

Company:  
Name:  
Date: 05/17/2024



**Pump:**

Size: 1.5x3-6  
Type: 2196 ANSI  
Synch Speed: 1800 rpm  
Dia: 6.0625 in  
Curve: ---  
Impeller: 96S101B

Dimensions:  
Suction: 3 in  
Discharge: 1.5 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: 0.43 in

**Motor:**

Standard: NEMA  
Enclosure: TEFC  
Frame: 145T  
Sizing Criteria: Max Power on Design Curve

Size: 2 hp  
Speed: 1800 rpm

**Pump Selection Warnings:**

None

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

Flow: 95.7 US gpm  
Head: 34.1 ft  
Eff: 62.4%  
Power: 1.32 hp  
NPSHr: 2.47 ft  
Speed: 1750 rpm

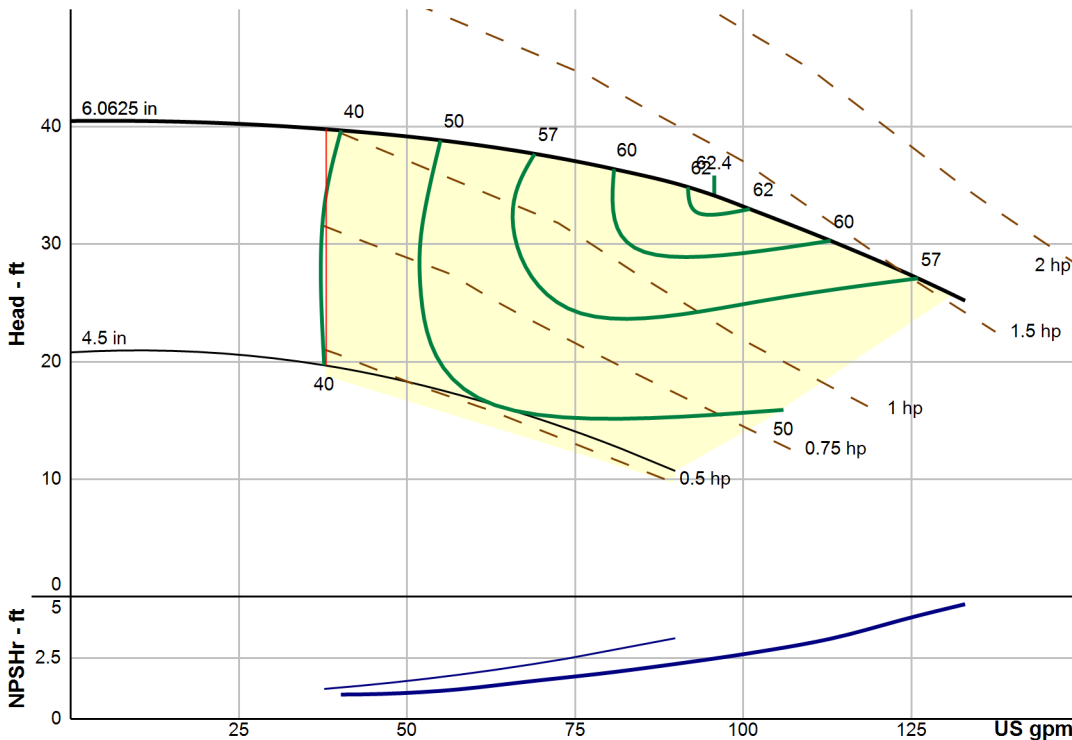
**--- Design Curve ---**

Shutoff Head: 40.5 ft  
Shutoff dP: 17.5 psi

Min Flow: 38 US gpm  
BEP: 62.4% @ 95.7 US gpm  
NOL Power:  
1.54 hp @ 133 US gpm

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

Max Power:  
1.54 hp @ 133 US gpm



**Performance Evaluation:**

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
127	1750	26.8	56.7	1.52	4.29
106	1750	31.9	61.2	1.39	2.94
84.8	1750	35.8	60.7	1.26	2.07
63.6	1750	38.2	54.3	1.12	1.4
42.4	1750	39.6	41.5	1.02	1.02