

Company:  
 Name:  
 Date: 05/24/2024



**Pump:**

Size: 3x4-13      Dimensions:  
 Type: 2196 ANSI      Suction: 4 in  
 Synch Speed: 1200 rpm      Discharge: 3 in  
 Dia: 13 in  
 Curve: ---  
 Impeller: 96M101P

**Fluid:**

Name: Water  
 SG: 1      Vapor Pressure: 0.256 psi a  
 Density: 62.4 lb/ft<sup>3</sup>      Atm Pressure: 14.7 psi a  
 Viscosity: 1.1 cP  
 Temperature: 60 °F      Margin Ratio: 1

**Search Criteria:**

Flow: ---      Near Miss: ---  
 Head: ---      Static Head: 0 ft

**Pump Limits:**

Temperature: ---      Sphere Size: 0.62 in  
 Wkg Pressure: ---

**Motor:**

Standard: NEMA      Size: 15 hp  
 Enclosure: TEFC      Speed: 1200 rpm  
 Frame: 284T  
 Sizing Criteria: Max Power on Design Curve

**Pump Selection Warnings:**

None

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

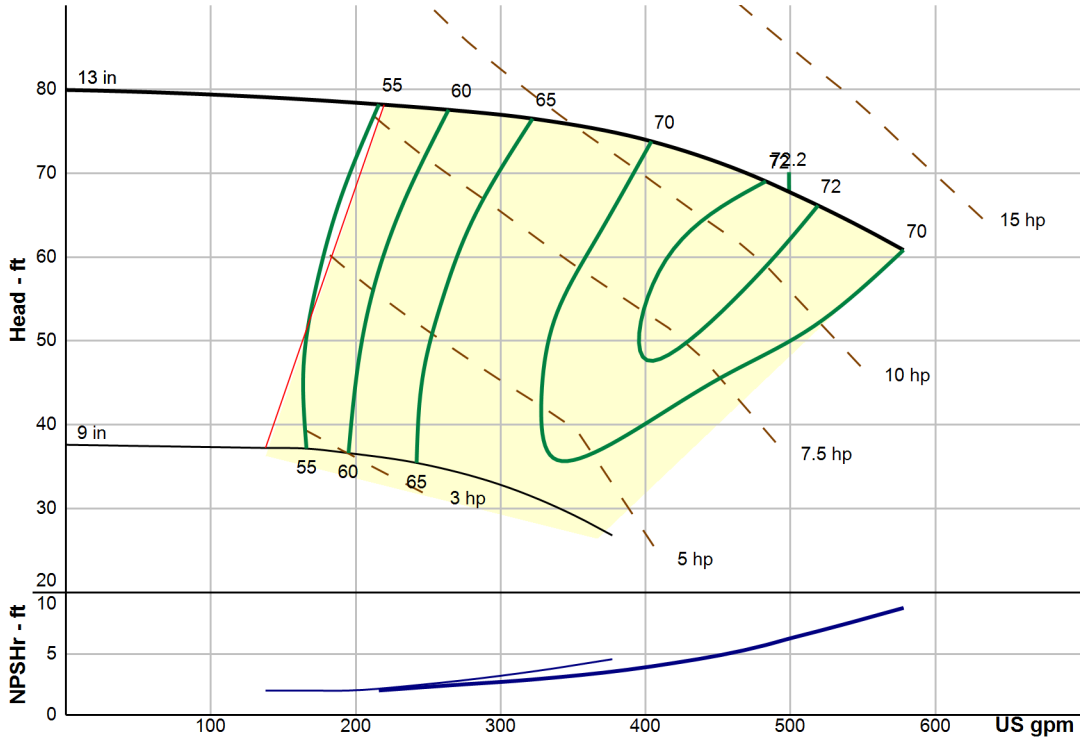
Flow: 499 US gpm  
 Head: 67.8 ft  
 Eff: 72.2%  
 Power: 11.8 hp  
 NPSHr: 6.24 ft  
 Speed: 1150 rpm

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

Shutoff Head: 79.9 ft  
 Shutoff dP: 34.6 psi  
 Min Flow: 220 US gpm  
 BEP: 72.2% @ 499 US gpm  
 NOL Power:  
 12.7 hp @ 578 US gpm

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

Max Power:  
 12.7 hp @ 578 US gpm



**Performance Evaluation:**

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
554	1150	63	70.8	12.4	7.98
462	1150	70.3	71.5	11.4	5.25
370	1150	74.9	67.9	10.3	3.53
277	1150	77.3	61.1	8.83	2.53
185	1150	---	---	---	---