

Company:  
Name:  
Date: 05/20/2024



**Pump:**

Size: 2x3-10  
Type: 2196 ANSI  
Synch Speed: 1800 rpm  
Dia: 10 in  
Curve: ---  
Impeller: 96M101G

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: ---  
Head: ---

Near Miss: ---  
Static Head: 0 ft

**Pump Limits:**

Temperature: ---  
Wkg Pressure: ---

Sphere Size: 0.37 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: 200 US gpm  
Head: 93.5 ft  
Eff: 62.5%  
Power: 7.56 hp  
NPSHr: 6.42 ft  
Speed: 1750 rpm

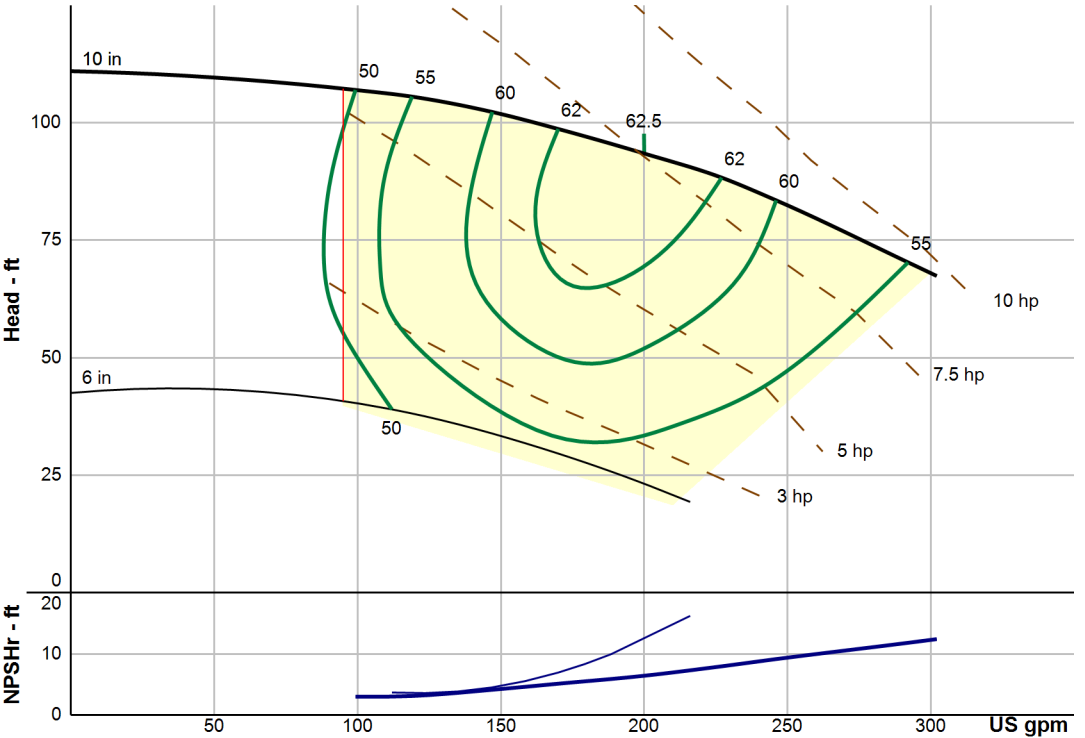
**--- Design Curve ---**

Shutoff Head: 111 ft  
Shutoff dP: 48.1 psi

Min Flow: 95 US gpm  
BEP: 62.5% @ 200 US gpm  
NOL Power:  
9.7 hp @ 302 US gpm

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

Max Power:  
9.7 hp @ 302 US gpm



**Performance Evaluation:**

Flow	Speed	Head	Efficiency	Power	NPSHr
US gpm	rpm	ft	%	hp	ft
290	1750	70.9	55.2	9.39	11.7
242	1750	84.5	60.4	8.55	8.89
194	1750	94.5	62.4	7.41	6.16
145	1750	103	59.6	6.29	4.06
96.8	1750	107	49.4	5.32	3