



Tri-Clover C/SP Series Pump Performance Curves

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C/SP Curves

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For further technical information and specifications for the Tri-Clover C/SP pump, including standard design, seal and connection options and pump dimensions, please refer to the Tri-Clover C/SP brochure.

Tri-Clover[®] Pump Application Data

How to use Centrifugal Pump Capacity Curve Graphs

A capacity curve chart is the best source for selection of a centrifugal pump. It is a graphic record as to how a pump will perform with impellers of different sizes. A capacity curve chart will also show graphically how a pump and impeller will perform at different motor speeds.

Capacity curve charts for the 114, 216, 218 and 328 operating at 1750 RPM and 3500 RPM and the 4410 operating at 1750 RPM are shown on the following pages. The chart on the following page is for instructional purposes only.

Column A on the left-hand side of the chart shows *Head* in Feet and Pounds Per Square Inch (PSI). Column B at the bottom of the chart shows *Capacity* in Gallons Per Minute and Pounds Per Hour. Column C to the right of the curve is Net Positive Suction Head (NPSH). These, together with the impeller curves (each curve is marked with impeller diameter) and the motor horsepower curves (shown in green), comprise the main parts of a head capacity curve chart.

EXAMPLE

Problem: Find the impeller size and horsepower of motor necessary to pump 175 GPM against a total head pressure of 55 feet.

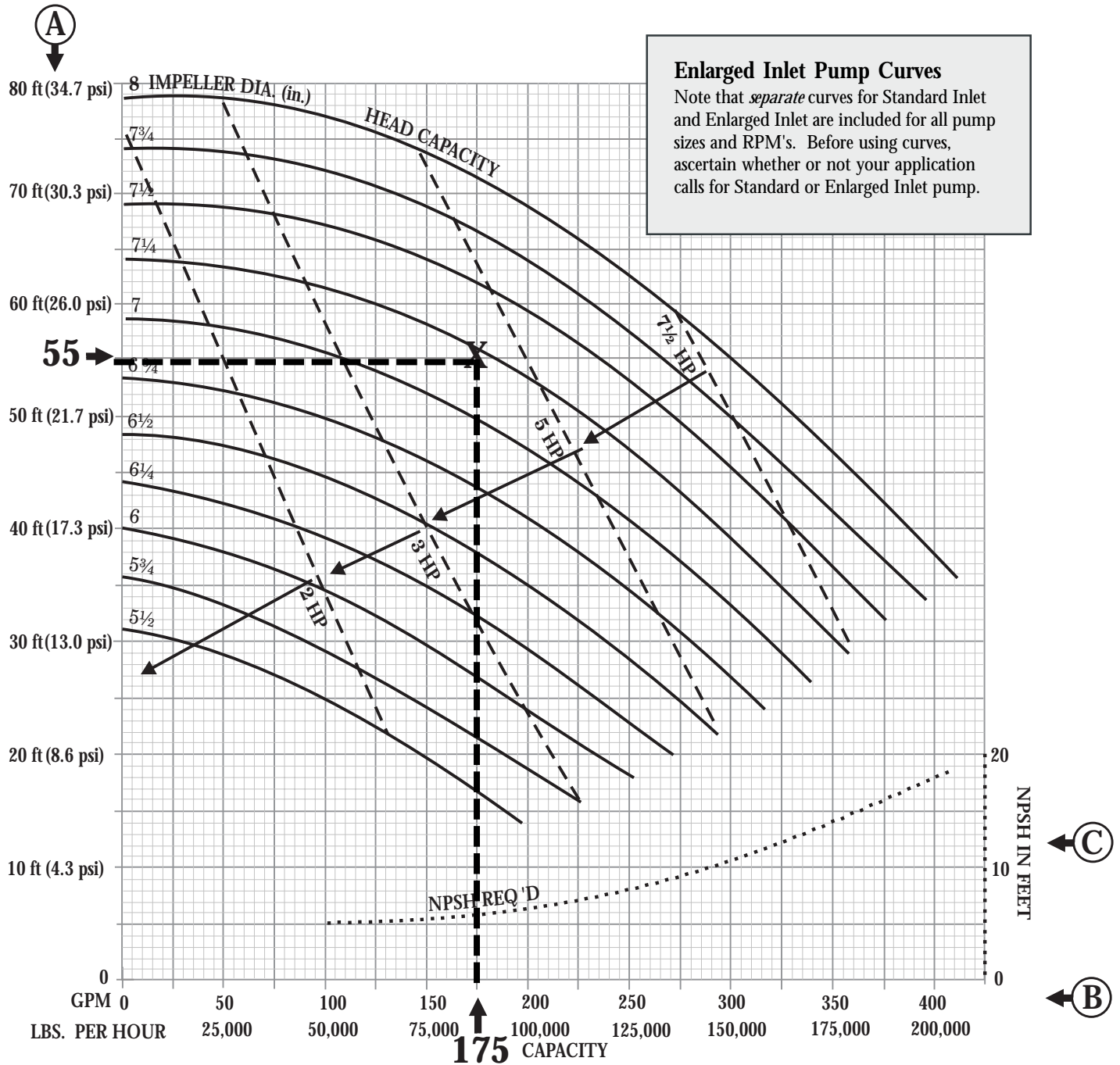
Solution:

1. Locate 55 feet on the Head Column A.
2. Locate 175 GPM in the Capacity Column B.
3. Follow a horizontal line to the right of 55 feet until it intersects a vertical line that is directly above 175 GPM.
4. Find the point of intersection marked with an "X" on the chart.
5. To find the impeller size required, refer to the impeller size curve (solid line) that is directly above the "X" on the chart. The impeller diameter required is 7¹/₄".
6. To find the motor horsepower required, refer to the motor horsepower curve (dashed line) located at the right of the "X" on the curve. The horsepower is 5 HP.

Answer: To pump 175 GPM against a total head pressure of 55 feet, a 7¹/₄" diameter impeller and a 5 HP motor operating at 1750 RPM is required. The NPSHr is approximately 6 feet.

Tri-Clover® Pump Application Data

How to use Centrifugal Pump Capacity Curve Graphs



Pump and Motor Selection Table

HOW TO USE THE PUMP AND MOTOR SELECTION TABLE

Recommendations are based on water at room temperature with specific gravity of 1.0.

Column A on the left-hand side of the chart shows *Head* in Feet. Column B shows *Pressure* in Pounds Per Square Inch. The next twenty-eight columns under heading C show *Capacity* in Gallons Per Minute and Pounds Per Hour. Under each of the twenty-eight *Capacity* headings (C) is shown the size of the pump and impeller diameter required; the horsepower needed and the motor speed necessary to pump a given capacity (shown in C) against a given head or pressure (shown in A or B).

B Pressure in Lb./Sq.In.	A Head in Feet	C → U.S. GALLONS PER MINUTE													
		4	8	12	16	20	30	40	50	60	70	80	100	120	
		POUNDS PER HOUR													
		2,000	4,000	6,000	8,000	10,000	15,000	20,000	25,000	30,000	35,000	40,000	50,000	60,000	
1.7	4	114-2 ¹ / ₂ 1/4-18	114-2 ¹ / ₂ 1/4-18	114-2 ¹ / ₂ 1/4-18	114-2 ³ / ₄ 1/4-18	114-2 ³ / ₄ 1/4-18	114-3 1/4-18	114-3 1/4-18	114-3 ¹ / ₄ 1/4-18						
2.6	6	114-2 ³ / ₄ 1/4-18	114-2 ³ / ₄ 1/4-18	114-3 1/4-18	114-3 1/4-18	114-3 1/4-18	114-3 ¹ / ₄ 1/4-18	114-3 ¹ / ₄ 1/4-18	114-3 ¹ / ₂ 1/4-18	114-3 ³ / ₄ 1/4-18	114-4 3/4-18	216-4 3/4-18			
3.5	8	114-3 1/4-18	114-3 1/4-18	114-3 1/4-18	114-3 ¹ / ₄ 1/4-18	114-3 ¹ / ₄ 1/4-18	114-3 ¹ / ₂ 1/4-18	114-3 ¹ / ₂ 1/4-18	114-3 ³ / ₄ 1/2-18	114-4 1/2-18	216-4 3/4-18	216-4 ¹ / ₂ 3/4-18	216-4 ¹ / ₂ 3/4-36	216-4 ¹ / ₂ 3/4-36	
4.3	10	114-3 ¹ / ₄ 1/4-18	114-3 ¹ / ₄ 1/4-18	114-3 ¹ / ₄ 1/4-18	114-3 ¹ / ₂ 1/4-18	114-3 ¹ / ₂ 1/4-18	114-3 ¹ / ₂ 1/4-18	114-3 ³ / ₄ 1/2-18	114-4 1/2-18	216-4 3/4-18	216-4 ¹ / ₂ 3/4-18	216-4 ¹ / ₂ 3/4-36	216-4 ¹ / ₂ 3/4-36	216-4 ¹ / ₂ 3/4-36	
5.2	12	114-3 ¹ / ₂ 1/4-18	114-3 ¹ / ₂ 1/4-18	114-3 ¹ / ₂ 1/4-18	114-3 ³ / ₄ 1/4-18	114-3 ³ / ₄ 1/4-18	114-3 ³ / ₄ 1/4-18	114-4 1/2-18	114-4 1/2-18	216-4 ¹ / ₂ 3/4-18	216-4 ¹ / ₂ 3/4-18	216-4 ¹ / ₂ 3/4-36	216-4 ¹ / ₂ 3/4-36	216-4 ¹ / ₂ 3/4-36	
6.1	14	114-3 ³ / ₄ 1/4-18	114-3 ³ / ₄ 1/4-18	114-3 ³ / ₄ 1/4-18	114-3 ³ / ₄ 1/4-18	114-4 1/4-18	114-4 1/2-18	114-4 1/2-18	114-4 1/2-18	216-4 ¹ / ₂ 3/4-18	216-4 ¹ / ₂ 3/4-18	216-4 ¹ / ₂ 3/4-18	216-4 ¹ / ₂ 3/4-18	216-4 ¹ / ₂ 3/4-18	
6.9	16	114-4 1/4-18	114-4 1/4-18	114-4 1/4-18	114-4 1/4-18	114-4 1/4-18	216-4 ¹ / ₂ 3/4-18	216-4 ¹ / ₂ 3/4-18	216-4 ¹ / ₂ 3/4-18	216-4 ¹ / ₂ 3/4-18	216-4 ¹ / ₂ 3/4-18	216-4 ¹ / ₂ 3/4-18	216-4 ¹ / ₂ 3/4-18	216-4 ¹ / ₂ 3/4-18	
7.8	18	216-4 ¹ / ₂ 1/2-18	216-4 ¹ / ₂ 1/2-18	216-4 ¹ / ₂ 1/2-18	216-4 ¹ / ₂ 1/2-18	216-4 ¹ / ₂ 1/2-18	216-4 ¹ / ₂ 3/4-18	216-4 ¹ / ₂ 3/4-18	216-4 ¹ / ₂ 3/4-18	216-4 ¹ / ₂ 3/4-18	216-4 ¹ / ₂ 3/4-18	216-4 ¹ / ₂ 3/4-18	216-4 ¹ / ₂ 3/4-18	216-4 ¹ / ₂ 3/4-18	
8.7	20	216-4 ¹ / ₂ 1/2-18	216-4 ¹ / ₂ 1/2-18	216-4 ¹ / ₂ 1/2-18	216-4 ¹ / ₂ 1/2-18	216-4 ¹ / ₂ 1/2-18	216-4 ¹ / ₂ 3/4-18	216-4 ¹ / ₂ 3/4-18	216-4 ¹ / ₂ 3/4-18	216-4 ¹ / ₂ 3/4-18	216-4 ¹ / ₂ 3/4-18	216-4 ¹ / ₂ 3/4-18	216-4 ¹ / ₂ 3/4-18	216-4 ¹ / ₂ 3/4-18	
9.8	22 ¹ / ₂	216-4 ³ / ₄ 1/2-18	216-4 ³ / ₄ 1/2-18	216-4 ³ / ₄ 1/2-18	216-4 ³ / ₄ 1/2-18	216-4 ³ / ₄ 1/2-18	216-5 3/4-18	216-5 3/4-18	216-5 3/4-18	216-5 3/4-18	216-5 ¹ / ₄ 1-18	216-5 ¹ / ₄ 1-18	216-5 ¹ / ₄ 1-18	216-5 ¹ / ₄ 1-18	
10.8	25	216-5 3/4-18	216-5 3/4-18	216-5 3/4-18	216-5 3/4-18	216-5 3/4-18	216-5 ¹ / ₄ 1-18	216-5 ¹ / ₄ 1-18	216-5 ¹ / ₄ 1-18	216-5 ¹ / ₄ 1-18	216-5 ¹ / ₄ 1-18	216-5 ¹ / ₄ 1-18	216-5 ¹ / ₄ 1-18	216-5 ¹ / ₄ 1-18	
13	30	216-5 ¹ / ₄ 3/4-18	216-5 ¹ / ₄ 3/4-18	216-5 ¹ / ₄ 3/4-18	216-5 ¹ / ₄ 3/4-18	216-5 ¹ / ₄ 3/4-18	216-5 ¹ / ₂ 1-18	216-5 ¹ / ₂ 1-18	216-5 ¹ / ₂ 1-18	216-5 ¹ / ₂ 1-18	216-5 ¹ / ₂ 1-18	216-5 ¹ / ₂ 1-18	216-5 ¹ / ₂ 1-18	216-5 ¹ / ₂ 1-18	
15.2	35	216-5 ³ / ₄ 3/4-18	216-5 ³ / ₄ 3/4-18	216-5 ³ / ₄ 3/4-18	216-5 ³ / ₄ 3/4-18	216-5 ³ / ₄ 3/4-18	216-5 ³ / ₄ 3/4-18	216-5 ³ / ₄ 3/4-18	216-5 ³ / ₄ 3/4-18	216-5 ³ / ₄ 3/4-18	216-5 ³ / ₄ 3/4-18	216-5 ³ / ₄ 3/4-18	216-5 ³ / ₄ 3/4-18	216-5 ³ / ₄ 3/4-18	
17.3	40	216-6 1-18	216-6 1-18	216-6 1-18	216-6 1-18	216-6 1-18	216-6 1-18	216-6 1-18	216-6 1-18	216-6 1-18	216-6 1-18	216-6 1-18	216-6 1-18	216-6 1-18	
19.5	45	218-6 ¹ / ₂ 1 1/2-18	218-6 ¹ / ₂ 1 1/2-18	218-6 ¹ / ₂ 1 1/2-18	218-6 ¹ / ₂ 1 1/2-18	218-6 ¹ / ₂ 1 1/2-18	218-6 ¹ / ₂ 1 1/2-18	218-6 ¹ / ₂ 1 1/2-18	218-6 ¹ / ₂ 1 1/2-18	218-6 ¹ / ₂ 1 1/2-18	218-6 ¹ / ₂ 1 1/2-18	218-6 ¹ / ₂ 1 1/2-18	218-6 ¹ / ₂ 1 1/2-18	218-6 ¹ / ₂ 1 1/2-18	
21.7	50	218-6 ³ / ₄ 1 1/2-18	218-6 ³ / ₄ 1 1/2-18	218-6 ³ / ₄ 1 1/2-18	218-6 ³ / ₄ 1 1/2-18	218-6 ³ / ₄ 1 1/2-18	218-7 1-18	218-7 1-18	218-7 1-18	218-7 1-18	218-7 1-18	218-7 1-18	218-7 1-18	218-7 1-18	
23.8	55	218-7 1-18	218-7 1-18	218-7 1-18	218-7 ¹ / ₄ 1-18	218-7 ¹ / ₄ 1-18	218-7 ¹ / ₄ 1-18	218-7 ¹ / ₄ 1-18	218-7 ¹ / ₄ 1-18	218-7 ¹ / ₄ 1-18	218-7 ¹ / ₄ 1-18	218-7 ¹ / ₄ 1-18	218-7 ¹ / ₄ 1-18	218-7 ¹ / ₄ 1-18	
26	60	218-7 ¹ / ₄ 1-18	218-7 ¹ / ₄ 1-18	218-7 ¹ / ₄ 1-18	218-7 ¹ / ₄ 1-18	218-7 ¹ / ₄ 1-18	218-7 ¹ / ₂ 1-18	218-7 ¹ / ₂ 1-18	218-7 ¹ / ₂ 1-18	218-7 ¹ / ₂ 1-18	218-7 ¹ / ₂ 1-18	218-7 ¹ / ₂ 1-18	218-7 ¹ / ₂ 1-18	218-7 ¹ / ₂ 1-18	
28.2	65	218-7 ³ / ₄ 1-18	218-7 ³ / ₄ 1-18	218-7 ³ / ₄ 1-18	218-7 ³ / ₄ 1-18	218-7 ³ / ₄ 1-18	218-7 ³ / ₄ 1-18	218-7 ³ / ₄ 1-18	218-7 ³ / ₄ 1-18	218-7 ³ / ₄ 1-18	218-7 ³ / ₄ 1-18	218-7 ³ / ₄ 1-18	218-7 ³ / ₄ 1-18	218-7 ³ / ₄ 1-18	
30.3	70	218-7 ³ / ₄ 1-18	218-7 ³ / ₄ 1-18	218-7 ³ / ₄ 1-18	218-8 1-18	218-8 1-18	218-8 1-18	218-8 1-18	218-8 1-18	218-8 1-18	218-8 1-18	218-8 1-18	218-8 1-18	218-8 1-18	
32.5	75	216-4 ¹ / ₂ 3-36	216-4 ¹ / ₂ 3-36	216-4 ¹ / ₂ 3-36	216-4 ¹ / ₂ 3-36	216-4 ¹ / ₂ 3-36	216-4 ¹ / ₂ 3-36	216-4 ¹ / ₂ 3-36	216-4 ¹ / ₂ 3-36	216-4 ¹ / ₂ 3-36	216-4 ¹ / ₂ 3-36	216-4 ¹ / ₂ 3-36	216-4 ¹ / ₂ 3-36	216-4 ¹ / ₂ 3-36	
34.7	80	216-4 ¹ / ₂ 3-36	216-4 ¹ / ₂ 3-36	216-4 ¹ / ₂ 3-36	216-4 ¹ / ₂ 3-36	216-4 ¹ / ₂ 3-36	216-4 ¹ / ₂ 3-36	216-4 ¹ / ₂ 3-36	216-4 ¹ / ₂ 3-36	216-4 ¹ / ₂ 3-36	216-4 ¹ / ₂ 3-36	216-4 ¹ / ₂ 3-36	216-4 ¹ / ₂ 3-36	216-4 ¹ / ₂ 3-36	

Head Capacity Curve Chart

Recommendations are based on water at room temperature with specific gravity of 1.0.

B Pressure in Lb./Sq.In.	A Head in Feet	C → U.S. GALLONS PER MINUTE												
		4	8	12	16	20	30	40	50	60	70	80	100	120
		POUNDS PER HOUR												
		2,000	4,000	6,000	8,000	10,000	15,000	20,000	25,000	30,000	35,000	40,000	50,000	60,000
36.8	85	216-4 ¹ / ₂ 3-36	216-4 ¹ / ₂ 3-36	216-4 ¹ / ₂ 3-36	216-4 ¹ / ₂ 3-36	216-4 ¹ / ₂ 3-36	216-4 ³ / ₄ 3-36	216-4 ³ / ₄ 3-36	216-4 ³ / ₄ 3-36	4410-9 7 ¹ / ₂ -18	4410-9 7 ¹ / ₂ -18	4410-9 7 ¹ / ₂ -18	4410-9 7 ¹ / ₂ -18	4410-9 7 ¹ / ₂ -18
39	90	216-4 ³ / ₄ 3-36	216-4 ³ / ₄ 3-36	216-4 ³ / ₄ 3-36	216-4 ³ / ₄ 3-36	216-4 ³ / ₄ 3-36	216-4 ³ / ₄ 3-36	216-4 ³ / ₄ 3-36	216-4 ³ / ₄ 3-36	4410-9 7 ¹ / ₂ -18	4410-9 7 ¹ / ₂ -18	4410-9 7 ¹ / ₂ -18	4410-9 7 ¹ / ₂ -18	4410-9 7 ¹ / ₂ -18
41.2	95	216-4 ³ / ₄ 3-36	216-4 ³ / ₄ 3-36	216-4 ³ / ₄ 3-36	216-4 ³ / ₄ 3-36	216-4 ³ / ₄ 3-36	216-5 3-36	216-5 3-36	216-5 3-36	4410-9 ¹ / ₄ 7 ¹ / ₂ -18	4410-9 ¹ / ₄ 7 ¹ / ₂ -18	4410-9 ¹ / ₄ 7 ¹ / ₂ -18	4410-9 ¹ / ₄ 7 ¹ / ₂ -18	4410-9 ¹ / ₄ 10-18
43.3	100	216-5 3-36	216-5 3-36	216-5 3-36	216-5 3-36	216-5 3-36	216-5 3-36	216-5 3-36	216-5 3-36	4410-9 ¹ / ₂ 10-18	4410-9 ¹ / ₂ 10-18	4410-9 ¹ / ₂ 10-18	4410-9 ¹ / ₂ 10-18	4410-9 ¹ / ₂ 10-18
45.4	105	216-5 3-36	216-5 3-36	216-5 3-36	216-5 3-36	216-5 3-36	216-5 3-36	216-5 3-36	216-5 ¹ / ₄ 5-36	216-5 ¹ / ₄ 5-36	216-5 ¹ / ₄ 5-36	216-5 ¹ / ₄ 5-36	216-5 ¹ / ₄ 5-36	216-5 ¹ / ₄ 5-36
47.6	110	216-5 ¹ / ₄ 3-36	216-5 ¹ / ₄ 3-36	216-5 ¹ / ₄ 3-36	216-5 ¹ / ₄ 3-36	216-5 ¹ / ₄ 3-36	216-5 ¹ / ₄ 3-36	216-5 ¹ / ₄ 3-36	216-5 ¹ / ₄ 5-36	216-5 ¹ / ₄ 5-36	216-5 ¹ / ₄ 5-36	216-5 ¹ / ₄ 5-36	216-5 ¹ / ₄ 5-36	216-5 ¹ / ₂ 7 ¹ / ₂ -36
49.8	115	216-5 ¹ / ₄ 3-36*	216-5 ¹ / ₄ 3-36*	216-5 ¹ / ₄ 3-36	216-5 ¹ / ₄ 3-36	216-5 ¹ / ₄ 3-36	216-5 ¹ / ₄ 5-36	216-5 ¹ / ₄ 5-36	216-5 ¹ / ₄ 5-36	216-5 ¹ / ₄ 5-36	216-5 ¹ / ₄ 5-36	216-5 ¹ / ₄ 5-36	216-5 ¹ / ₂ 7 ¹ / ₂ -36	216-5 ¹ / ₂ 7 ¹ / ₂ -36
52	120	216-5 ¹ / ₄ 3-36*	216-5 ¹ / ₄ 3-36*	216-5 ¹ / ₄ 3-36	216-5 ¹ / ₄ 3-36	216-5 ¹ / ₄ 3-36	216-5 ¹ / ₂ 5-36	216-5 ¹ / ₂ 5-36	216-5 ¹ / ₂ 5-36	216-5 ¹ / ₂ 5-36	216-5 ¹ / ₂ 5-36	216-5 ¹ / ₂ 5-36	216-5 ¹ / ₂ 7 ¹ / ₂ -36	216-5 ¹ / ₂ 7 ¹ / ₂ -36
54.1	125	216-5 ¹ / ₂ 3-36*	216-5 ¹ / ₂ 3-36*	216-5 ¹ / ₂ 3-36*	216-5 ¹ / ₂ 5-36*	216-5 ¹ / ₂ 5-36*	216-5 ¹ / ₂ 5-36	216-5 ¹ / ₂ 5-36	216-5 ¹ / ₂ 5-36	216-5 ¹ / ₂ 5-36	216-5 ¹ / ₂ 5-36	216-5 ¹ / ₂ 5-36	216-5 ¹ / ₂ 7 ¹ / ₂ -36	216-5 ¹ / ₂ 7 ¹ / ₂ -36
56.3	130	216-5 ¹ / ₂ 3-36*	216-5 ¹ / ₂ 3-36*	216-5 ¹ / ₂ 3-36*	216-5 ¹ / ₂ 5-36*	216-5 ¹ / ₂ 5-36*	216-5 ¹ / ₂ 5-36	216-5 ¹ / ₂ 5-36	216-5 ¹ / ₂ 5-36	216-5 ¹ / ₂ 5-36	216-5 ¹ / ₂ 5-36	216-5 ¹ / ₂ 5-36	216-5 ³ / ₄ 7 ¹ / ₂ -36	216-5 ³ / ₄ 7 ¹ / ₂ -36
58.4	135	216-5 ¹ / ₂ 3-36*	216-5 ¹ / ₂ 3-36*	216-5 ¹ / ₂ 3-36*	216-5 ¹ / ₂ 5-36*	216-5 ¹ / ₂ 5-36*	216-5 ¹ / ₂ 5-36	216-5 ¹ / ₂ 5-36	216-5 ¹ / ₂ 5-36	216-5 ¹ / ₂ 5-36	216-5 ¹ / ₂ 5-36	216-5 ¹ / ₂ 5-36	216-5 ³ / ₄ 7 ¹ / ₂ -36	216-5 ³ / ₄ 7 ¹ / ₂ -36
60.6	140	216-5 ³ / ₄ 5-36*	216-5 ³ / ₄ 5-36*	216-5 ³ / ₄ 5-36*	216-5 ³ / ₄ 5-36*	216-5 ³ / ₄ 5-36*	216-5 ³ / ₄ 5-36*	216-5 ³ / ₄ 5-36*	216-5 ³ / ₄ 5-36	216-5 ³ / ₄ 7 ¹ / ₂ -36	216-5 ³ / ₄ 7 ¹ / ₂ -36	216-5 ³ / ₄ 7 ¹ / ₂ -36	216-5 ³ / ₄ 7 ¹ / ₂ -36	216-5 ³ / ₄ 7 ¹ / ₂ -36
65	150	216-5 ³ / ₄ 5-36*	216-5 ³ / ₄ 5-36*	216-5 ³ / ₄ 5-36*	216-5 ³ / ₄ 5-36*	216-5 ³ / ₄ 5-36*	216-5 ³ / ₄ 5-36*	216-5 ³ / ₄ 5-36*	216-5 ³ / ₄ 5-36	216-6 7 ¹ / ₂ -36	216-6 7 ¹ / ₂ -36	216-6 7 ¹ / ₂ -36	216-6 7 ¹ / ₂ -36	216-6 10-36
69.3	160	216-6 5-36	216-6 5-36	216-6 5-36	216-6 5-36	216-6 5-36	216-6 5-36	216-6 7 ¹ / ₂ -36	216-6 7 ¹ / ₂ -36	216-6 7 ¹ / ₂ -36	216-6 7 ¹ / ₂ -36	216-6 7 ¹ / ₂ -36	216-6 7 ¹ / ₂ -36	216-6 10-36
73.6	170	218-6 ¹ / ₄ 5-36	218-6 ¹ / ₄ 5-36	218-6 ¹ / ₄ 5-36	218-6 ¹ / ₄ 5-36	218-6 ¹ / ₄ 5-36	218-6 ¹ / ₄ 5-36	218-6 ¹ / ₄ 5-36	218-6 ¹ / ₄ 5-36	218-6 ¹ / ₂ 7 ¹ / ₂ -36	218-6 ¹ / ₂ 7 ¹ / ₂ -36	218-6 ¹ / ₂ 7 ¹ / ₂ -36	218-6 ¹ / ₂ 10-36	218-6 ¹ / ₂ 10-36
78	180	218-6 ¹ / ₂ 5-36	218-6 ¹ / ₂ 5-36	218-6 ¹ / ₂ 5-36	218-6 ¹ / ₂ 5-36	218-6 ¹ / ₂ 5-36	218-6 ¹ / ₂ 7 ¹ / ₂ -36	218-6 ¹ / ₂ 7 ¹ / ₂ -36	218-6 ¹ / ₂ 7 ¹ / ₂ -36	218-6 ¹ / ₂ 7 ¹ / ₂ -36	218-6 ¹ / ₂ 7 ¹ / ₂ -36	218-6 ¹ / ₂ 10-36	218-6 ³ / ₄ 10-36	218-6 ³ / ₄ 10-36
82.2	190	218-6 ¹ / ₂ 5-36	218-6 ¹ / ₂ 5-36	218-6 ¹ / ₂ 5-36	218-6 ¹ / ₂ 5-36	218-6 ¹ / ₂ 5-36	218-6 ³ / ₄ 7 ¹ / ₂ -36	218-6 ³ / ₄ 7 ¹ / ₂ -36	218-6 ³ / ₄ 7 ¹ / ₂ -36	218-6 ³ / ₄ 7 ¹ / ₂ -36	218-6 ³ / ₄ 10-36	218-6 ³ / ₄ 10-36	218-6 ³ / ₄ 10-36	218-7 15-36
86.6	200	218-6 ³ / ₄ 5-36	218-6 ³ / ₄ 5-36	218-6 ³ / ₄ 7 ¹ / ₂ -36	218-6 ³ / ₄ 7 ¹ / ₂ -36	218-6 ³ / ₄ 7 ¹ / ₂ -36	218-6 ³ / ₄ 7 ¹ / ₂ -36	218-6 ³ / ₄ 7 ¹ / ₂ -36	218-6 ³ / ₄ 7 ¹ / ₂ -36	218-7 10-36	218-7 10-36	218-7 10-36	218-7 15-36	218-7 15-36
91	210	218-7 7 ¹ / ₂ -36	218-7 7 ¹ / ₂ -36	218-7 7 ¹ / ₂ -36	218-7 7 ¹ / ₂ -36	218-7 7 ¹ / ₂ -36	218-7 7 ¹ / ₂ -36	218-7 7 ¹ / ₂ -36	218-7 10-36	218-7 10-36	218-7 10-36	218-7 10-36	218-7 15-36	218-7 ¹ / ₄ 15-36
95.2	220	218-7 7 ¹ / ₂ -36	218-7 7 ¹ / ₂ -36	218-7 7 ¹ / ₂ -36	218-7 7 ¹ / ₂ -36	218-7 7 ¹ / ₂ -36	218-7 7 ¹ / ₂ -36	218-7 7 ¹ / ₂ -36	218-7 ¹ / ₄ 10-36	218-7 ¹ / ₄ 10-36	218-7 ¹ / ₄ 15-36	218-7 ¹ / ₄ 15-36	218-7 ¹ / ₄ 15-36	218-7 ¹ / ₄ 15-36
99.5	230	218-7 ¹ / ₄ 7 ¹ / ₂ -36	218-7 ¹ / ₄ 7 ¹ / ₂ -36	218-7 ¹ / ₄ 7 ¹ / ₂ -36	218-7 ¹ / ₄ 7 ¹ / ₂ -36	218-7 ¹ / ₄ 7 ¹ / ₂ -36	218-7 ¹ / ₄ 10-36	218-7 ¹ / ₄ 10-36	218-7 ¹ / ₄ 10-36	218-7 ¹ / ₄ 10-36	218-7 ¹ / ₄ 15-36	218-7 ¹ / ₄ 15-36	218-7 ¹ / ₂ 15-36	218-7 ¹ / ₂ 15-36
104	240	218-7 ¹ / ₄ 7 ¹ / ₂ -36	218-7 ¹ / ₄ 7 ¹ / ₂ -36	218-7 ¹ / ₄ 7 ¹ / ₂ -36	218-7 ¹ / ₄ 7 ¹ / ₂ -36	218-7 ¹ / ₄ 7 ¹ / ₂ -36	218-7 ¹ / ₂ 10-36	218-7 ¹ / ₂ 10-36	218-7 ¹ / ₂ 10-36	218-7 ¹ / ₂ 15-36	218-7 ¹ / ₂ 15-36	218-7 ¹ / ₂ 15-36	218-7 ¹ / ₂ 15-36	218-7 ¹ / ₂ 15-36
108	250	218-7 ¹ / ₂ 7 ¹ / ₂ -36	218-7 ¹ / ₂ 7 ¹ / ₂ -36	218-7 ¹ / ₂ 10-36	218-7 ¹ / ₂ 10-36	218-7 ¹ / ₂ 10-36	218-7 ¹ / ₂ 10-36	218-7 ¹ / ₂ 10-36	218-7 ³ / ₄ 15-36	218-7 ³ / ₄ 15-36	218-7 ³ / ₄ 15-36	218-7 ³ / ₄ 15-36	218-7 ³ / ₄ 15-36	218-7 ³ / ₄ 20-36
112.5	260	218-7 ¹ / ₂ 7 ¹ / ₂ -36	218-7 ¹ / ₂ 7 ¹ / ₂ -36	218-7 ³ / ₄ 10-36	218-7 ³ / ₄ 10-36	218-7 ³ / ₄ 10-36	218-7 ³ / ₄ 10-36	218-7 ³ / ₄ 15-36	218-7 ³ / ₄ 15-36	218-7 ³ / ₄ 15-36	218-7 ³ / ₄ 15-36	218-7 ³ / ₄ 15-36	218-7 ³ / ₄ 15-36	218-7 ³ / ₄ 20-36
117	270	218-7 ³ / ₄ 10-36	218-7 ³ / ₄ 10-36	218-7 ³ / ₄ 10-36	218-7 ³ / ₄ 10-36	218-7 ³ / ₄ 10-36	218-7 ³ / ₄ 10-36	218-7 ³ / ₄ 15-36	218-7 ³ / ₄ 15-36	218-7 ³ / ₄ 15-36	218-7 ³ / ₄ 15-36	218-7 ³ / ₄ 15-36	218-7 ³ / ₄ 15-36	218-8 20-36
121	280	218-8* 15-36	218-8* 15-36	218-8* 15-36	218-8* 15-36	218-8* 15-36	218-8* 15-36	218-8* 15-36	218-8* 15-36	218-8* 15-36	218-8* 15-36	218-8* 15-36	218-8* 20-36	218-8* 20-36
126	290	218-8* 15-36	218-8* 15-36	218-8* 15-36	218-8* 15-36	218-8* 15-36	218-8* 15-36	218-8* 15-36	218-8* 15-36	218-8* 15-36	218-8* 15-36	218-8* 15-36	218-8* 20-36	218-8* 20-36
130	300	218-8* 15-36	218-8* 15-36	218-8* 15-36	218-8* 15-36	218-8* 15-36	218-8* 15-36	218-8* 15-36	218-8* 15-36	218-8* 15-36	218-8* 15-36	218-8* 15-36	218-8* 15-36	218-8* 15-36

*Recommendation is for C-Series Pump only.

Head Capacity Curve Graph

Size 114 Pumps

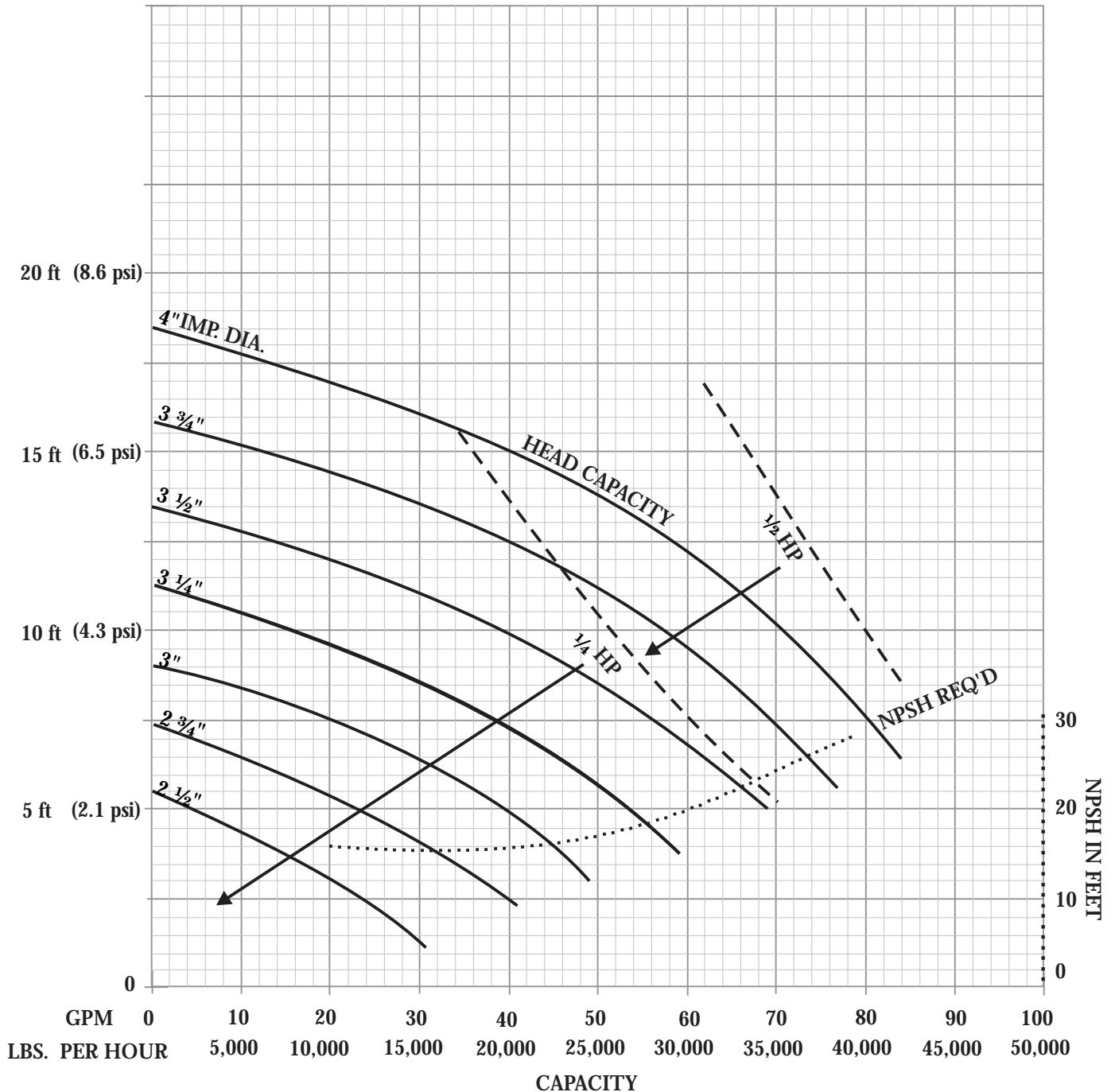
STANDARD INLET PUMP (Volute Type Casing)

For All Size 114 Pumps, Speed 1750 RPM

Inlet 1 1/2" – Outlet 1 1/2"

(See page 4 for instructions on using curve charts).

All curves are typical performance curves, not Certified, and should be applied for guideline purposes only.

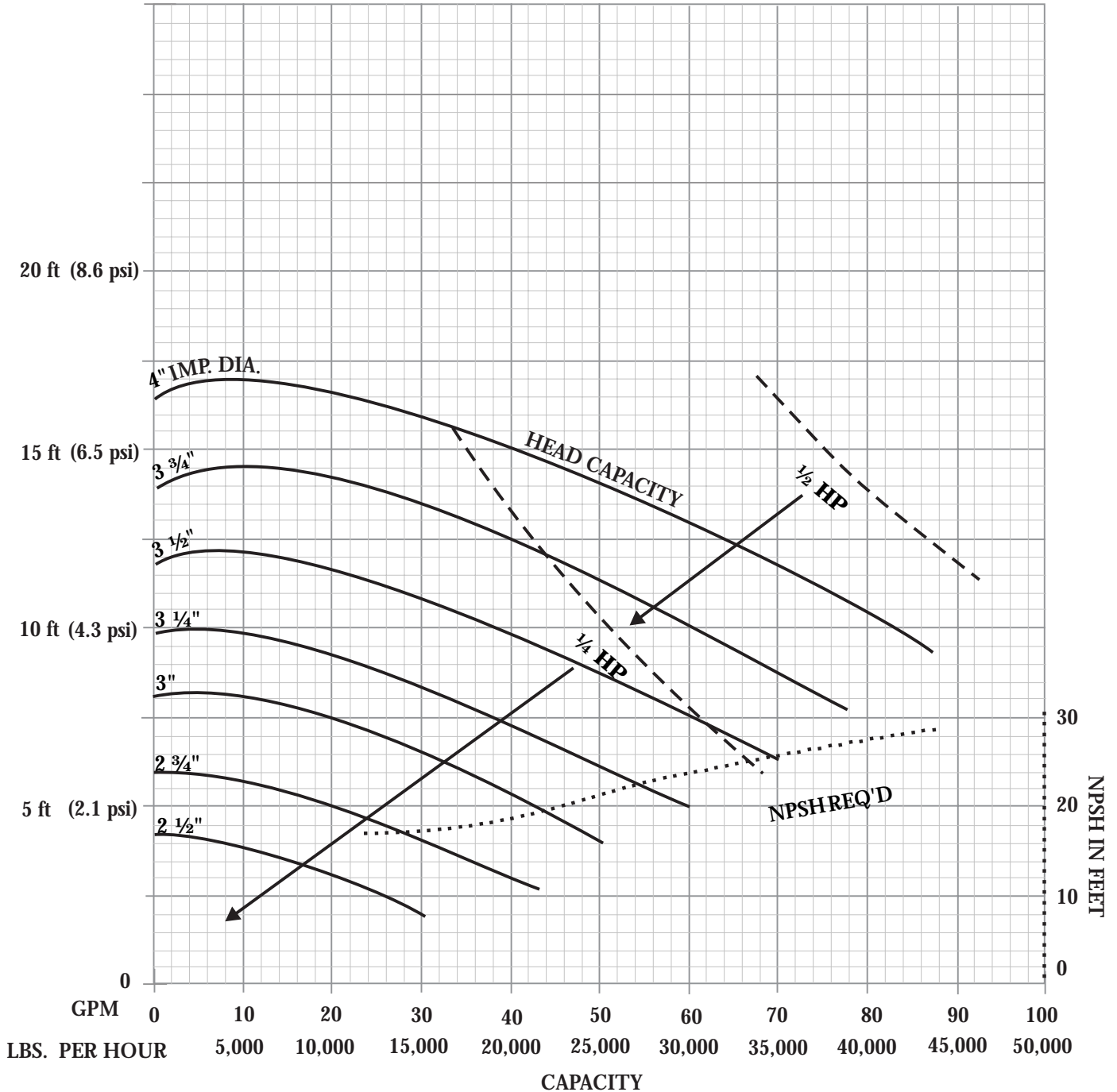


For vacuum withdrawal applications contact Tri-Clover Inc.

ENLARGED INLET PUMP (Volute Type Casing)

For All Size 114 Pumps, Speed 1750 RPM
Inlet 2" – Outlet 1½"

All curves are typical performance curves, not certified, and should be applied for guideline purposes only.



For vacuum withdrawal applications contact Tri-Clover Inc.

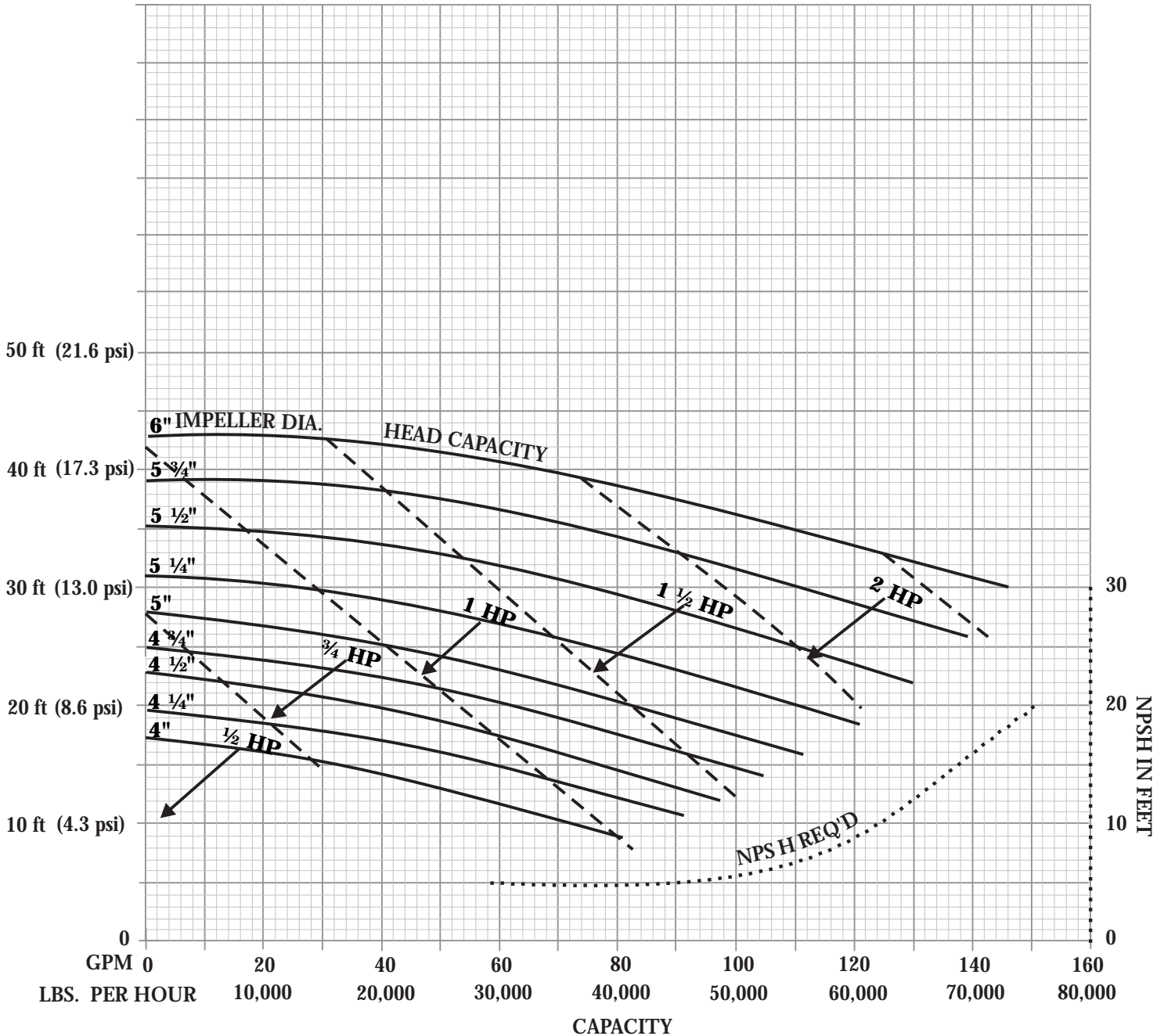
Head Capacity Curve Graph

Size 216 Pumps

STANDARD INLET PUMP (Volute Type Casing)

For All Size 216 Pumps, Speed 1750 RPM
Inlet 2" – Outlet 1½"

All curves are typical performance curves, not Certified, and should be applied for guideline purposes only.

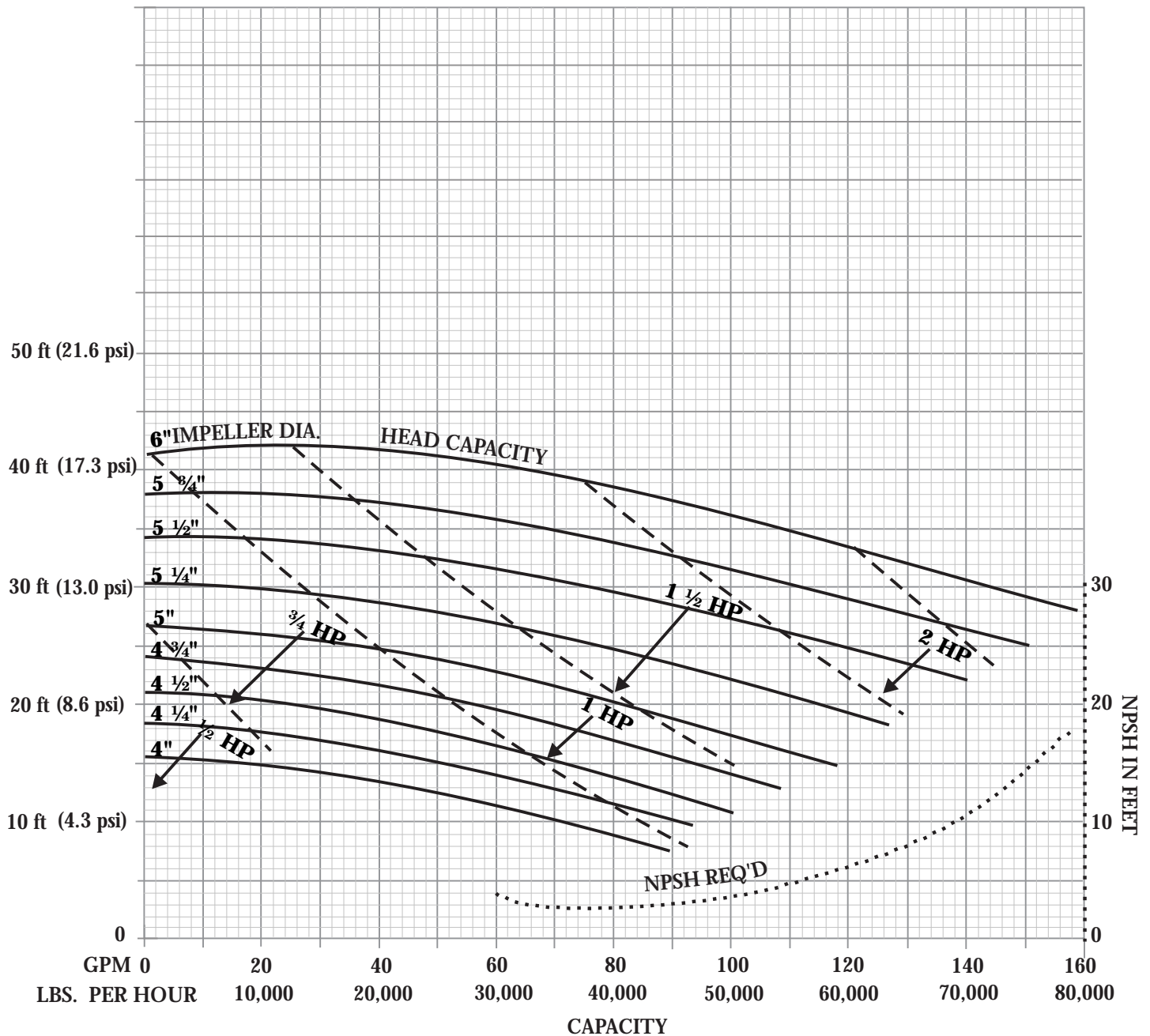


For vacuum withdrawal applications contact Tri-Clover Inc.

ENLARGED INLET PUMP (Volute Type Casing)

For All Size 216 Pumps, Speed 1750 RPM
Inlet 2½" – Outlet 1½"

All curves are typical performance curves, not Certified, and should be applied for guideline purposes only.



For vacuum withdrawal applications contact Tri-Clover Inc.

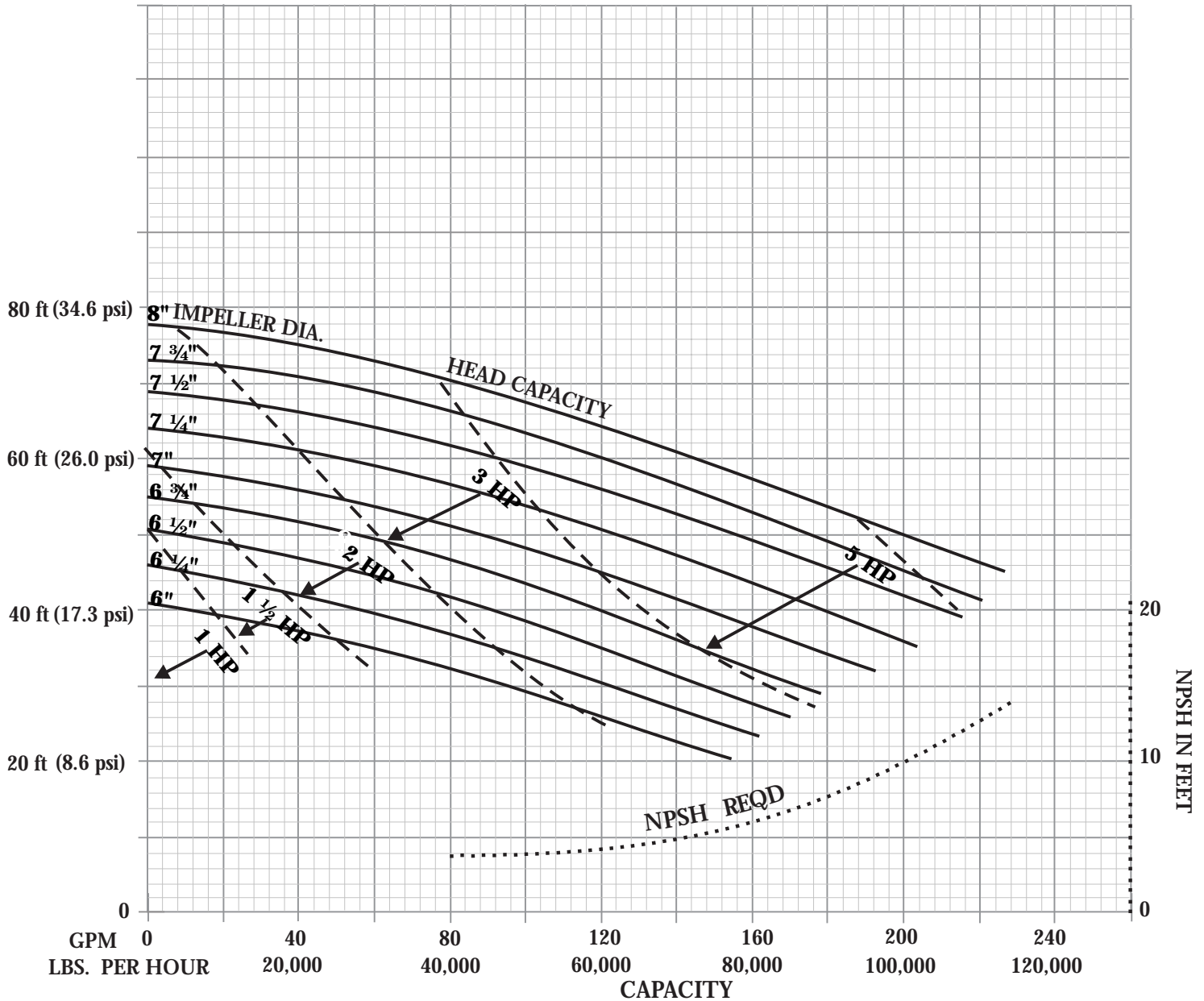
Head Capacity Curve Graph

Size 218 Pumps

STANDARD INLET PUMP (Volute Type Casing)

For All Size 218 Pumps, Speed 1750 RPM
Inlet 2" – Outlet 1½"

All curves are typical performance curves, not Certified, and should be applied for guideline purposes only.

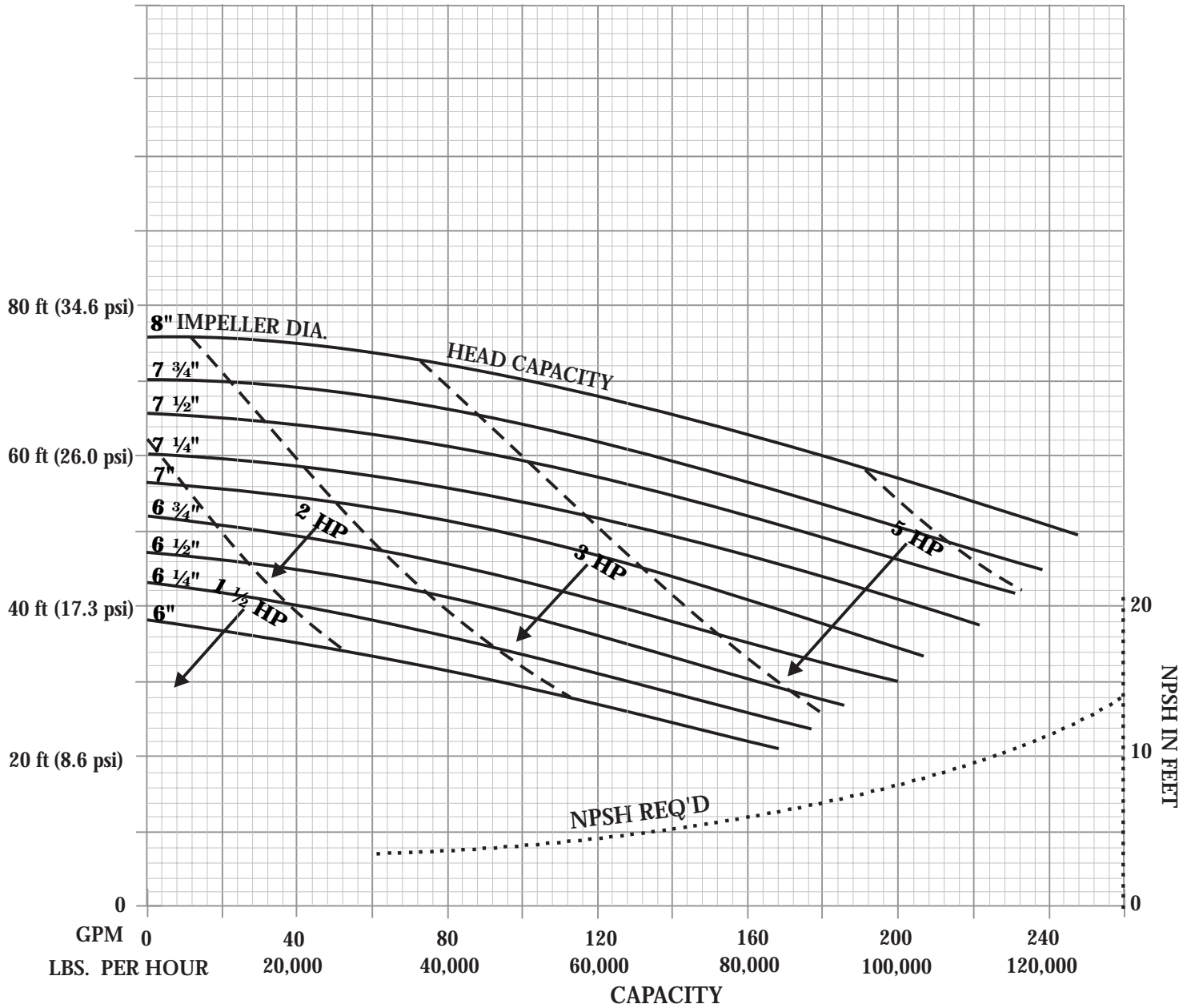


For vacuum withdrawal applications contact Tri-Clover Inc.

ENLARGED INLET PUMP (Volute Type Casing)

For All Size 218 Pumps, Speed 1750 RPM
Inlet 3" – Outlet 1½"

All curves are typical performance curves, not Certified, and should be applied for guideline purpose only.



For vacuum withdrawal applications contact Tri-Clover Inc.

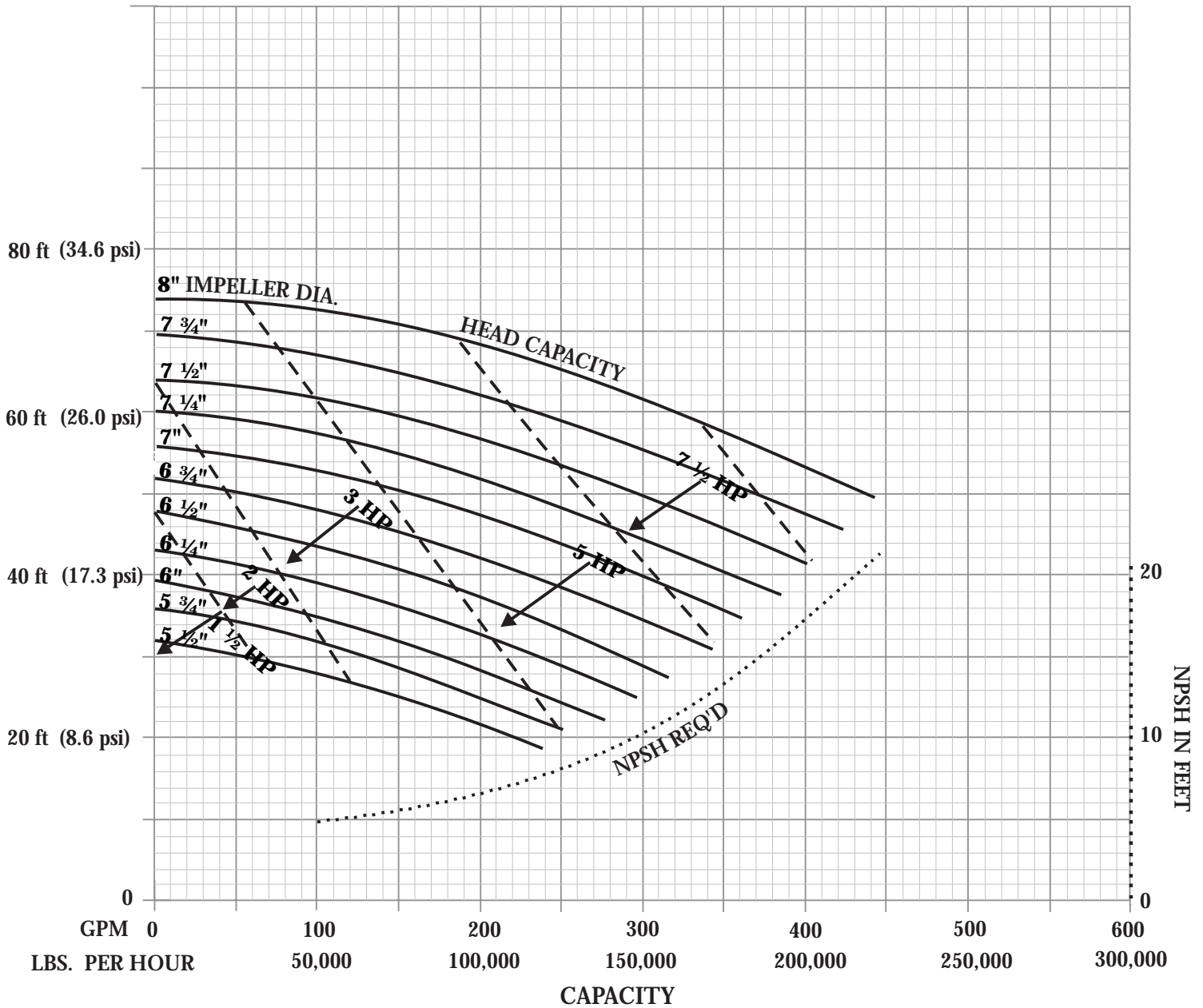
Head Capacity Curve Graph

Size 328 Pumps

**STANDARD INLET PUMP
(Volute Type Casing)**

**For All Size 328 Pumps, Speed 1750 RPM
Inlet 3" – Outlet 2"**

All curves are typical performance curves, not Certified, and should be applied for guideline purposes only.

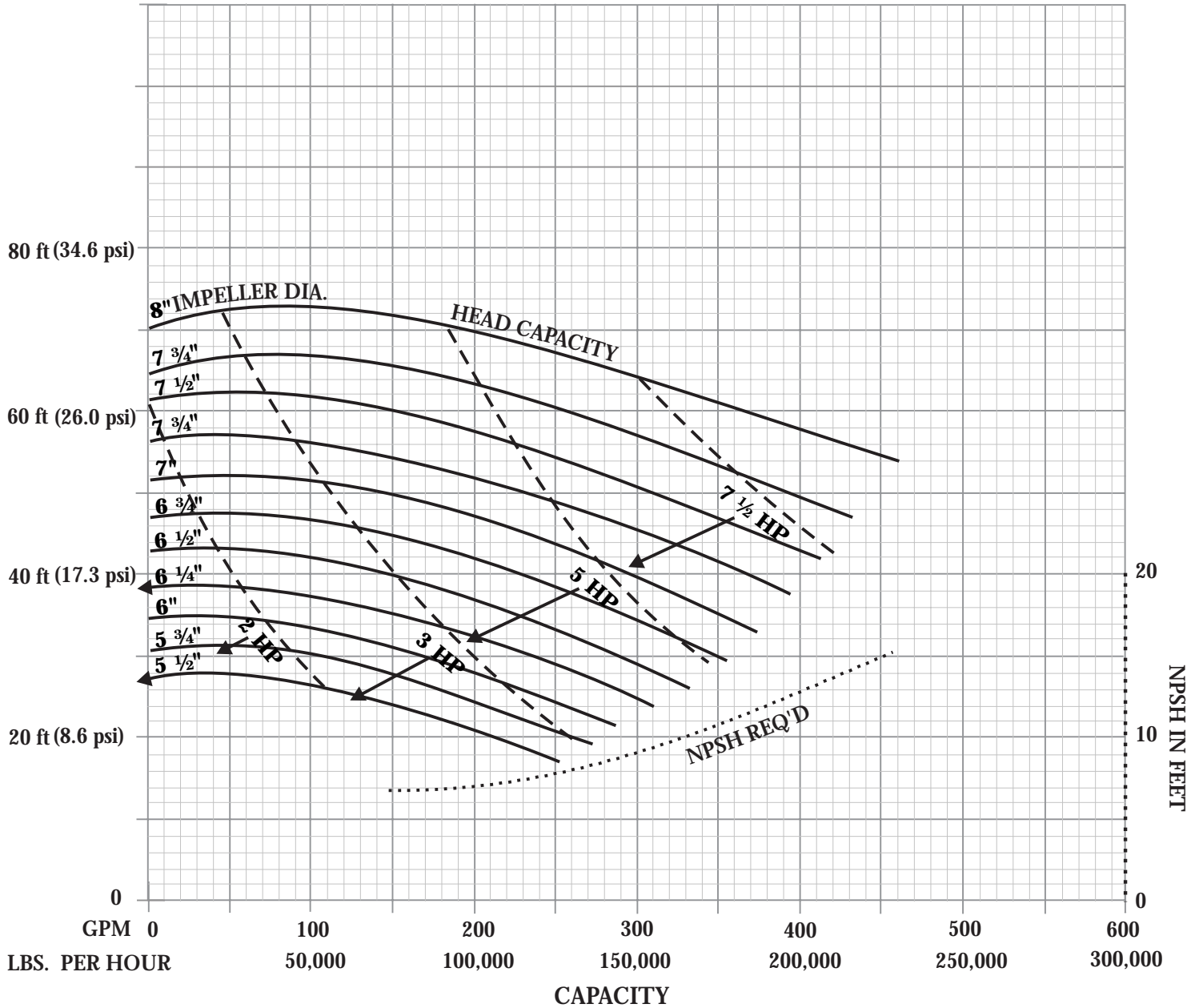


For vacuum withdrawal applications contact Tri-Clover Inc.

ENLARGED INLET PUMP (Volute Type Casing)

For All Size 328 Pumps, Speed 1750 RPM
Inlet 4" – Outlet 2"

All curves are typical performance curves, not Certified, and should be applied for guideline purposes only.



For vacuum withdrawal applications contact Tri-Clover Inc.

Head Capacity Curve Graph

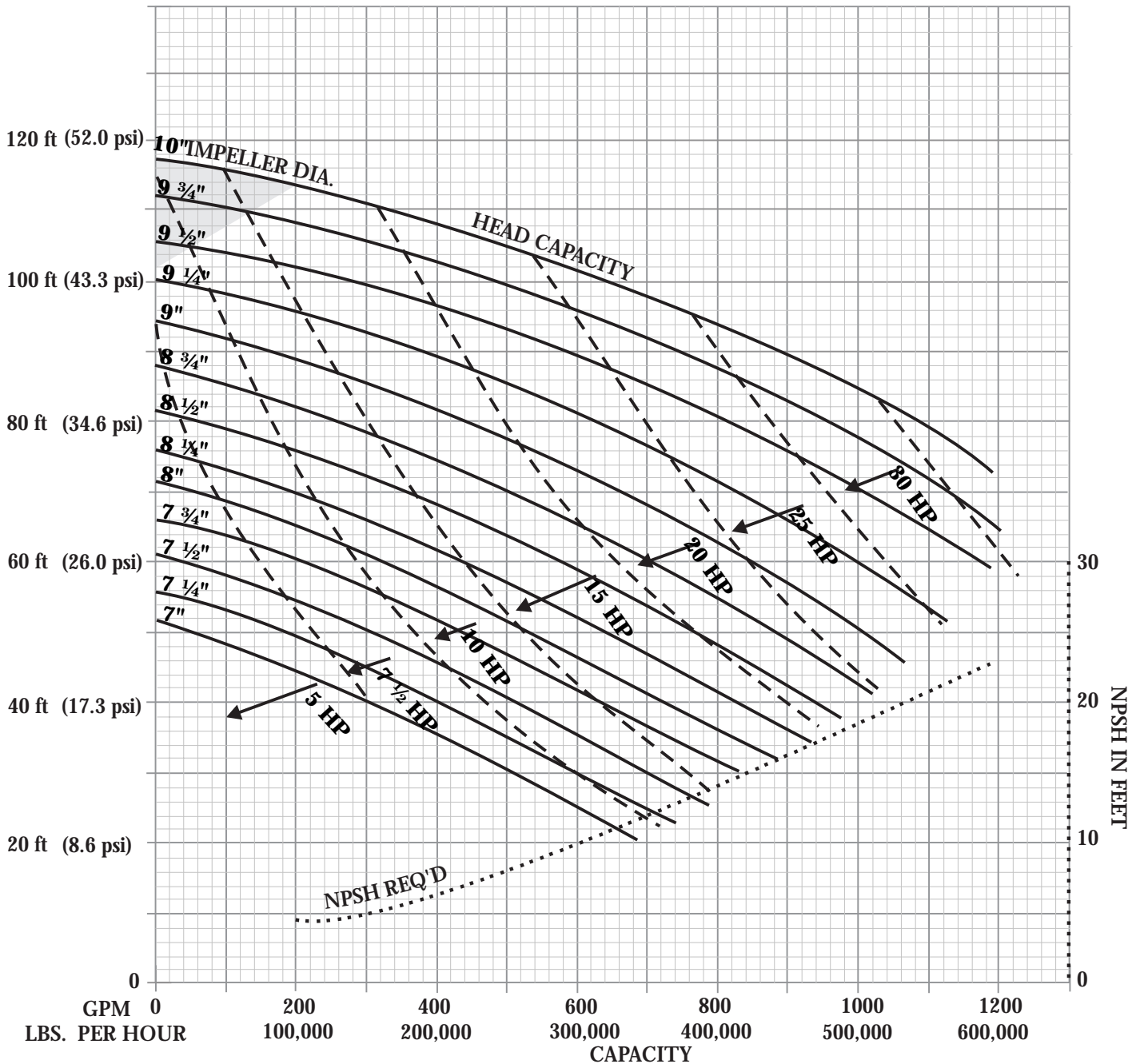
Size 4410 Pumps

**STANDARD INLET PUMP
(Volute Type Casing)**

**For All Size 4410 Pumps, Speed 1750 RPM
Inlet 4" – Outlet 4"**

All curves are typical performance curves, not Certified, and should be applied for guideline purposes only.

IMPORTANT: Contact Tri-Clover for guidance if application falls in shaded area.



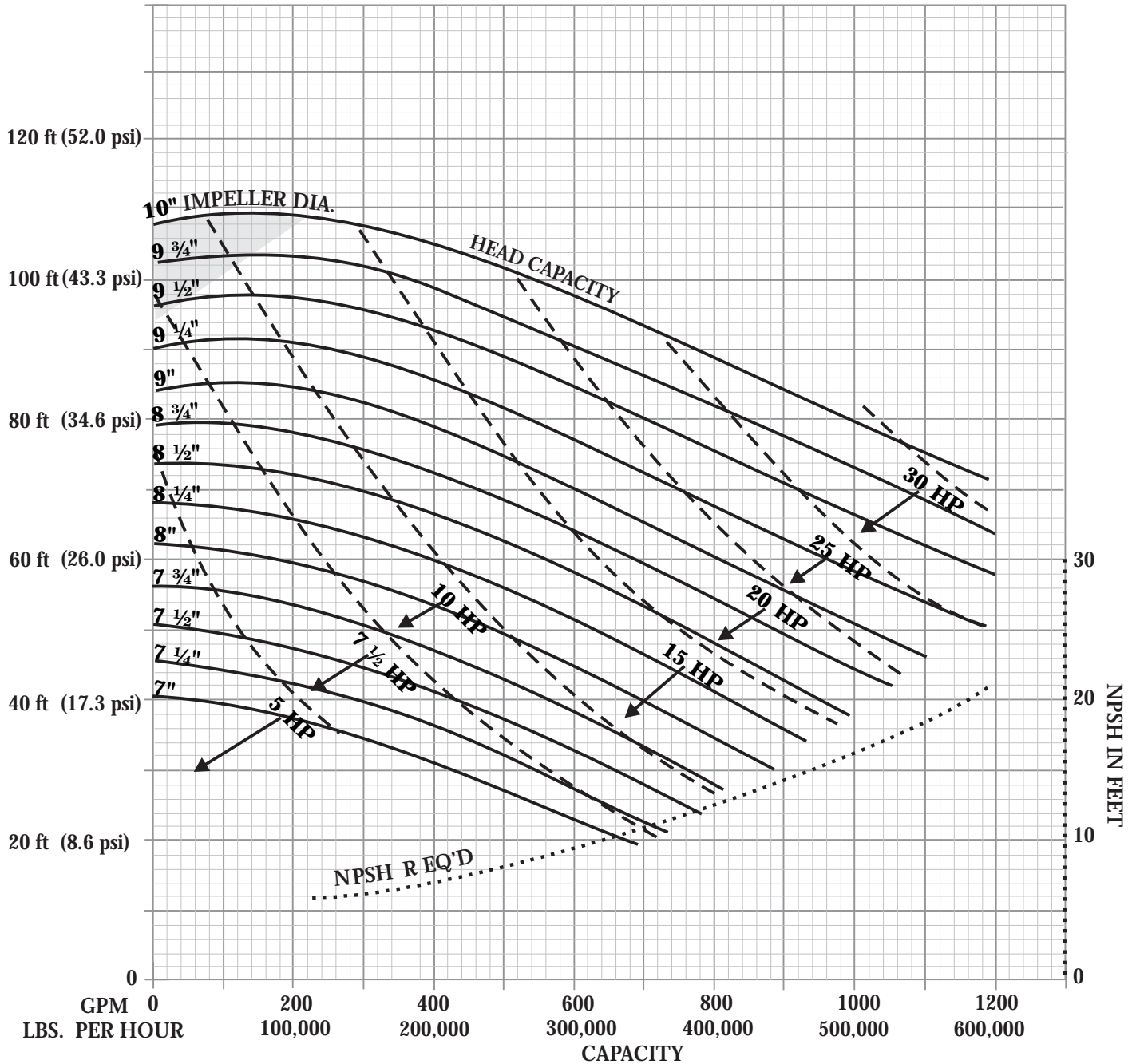
For vacuum withdrawal applications contact Tri-Clover Inc.

ENLARGED INLET PUMP (Volute Type Casing)

For All Size 4410 Pumps, Speed 1750 RPM
Inlet 6" – Outlet 4"*

All curves are typical performance curves, not Certified, and should be applied for guideline purposes only.

IMPORTANT: Contact Tri-Clover for guidance if application falls in shaded area.



*Pump supplied with 6" x 5" eccentric reducer on inlet (casing inlet is 5"). Information on full 6" inlet available on application
For vacuum withdrawal applications contact Tri-Clover Inc.

Head Capacity Curve Graph

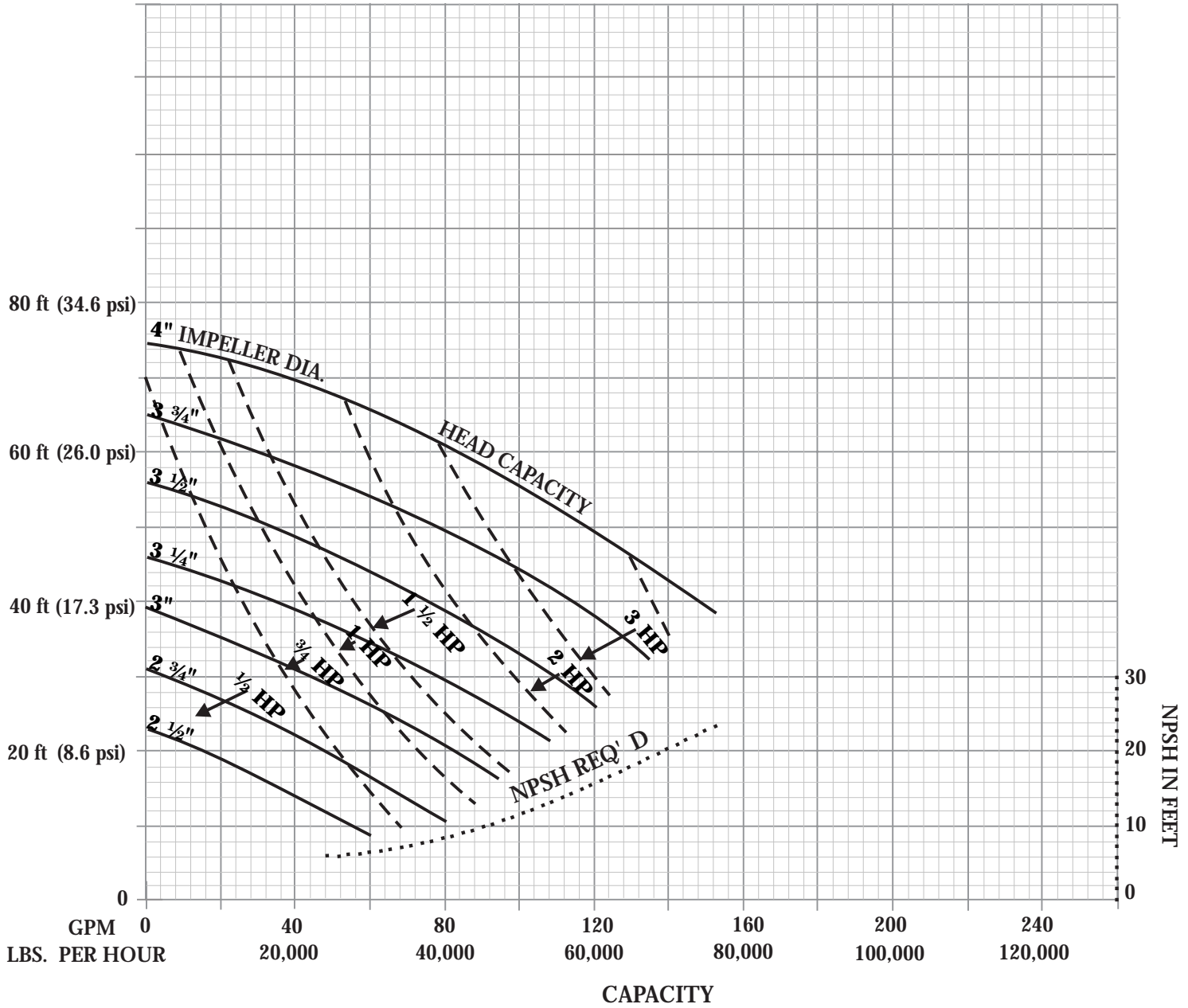
Size 114 Pumps

**STANDARD INLET PUMP
(Volute Type Casing)**

For All Size 114 Pumps, Speed 3500 RPM

Inlet 1½" – Outlet 1½"

All curves are typical performance curves, not Certified, and should be applied for guideline purposes only.

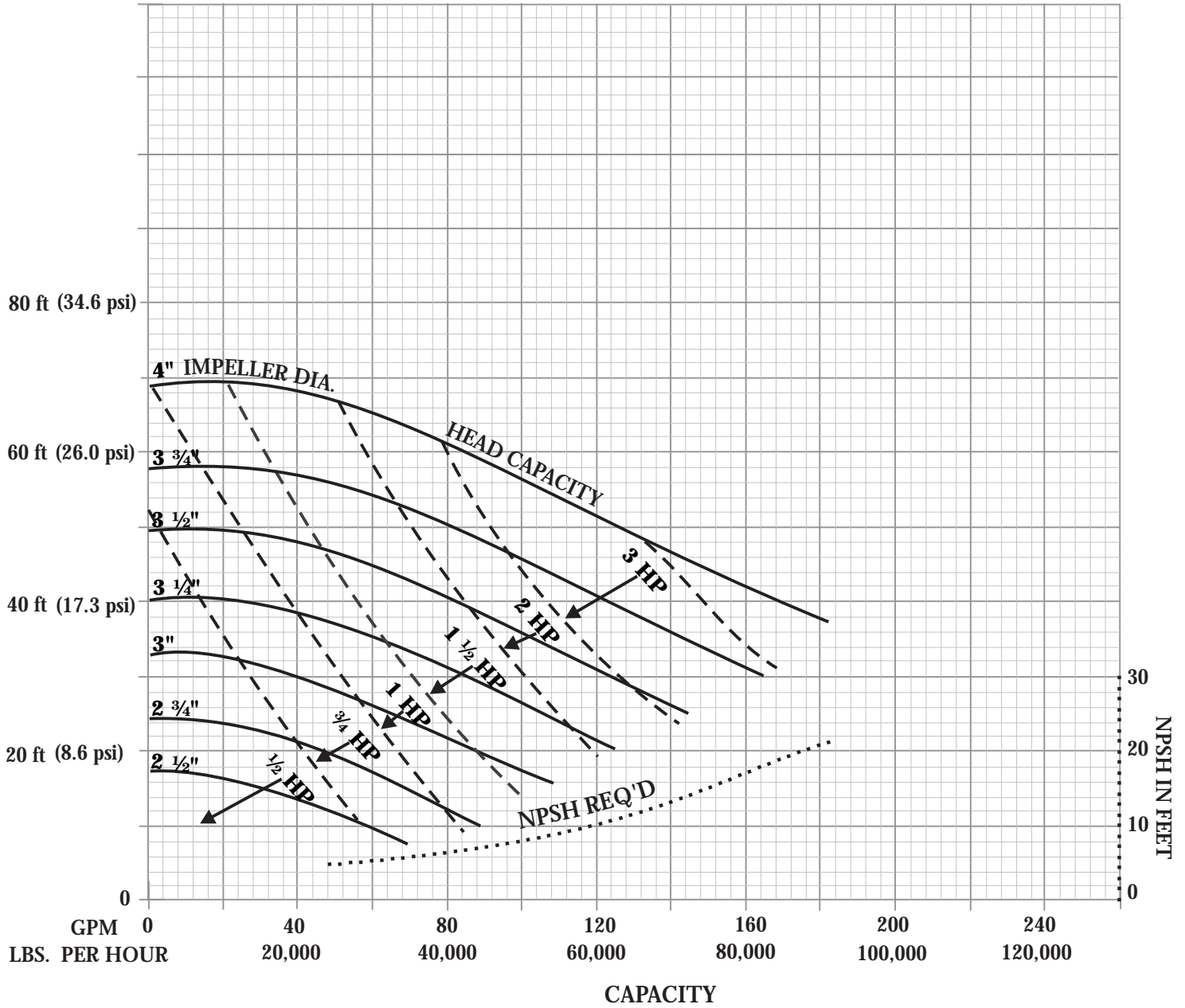


For vacuum withdrawal applications contact Tri-Clover Inc.

ENLARGED INLET PUMP (Volute Type Casing)

For All Size 114 Pumps, Speed 3500 RPM
Inlet 2" – Outlet 1½"

All curves are typical performance curves, not Certified, and should not be applied for guideline purposes only.



For vacuum withdrawal applications contact Tri-Clover Inc.

Head Capacity Curve Graph

Size 216 Pumps

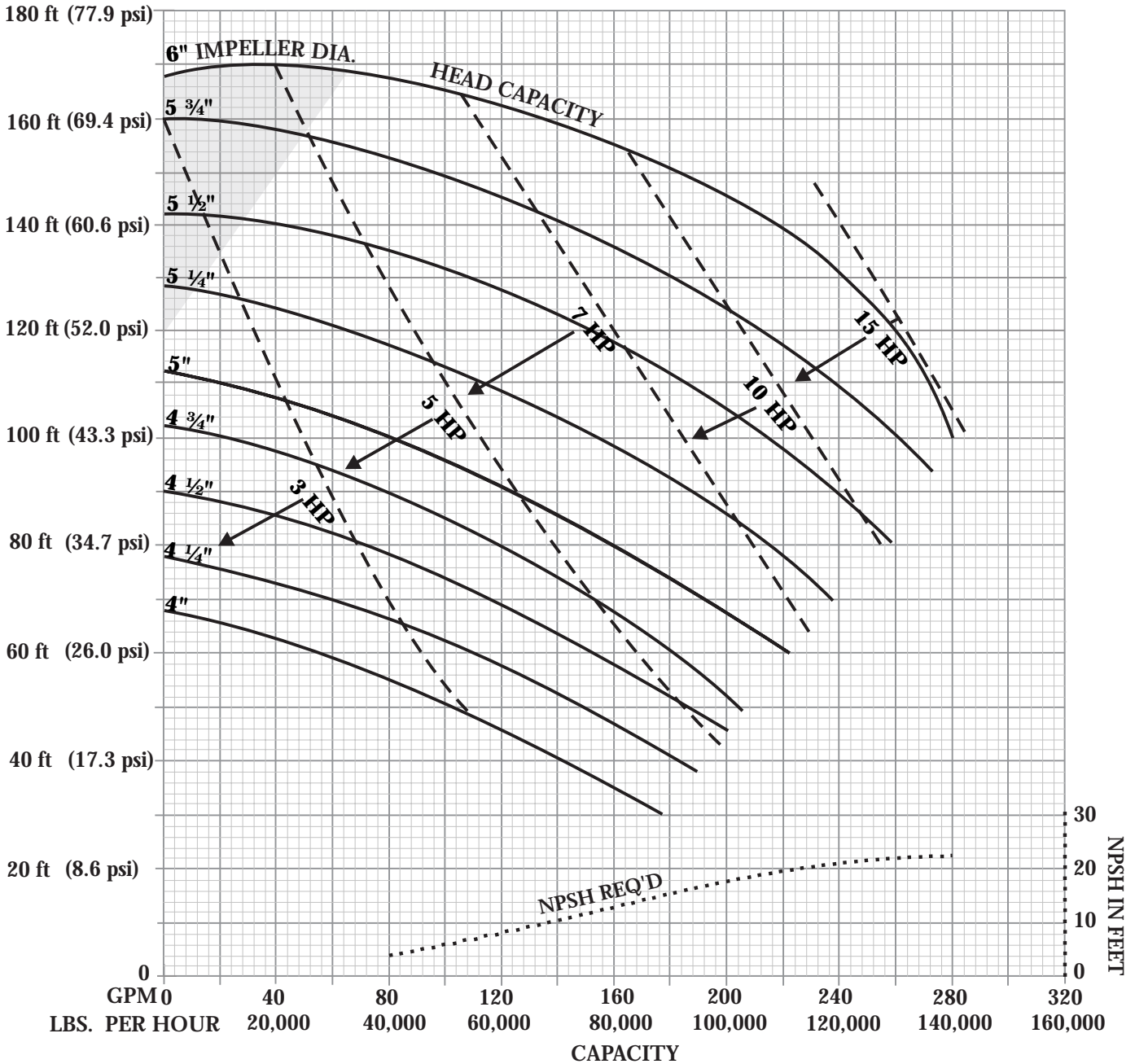
STANDARD INLET PUMP (Volute Type Casing)

For All Size 216 Pumps, Speed 3500 RPM

Inlet 2" – Outlet 1½"

All curves are typical performance curves, not Certified, and should be applied for guideline purposes only.

If application falls in shaded area – use only a C-Series Pump.



For vacuum withdrawal applications contact Tri-Clover Inc.

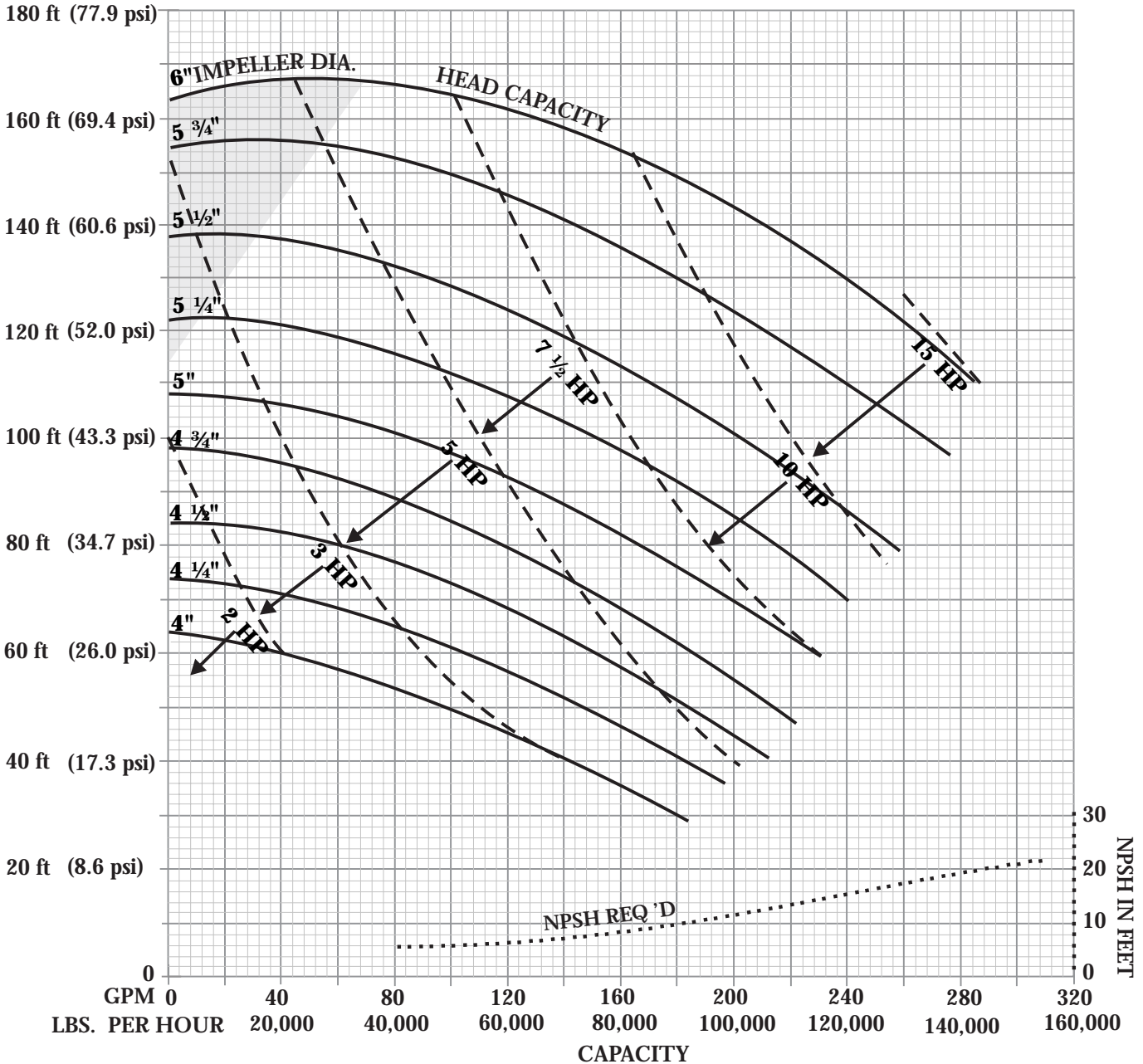
ENLARGED INLET PUMP (Volute Type Casing)

For All Size 216 Pumps, Speed 3500 RPM

Inlet 2 1/2" – Outlet 1 1/2"

All curves are typical performance curves, not Certified, and should be applied for guideline purposes only.

If application falls in shaded area – use only a C-Series Pump.



For vacuum withdrawal applications contact Tri-Clover Inc.

Head Capacity Curve Graph

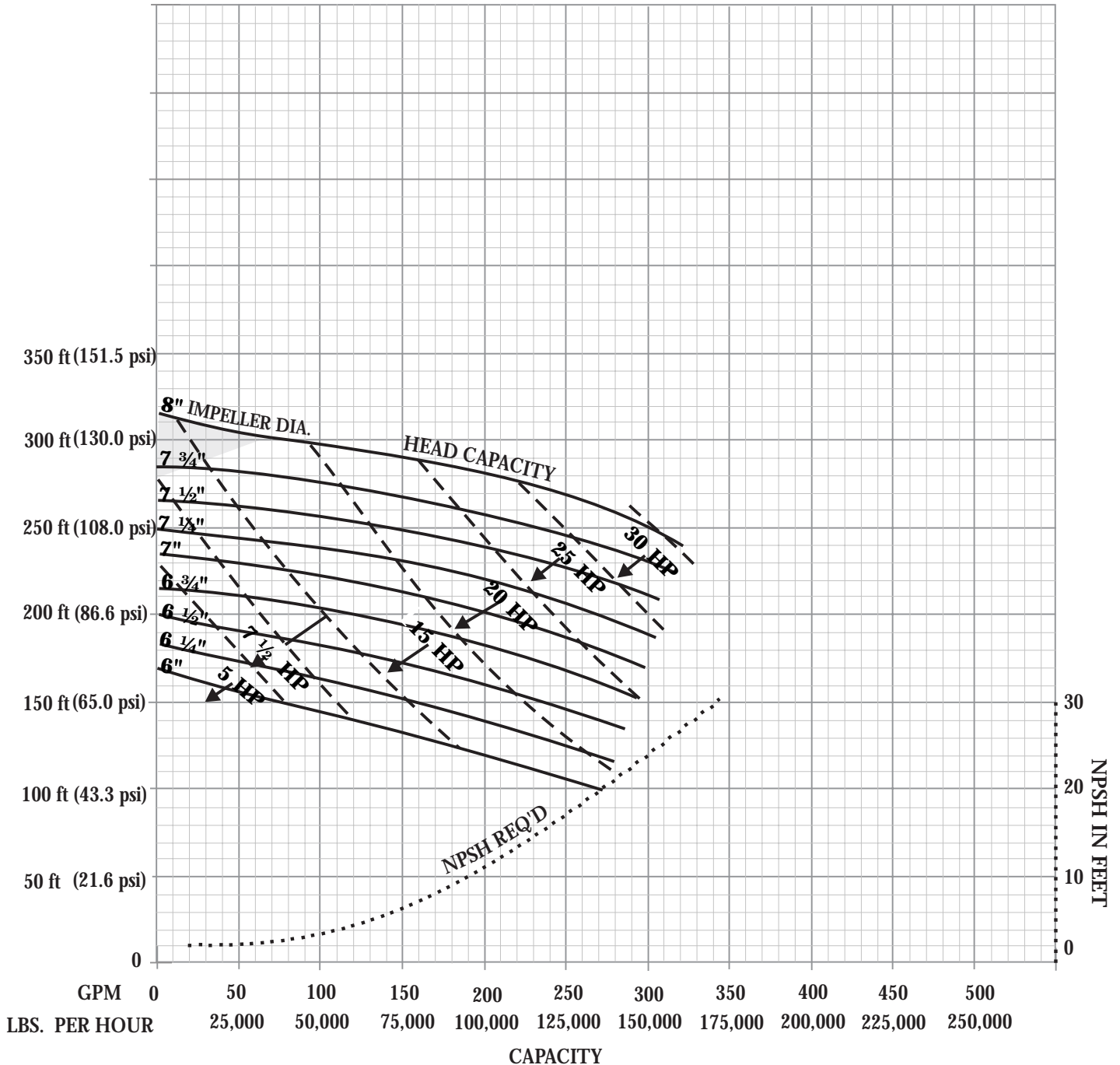
Size 218 Pumps

STANDARD INLET PUMP (Volute Type Casing)

For All Size 218 Pumps, Speed 3500 RPM
Inlet 2" – Outlet 1½"

All curves are typical performance curves, not Certified, and should be applied for guideline purposes only.

If application falls in shaded area – use only a C-Series Pump.

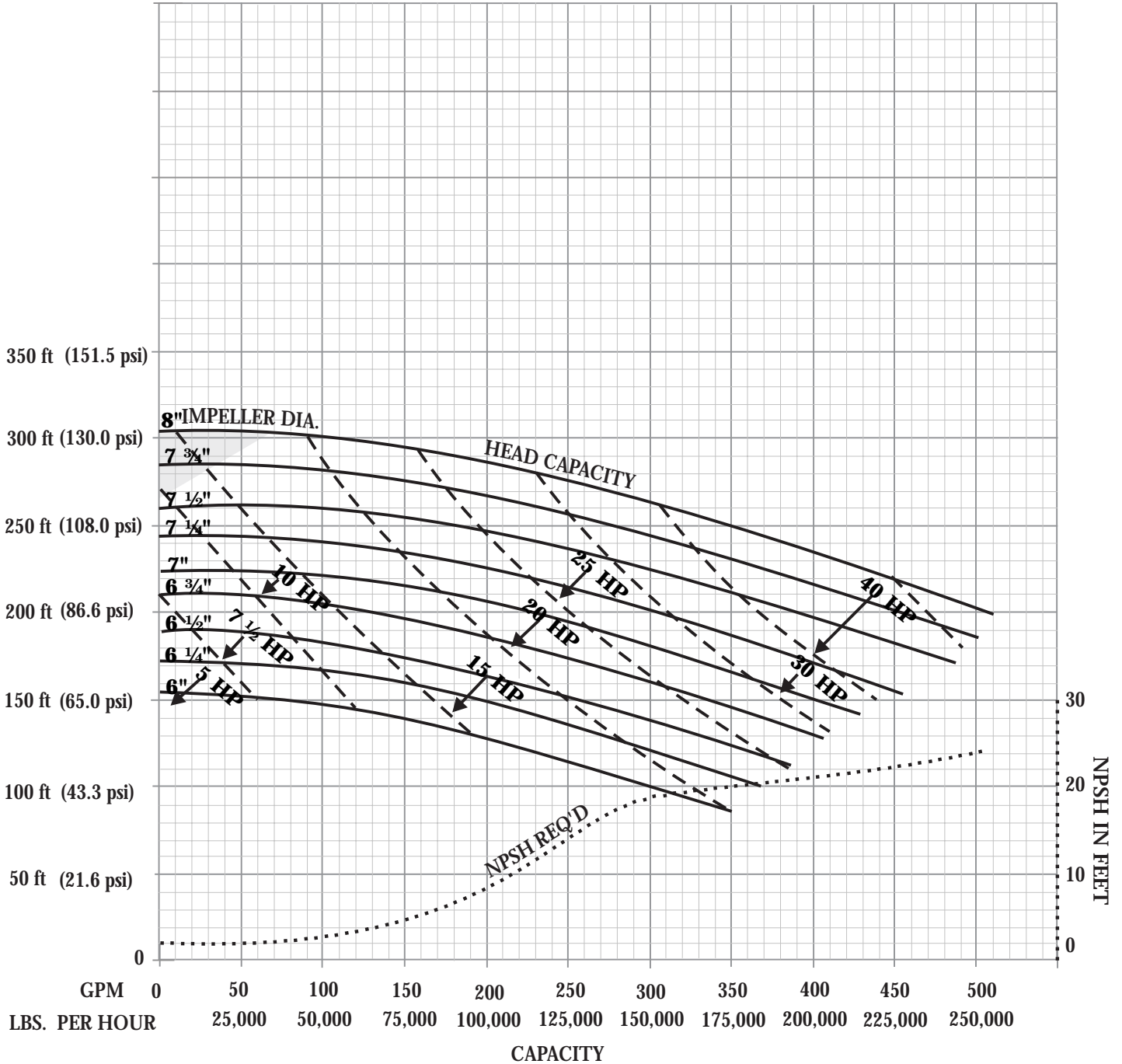


For vacuum withdrawal applications contact Tri-Clover Inc.

ENLARGED INLET PUMP (Volute Type Casing)

For All Size 218 Pumps, Speed 3500 RPM
Inlet 3" – Outlet 1½"

All curves are typical performance curves, not Certified, and should be applied for guideline purposes only.
If application falls in shaded area – use only a C-Series Pump.



For vacuum withdrawal applications contact Tri-Clover Inc.

Head Capacity Curve Graph

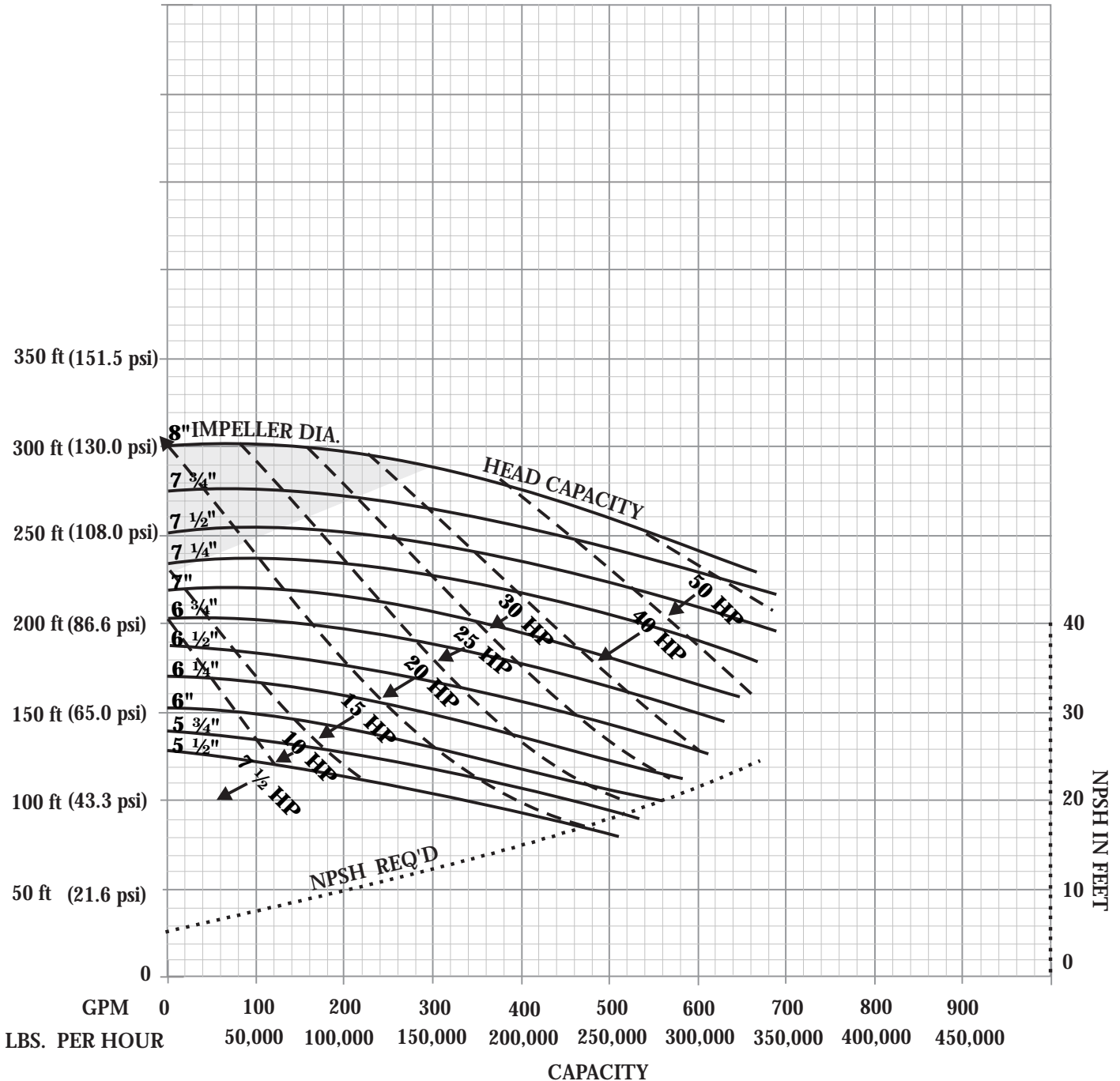
Size 328 Pumps

STANDARD INLET PUMP (Volute Type Casing)

For All Size 328 Pumps, Speed 3500 RPM Inlet 3" – Outlet 2"

All curves are typical performance curves, not Certified, and should be applied for guideline purposes only.

If application falls in shaded area – use only a C-Series Pump.



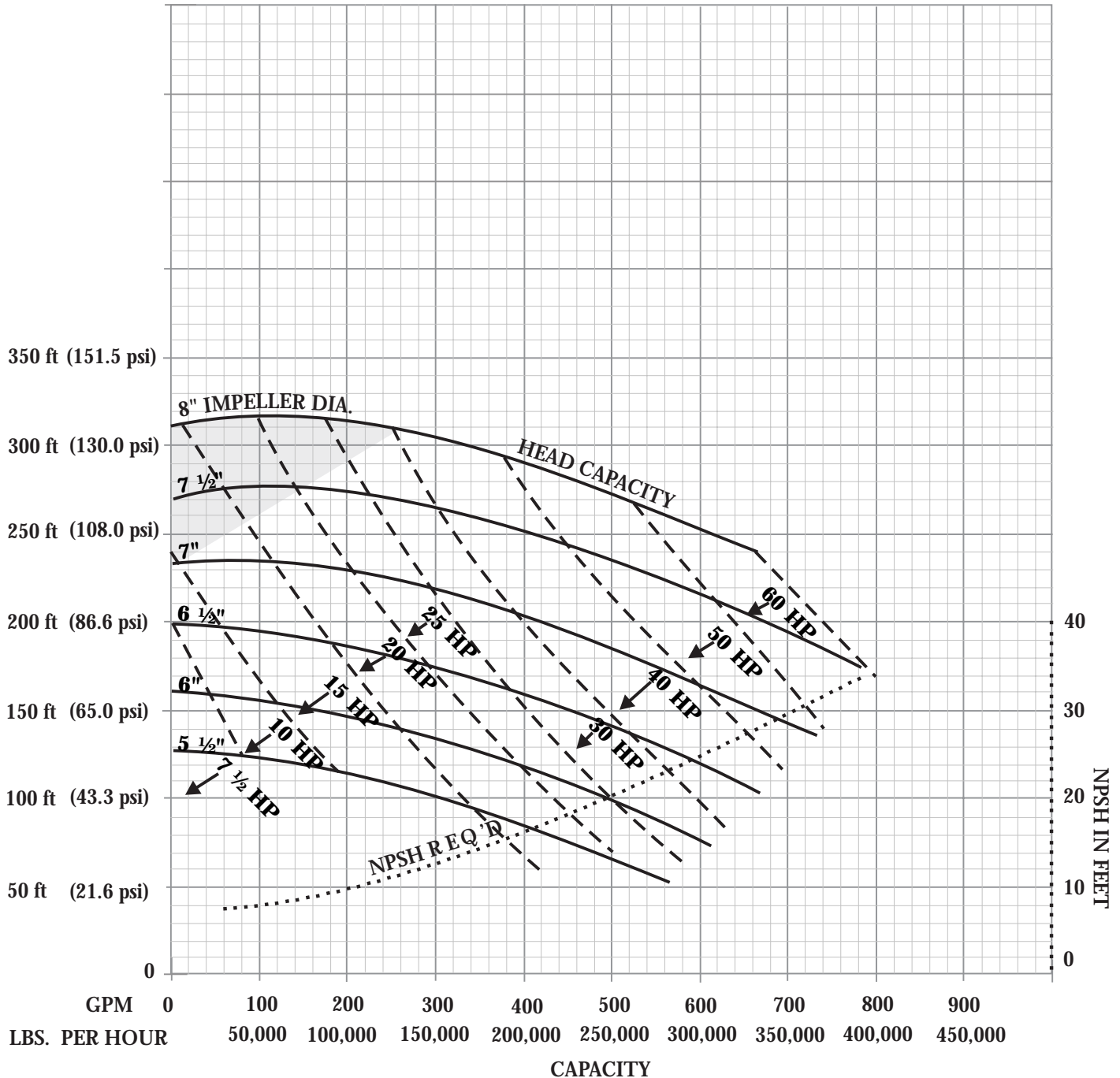
For vacuum withdrawal applications contact Tri-Clover Inc.

ENLARGED INLET PUMP (Volute Type Casing)

For All Size 328 Pumps, Speed 3500 RPM
Inlet 4" – Outlet 2"

All curves are typical performance curves, not Certified, and should be applied for guideline purposes only.

If application falls in shaded area – use only a C-Series Pump.



For vacuum withdrawal applications contact Tri-Clover Inc.



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