

Company:  
Name:  
Date: 05/17/2024



**Pump:**

Size: 1.5x3-6  
Type: 2196 ANSI  
Synch Speed: 3600 rpm  
Dia: 6.0625 in  
Curve: ---  
Impeller: 96S101B

Dimensions:  
Suction: 3 in  
Discharge: 1.5 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: 0.43 in  
Wkg Pressure: ---

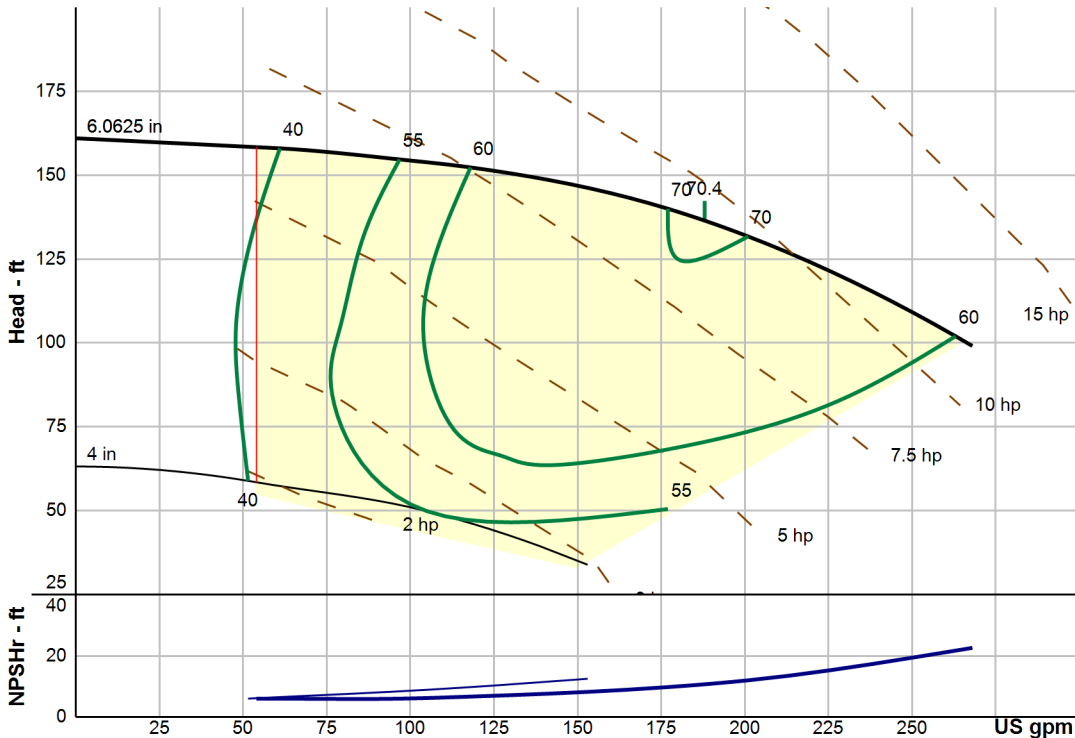
**Motor:**

Standard: NEMA Size: 15 hp  
Enclosure: TEFC Speed: 3600 rpm  
Frame: 254T  
Sizing Criteria: Max Power on Design Curve

**Pump Selection Warnings:**

None

--- Duty Point ---	
Flow:	188 US gpm
Head:	136 ft
Eff:	70.4%
Power:	9.21 hp
NPSHr:	10.7 ft
Speed:	3500 rpm
--- Design Curve ---	
Shutoff Head:	161 ft
Shutoff dP:	69.7 psi
Min Flow:	54 US gpm
BEP:	70.4% @ 188 US gpm
NOL Power:	11.5 hp @ 268 US gpm
--- Max Curve ---	
Max Power:	11.5 hp @ 268 US gpm



**Performance Evaluation:**

Flow	Speed	Head	Efficiency	Power	NPSHr
US gpm	rpm	ft	%	hp	ft
257	3500	105	61	11.1	20.8
214	3500	126	67.9	9.92	14
171	3500	141	69	8.8	9.47
128	3500	150	61.7	7.8	7.21
85.6	3500	156	50.3	6.63	6