

Company:  
Name:  
Date: 05/24/2024



**Pump:**

Size: 4x6-13  
Type: 2196 ANSI  
Synch Speed: 1200 rpm  
Dia: 13 in  
Curve: ---  
Impeller: 96M101Q

Dimensions:  
Suction: 6 in  
Discharge: 4 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: 1 in

**Motor:**

Standard: NEMA  
Enclosure: TEFC  
Frame: 286T  
Sizing Criteria: Max Power on Design Curve

Size: 20 hp  
Speed: 1200 rpm

**Pump Selection Warnings:**

None

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

Flow: 692 US gpm  
Head: 62.5 ft  
Eff: 77.5%  
Power: 14.1 hp  
NPSHr: 4.01 ft  
Speed: 1150 rpm

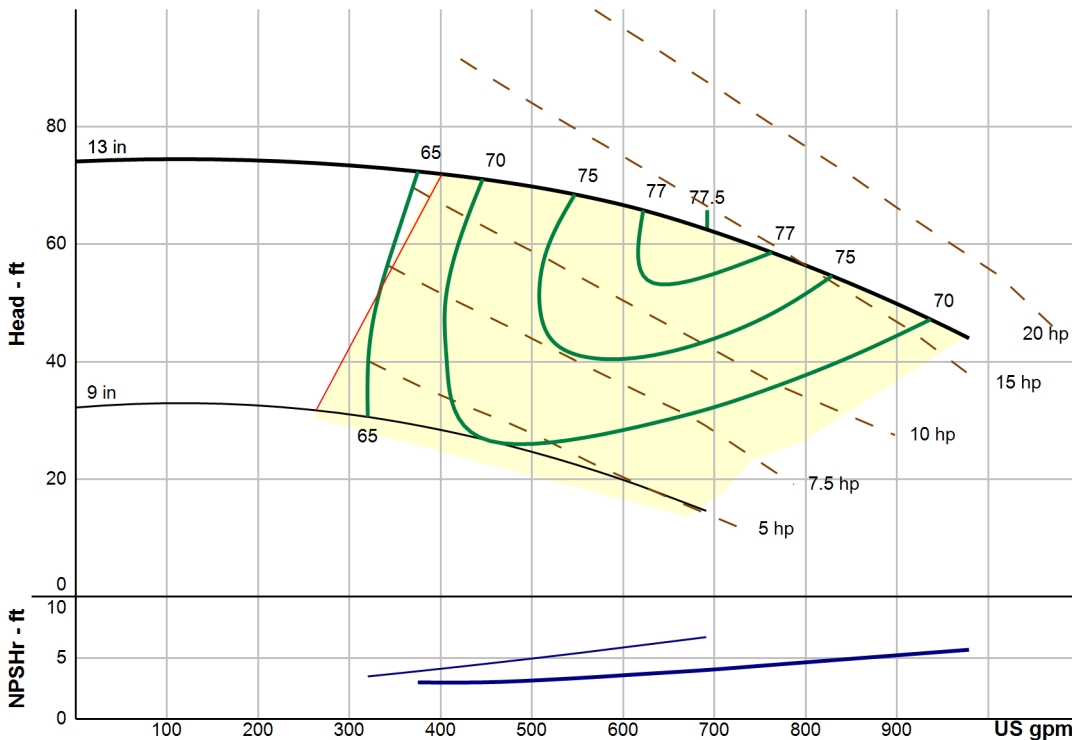
**--- Design Curve ---**

Shutoff Head: 74.1 ft  
Shutoff dP: 32.1 psi

Min Flow: 401 US gpm  
BEP: 77.5% @ 692 US gpm  
NOL Power:  
16.5 hp @ 979 US gpm

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

Max Power:  
16.5 hp @ 979 US gpm



**Performance Evaluation:**

| Flow   | Speed | Head | Efficiency | Power | NPSHr |
|--------|-------|------|------------|-------|-------|
| US gpm | rpm   | ft   | %          | hp    | ft    |
| 940    | 1150  | 47   | 69.7       | 16    | 5.44  |
| 783    | 1150  | 57.4 | 76.4       | 14.8  | 4.54  |
| 626    | 1150  | 65.6 | 77         | 13.5  | 3.7   |
| 470    | 1150  | 70.5 | 71.2       | 11.7  | 3.08  |
| 313    | 1150  | ---  | ---        | ---   | ---   |