

Company:  
Name:  
Date: 05/17/2024



**Pump:**

Size: 2x3-6  
Type: 2196 ANSI  
Synch Speed: 1800 rpm  
Dia: 6.0625 in  
Curve: ---  
Impeller: 96S101C

Dimensions:  
Suction: 3 in  
Discharge: 2 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: --- Near Miss: ---  
Head: --- Static Head: 0 ft

**Pump Limits:**

Temperature: --- Sphere Size: 0.37 in  
Wkg Pressure: ---

**Motor:**

Standard: NEMA Size: 3 hp  
Enclosure: TEFC Speed: 1800 rpm  
Frame: 182T  
Sizing Criteria: Max Power on Design Curve

**Pump Selection Warnings:**

None

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

Flow: 158 US gpm  
Head: 35.6 ft  
Eff: 74.5%  
Power: 1.91 hp  
NPSHr: 4.33 ft  
Speed: 1750 rpm

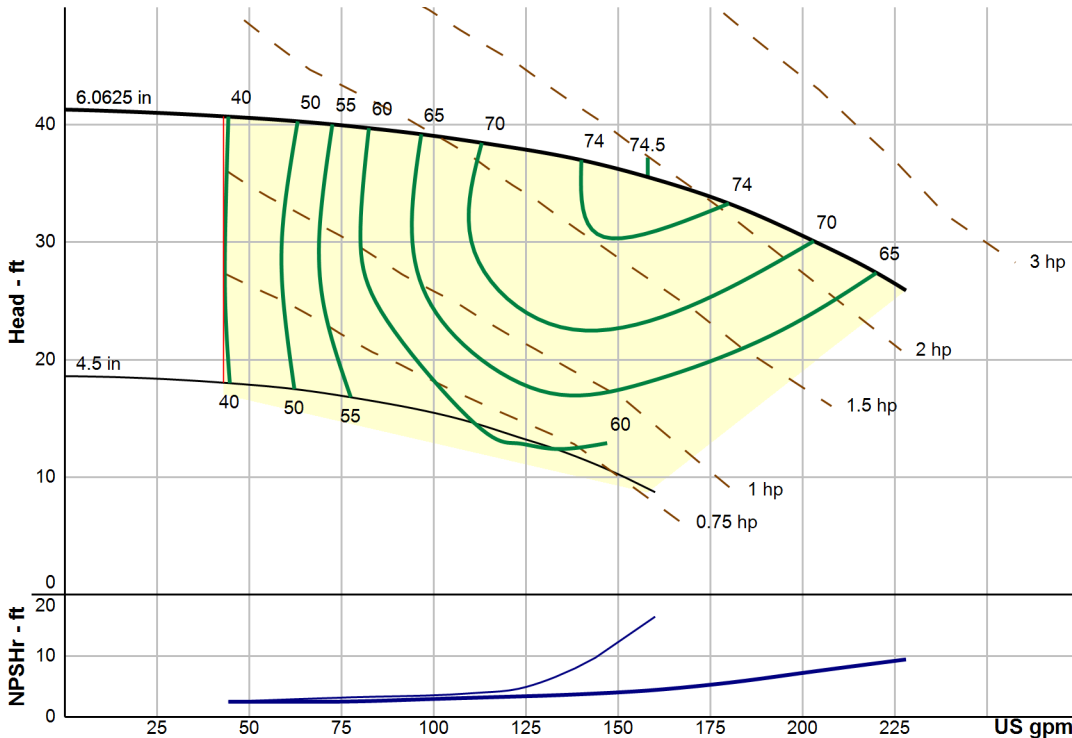
**--- Design Curve ---**

Shutoff Head: 41.3 ft  
Shutoff dP: 17.9 psi

Min Flow: 43 US gpm  
BEP: 74.5% @ 158 US gpm  
NOL Power:  
2.35 hp @ 228 US gpm

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

Max Power:  
2.35 hp @ 228 US gpm



**Performance Evaluation:**

Flow	Speed	Head	Efficiency	Power	NPSHr
US gpm	rpm	ft	%	hp	ft
218	1750	27.7	65.6	2.33	8.63
182	1750	33	73.7	2.06	5.77
146	1750	36.5	74.2	1.81	3.93
109	1750	38.6	68.8	1.54	3.12
72.8	1750	40	55.2	1.33	2.5