

Company:
Name:
Date: 05/10/2024



Pump:			
Size:	1x1.5-6	<u>Dimensions:</u>	
Type:	2196 ANSI	Suction:	1.5 in
Synch Speed:	1800 rpm	Discharge:	1 in
Dia:	6.0625 in		
Curve:	---		
Impeller:	96S101A		

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

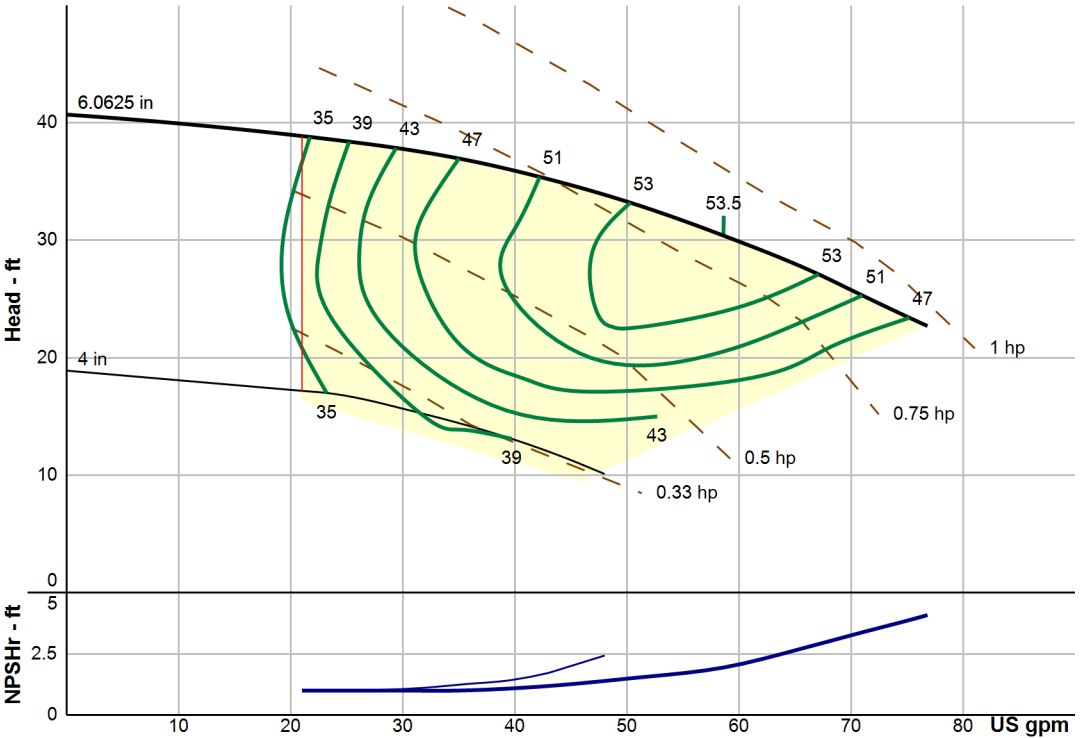
Search Criteria:			
Flow:	---	Near Miss:	---
Head:	---	Static Head:	0 ft

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

Motor:			
Standard:	NEMA	Size:	1 hp
Enclosure:	TEFC	Speed:	1800 rpm
Frame:	143T		
Sizing Criteria:	Max Power on Design Curve		

Pump Selection Warnings:
None

--- Duty Point ---	
Flow:	58.6 US gpm
Head:	30.4 ft
Eff:	53.5%
Power:	0.841 hp
NPSHr:	1.94 ft
Speed:	1750 rpm
--- Design Curve ---	
Shutoff Head:	40.7 ft
Shutoff dP:	17.6 psi
Min Flow:	21 US gpm
BEP:	53.5% @ 58.6 US gpm
NOL Power:	
	0.951 hp @ 76.8 US gpm
--- Max Curve ---	
Max Power:	
	0.951 hp @ 76.8 US gpm



Performance Evaluation:					
Flow	Speed	Head	Efficiency	Power	NPSHr
US gpm	rpm	ft	%	hp	ft
73.7	1750	24.1	48.4	0.926	3.7
61.4	1750	29.3	53.3	0.849	2.26
49.1	1750	33.5	52.7	0.788	1.45
36.8	1750	36.6	48	0.706	1.04
24.6	1750	38.5	38.3	0.623	1