AMERICAN-MARSH PUMPS

480 Series Vertical Turbine

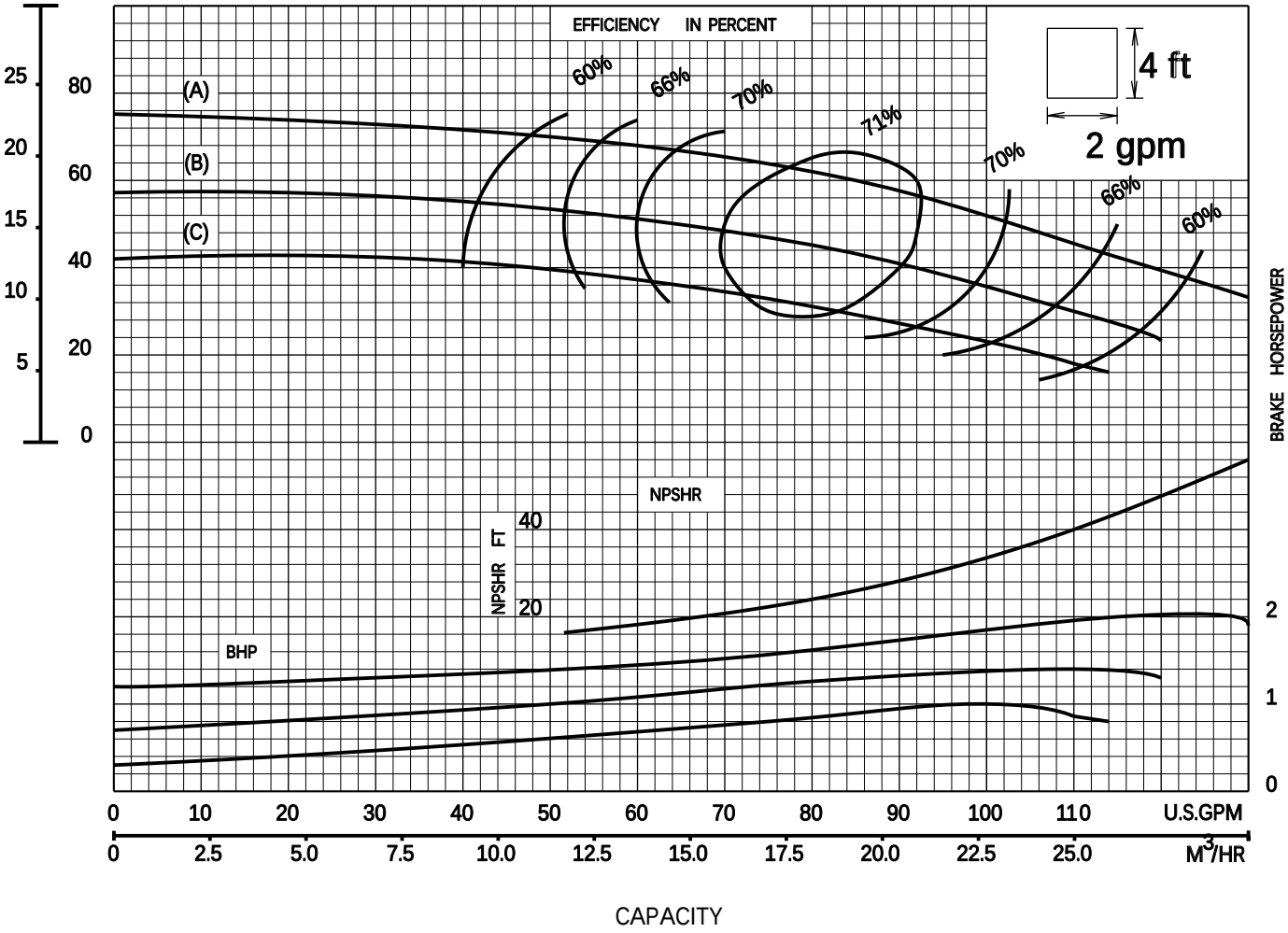
3600 RPM Performance Curves
Enclosed & Semi-Open Impellers

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

APRIL 2001

6JC 3450 RPM



IMPELLER DATA

Impeller Number	6404		
Material	BRONZE		
Type	CLOSED		
Thrust Factor	K=1.56		
Eye Area	2.41	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.

FLANGED BOWL DATA

Bowl Number	6515 C.I.	
Bowl Dia.	5.563"	
Max. No. Stages	60	
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)	

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.

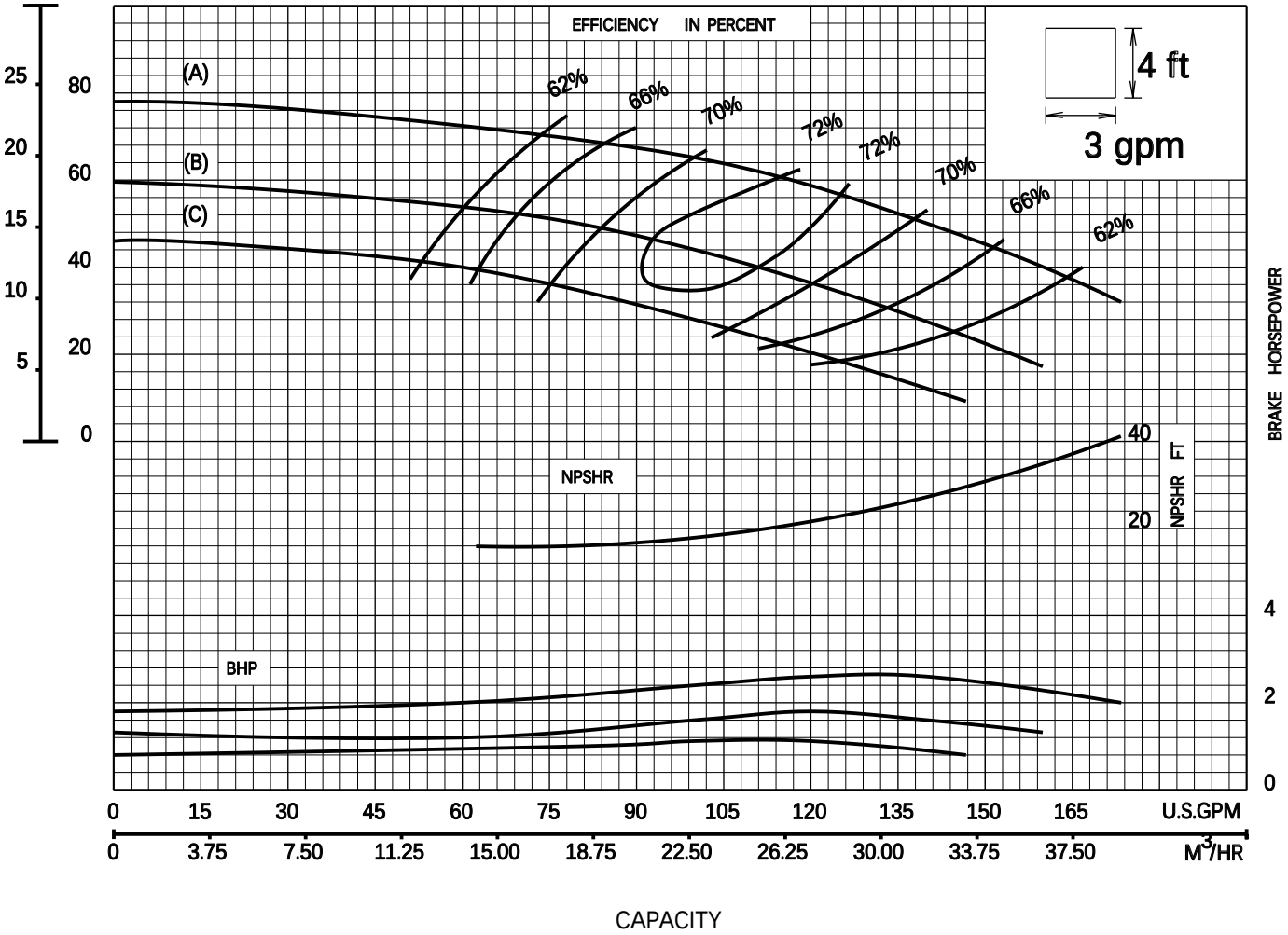
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

APRIL 2001

6LC 3450 RPM



IMPELLER DATA

Impeller Number	6505		
Material	BRONZE		
Type	CLOSED		
Thrust Factor	K=1.56		
Eye Area	2.41	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.

FLANGED BOWL DATA

Bowl Number	6515 C.I.	
Bowl Dia.	5.563"	
Max. No. Stages	51	
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)	

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.

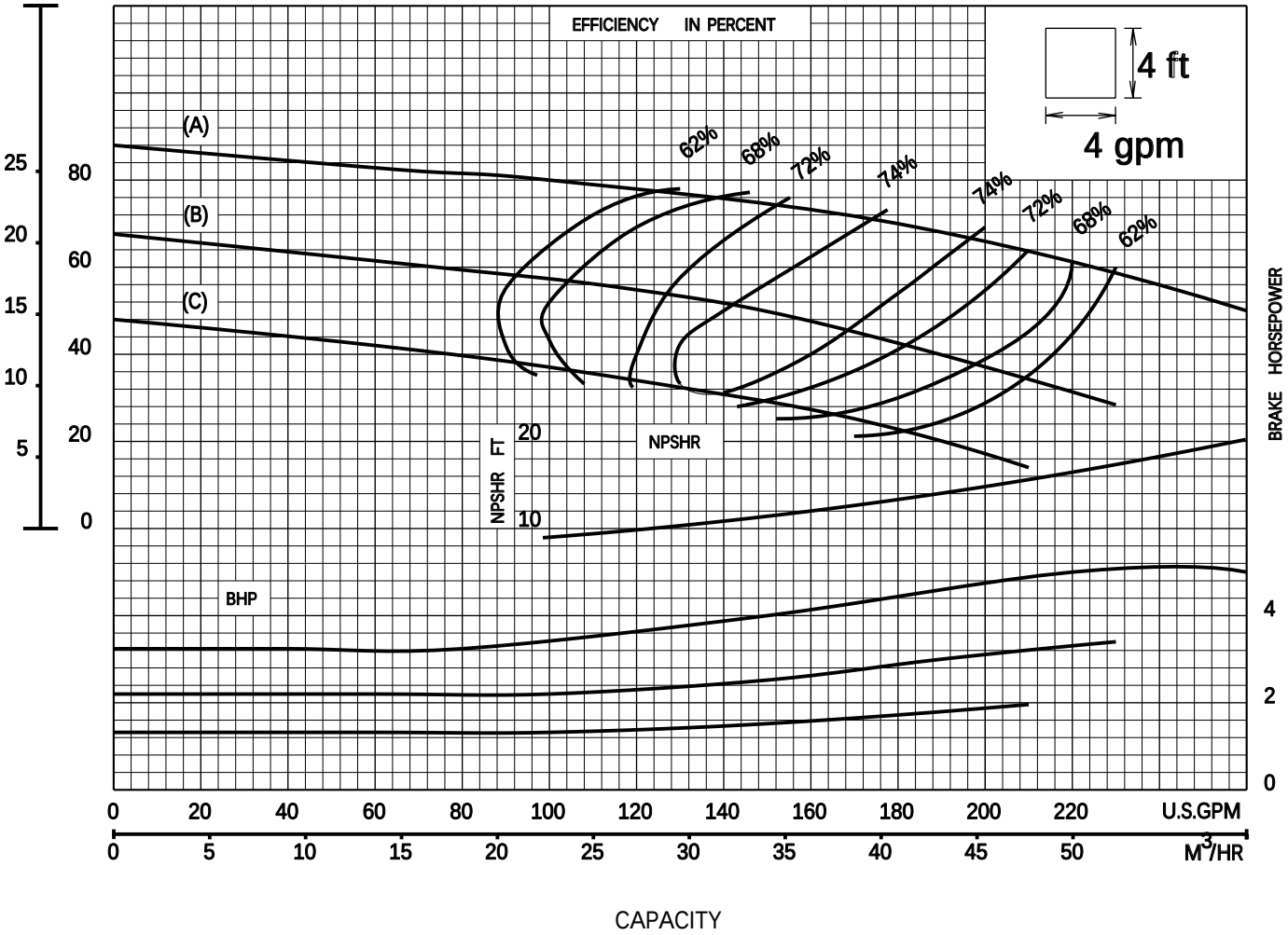
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

APRIL 2001

6MC 3450 RPM



IMPELLER DATA

Impeller Number	6707	TRIM: (A) 4.688" X 27	
Material	BRONZE	(B) 4.250" X 27	
Type	CLOSED	(C) 3.750" X 27	
Thrust Factor	K=2.24		
Eye Area	3.20 sq. in.	Minimum submergence above eye of bottom impeller:12 in.	
Weight	2.15 lb.		

FLANGED BOWL DATA

Bowl Number	6616 C.I./ENAM.	
Bowl Dia.	5.563"	
Max. No. Stages	26	
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.

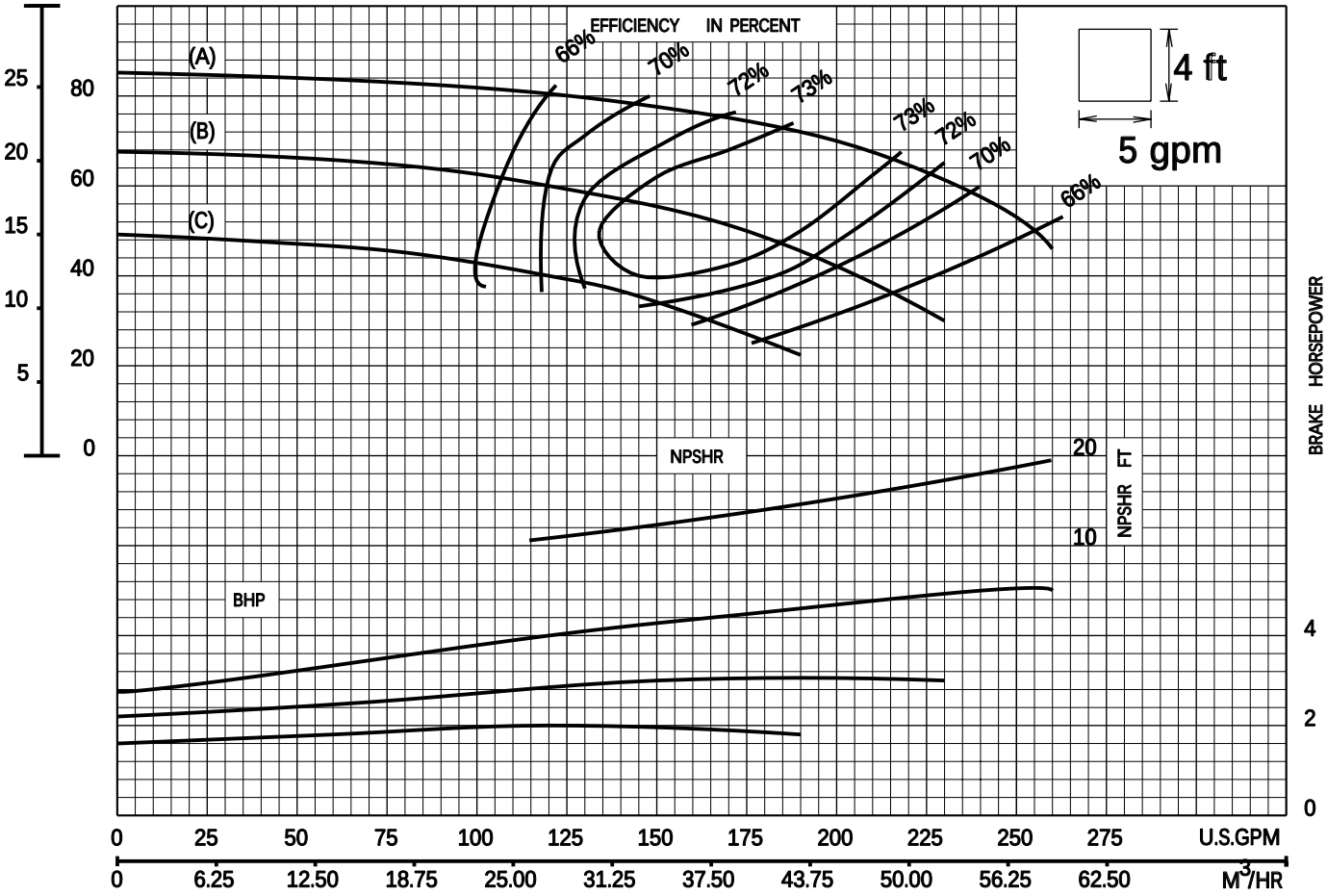
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

APRIL 2001

6HC 3450 RPM



CAPACITY

IMPELLER DATA

Impeller Number	6606	TRIM:	(A) 4.688" X 20
Material	BRONZE		(B) 4.250" X 20
Type	CLOSED		(C) 3.750" X 20
Thrust Factor	K=2.24		
Eye Area	3.65 sq. in.		
Weight	2.38 lb.		

Minimum submergence above eye of bottom impeller: 12 in.

FLANGED BOWL DATA

Bowl Number	6616 C.I./ENAM.	
Bowl Dia.	5.563"	
Max. No. Stages	26	
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.

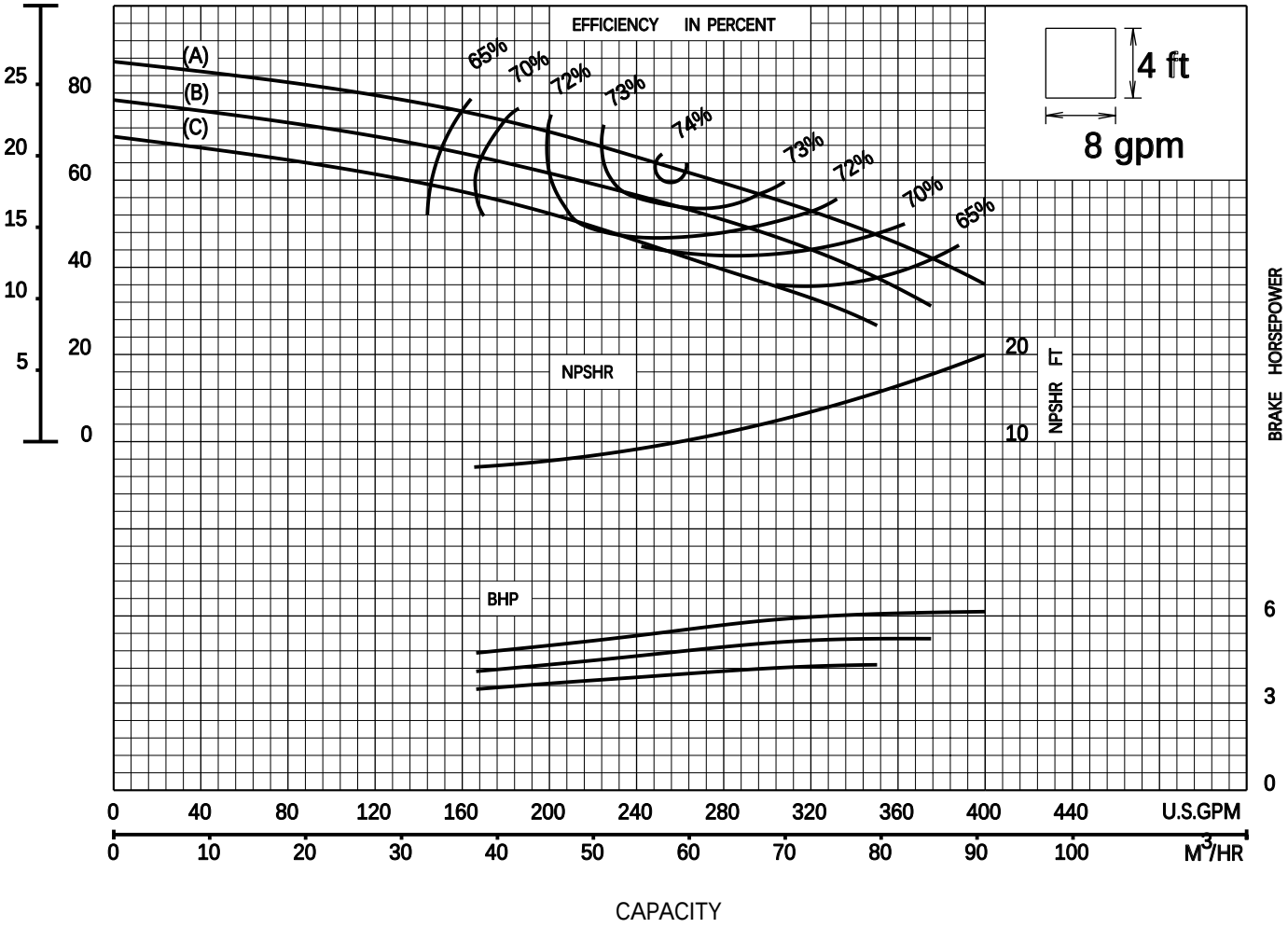
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

APRIL 2001

6XC 3450 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.

FLANGED BOWL DATA

Bowl Number	6919 C.I./ENAM.	
Bowl Dia.	5.563"	
Max. No. Stages	21	
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)	

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.

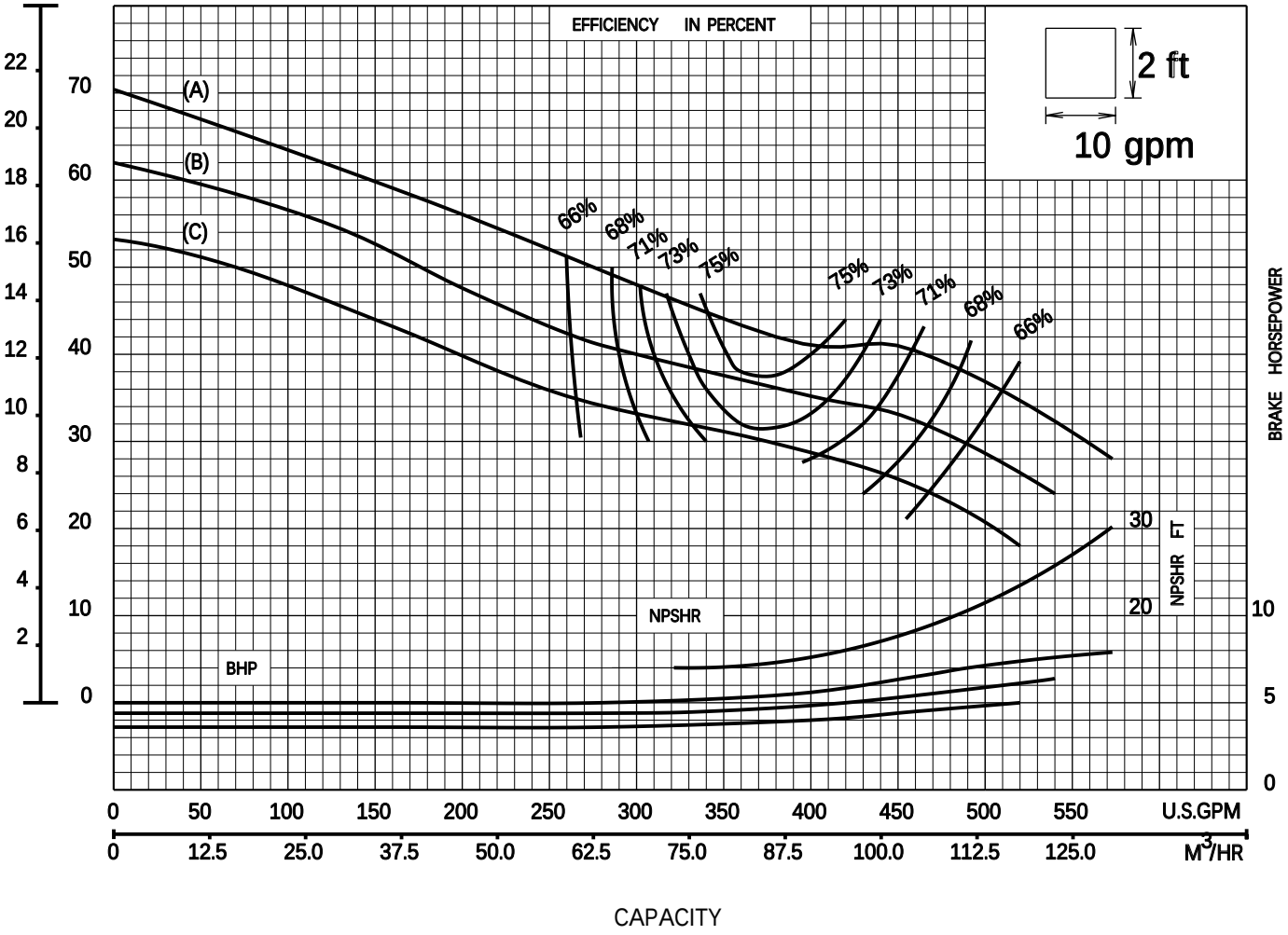
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

APRIL 2001

6WC 3450 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:20 in.

FLANGED BOWL DATA

Bowl Number	6818 C.I./ENAM.	
Bowl Dia.	5.563"	
Max. No. Stages	16	
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)	

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.

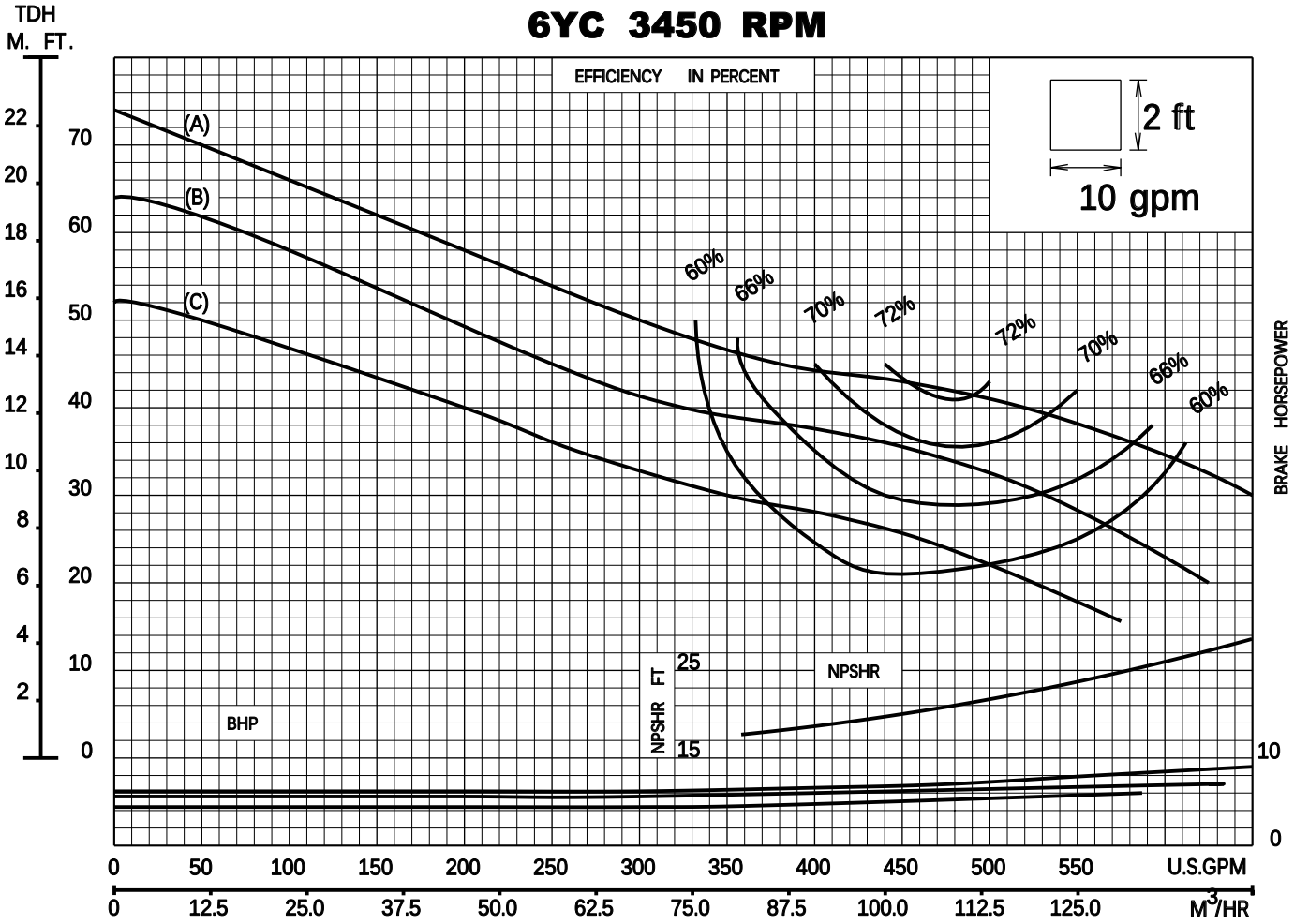
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

APRIL 2001

6YC 3450 RPM



IMPELLER DATA

Impeller Number	6414	TRIM:	(A) 4.688" X 30
Material	BRONZE		(B) 4.500" X 30
Type	CLOSED		(C) 4.313" X 30
Thrust Factor	K=4.10		
Eye Area	7.51 sq. in.		
Weight	2.35 lb.		

Minimum submergence above eye of bottom impeller: 20 in.

FLANGED BOWL DATA

Bowl Number	6818 C.I./ENAM.	
Bowl Dia.	5.563"	
Max. No. Stages	14	
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)	

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.

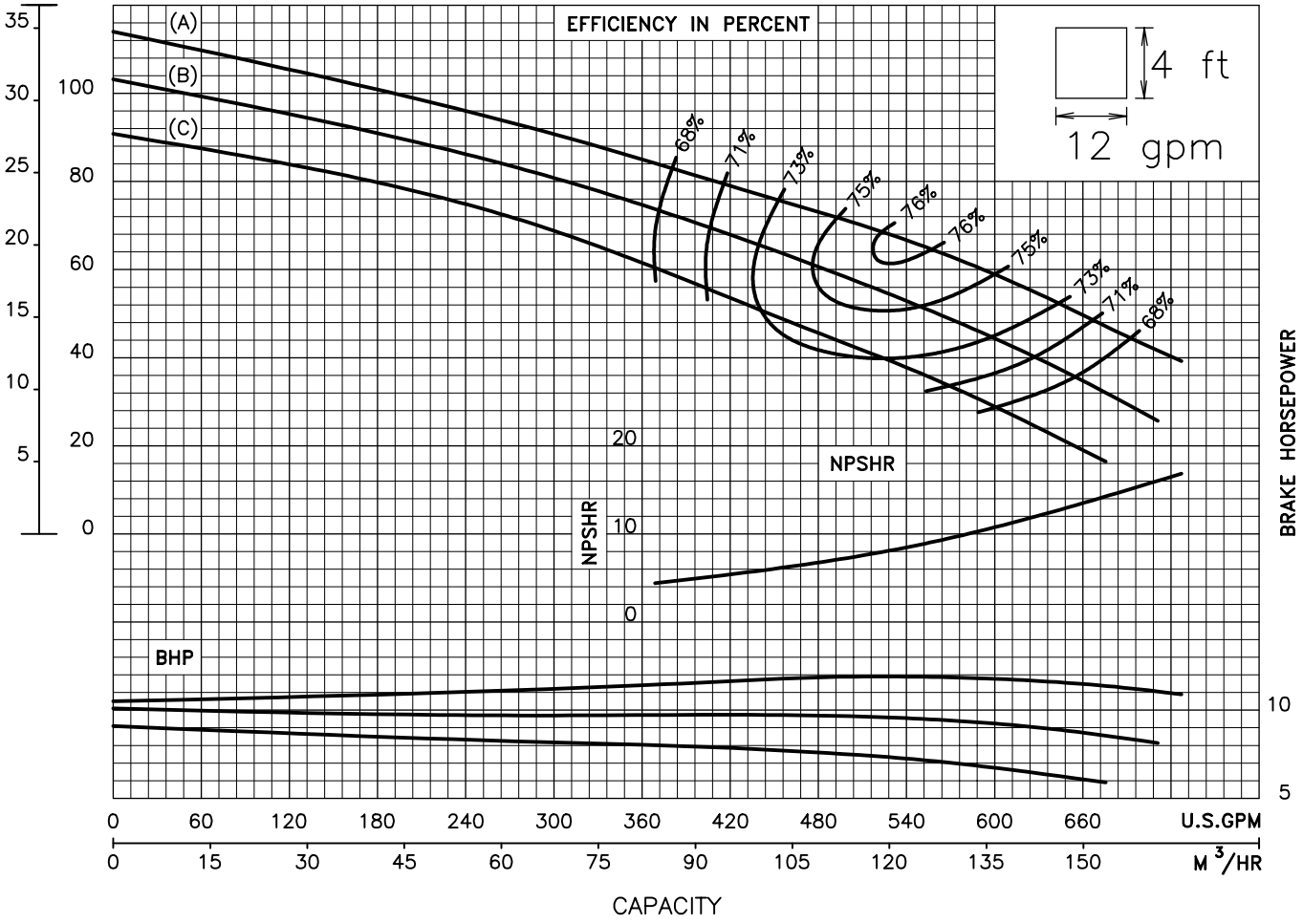
AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

FEBRUARY 2002

7MC 3450 RPM

PRELIMINARY



IMPELLER DATA			BOWL DATA		
Impeller Number	7647	TRIM: (A) 5.688" x 18°	Bowl Number	6947 C.I./ENAM.	
Material	BRONZE	(B) 5.375" x 18°	Bowl Dia.	7.313"max 7.125"min	
Type	CLOSED	(C) 5.125" x 18°	Max. No. Stages	15	
Thrust Factor	K= 4.5		One Stage Weight	102	lb
Eye Area	11.32 sq. in.	Minimum submergence above eye of bottom impeller: 18 in.	Add'l Stage Weight	37	lb
Weight	5.0 lb.		Std. Shaft Dia.	1.188	in
			Std. Lateral	0.625	in
			Discharge Size	5–6	in
			Suction Size	5–6	in
			Max. Sphere Size	0.750	in
			Max Operation P.S.I.	692 (special)	

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

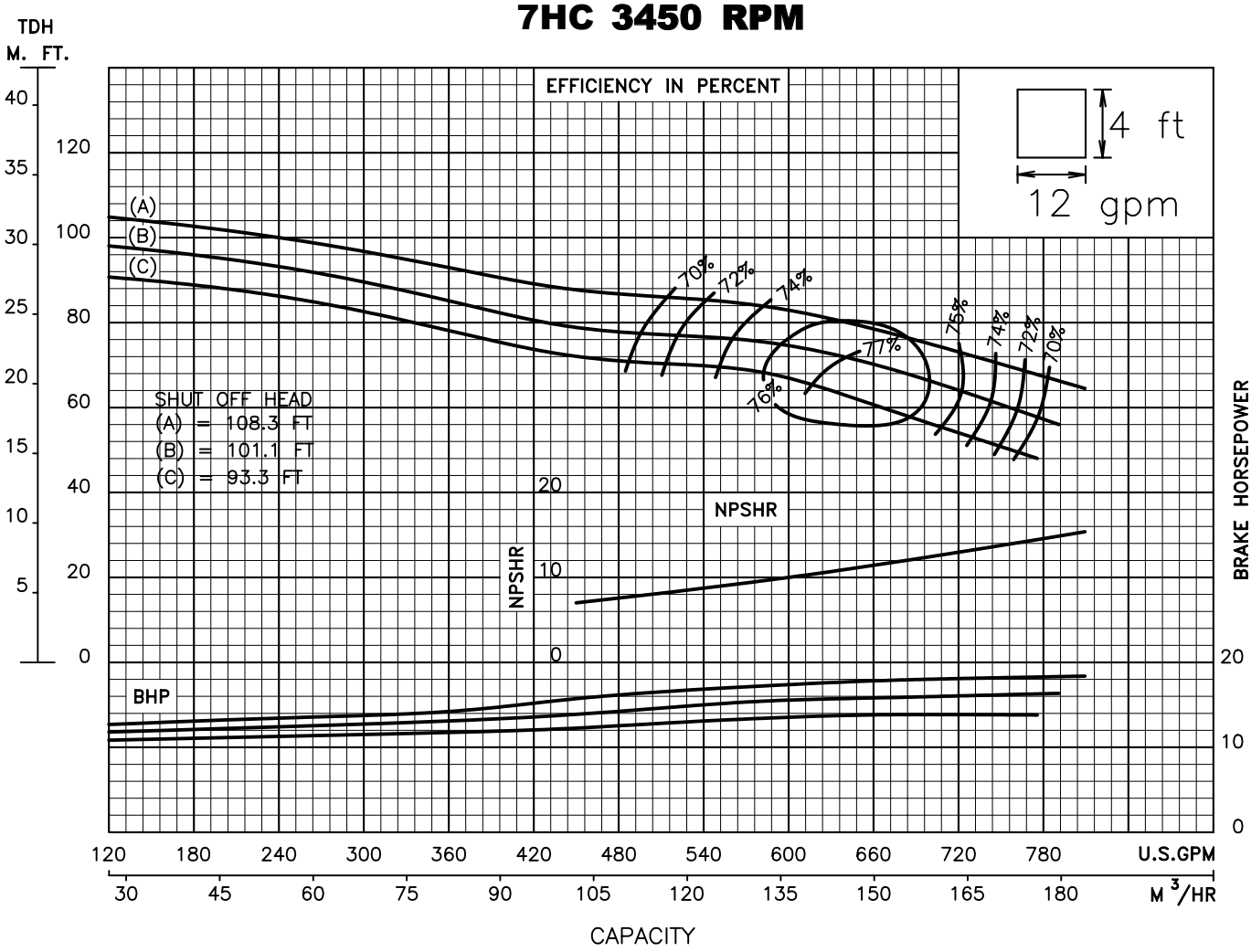
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

June 2004

7HC 3450 RPM



IMPELLER DATA			BOWL DATA		
Impeller Number	7656	TRIM: (A) 5.688" x 18°	Bowl Number	6947 C.I./ENAM.	
Material	BRONZE	(B) 5.563" x 18°	Bowl Dia.	7.313"max 7.125"min	
Type	CLOSED	(C) 5.375" x 18°	Max. No. Stages	13	
Thrust Factor	K= 4.56		One Stage Weight	102	lb
Eye Area	11.32 sq. in.	Minimum submergence above eye of bottom impeller: 18 in.	Add'l Stage Weight	37	lb
Weight	5.25 lb.		Std. Shaft Dia.	1.188	in
			Std. Lateral	0.625	in
			Discharge Size	5–6	in
			Suction Size	5–6	in
			Max. Sphere Size	0.750	in
			Max Operation P.S.I.	692 (special)	

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

Change in efficiency may affect both head and horsepower.

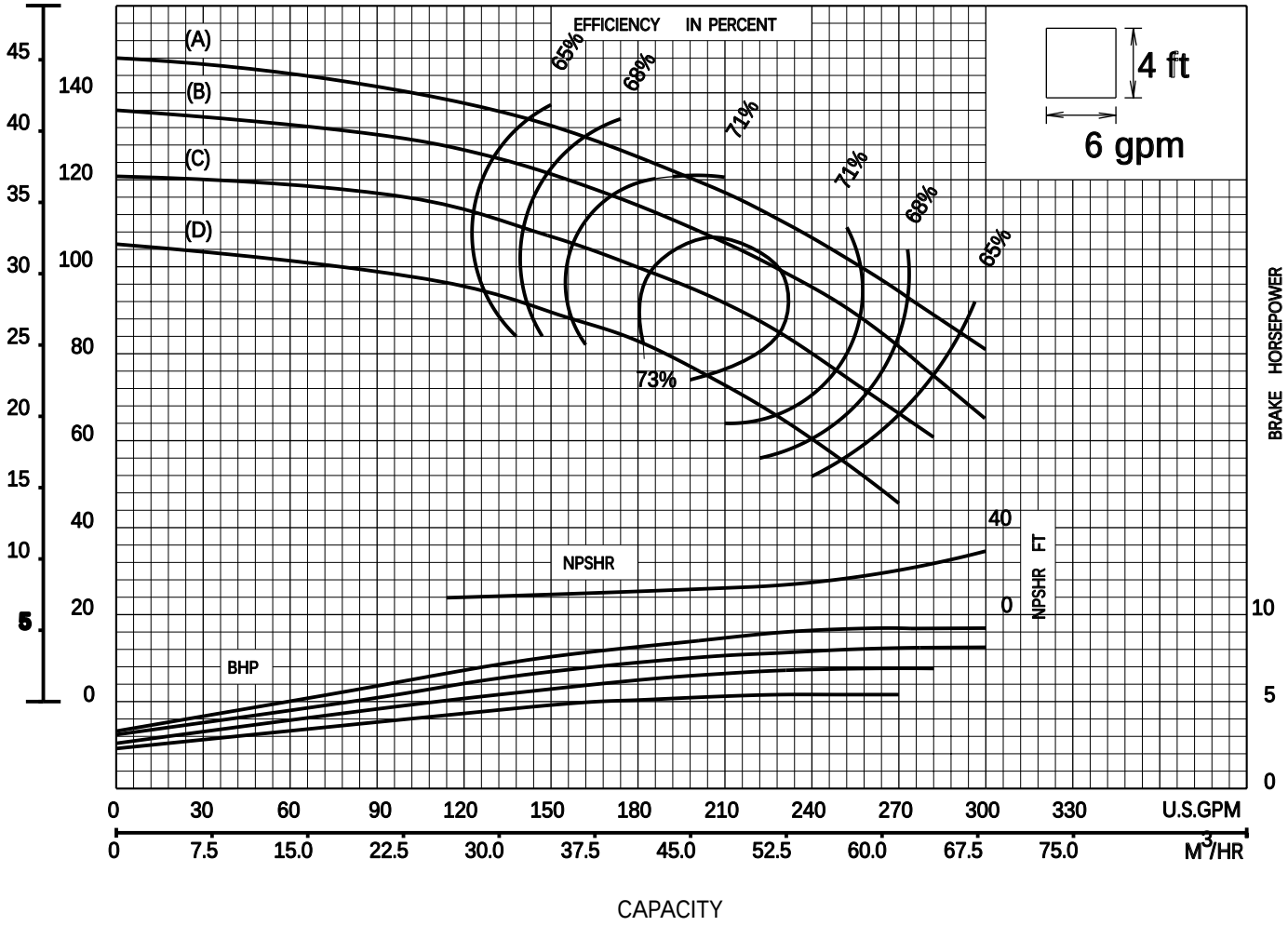
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

FEBRUAR Y 1995

8JC 3450 RPM



IMPELLER DATA

Impeller Number	3628	TRIM:	(A) 6.313" X 0
Material	BRONZE		(B) 6.000" X 0
Type	CLOSED		(C) 5.625" X 0
Thrust Factor	k=2.98		(D) 5.250" X 0
Eye Area	3.65 sq. in.		
Weight	5.75 lb.		

Minimum submergence above eye of bottom impeller:18 in.

BOWL DATA

Bowl Number	3629 C.I./ENAM.	
Bowl Dia.	7.813"max 7.500"min	
Max. No. Stages	15	
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	-4	-2	0		

Change in efficiency may affect both head and horsepower.

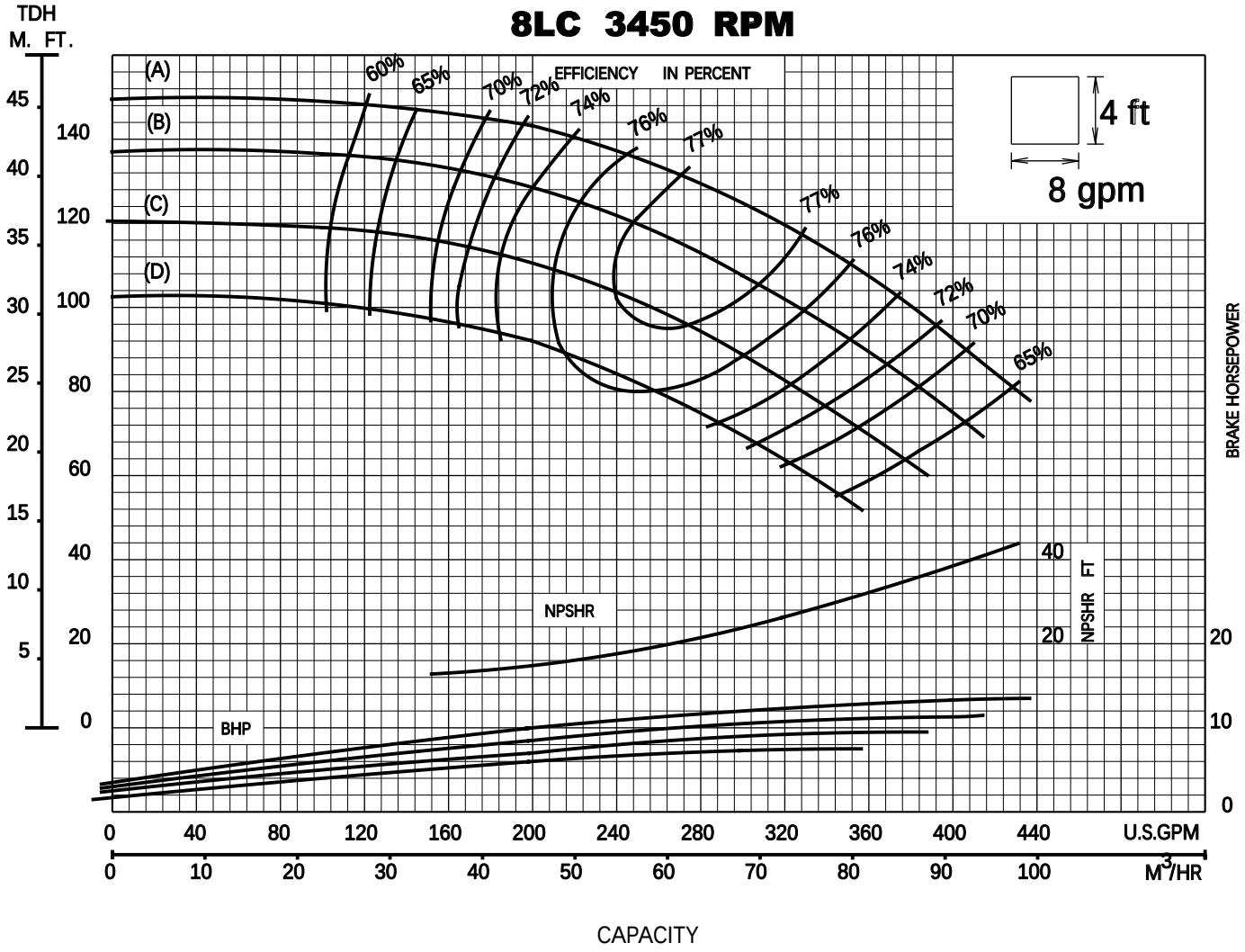
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JANUAR Y 1995

8LC 3450 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°

Minimum submergence above eye of bottom impeller 18 in.

BOWL DATA

Bowl Number	3629 C.I./ENAM.	
Bowl Dia.	7.813"max 7.500"min	
Max. No. Stages	12	
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	-4	-2	0		

Change in efficiency may affect both head and horsepower.

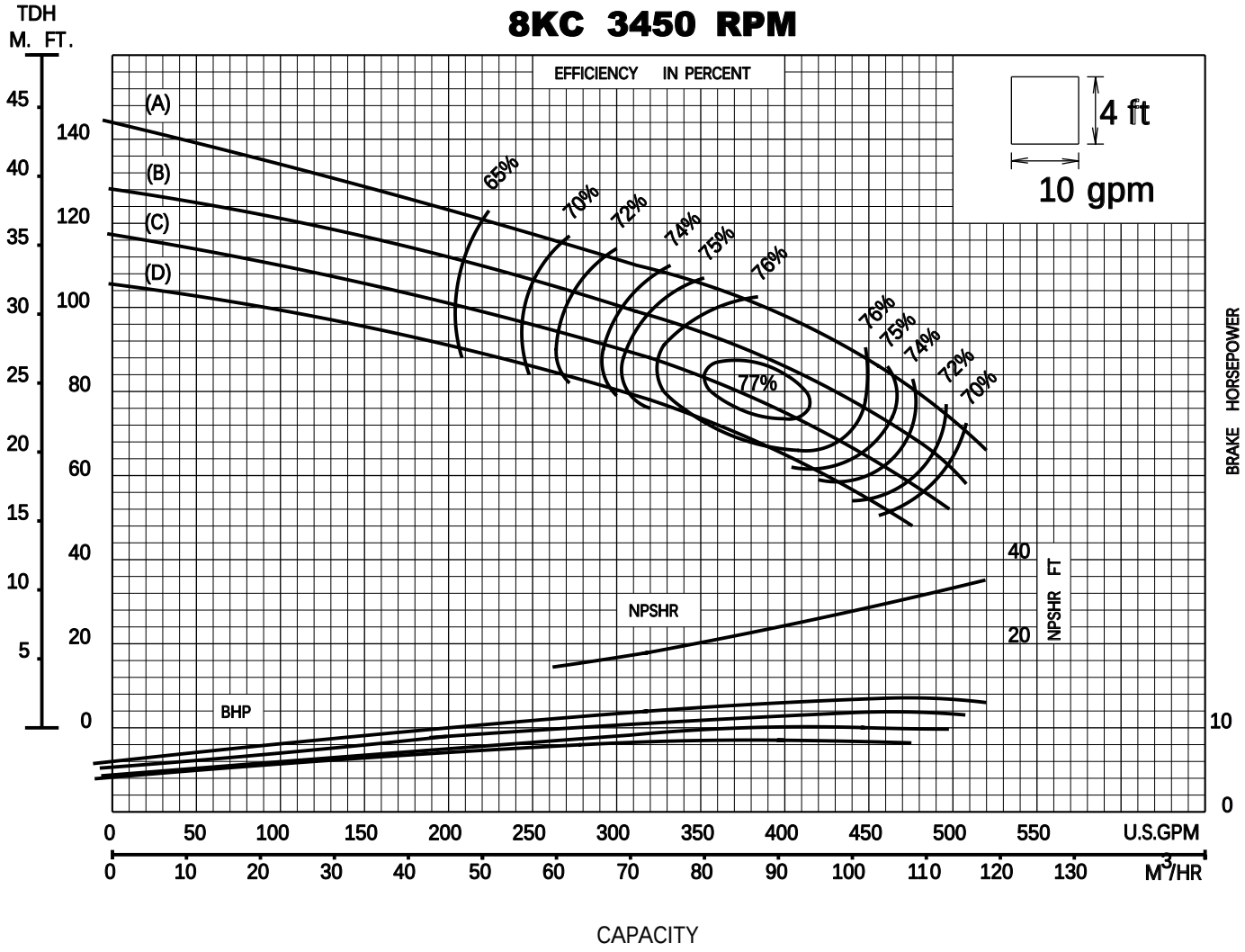
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JANUARY 1995

8KC 3450 RPM



IMPELLER DATA

Impeller Number	3680	TRIM:	(A) 6.313" X 18°
Material	BRONZE		(B) 6.000" X 18°
Type	CLOSED		(C) 5.750" X 18°
Thrust Factor	K=3.93		(D) 5.500" X 18°
Eye Area	5.72 sq. in.		
Weight	5.50 lb.		

Minimum submergence above eye of bottom impeller:18 in.

BOWL DATA

Bowl Number	3591 C.I./ENAM.	
Bowl Dia.	7.938"max 7.500"min	
Max. No. Stages	10	
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		
Change as follows	-4	-2	0		

Change in efficiency may affect both head and horsepower.

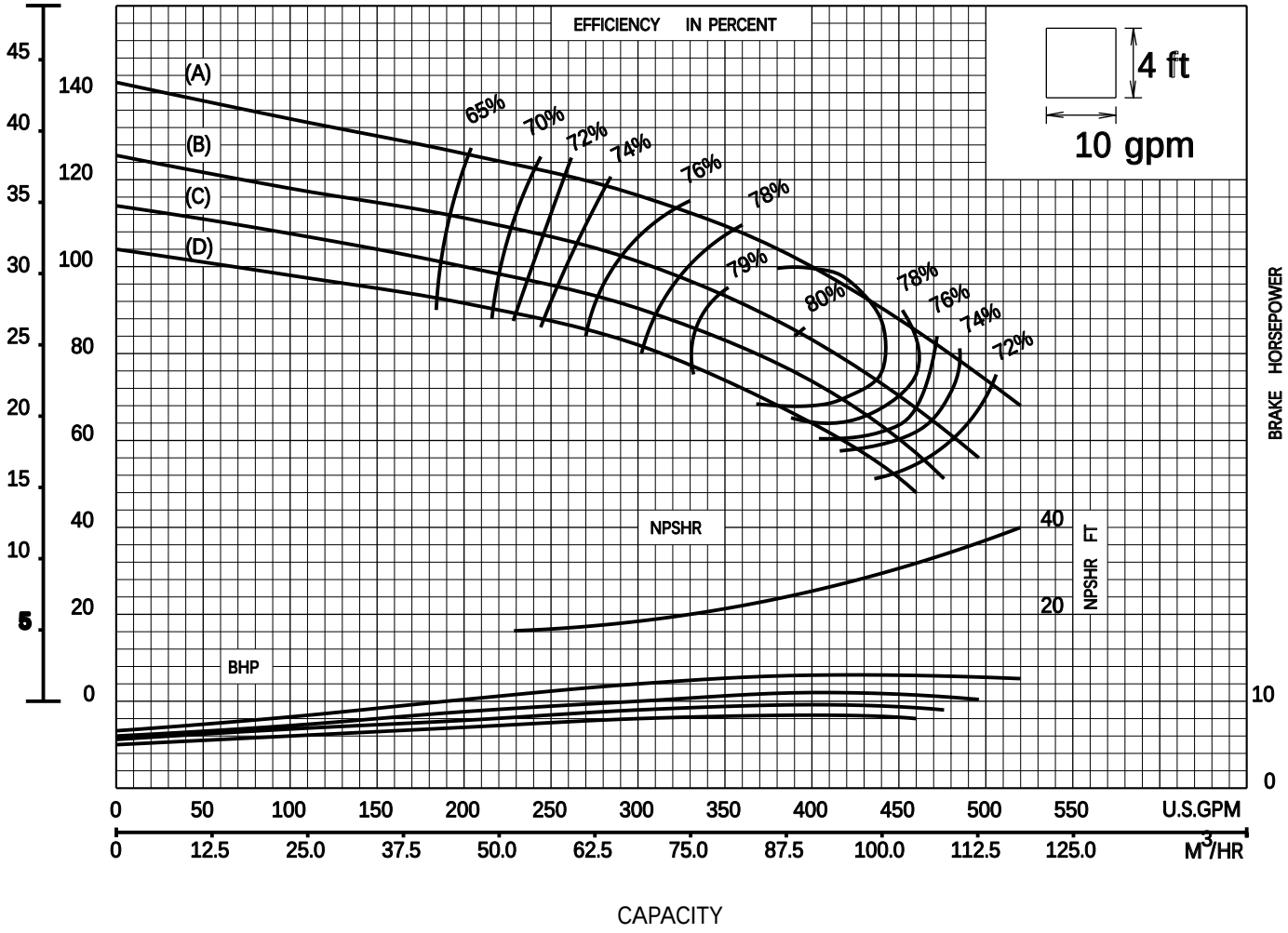
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

FEBRUAR Y 1995

8KS 3450 RPM



IMPELLER DATA

Impeller Number	3693	TRIM: (A)	6.313" X 18
Material	BRONZE	(B)	6.000" X 18
Type	SEMI-OPEN	(C)	5.750" X 18
Thrust Factor	K=4.42	(D)	5.500" X 18
Eye Area	6.60 sq. in.		
Weight	3.75 lb.		

Minimum submergence above eye of top impeller:20 in.

BOWL DATA

Bowl Number	3591-S,C.I./ENAM.	
Bowl Dia.	7.938"max 7.500"min	
Max. No. Stages	10	
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		
Change as follows	-4	-2	0		

Change in efficiency may affect both head and horsepower.

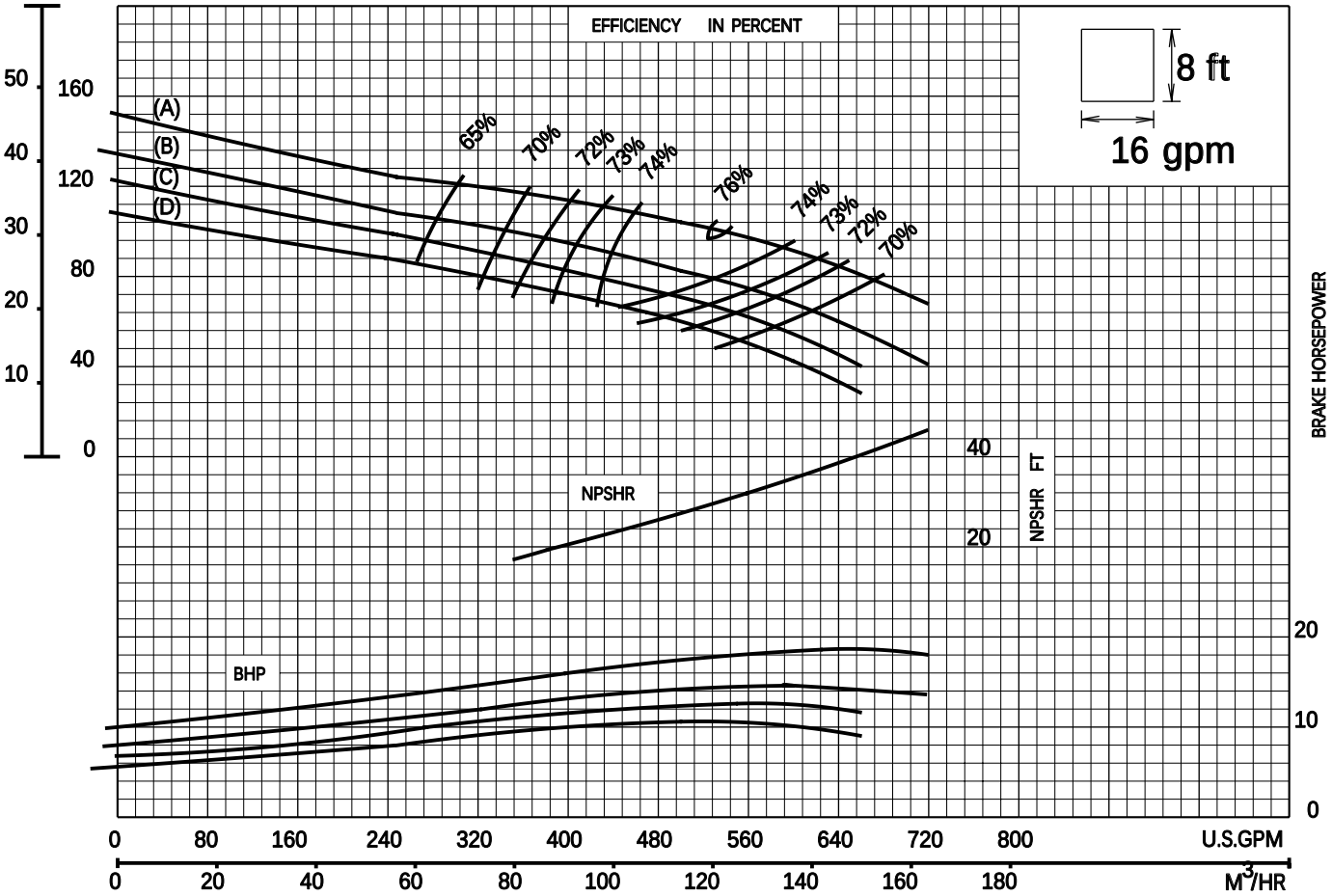
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JANUAR Y 1995

8MC 3450 RPM



IMPELLER DATA

Impeller Number	3589	TRIM:	(A) 6.313" X 27.5°
Material	BRONZE		(B) 6.000" X 27.5°
Type	CLOSED		(C) 5.750" X 27.5°
Thrust Factor	K=3.93		(D) 5.500" X 27.5°
Eye Area	6.50 sq. in.		Minimum submergence above eye of bottom impeller22 in.
Weight	5.00 lb.		

BOWL DATA

Bowl Number	3591 C.I./ENAM.	
Bowl Dia.	7.938"max 7.500"min	
Max. No. Stages	8	
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	
Change as follows	-4	-2	-1	0	

Change in efficiency may affect both head and horsepower.

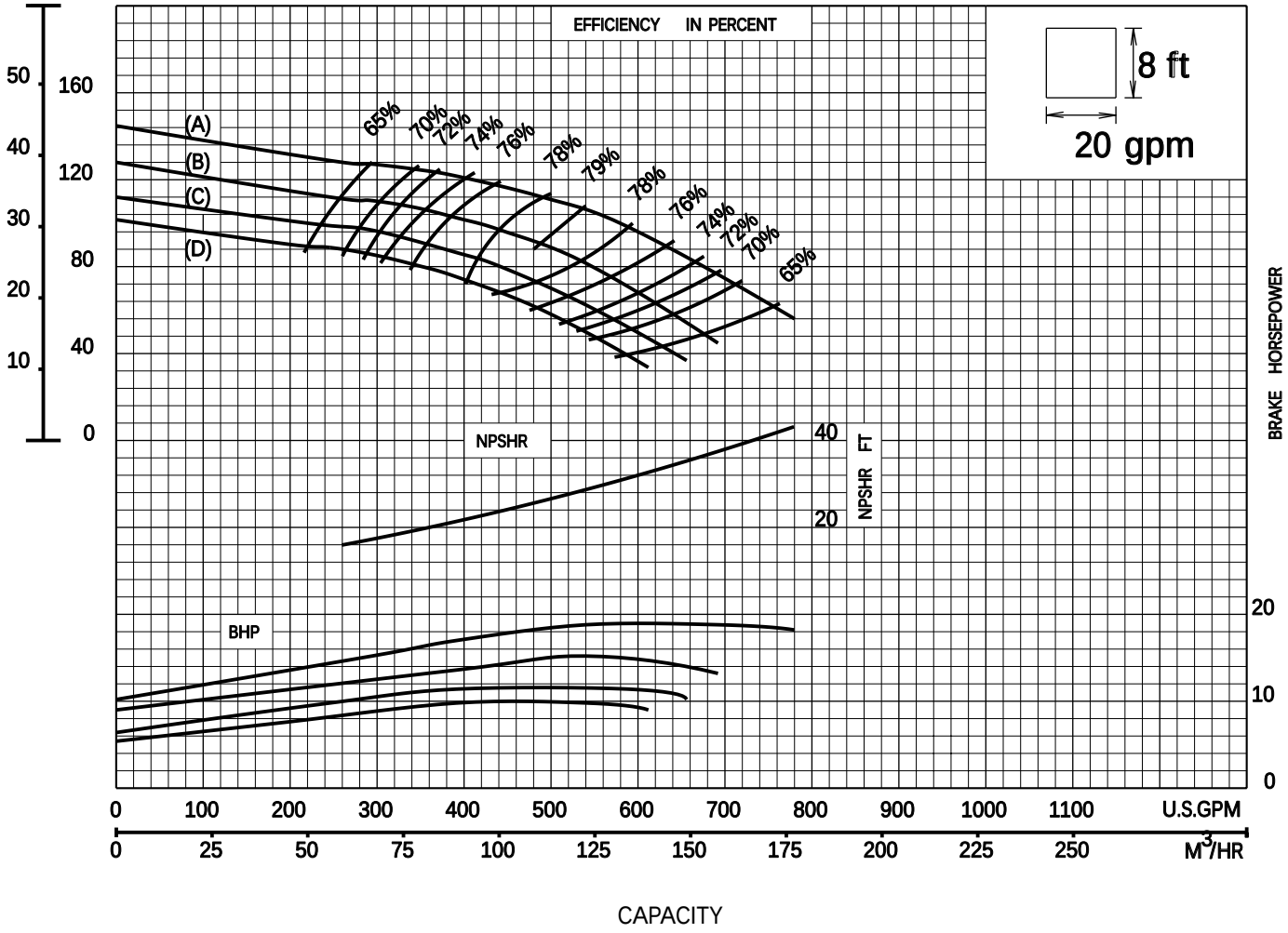
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

FEBRUAR Y 1995

8MS 3450 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:24 in.

BOWL DATA

Bowl Number	3591-S,C.I./ENAM.	
Bowl Dia.	7.938" max 7.500" min	
Max. No. Stages	7	
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.

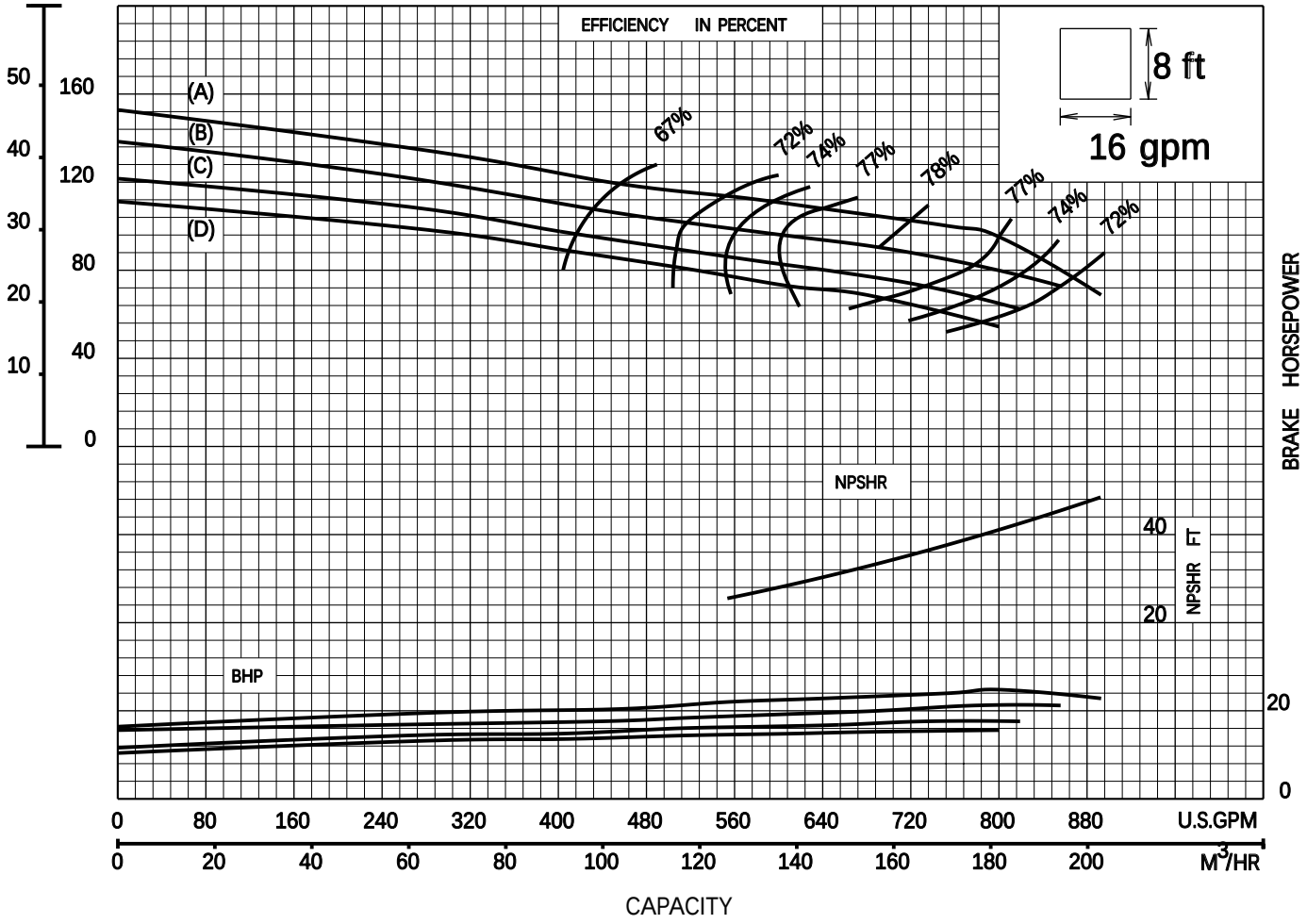
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

MAY 1995

8EHC 3450 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
(D) 5.500" X 29.5

Minimum submergence above eye of bottom impeller: 22 in.

BOWL DATA

Bowl Number	2883 C.I./ENAM.	
Bowl Dia.	7.938" max 7.500" min	
Max. No. Stages	5	
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.

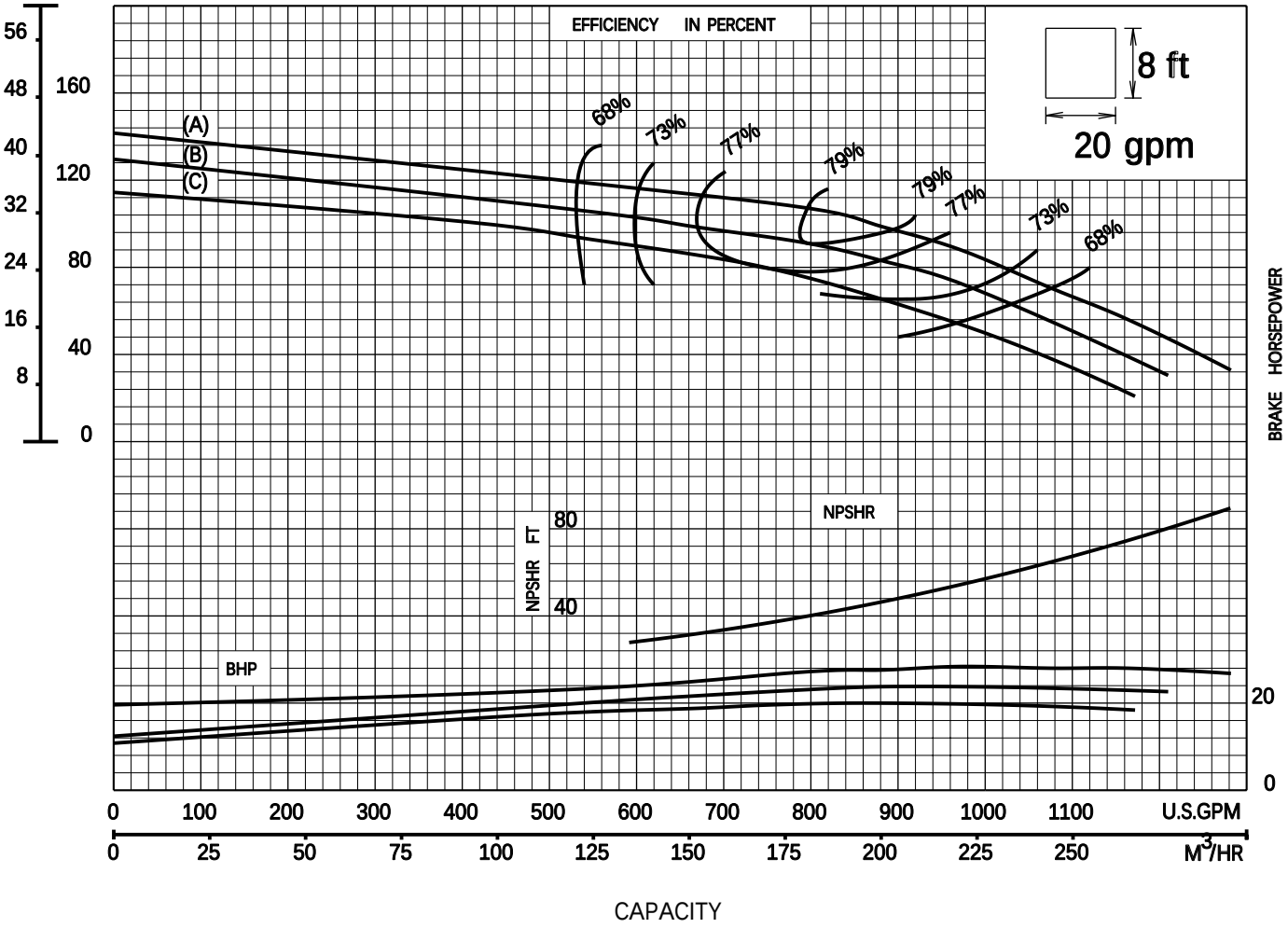
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

MAY 1995

8EHS 3450 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: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	2883 C.I./ENAM.	
Bowl Dia.	7.938"max 7.500"min	
Max. No. Stages	4	
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)	

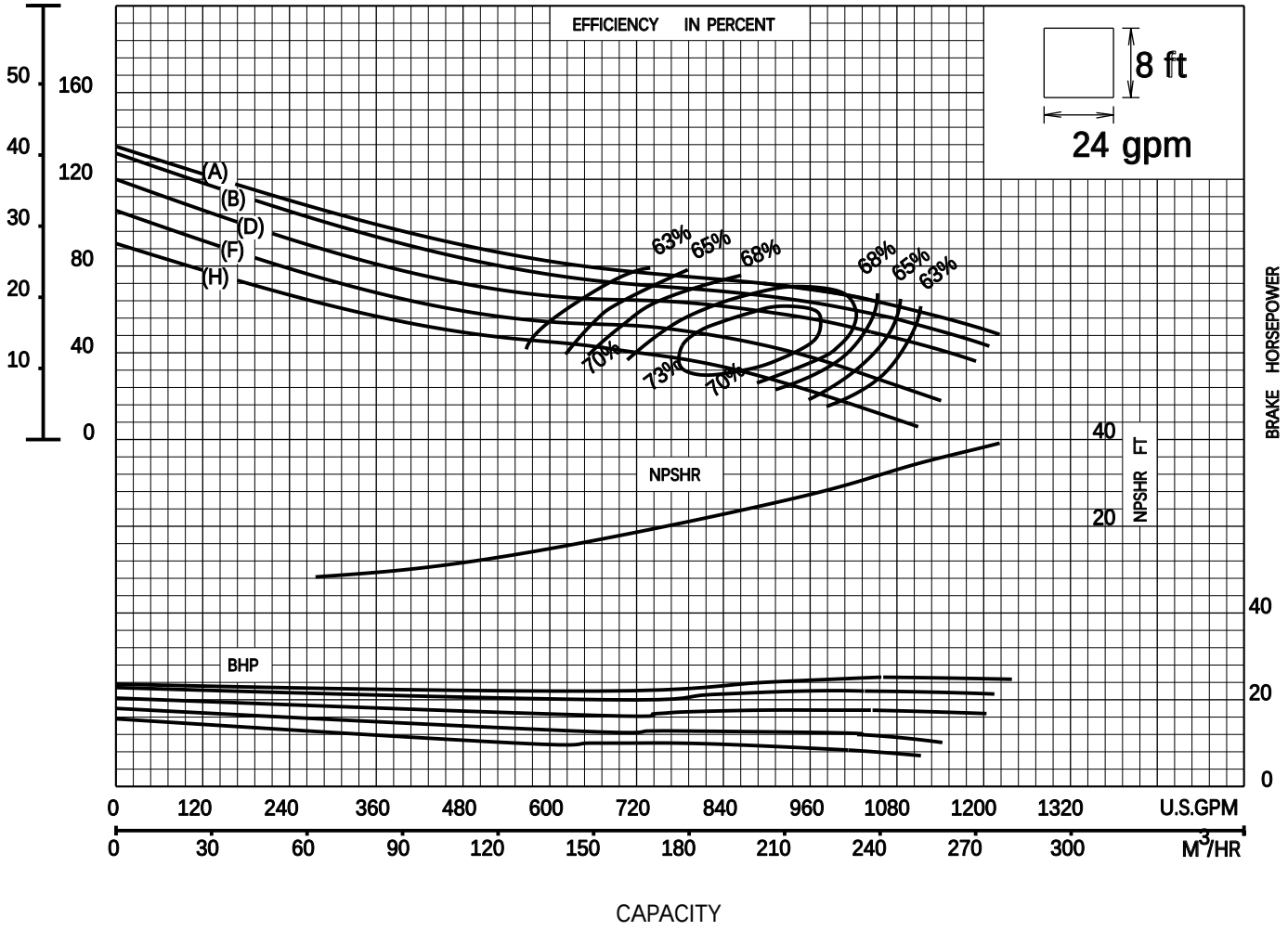
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JANUAR Y 2001

8YC 3450 RPM



IMPELLER DATA

Impeller Number	5502	TRIM:	(A) 6.365" X 37°
Material	BRONZE		(B) 6.250" X 37°
Type	CLOSED		(D) 6.000" X 37°
Thrust Factor	K=8.00		(F) 5.750" X 37°
Eye Area	15.90 sq. in.		(H) 5.500" X 37°
Weight	5.25 lb.	Minimum submergence above eye of bottom impeller:28 in.	

BOWL DATA

Bowl Number	5503 C.I./ENAM.	
Bowl Dia.	7.938"max 7.500"min	
Max. No. Stages	9	
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)	

EFFICIENCY CORRECTION

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

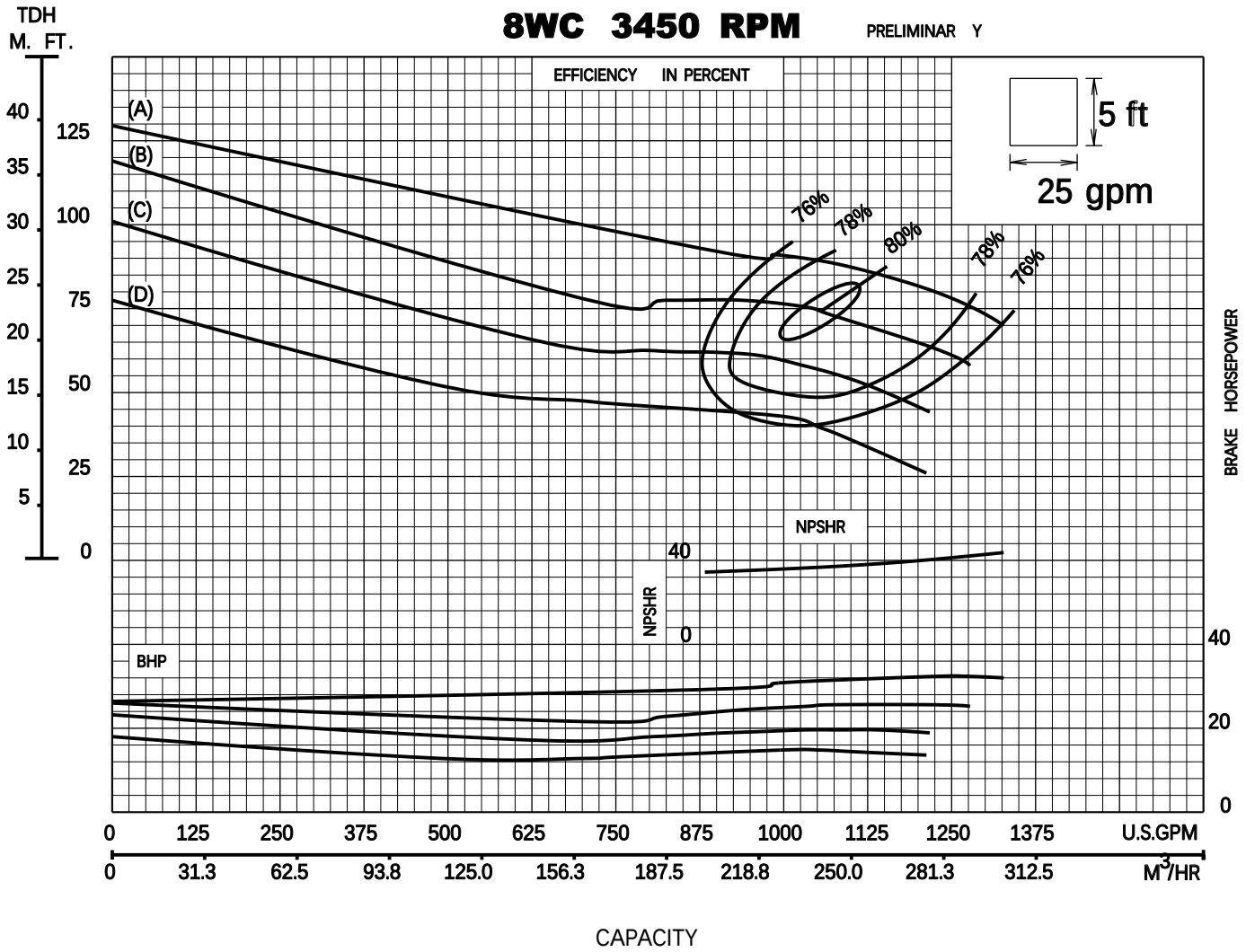
Change in efficiency may affect both head and horsepower.

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 1999



IMPELLER DATA

Impeller Number	3050	TRIM:	(A) 6.313" X 27°
Material	BRONZE		(B) 6.000" X 27°
Type	CLOSED		(C) 5.688" X 27°
Thrust Factor	K= 6.20		(D) 5.375" X 27°
Eye Area	17.20 sq. in.		
Weight	6.50 lb.		

Minimum submergence above eye of bottom 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.

THREADED BOWL DATA

Bowl Number	3169 C.I./ENAM.	
Bowl Dia.	7.750"max 7.625"min	
Max. No. Stages	7	
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)	

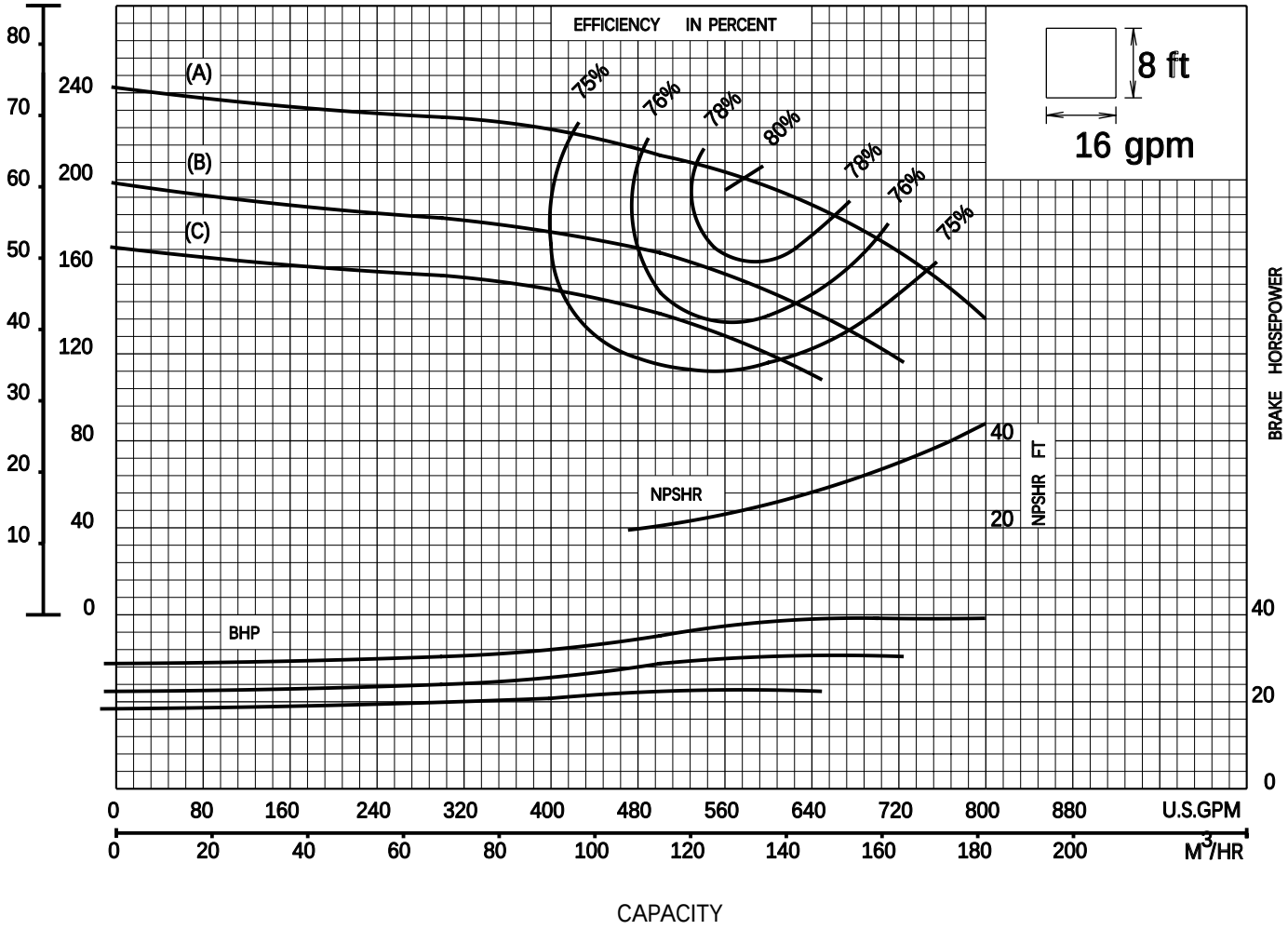
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JUL Y 1997

10JC 3450 RPM



IMPELLER DATA

Impeller Number	3094	TRIM: (A) 7.725" X 25.5°	
Material	BRONZE	(B) 7.203" X 25.5°	
Type	CLOSED	(C) 6.797" X 25.5°	
Thrust Factor	K=3.98		
Eye Area	7.89 sq. in.	Minimum submergence above eye of bottom impeller 32 in.	
Weight	9.25 lb.		

BOWL DATA

Bowl Number	3096 C.I./ENAM.	
Bowl Dia.	9.875"max 9.500"min	
Max. No. Stages	13	
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.

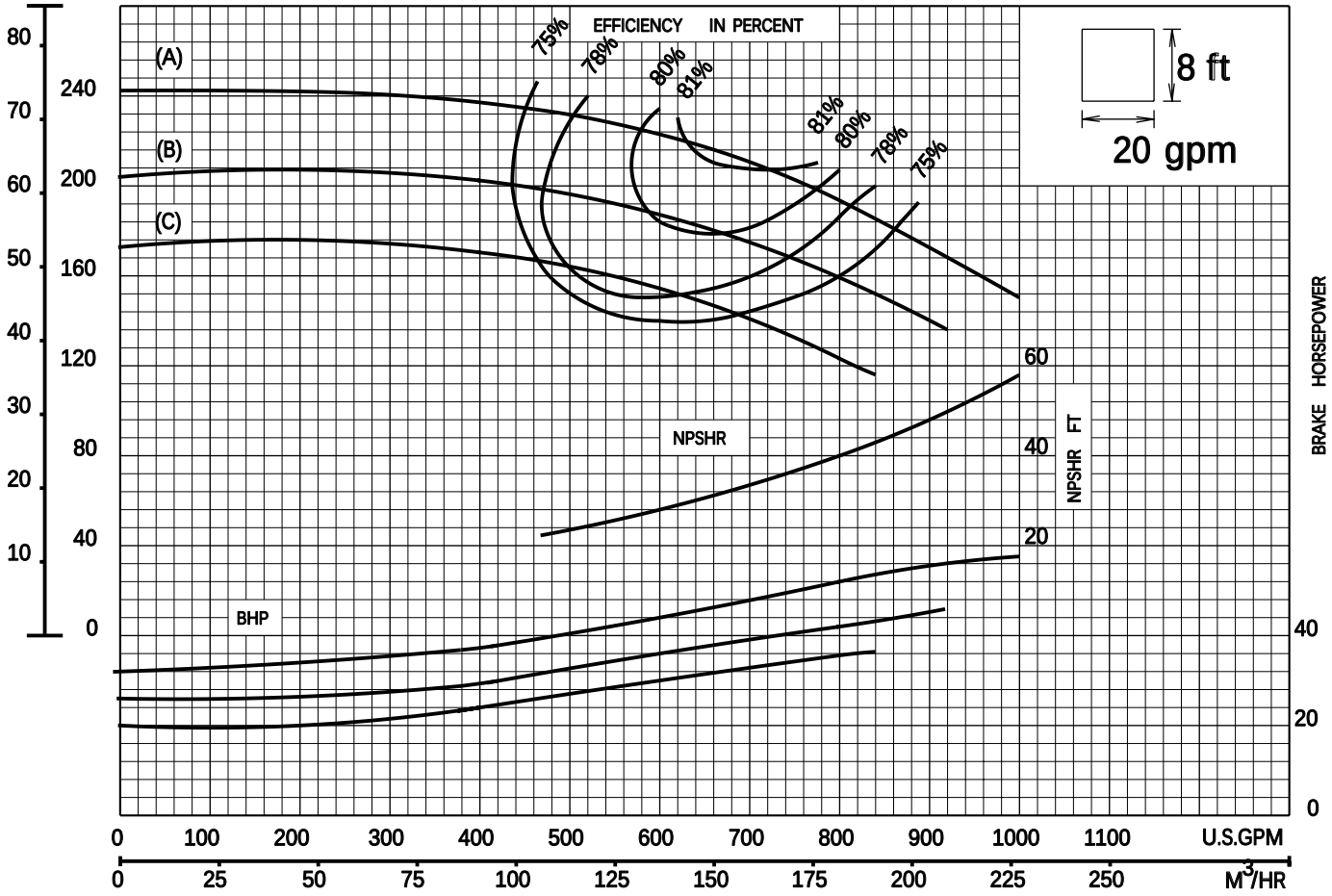
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

DECEMBER 1996

10KC 3450 RPM



IMPELLER DATA

Impeller Number	3095	TRIM:	(A) 7.725" X 25.5°
Material	BRONZE		(B) 7.203" X 25.5°
Type	CLOSED		(C) 6.797" X 25.5°
Thrust Factor	K=4.20		
Eye Area	7.89 sq. in.		Minimum submergence above eye of bottom impeller:32 in.
Weight	9.50 lb.		

BOWL DATA

Bowl Number	3096 C.I./ENAM.	
Bowl Dia.	9.875"max 9.500"min	
Max. No. Stages	9	
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.

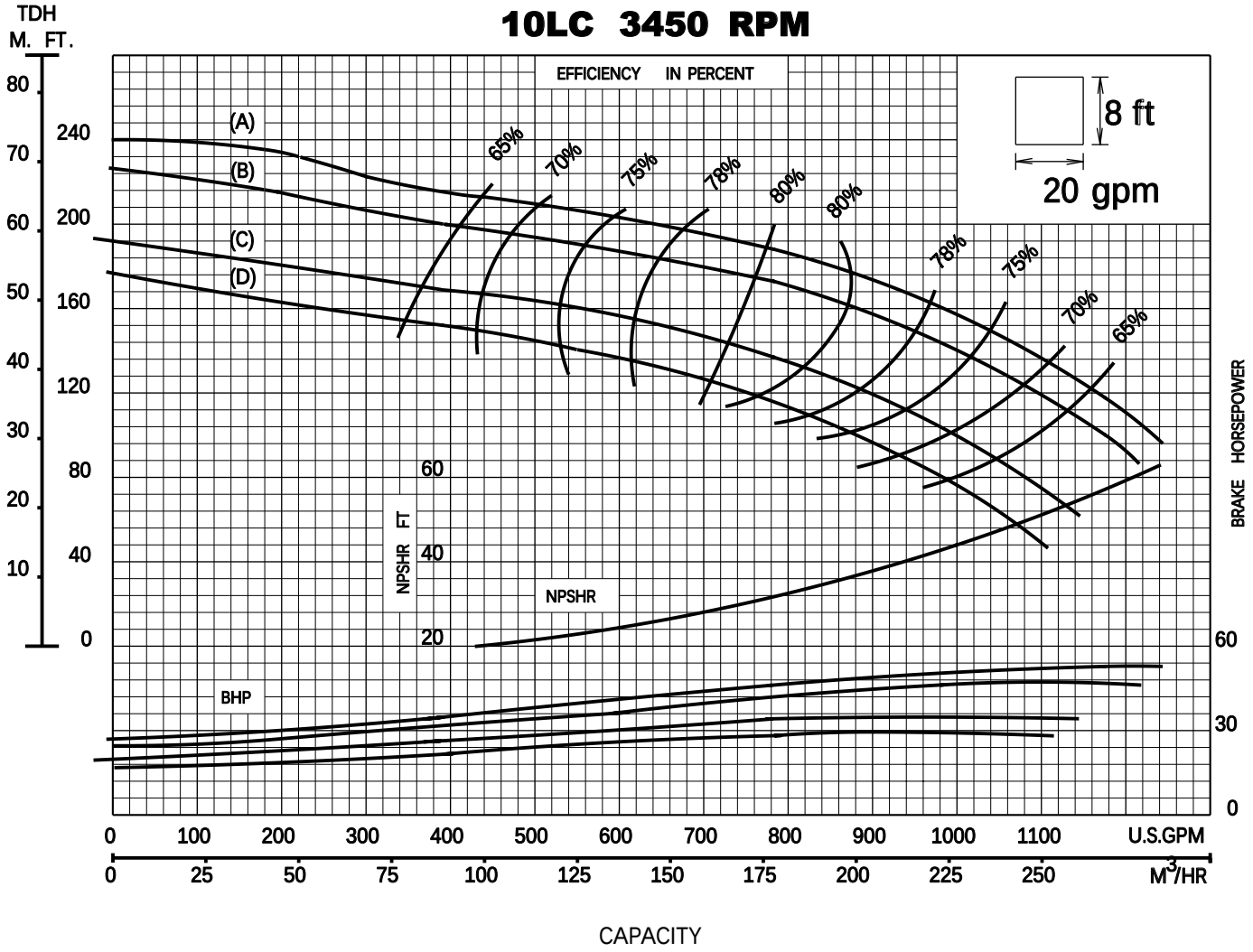
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

JANUAR Y 1995

10LC 3450 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.		
Weight	9.75 lb.		

Minimum submergence above eye of bottom impeller:36 in.

BOWL DATA

Bowl Number	3098 C.I./ENAM.	
Bowl Dia.	9.500"max 9.250"min	
Max. No. Stages	13	
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.

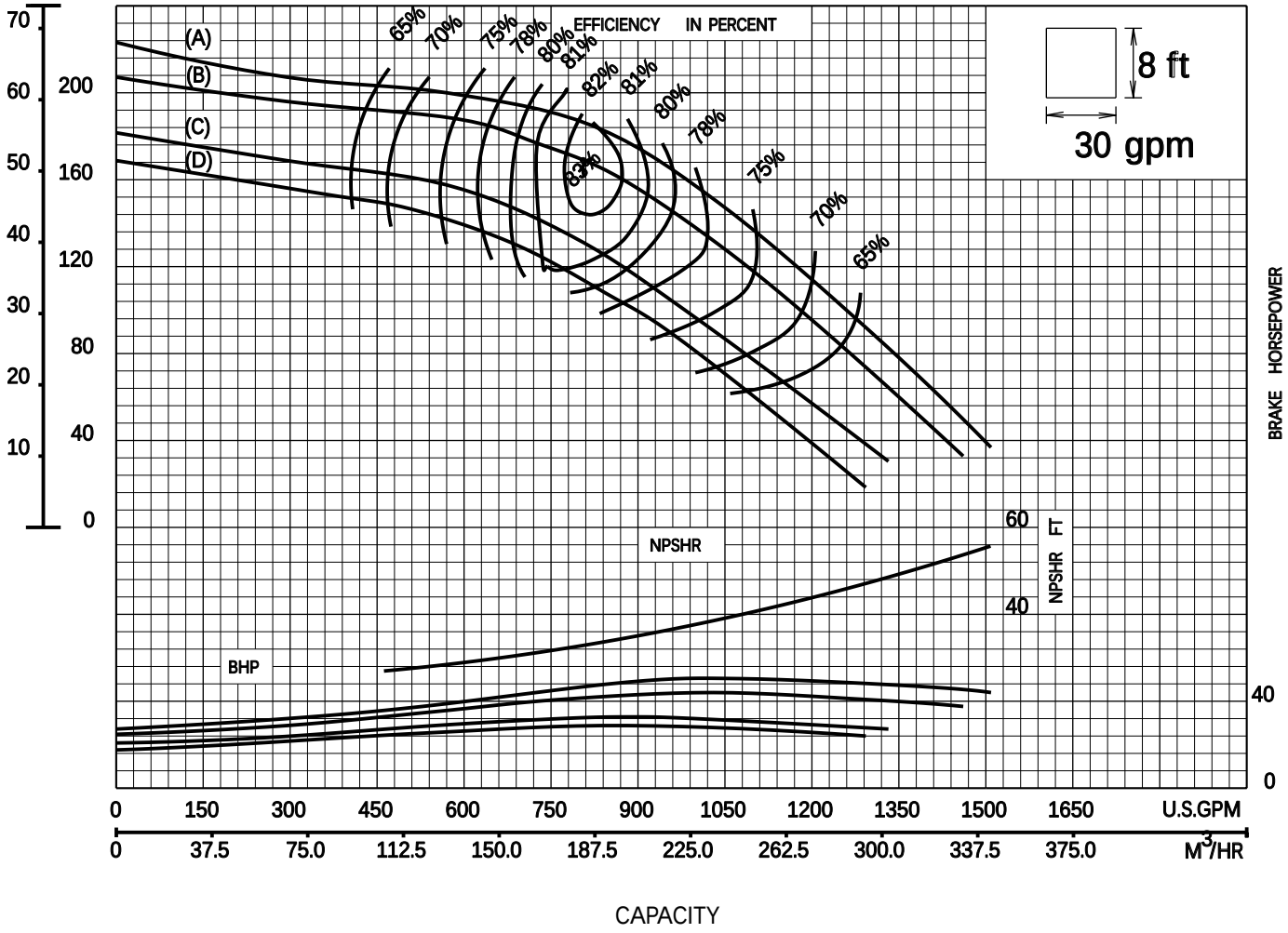
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

FEBRUAR Y 1995

10LS 3450 RPM



CAPACITY

IMPELLER DATA

Impeller Number	3103	TRIM:	(A) 7.688" X 20
Material	BRONZE		(B) 7.500" X 20
Type	SEMI-OPEN		(C) 7.125" X 20
Thrust Factor	K=7.50		(D) 6.875" X 20
Eye Area	11.74 sq. in.		
Weight	6.25 lb.		

Minimum submergence above eye of top impeller:38 in.

BOWL DATA

Bowl Number	3098-S,C.I./ENAM.	
Bowl Dia.	9.500" max 9.250" min	
Max. No. Stages	10	
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.

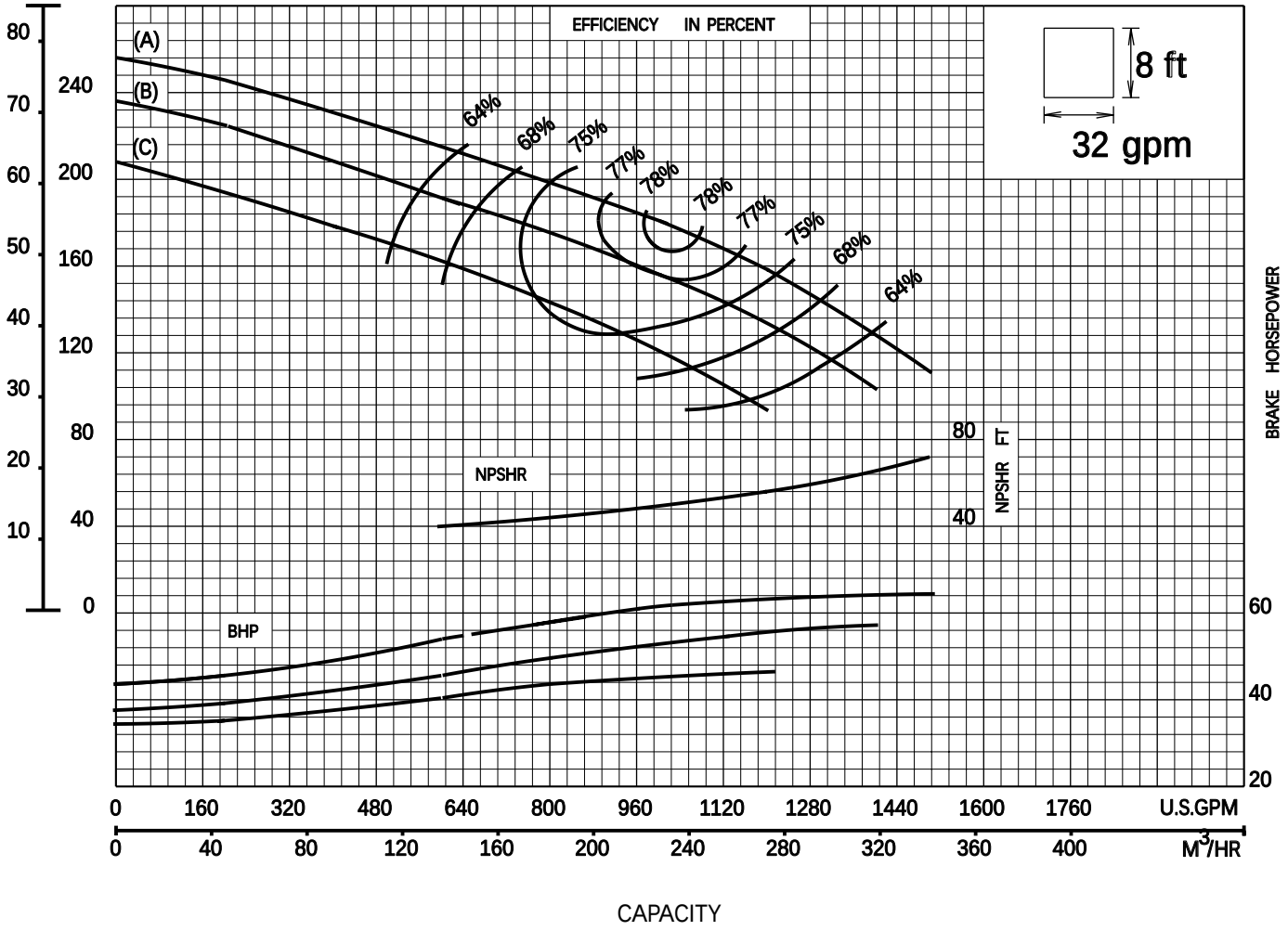
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

AUGUST 1997

10MC 3450 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°

Minimum submergence above eye of bottom impeller: 36 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	8	
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)	

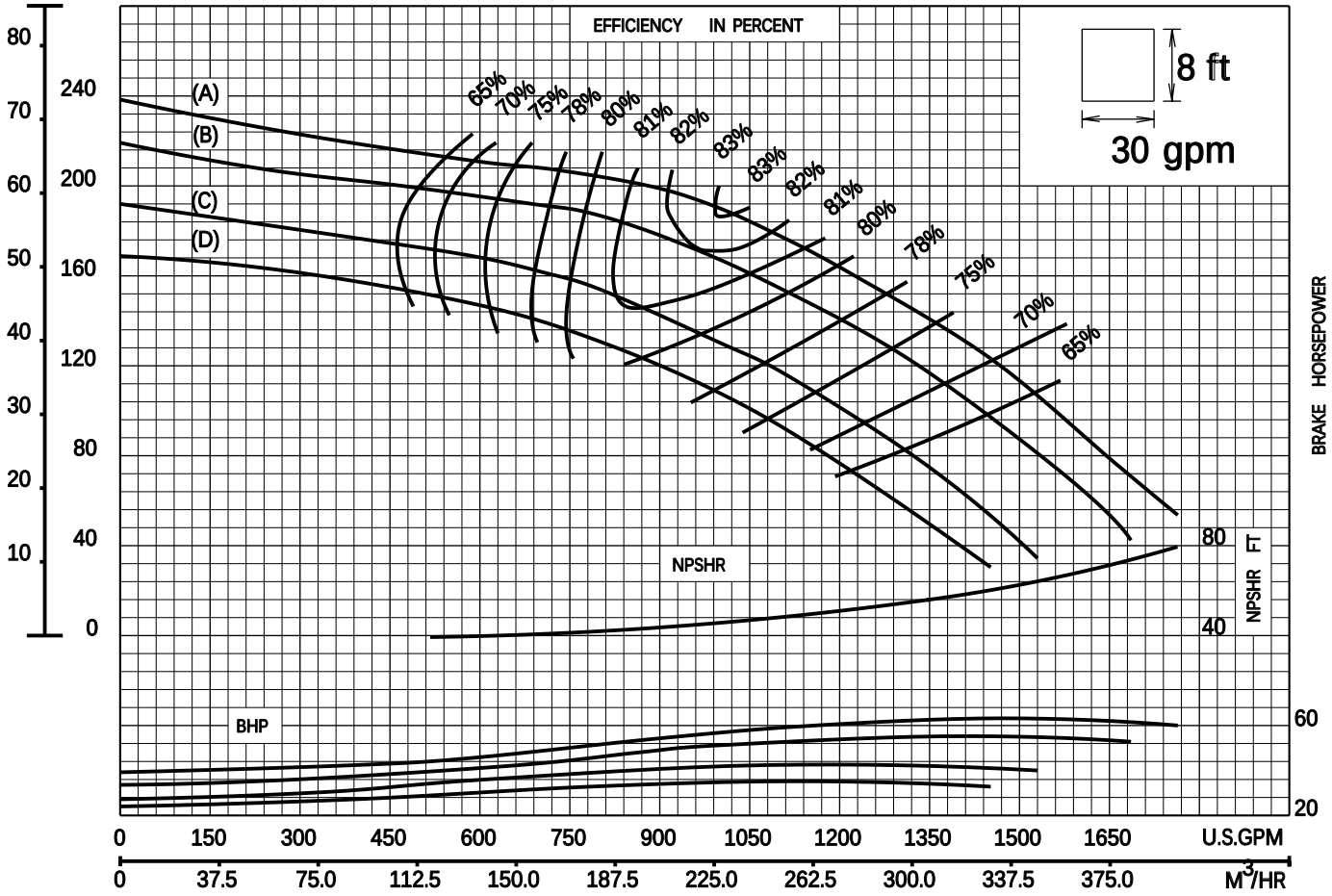
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

FEBRUAR Y 1995

10MS 3450 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.		
Weight	5.75 lb.		Minimum submergence above eye of top impeller 38 in.

BOWL DATA

Bowl Number	3098-S,C.I./ENAM.	
Bowl Dia.	9.500" max 9.250" min	
Max. No. Stages	8	
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.

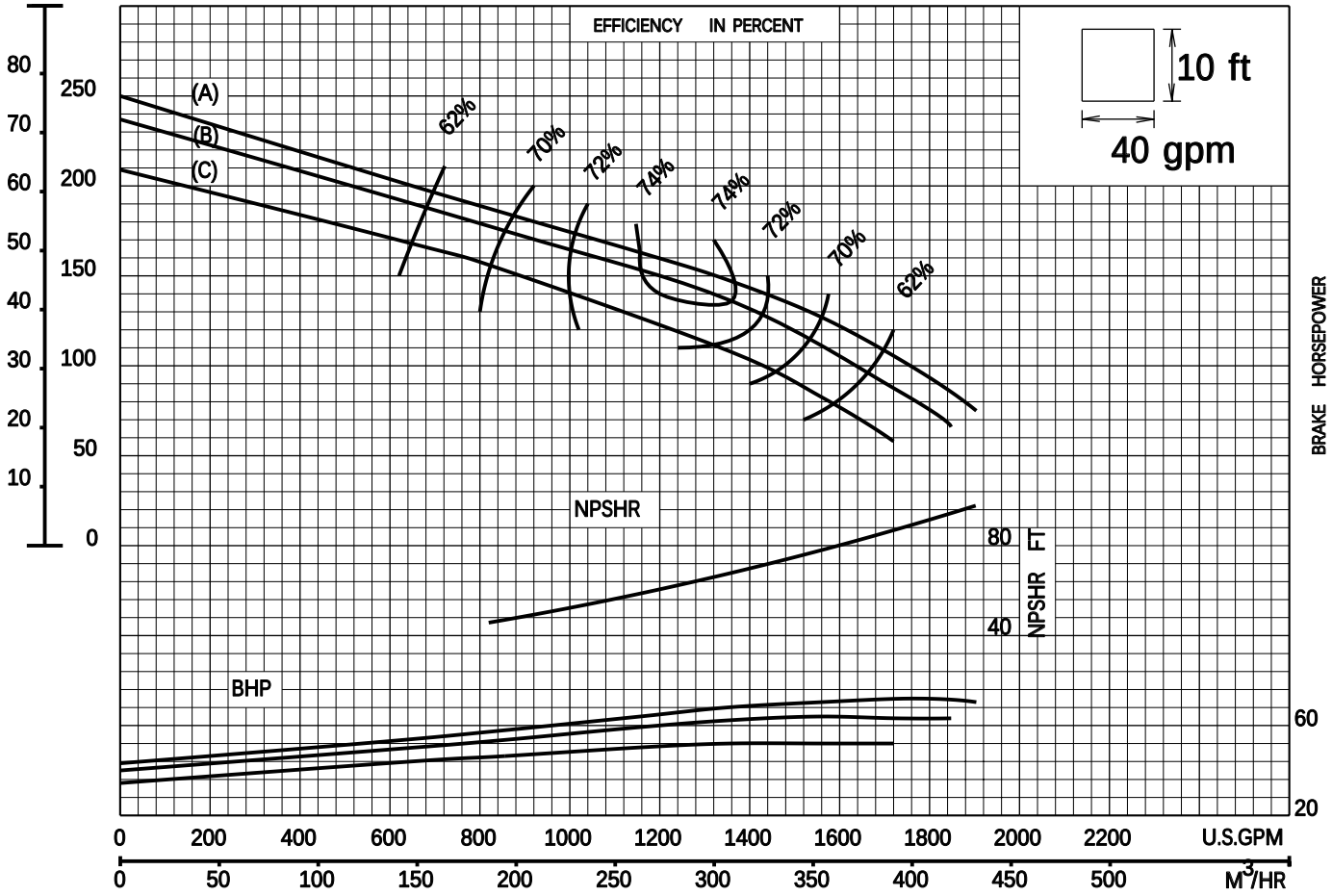
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

MAY 1995

10HC 3450 RPM



CAPACITY

IMPELLER DATA

Impeller Number	2967	TRIM:	(A) 7.688" X 27
Material	BRONZE		(B) 7.500" X 27
Type	CLOSED		(C) 7.125" X 27
Thrust Factor	K=8.10		
Eye Area	14.90 sq. in.		
Weight	8.50 lb.		

Minimum submergence above eye of bottom impeller: 39 in.

BOWL DATA

Bowl Number	2968 C.I./ENAM.	
Bowl Dia.	9.500"max 9.250"min	
Max. No. Stages	7	
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.

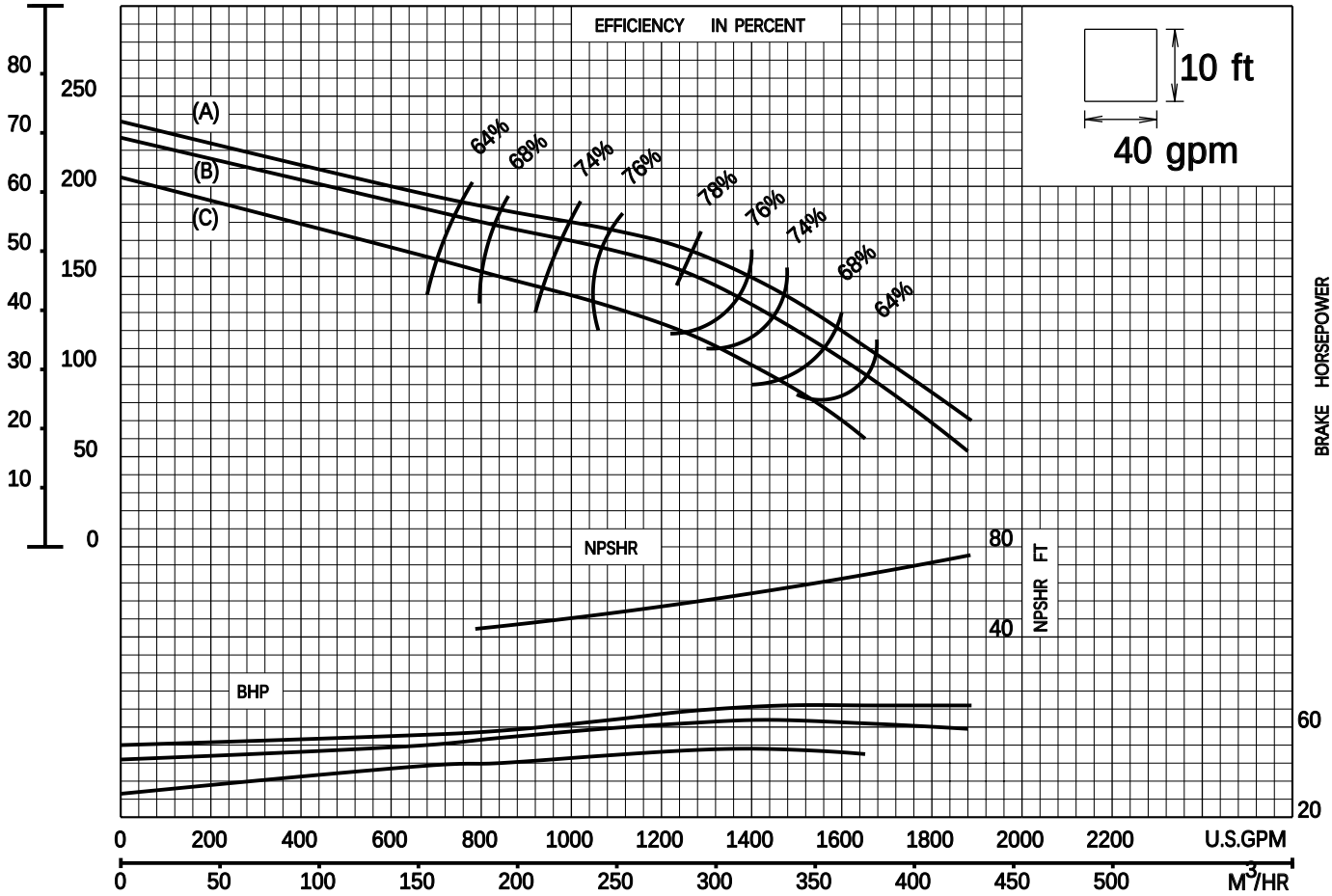
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

MAY 1995

10HS 3450 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: 41 in.

BOWL DATA

Bowl Number	2968-S,C.I./ENAM.	
Bowl Dia.	9.500"max 9.250"min	
Max. No. Stages	7	
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.

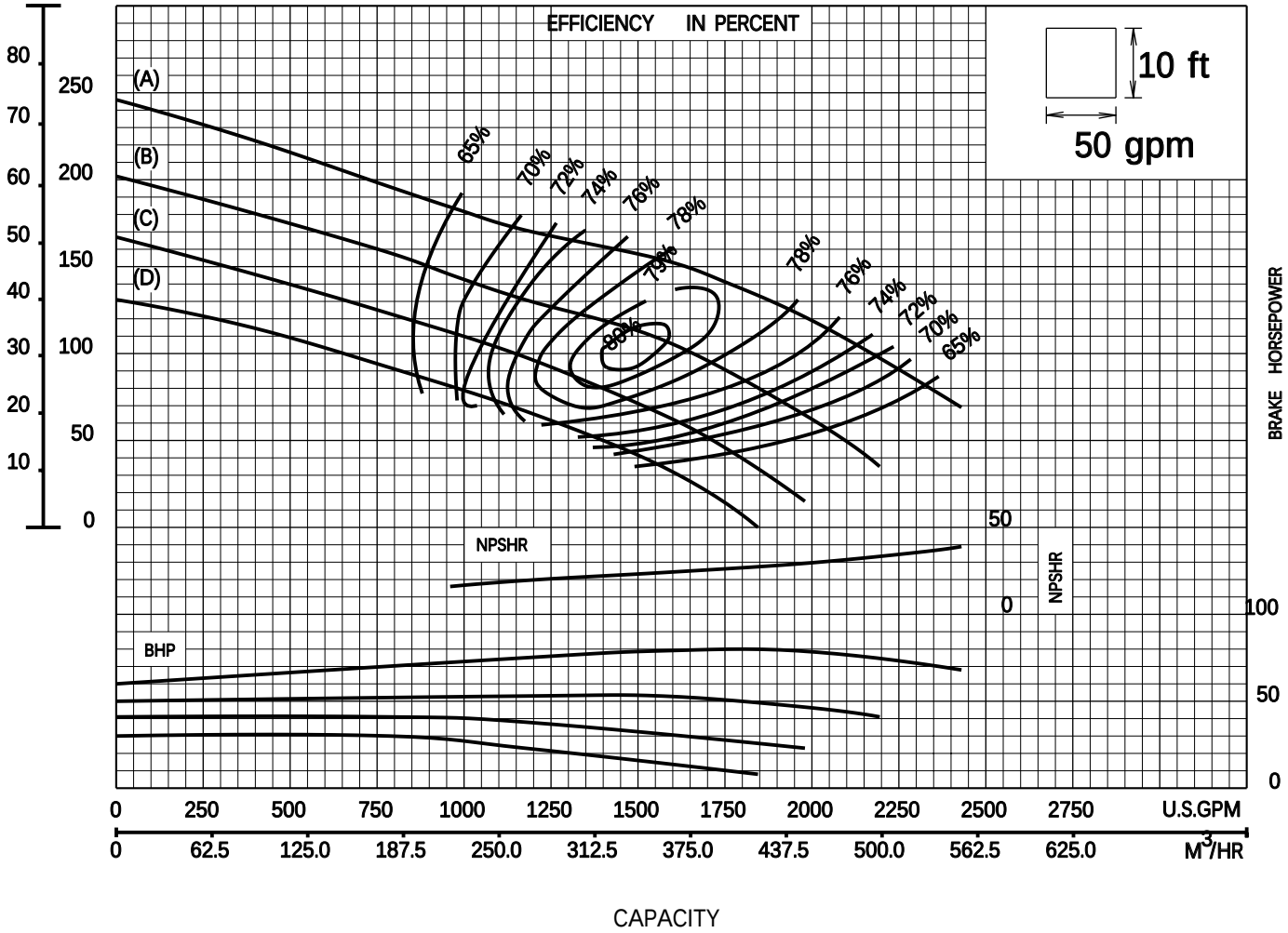
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

MAY 2001

10WC 3450 RPM



IMPELLER DATA

Impeller Number	3577		
Material	BRONZE		
Type	CLOSED		
Thrust Factor	K=10.30		
Eye Area	19.40	sq. in.	
Weight	11.50	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 bottom impeller:28 in.

BOWL DATA

Bowl Number	3541 C.I./ENAM.	
Bowl Dia.	9.875"max 9.500"min	
Max. No. Stages	7	
One Stage Weight	250	lb
Add'l Stage Weight	60	lb
Std. Shaft Dia.	1.688	in
Std. Lateral	0.875	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.

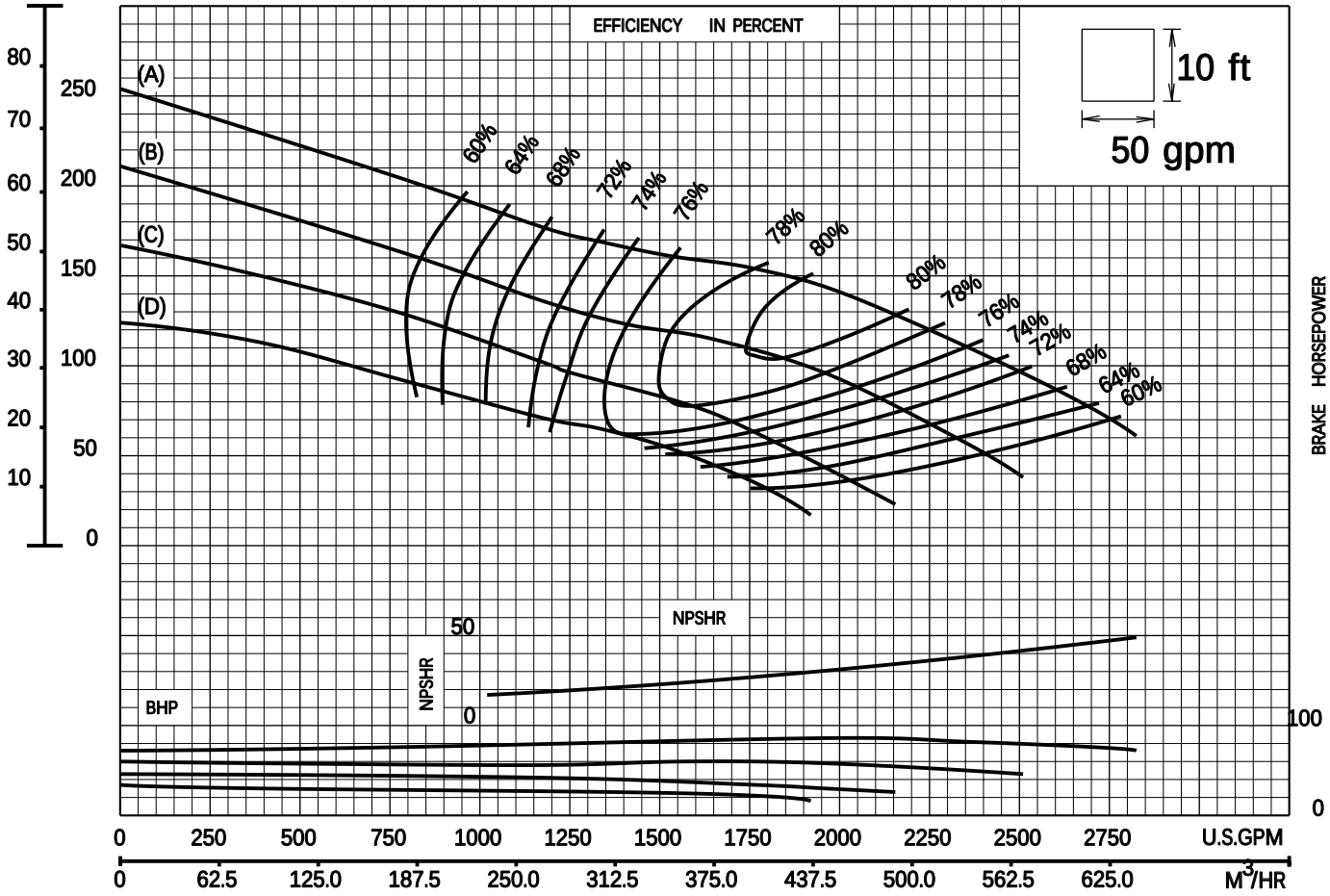
Performance based on pumping clear, fresh water at a temperature not over 85° F., and free of gas, air or abrasives, and with bowls properly adjusted and submerged.

AMERICAN-MARSH PUMPS

TURBINE PUMP CURVE

APRIL 1999

10YC 3450 RPM



CAPACITY

IMPELLER DATA

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

TRIM: (A) 8.250" X 33.25°
(B) 7.500" X 33.25°
(C) 6.750" X 33.25°

Minimum submergence above eye of bottom impeller 40 in.

BOWL DATA

Bowl Number	3541 C.I./ENAM.	
Bowl Dia.	9.875"max 9.500"min	
Max. No. Stages	8	
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.