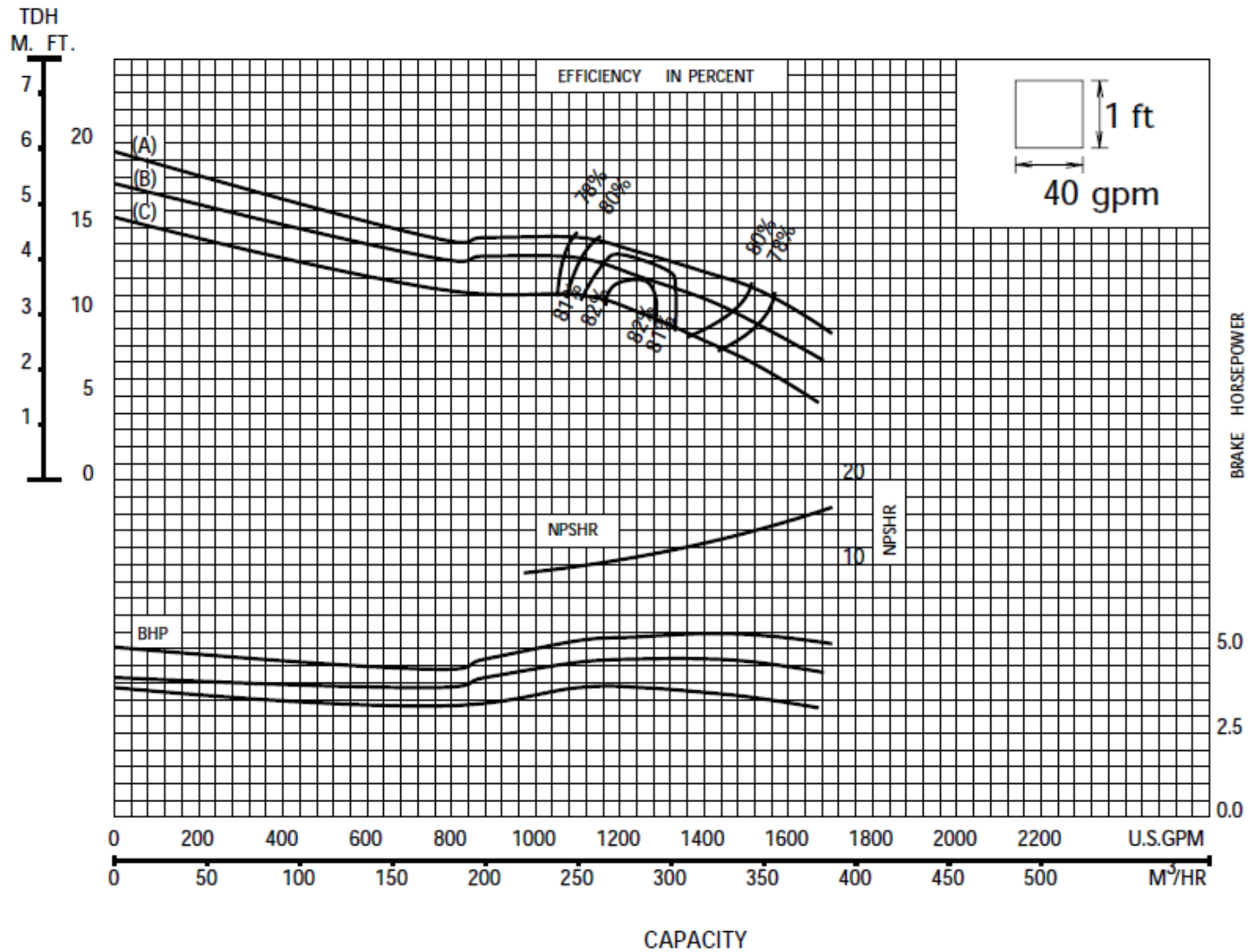


# Wilo-Vertical Turbine Pump Curve

**wilo**®

W12YS

880 RPM



IMPELLER DATA			
IMPELLER NUMBER	4778-S	TRIM:	(A) 9.500" x 35°
MATERIAL	BRONZE		(B) 9.000" X 35°
TYPE	SEMI-OPEN		(C) 8.625" X 35°
THRUST FACTOR	K=16.50		
EYE AREA	38.00 SQ. IN.	Minimum submergence above eye of bottom impeller: .36 IN.	
WEIGHT	19.00 LB.		

BOWL DATA	
BOWL NUMBER	4772-S C.I./ENAM.
BOWL MAX. DIAMETER	12.188 IN.
BOWL MIN. DIAMETER	11.750 IN.
MAX. NO. STAGES	23
ONE STAGE WEIGHT	415LB.
ADD STAGE WEIGHT	140 LB.
STD. SHAFT DIA.	1.688 IN.
STD. LATERAL	0.875 IN.
DISCHARGE SIZE	8 - 12 IN.
SUCTION SIZE	8 - 12 IN.
SUCTION BELL DIA.	33.250 IN.
MAX. SPHERE SIZE	1.500 IN
MAX. OPERATIONAL P.S.I.	584 (SPECIAL)

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

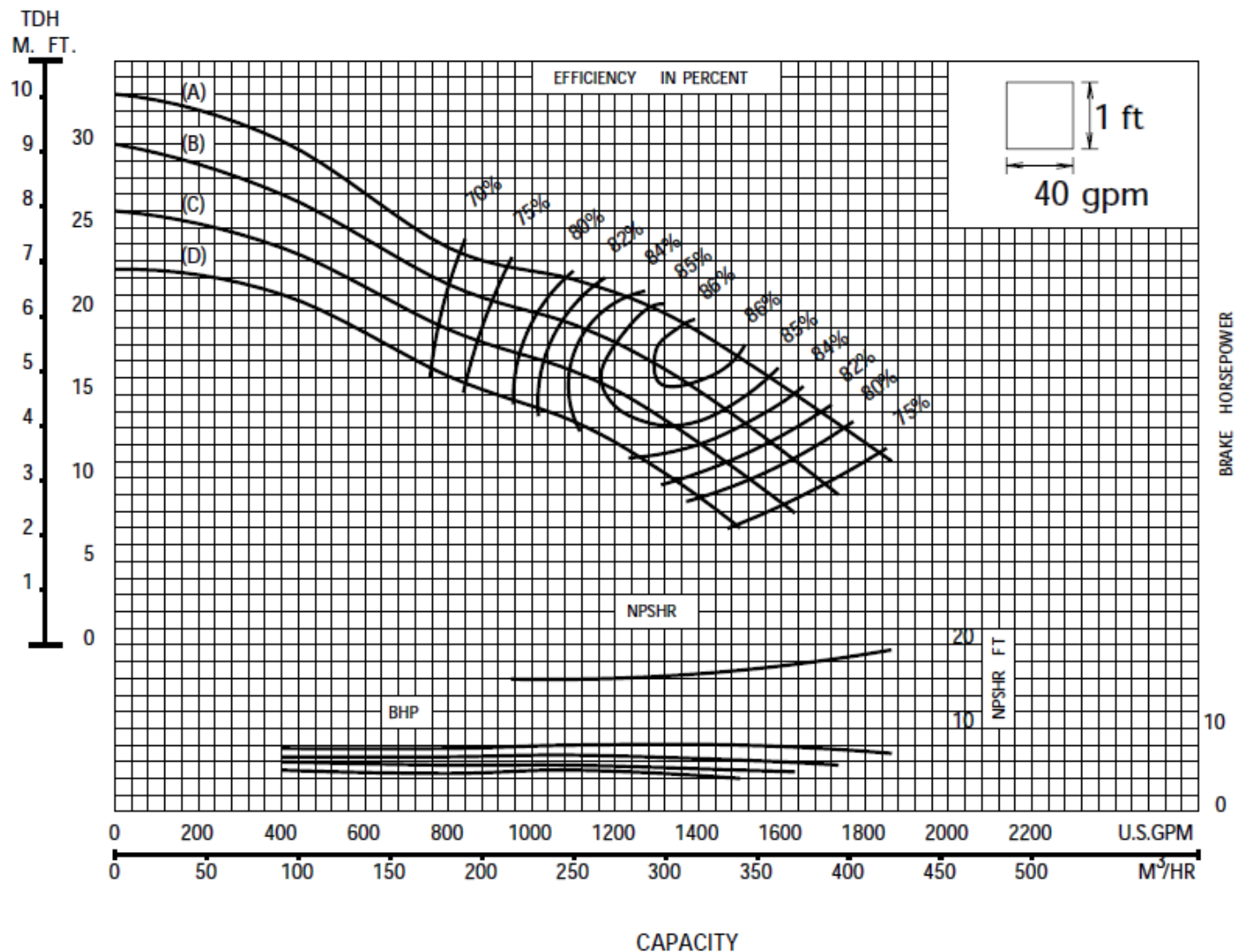
Performance based on pumping clear, fresh water at a temperature not over 85°F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

# Wilo-Vertical Turbine Pump Curve

**wilo**®

W14WS

880 RPM



IMPELLER DATA			
IMPELLER NUMBER	4153-S	TRIM:	(A) 11.813" x 35°
MATERIAL	BRONZE		(B) 11.500" X 35°
TYPE	SEMI-OPEN		(C) 11.000" X 35°
THRUST FACTOR	K=26.20		(D) 10.500" X 35°
EYE AREA	47.30 SQ. IN.	Minimum submergence above eye of bottom impeller: .34 IN.	
WEIGHT	23.25 LB.		

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 MAX. DIAMETER	14.063 IN.
BOWL MIN. DIAMETER	13.750 IN.
MAX. NO. STAGES	16
ONE STAGE WEIGHT	500 LB.
ADD STAGE WEIGHT	185 LB.
STD. SHAFT DIA.	1.938 IN.
STD. LATERAL	0.875 IN.
DISCHARGE SIZE	10 - 12 IN.
SUCTION SIZE	10 - 12 IN.
MAX. SPHERE SIZE	1.500 IN
MAX. OPERATIONAL P.S.I.	540 (SPECIAL)

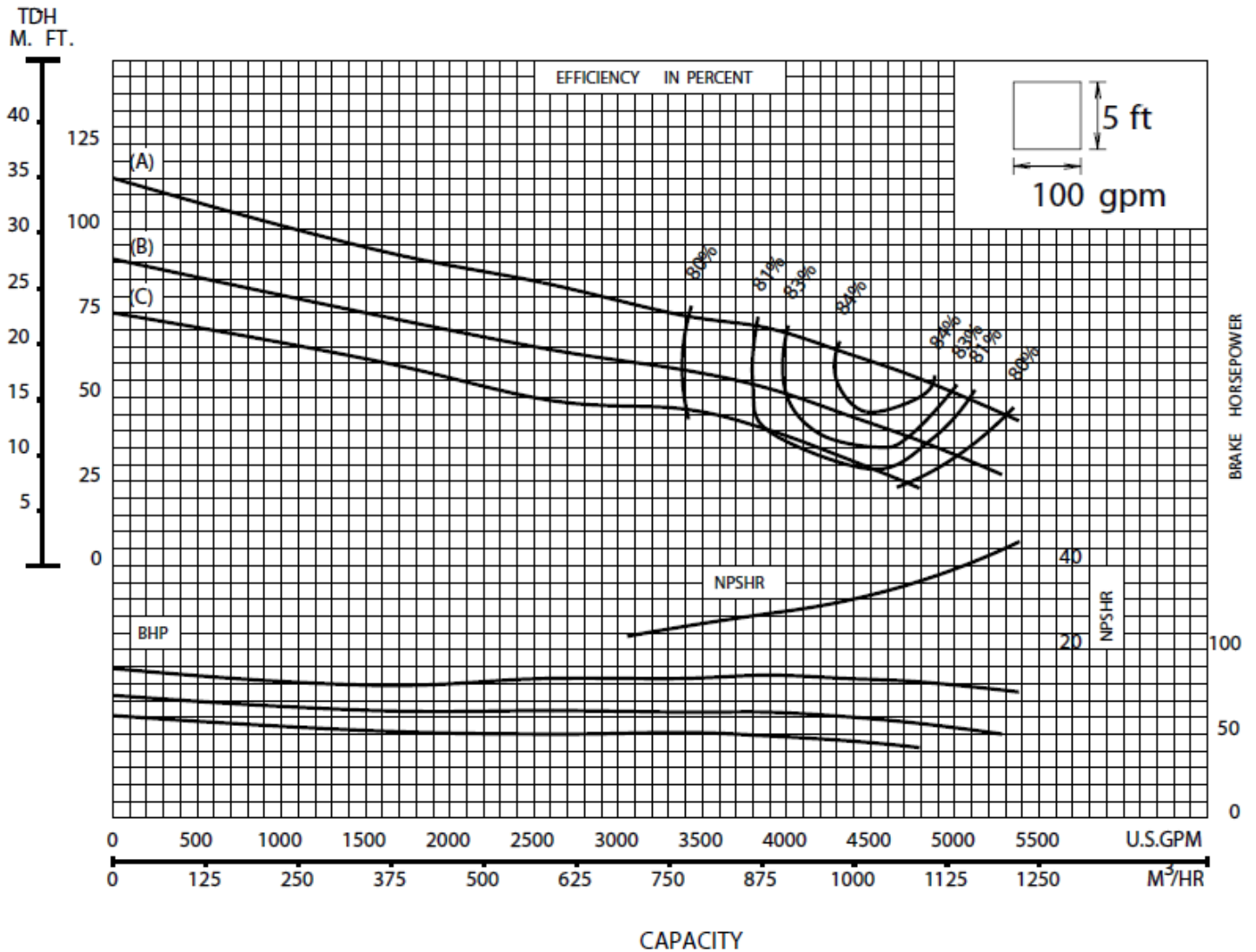
Performance based on pumping clear, fresh water at a temperature not over 85°F., free of gas, air or abrasives and with bowls properly adjusted and submerged. Performance curve reflects Hydraulic Institute tolerances and guidelines.

# Wilo-Vertical Turbine Pump Curve



W15KS

880 RPM



IMPELLER DATA			
IMPELLER NUMBER	0004-S	TRIM:	(A) 11.850" x 34°
MATERIAL	BRONZE		(B) 11.000" X 34°
TYPE	SEMI-OPEN		(C) 10.500" X 34°
THRUST FACTOR	K=30.00		
EYE AREA	63.60 SQ. IN.	Minimum submergence above eye of bottom impeller: .36 IN.	
WEIGHT	21.00 LB.		

BOWL DATA	
BOWL NUMBER	0001-S C.I./ENAM.
BOWL MAX. DIAMETER	15.250 IN.
BOWL MIN. DIAMETER	14.750 IN.
MAX. NO. STAGES	16
ONE STAGE WEIGHT	500 LB.
ADD STAGE WEIGHT	185 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. OPERATIONAL P.S.I.	540 (SPECIAL)

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

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