

Company:  
Name:  
Date: 05/20/2024



**Pump:**

Size: 3x4-8G  
Type: 2196 ANSI  
Synch Speed: 1800 rpm  
Dia: 8.375 in  
Curve: ---  
Impeller: 96M101D

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: 0.68 in

**Motor:**

Standard: NEMA  
Enclosure: TEFC  
Frame: 215T  
Sizing Criteria: Max Power on Design Curve

Size: 10 hp  
Speed: 1800 rpm

**Pump Selection Warnings:**

None

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

Flow: 303 US gpm  
Head: 63.1 ft  
Eff: 73.5%  
Power: 6.57 hp  
NPSHr: 4.9 ft  
Speed: 1750 rpm

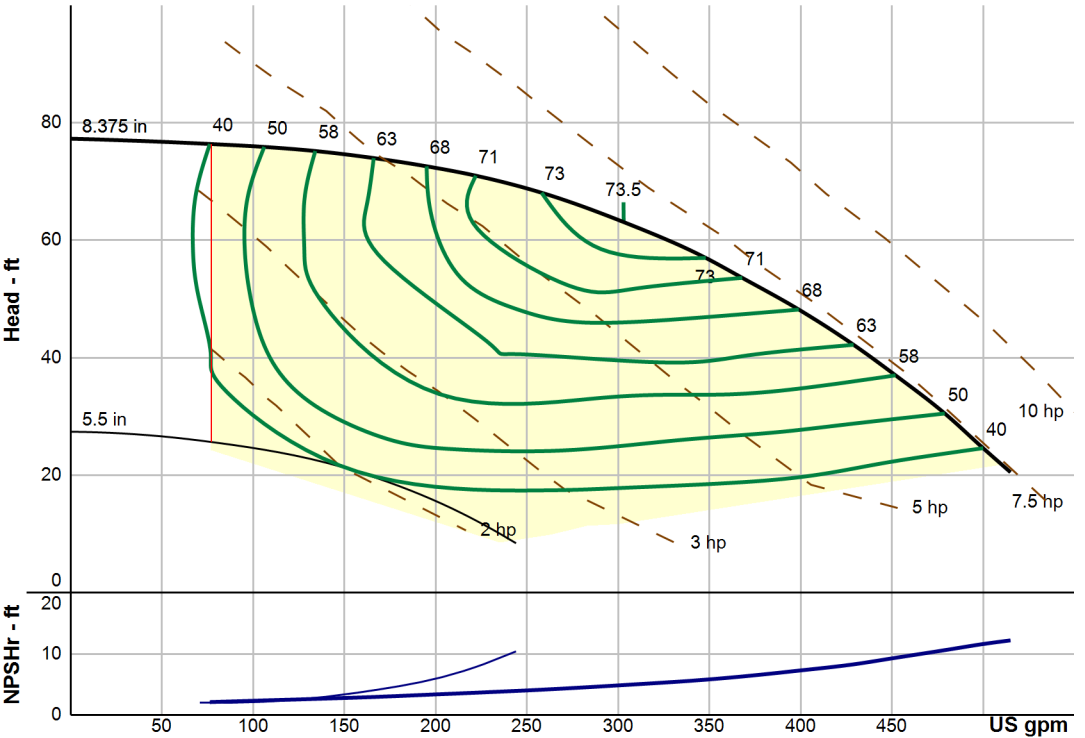
**--- Design Curve ---**

Shutoff Head: 77.3 ft  
Shutoff dP: 33.5 psi

Min Flow: 77 US gpm  
BEP: 73.5% @ 303 US gpm  
NOL Power:  
7.77 hp @ 500 US gpm

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

Max Power:  
7.77 hp @ 500 US gpm



**Performance Evaluation:**

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
494	1750	26.3	42.9	7.66	11.3
412	1750	45.6	65.8	7.19	7.7
330	1750	59.4	73.2	6.75	5.43
247	1750	69	72.4	5.93	3.99
165	1750	74	62.8	4.91	2.94