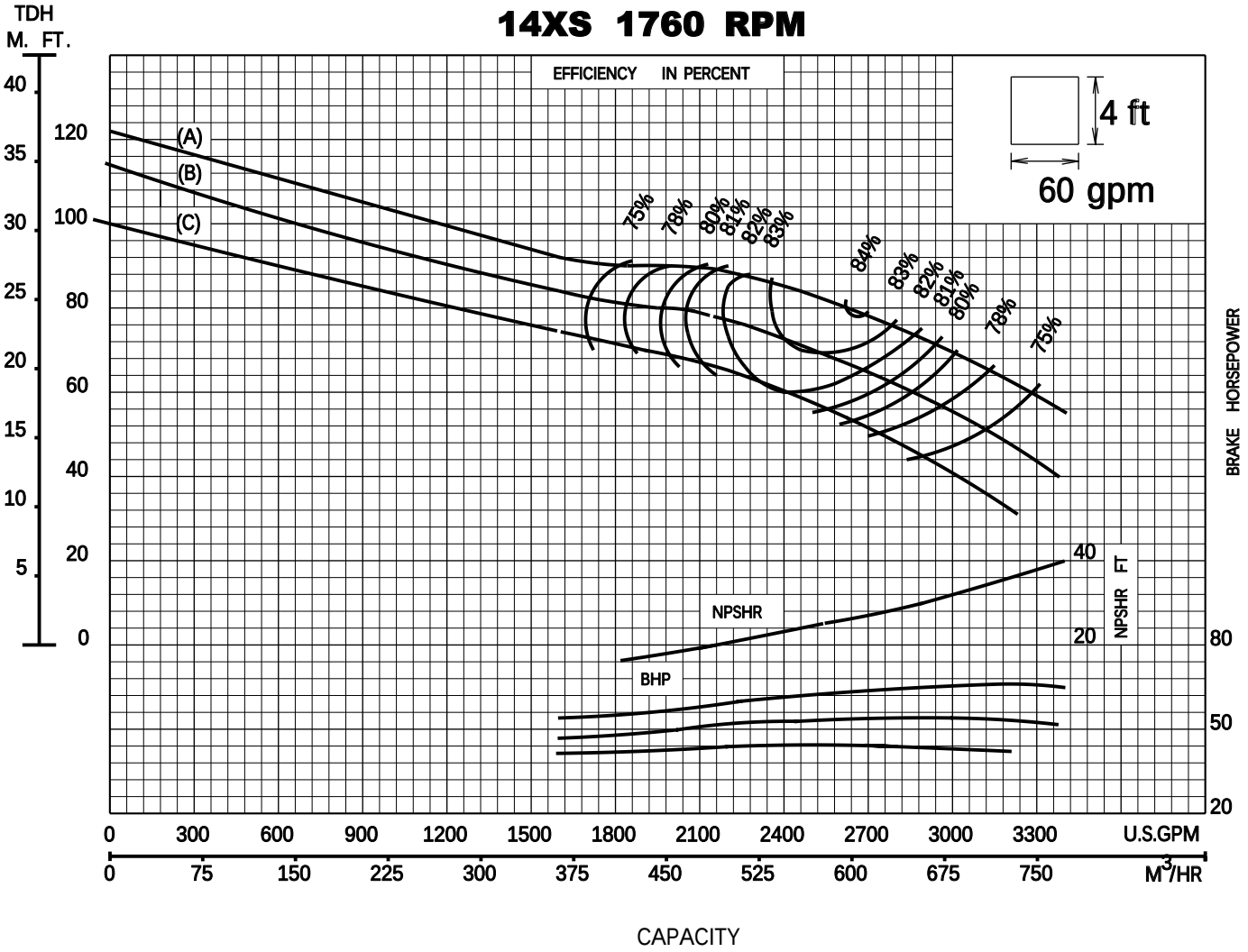
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JANUAR Y 1995

14XS 1760 RPM



IMPELLER DATA

Impeller Number	3092	TRIM:	(A) 11.313" X 32.5°
Material	BRONZE		(B) 11.000" X 32.5°
Type	SEMI-OPEN		(C) 10.625" X 32.5°
Thrust Factor	K=23.40		
Eye Area	40.90 sq. in.		Minimum submergence above eye of top impeller:32 in.
Weight	20.25 lb.		

BOWL DATA

Bowl Number	3042-S,C.I./ENAM.	
Bowl Dia.	13.500"max 13.250"min	
Max. No. Stages	8	
One Stage Weight	490	lb
Add'l Stage Weight	175	lb
Std. Shaft Dia.	1.938	in
Std. Lateral	0.875	in
Discharge Size	10-12	in
Suction Size	10-12	in
Max. Sphere Size	1.250	in
Max Operation 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.

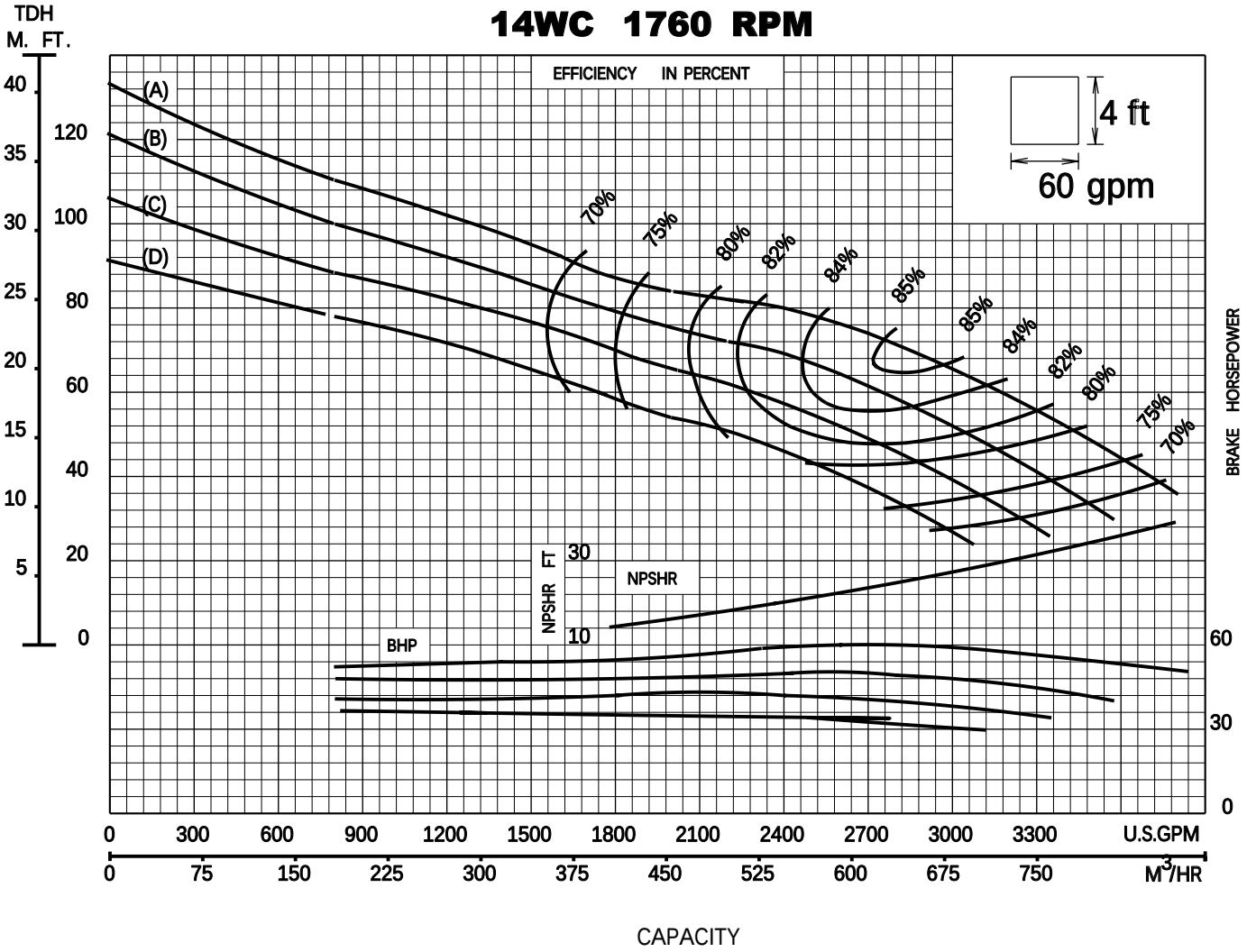
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JANUAR Y 1995

14WC 1760 RPM



IMPELLER DATA

Impeller Number	4151	
Material	BRONZE	
Type	CLOSED	
Thrust Factor	K=24.80	
Eye Area	47.30	sq. in.
Weight	31.75	lb.

TRIM:
(A) 11.813" X 35°
(B) 11.500" X 35°
(C) 11.000" X 35°
(D) 10.500" X 35°

Minimum submergence above eye of bottom impeller: 34 in.

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.

BOWL DATA

Bowl Number	4152 C.I./ENAM.	
Bowl Dia.	14.063"max 13.750"min	
Max. No. Stages	9	
One Stage Weight	500	lb
Add'l Stage Weight	185	lb
Std. Shaft Dia.	1.938	in
Std. Lateral	0.875	in
Discharge Size	10-12	in
Suction Size	10-12	in
Max. Sphere Size	1.500	in
Max Operation P.S.I.	540 (special)	

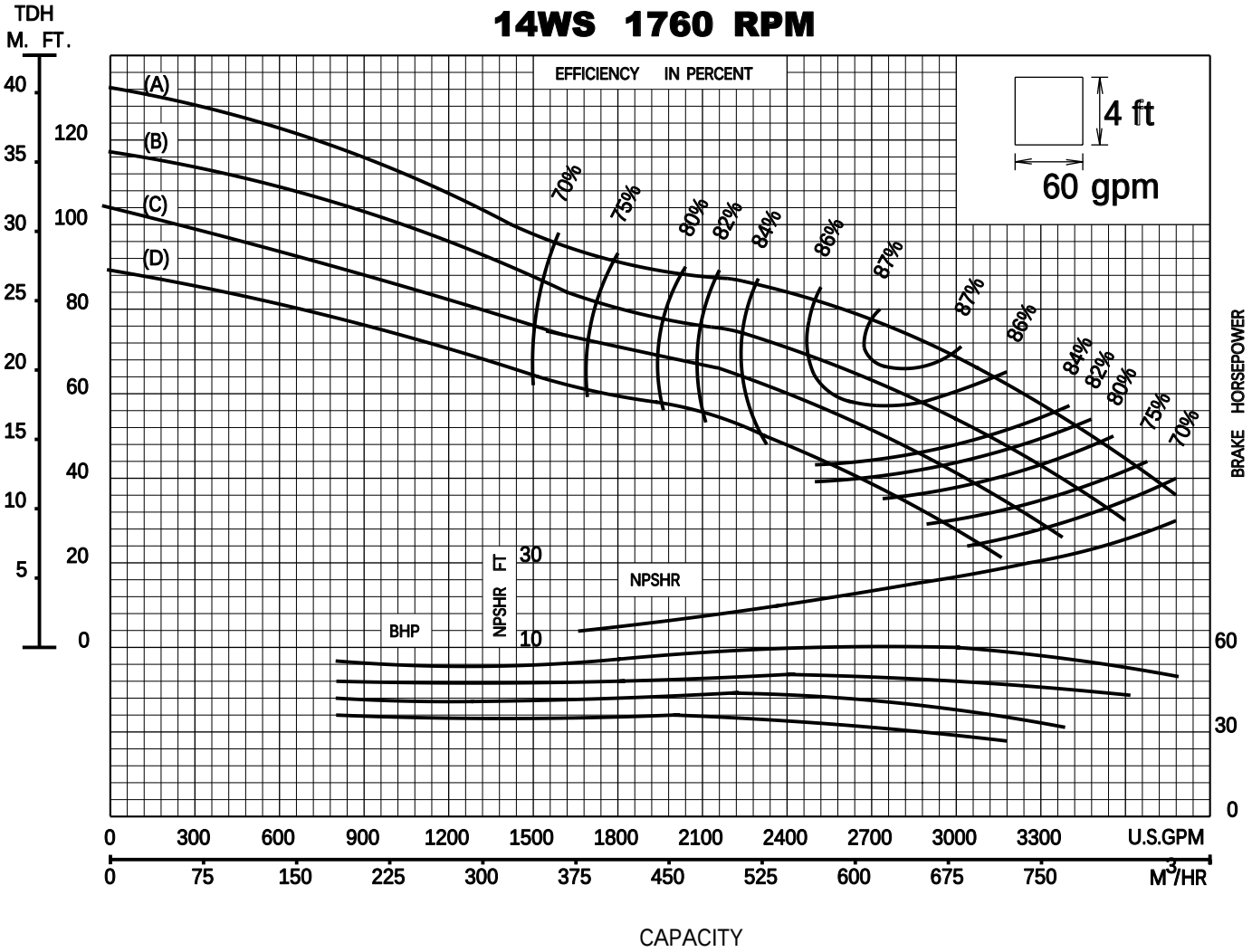
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JANUAR Y 1995

14WS 1760 RPM



IMPELLER DATA

Impeller Number	4153	
Material	BRONZE	
Type	SEMI-OPEN	
Thrust Factor	K=26.20	
Eye Area	47.30	sq. in.
Weight	23.25	lb.

TRIM:
(A) 11.813" X 35°
(B) 11.500" X 35°
(C) 11.000" X 35°
(D) 10.500" X 35°

Minimum submergence above eye of top impeller:34 in.

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.

BOWL DATA

Bowl Number	4152-S,C.I./ENAM.	
Bowl Dia.	14.063"max 13.750"min	
Max. No. Stages	9	
One Stage Weight	500	lb
Add'l Stage Weight	185	lb
Std. Shaft Dia.	1.938	in
Std. Lateral	0.875	in
Discharge Size	10-12	in
Suction Size	10-12	in
Max. Sphere Size	1.500	in
Max Operation P.S.I.	540 (special)	

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

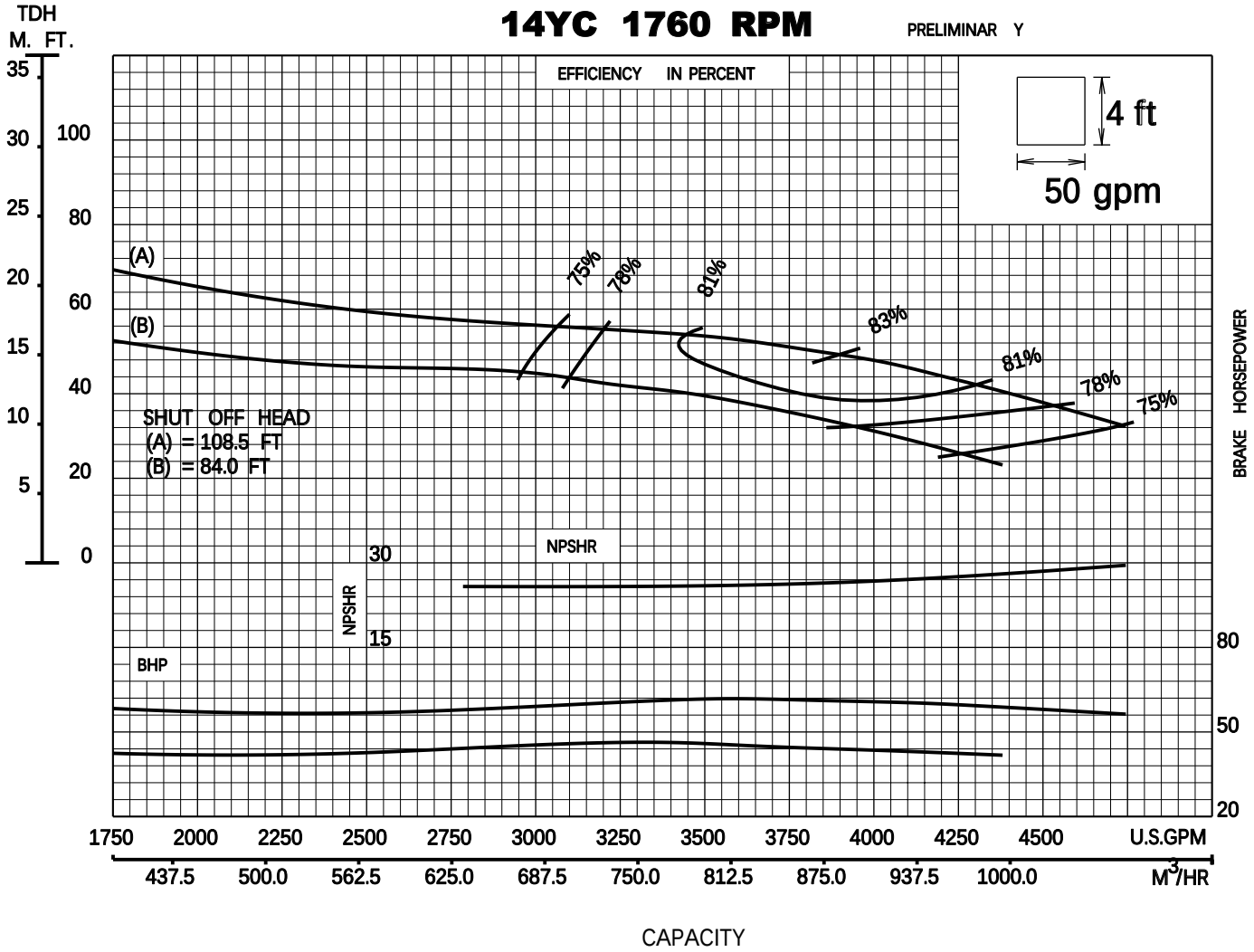
AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

AUGUST 1999

14YC 1760 RPM

PRELIMINAR Y



IMPELLER DATA

Impeller Number	3878	
Material	BRONZE	
Type	CLOSED	
Thrust Factor	K=24.00	
Eye Area	57.0	sq. in.
Weight	28	lb.

TRIM: (A) 11.250" X 35°
(B) 10.625" X 35°

Minimum submergence above eye of bottom impeller: 34 in.

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.

BOWL DATA

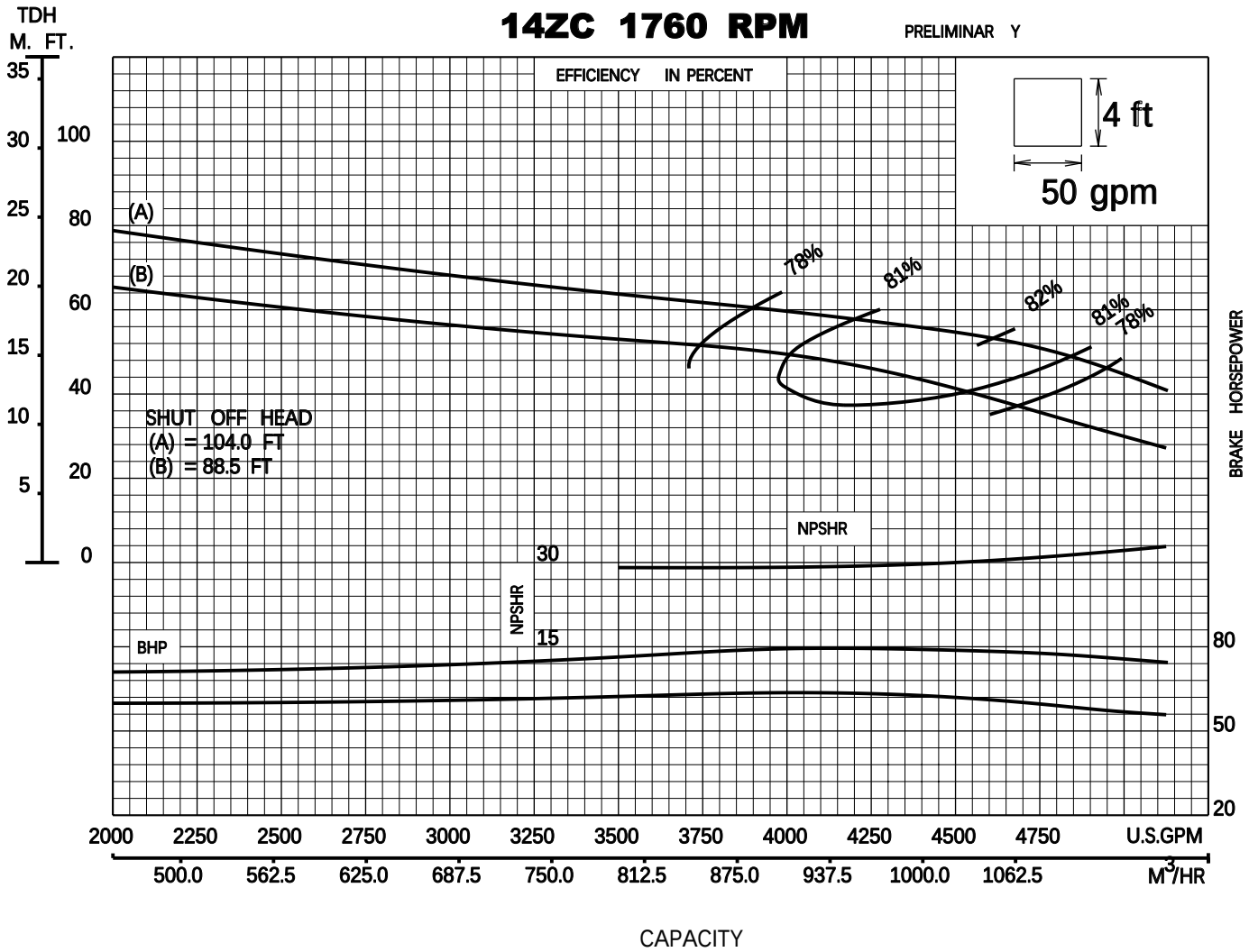
Bowl Number	3869 C.I./ENAM.	
Bowl Dia.	13.750"max 13.500"min	
Max. No. Stages	9	
One Stage Weight	335	lb
Add'l Stage Weight	188	lb
Std. Shaft Dia.	1.938	in
Std. Lateral	0.625	in
Discharge Size	10-12	in
Suction Size	10-12	in
Max. Sphere Size	1.250	in
Max Operation P.S.I.	540 (special)	

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

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

MARCH 2000



IMPELLER DATA

Impeller Number	3896	
Material	BRONZE	
Type	CLOSED	
Thrust Factor	K=24.70	
Eye Area	58.5	sq. in.
Weight	28.0	lb.

TRIM: (A) 11.250" X 35°
(B) 10.750" X 35°

Minimum submergence above eye of bottom impeller:34 in.

BOWL DATA

Bowl Number	3869 C.I./ENAM.	
Bowl Dia.	13.750"max 13.500"min	
Max. No. Stages	6	
One Stage Weight	335	lb
Add'l Stage Weight	188	lb
Std. Shaft Dia.	1.938	in
Std. Lateral	0.625	in
Discharge Size	10-12	in
Suction Size	10-12	in
Max. Sphere Size	1.250	in
Max Operation 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.

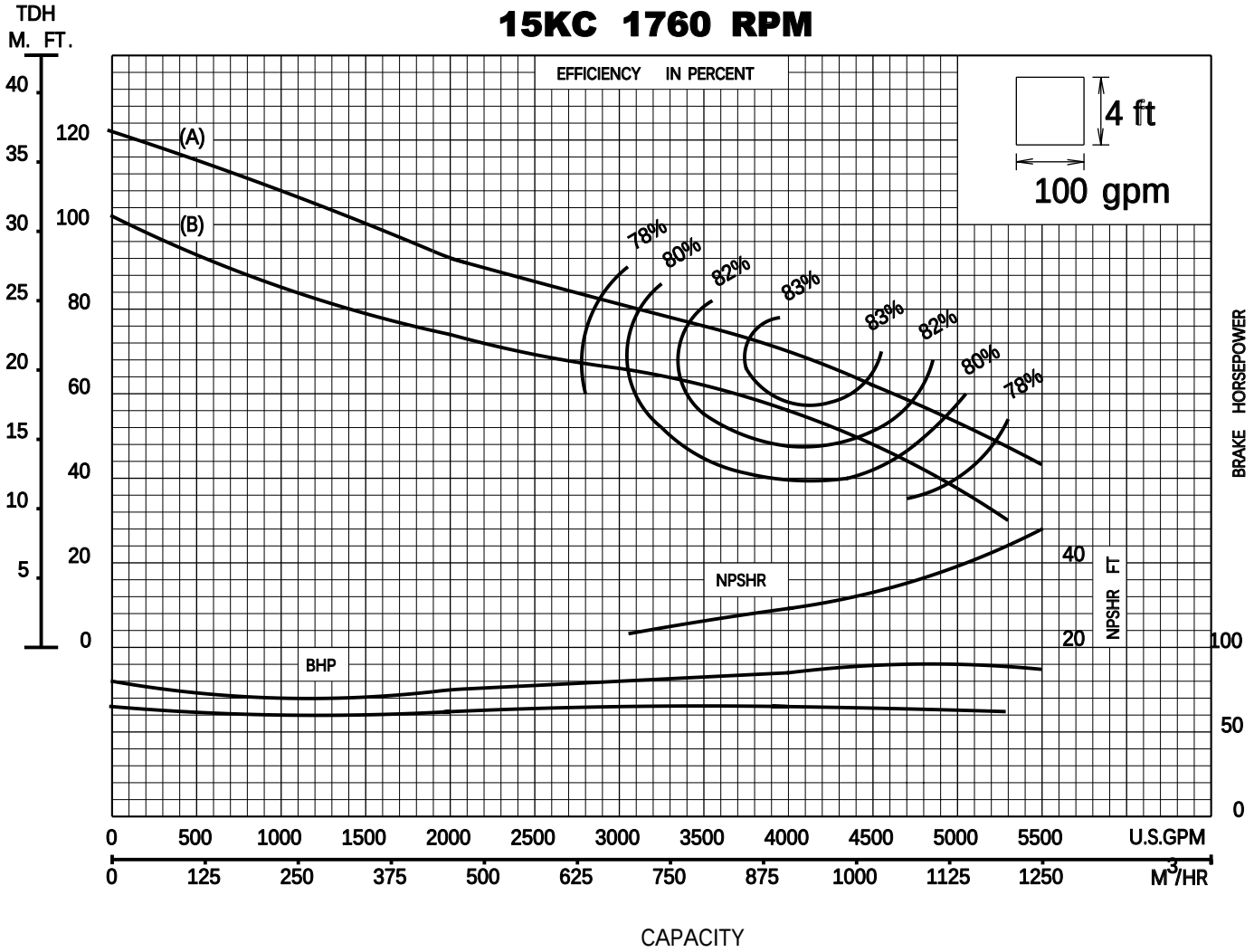
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JANUAR Y 1995

15KC 1760 RPM



IMPELLER DATA

Impeller Number	0004	
Material	BRONZE	
Type	CLOSED	
Thrust Factor	K=28.00	
Eye Area	63.60	sq. in.
Weight	30.00	lb.

TRIM: (A) 11.850" X 34°
(B) 11.000" X 34°

Minimum submergence above eye of bottom impeller:36 in.

BOWL DATA

Bowl Number	0001 C.I./ENAM.	
Bowl Dia.	15.250"max 14.750"min	
Max. No. Stages	6	
One Stage Weight	510	lb
Add'l Stage Weight	195	lb
Std. Shaft Dia.	1.938	in
Std. Lateral	0.688	in
Discharge Size	10-12	in
Suction Size	10-12	in
Max. Sphere Size	2.250	in
Max Operation 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.

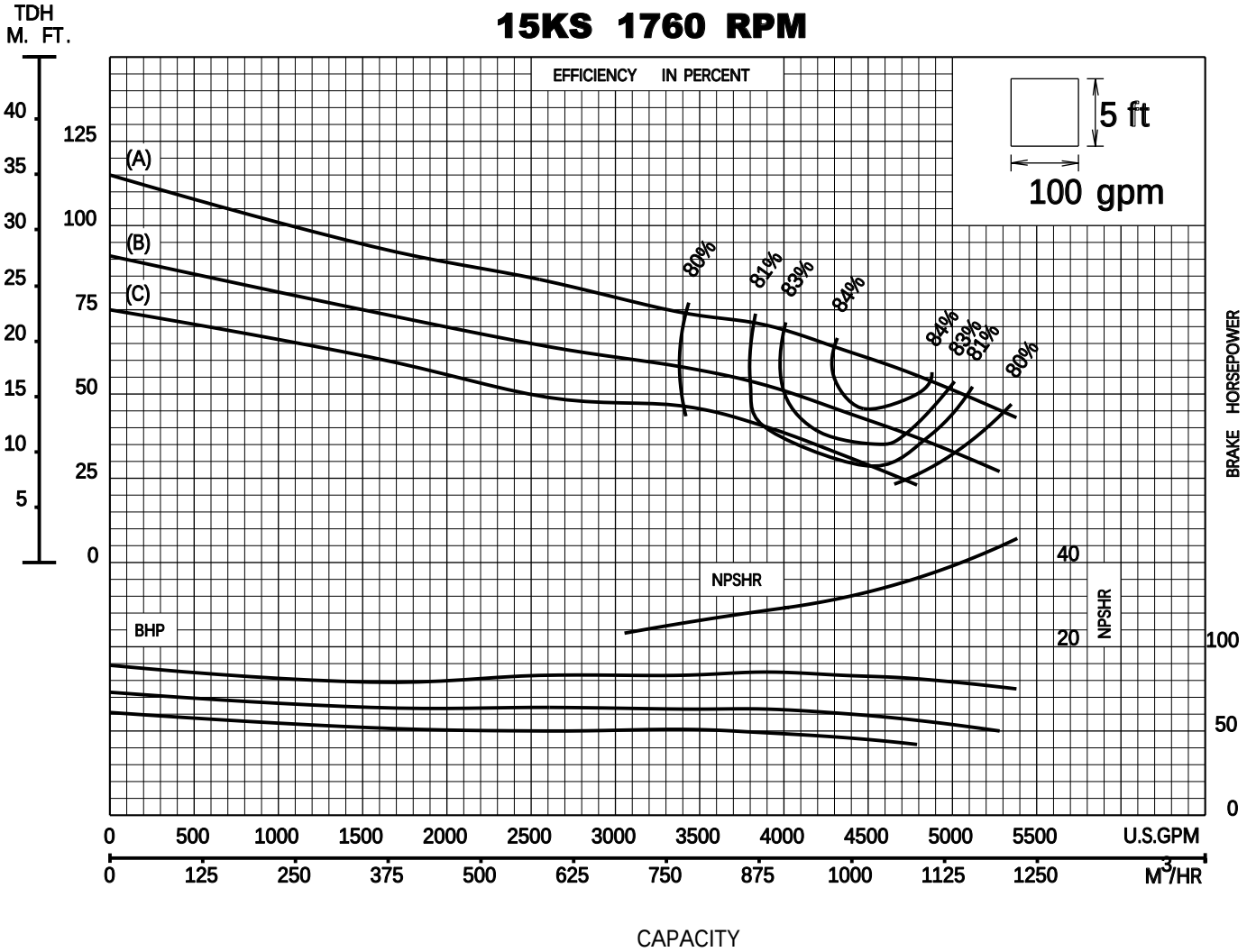
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

SEPTEMBER 1998

15KS 1760 RPM



IMPELLER DATA

Impeller Number	0004-S	
Material	BRONZE	
Type	SEMI-OPEN	
Thrust Factor	K=30.00	
Eye Area	63.60	sq. in.
Weight	21.00	lb.

TRIM: (A) 11.850" x 34°
(B) 11.000" x 34°
(C) 10.500" x 34°

Minimum submergence above eye of bottom impeller:36 in.

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.

BOWL DATA

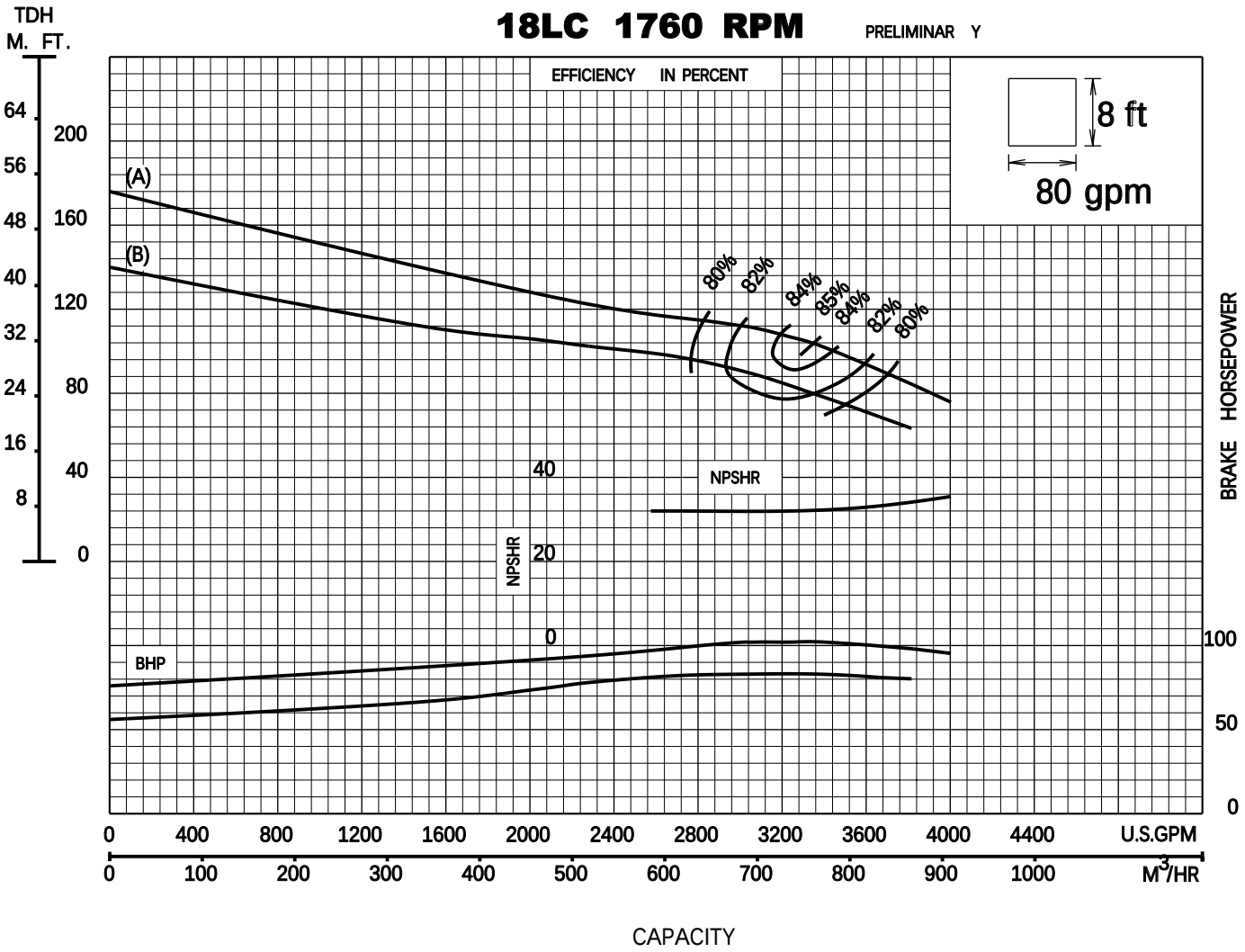
Bowl Number	0001-S,C.I./ENAM.	
Bowl Dia.	15.250"max 14.750"min	
Max. No. Stages	6	
One Stage Weight	375	lb
Add'l Stage Weight	170	lb
Std. Shaft Dia.	1.938	in
Std. Lateral	0.688	in
Discharge Size	10-12	in
Suction Size	10-12	in
Max. Sphere Size	2.250	in
Max Operation P.S.I.	540 (special)	

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

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JUNE 2000



IMPELLER DATA

Impeller Number	3914	
Material	BRONZE	
Type	CLOSED	
Thrust Factor	K=21.75	
Eye Area	46.0	sq. in.
Weight	42.0	lb.

TRIM: (A) 13.188" X 20°
(B) 12.250" X 20°

Minimum submergence above eye of bottom impeller:48 in.

BOWL DATA

Bowl Number	3905 C.I.\ENAM.	
Bowl Dia.	17.750"max 17.500"min	
Max. No. Stages	9	
One Stage Weight	750	lb
Add'l Stage Weight	325	lb
Std. Shaft Dia.	2.188	in
Std. Lateral	0.500	in
Discharge Size	12-14	in
Suction Bell Size	18.000	in
Max. Sphere Size	1.250	in
Max Operation P.S.I.	450	

EFFICIENCY CORRECTION

Number of Bowls	1	2	3		
Change as follows	-2	-1	0		

Change in efficiency may affect both head and horsepower.

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

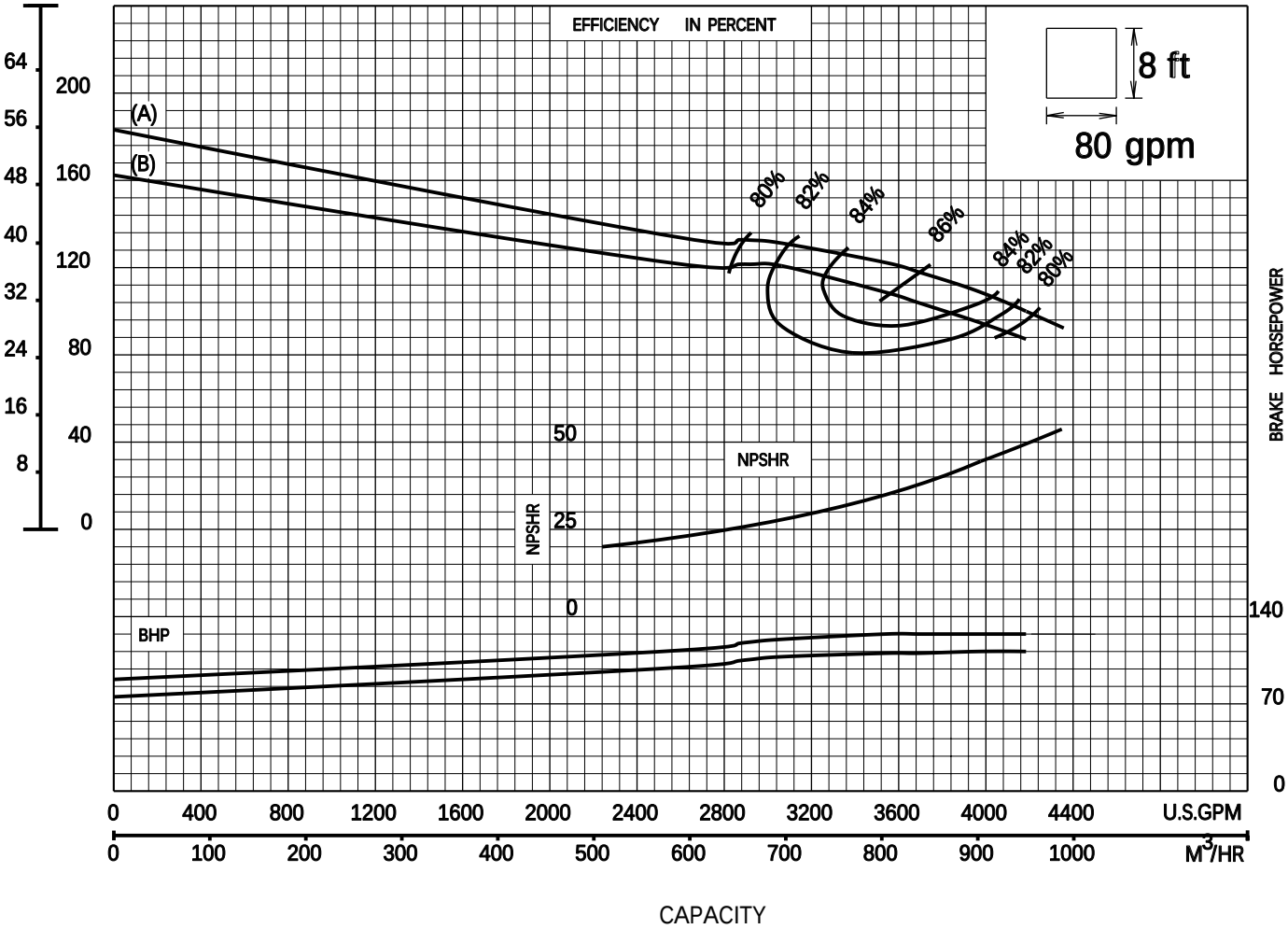
AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JUNE 2000

18MC 1760 RPM

PRELIMINAR Y



IMPELLER DATA

Impeller Number	3923	
Material	BRONZE	
Type	CLOSED	
Thrust Factor	K=21.75	
Eye Area	50.27	sq. in.
Weight	42.0	lb.

TRIM: (A) 13.188" X 20°
(B) 12.250" X 20°

Minimum submergence above eye of bottom impeller 48 in.

EFFICIENCY CORRECTION

Number of Bowls	1	2	3		
Change as follows	-2	-1	0		

Change in efficiency may affect both head and horsepower.

BOWL DATA

Bowl Number	3905 C.I.\ENAM.	
Bowl Dia.	17.750"max 17.500"min	
Max. No. Stages	7	
One Stage Weight	750	lb
Add'l Stage Weight	325	lb
Std. Shaft Dia.	2.188	in
Std. Lateral	0.500	in
Discharge Size	12-14	in
Suction Bell Size	18.000	in
Max. Sphere Size	1.375	in
Max Operation P.S.I.	450	

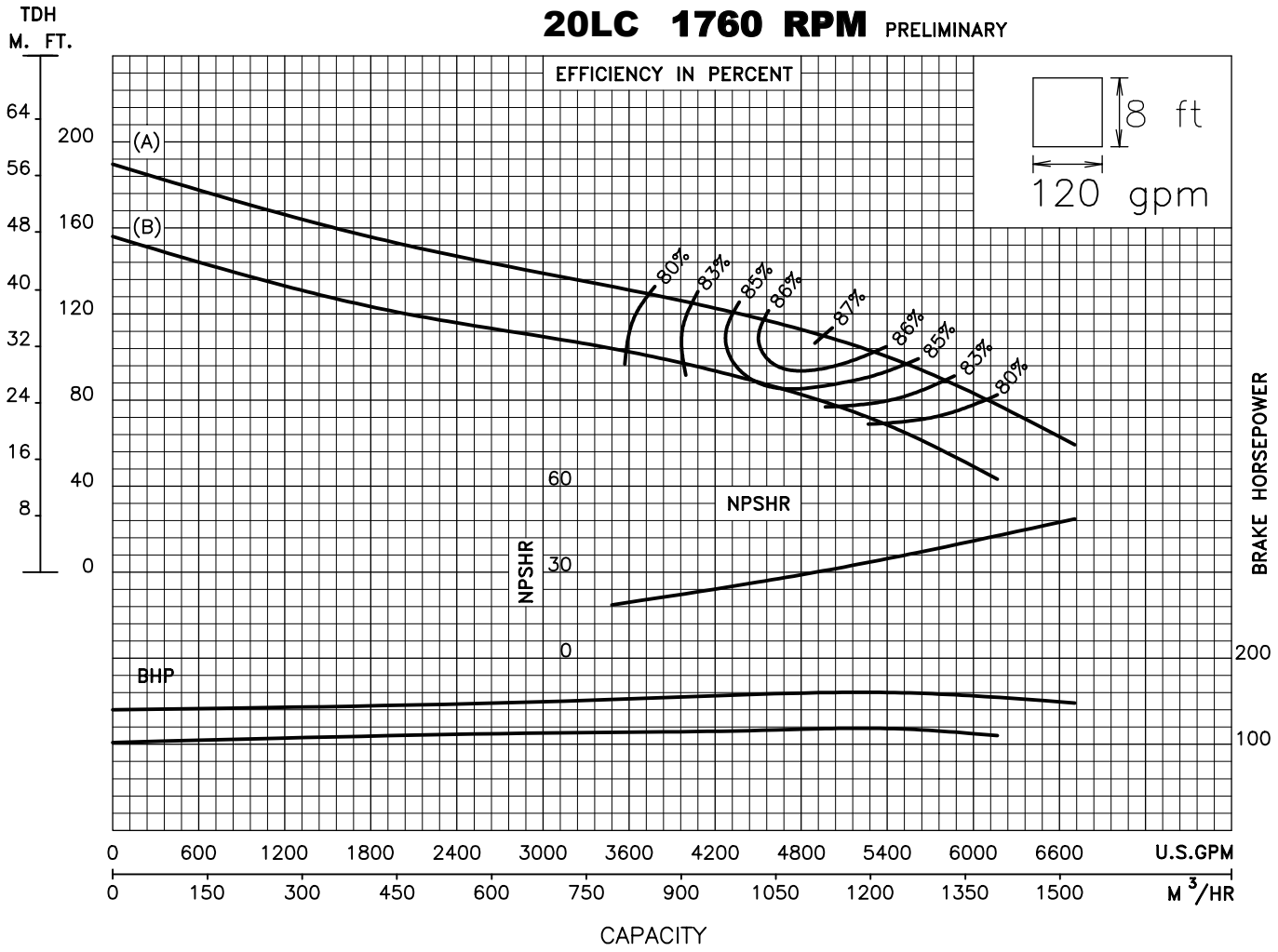
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

August 2002

20LC 1760 RPM PRELIMINARY



IMPELLER DATA			
Impeller Number	4838	TRIM: (A) 13.938" X 27°	
Material	BRONZE	(B) 12.625" X 27°	
Type	CLOSED		
Thrust Factor	K=29.4		
Eye Area	72.6 sq. in.		
Weight	69.0 lb.	Minimum submergence above eye of bottom impeller: 33 in.	

BOWL DATA		
Bowl Number	3969 C.I.	
Bowl Dia.	19.875"max 19.250"min	
Max. No. Stages	5	
One Stage Weight	790	lb
Add'l Stage Weight	569	lb
Std. Shaft Dia.	2 7/16	in
Std. Lateral	0.750	in
Discharge Size	14–16	in
Suction Bell Size	20.875	in
Max. Sphere Size	2.0	in
Max Operation P.S.I.	350	

EFFICIENCY CORRECTION					
Number of Bowls	1	2			
Change as follows	−2	0			

Change in efficiency may affect both head and horsepower.

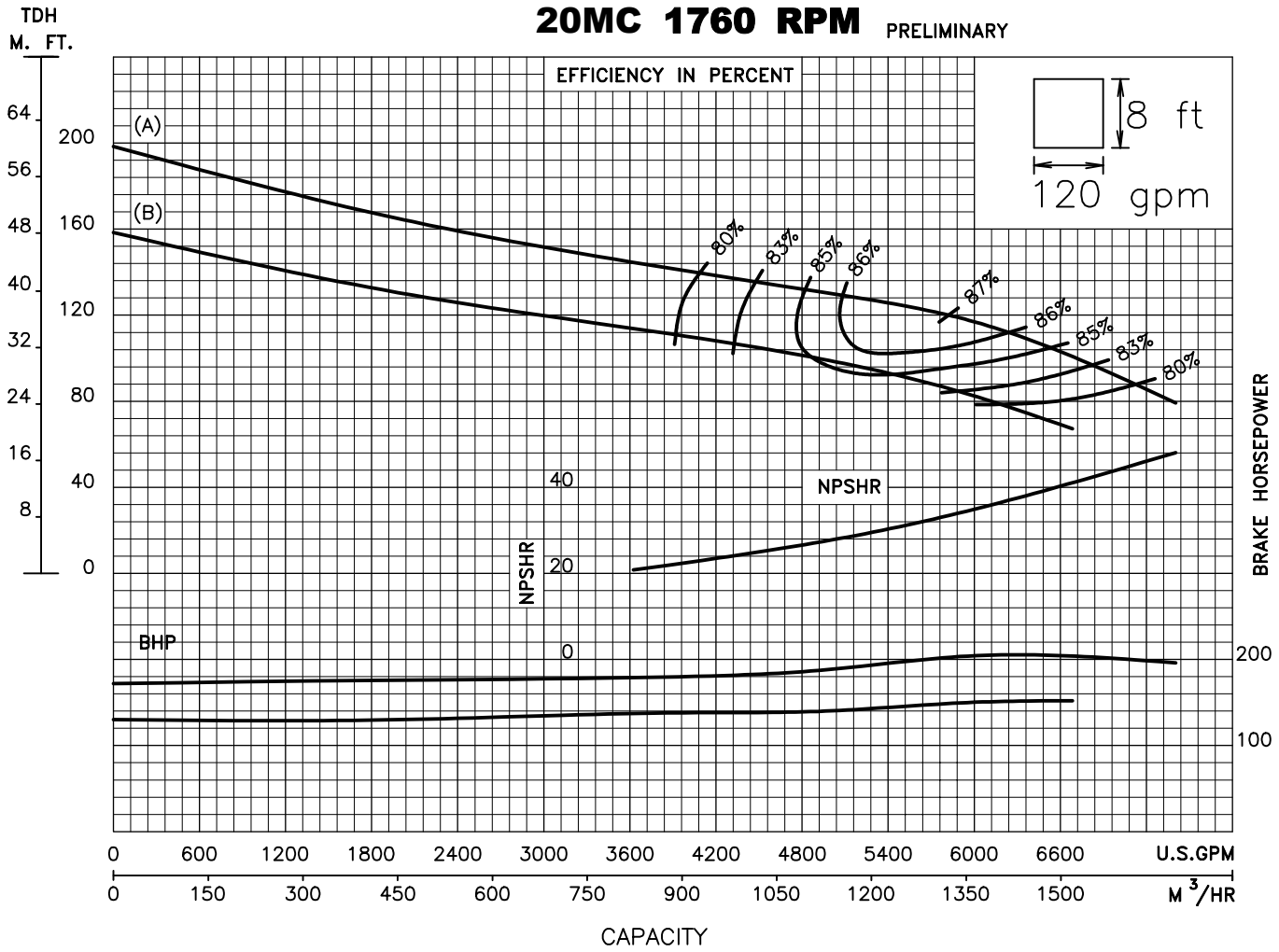
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

August 2002

20MC 1760 RPM PRELIMINARY



IMPELLER DATA			
Impeller Number	4847	TRIM: (A) 13.938" X 27°	
Material	BRONZE	(B) 12.625" X 27°	
Type	CLOSED		
Thrust Factor	K=29.4		
Eye Area	72.6 sq. in.	Minimum submergence above eye of bottom impeller: 33 in.	
Weight	69.0 lb.		

BOWL DATA		
Bowl Number	3969 C.I.	
Bowl Dia.	19.875"max 19.250"min	
Max. No. Stages	5	
One Stage Weight	790	lb
Add'l Stage Weight	569	lb
Std. Shaft Dia.	2 7/16	in
Std. Lateral	0.750	in
Discharge Size	14–16	in
Suction Bell Size	20.875	in
Max. Sphere Size	2.0	in
Max Operation P.S.I.	350	

EFFICIENCY CORRECTION					
Number of Bowls	1	2			
Change as follows	−2	0			

Change in efficiency may affect both head and horsepower.

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

AMERICAN-MARSH PUMPS

480 Series Vertical Turbine

1200 RPM Performance Curves
Enclosed & Semi-Open Impellers