

Company:  
Name:  
Date: 05/17/2024



Pump:			
Size:	1x1.5-8	<u>Dimensions:</u>	
Type:	2196 ANSI	Suction:	1.5 in
Synch Speed:	1800 rpm	Discharge:	1 in
Dia:	8 in		
Curve:	---		
Impeller:	96S101D		

Fluid:			
Name:	Water		
SG:	1	Vapor Pressure:	0.256 psi a
Density:	62.4 lb/ft³	Atm Pressure:	14.7 psi a
Viscosity:	1.1 cP		
Temperature:	60 °F	Margin Ratio:	1

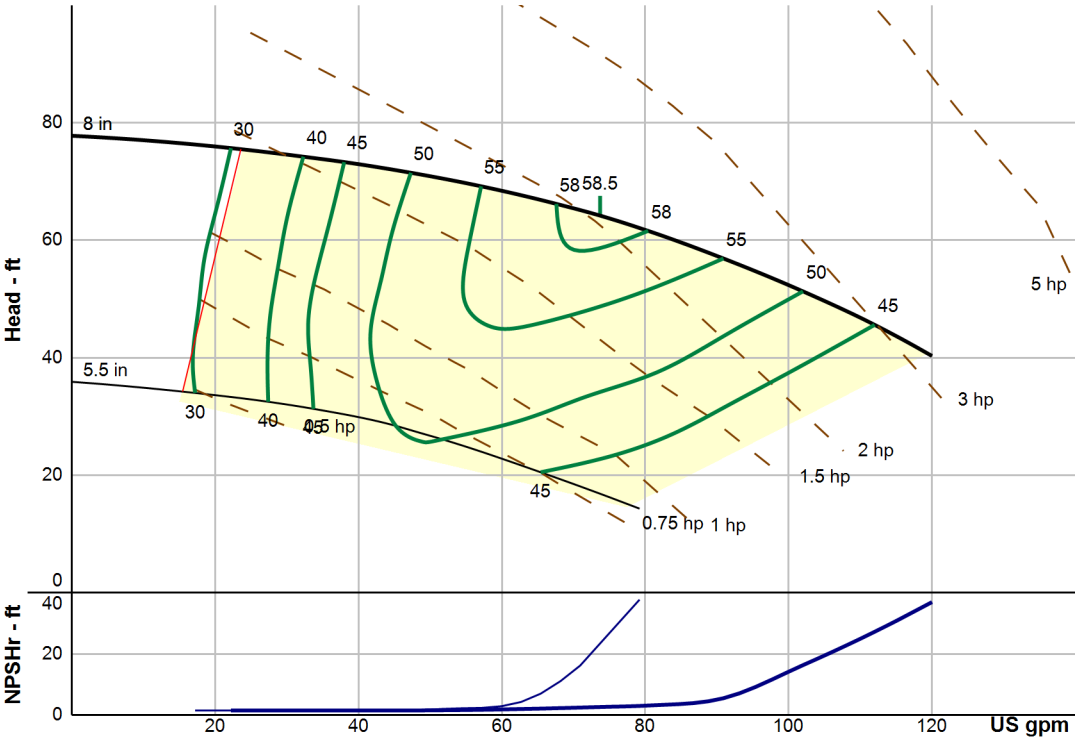
Search Criteria:			
Flow:	---	Near Miss:	---
Head:	---	Static Head:	0 ft

Pump Limits:			
Temperature:	---	Sphere Size:	0.34 in
Wkg Pressure:	---		

Motor:			
Standard:	NEMA	Size:	5 hp
Enclosure:	TEFC	Speed:	1800 rpm
Frame:	184T		
Sizing Criteria:	Max Power on Design Curve		

**Pump Selection Warnings:**  
None

--- Duty Point ---	
Flow:	73.7 US gpm
Head:	64.2 ft
Eff:	58.5%
Power:	2.04 hp
NPSHr:	2.63 ft
Speed:	1750 rpm
--- Design Curve ---	
Shutoff Head:	77.8 ft
Shutoff dP:	33.7 psi
Min Flow:	23.6 US gpm
BEP:	58.5% @ 73.7 US gpm
NOL Power:	3.2 hp @ 120 US gpm
--- Max Curve ---	
Max Power:	3.2 hp @ 120 US gpm



Performance Evaluation:						
Flow	Speed	Head	Efficiency	Power	NPSHr	
US gpm	rpm	ft	%	hp	ft	
115	1750	43.6	42.5	2.99	30.8	
96	1750	54.3	52.7	2.5	10.5	
76.8	1750	63	58.3	2.1	2.85	
57.6	1750	69.1	55.1	1.82	1.74	
38.4	1750	73.2	45.2	1.57	1.5	