

Company:  
Name:  
Date: 05/21/2024



**Pump:**

Size: 3x4-10  
Type: 2196 ANSI  
Synch Speed: 3600 rpm  
Dia: 10 in  
Curve: ---  
Impeller: 96M101H

Dimensions:  
Suction: 4 in  
Discharge: 3 in

**Fluid:**

Name: Water  
SG: 1  
Density: 62.4 lb/ft³  
Viscosity: 1.1 cP  
Temperature: 60 °F

Vapor Pressure: 0.256 psi a  
Atm Pressure: 14.7 psi a  
Margin Ratio: 1

**Search Criteria:**

Flow: ---  
Head: ---

Near Miss: ---  
Static Head: 0 ft

**Pump Limits:**

Temperature: ---  
Wkg Pressure: ---

Sphere Size: 0.62 in

**Motor:**

Standard: NEMA  
Enclosure: TEFC  
Frame: 444TS  
Sizing Criteria: Max Power on Design Curve

Size: 125 hp  
Speed: 3600 rpm

**Pump Selection Warnings:**

None

**--- Duty Point ---**

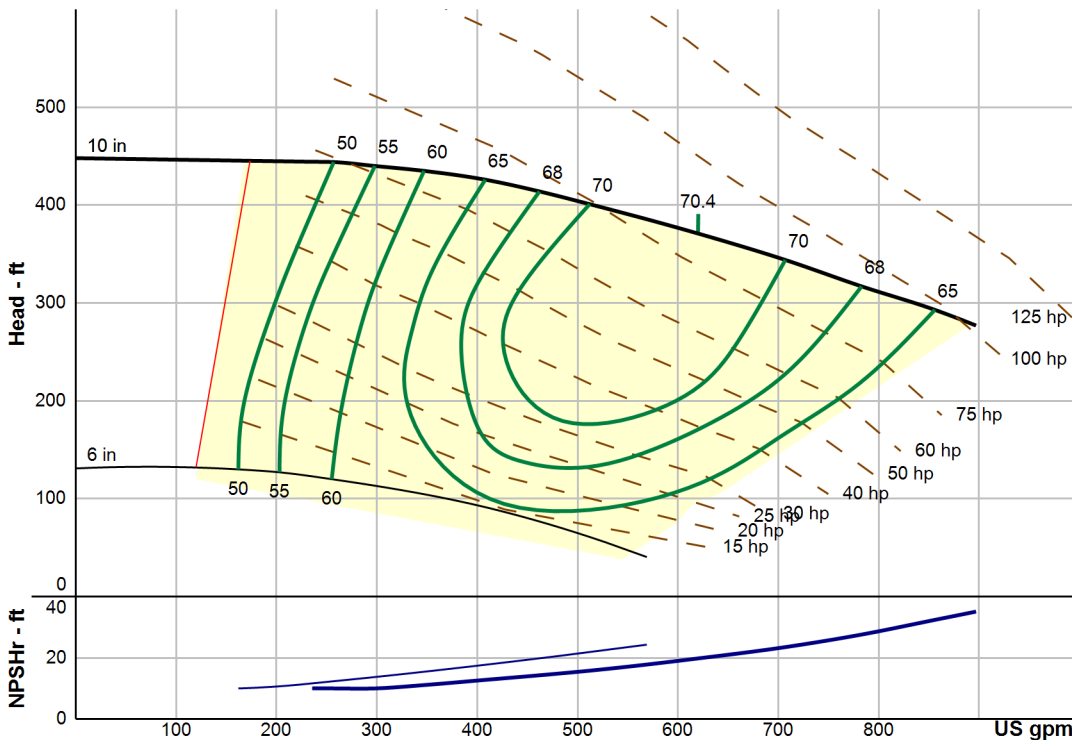
Flow: 620 US gpm  
Head: 371 ft  
Eff: 70.4%  
Power: 82.6 hp  
NPSHr: 19.8 ft  
Speed: 3550 rpm

**--- Design Curve ---**

Shutoff Head: 448 ft  
Shutoff dP: 194 psi  
Min Flow: 174 US gpm  
BEP: 70.4% @ 620 US gpm  
NOL Power:  
102 hp @ 897 US gpm

**--- Max Curve ---**

Max Power:  
102 hp @ 897 US gpm



**Performance Evaluation:**

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
862	3550	291	64.5	98.1	32.8
718	3550	340	69.7	88.4	24.1
574	3550	384	70.2	78.9	18.1
431	3550	421	66.3	69	13.4
287	3550	441	53.7	59.5	10