

Company:  
Name:  
Date: 05/17/2024



Pump:			
Size:	1.5x3-8	<u>Dimensions:</u>	
Type:	2196 ANSI	Suction:	3 in
Synch Speed:	1800 rpm	Discharge:	1.5 in
Dia:	8 in		
Curve:	SPTL_96175DC1538		
Impeller:	96S101E		

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

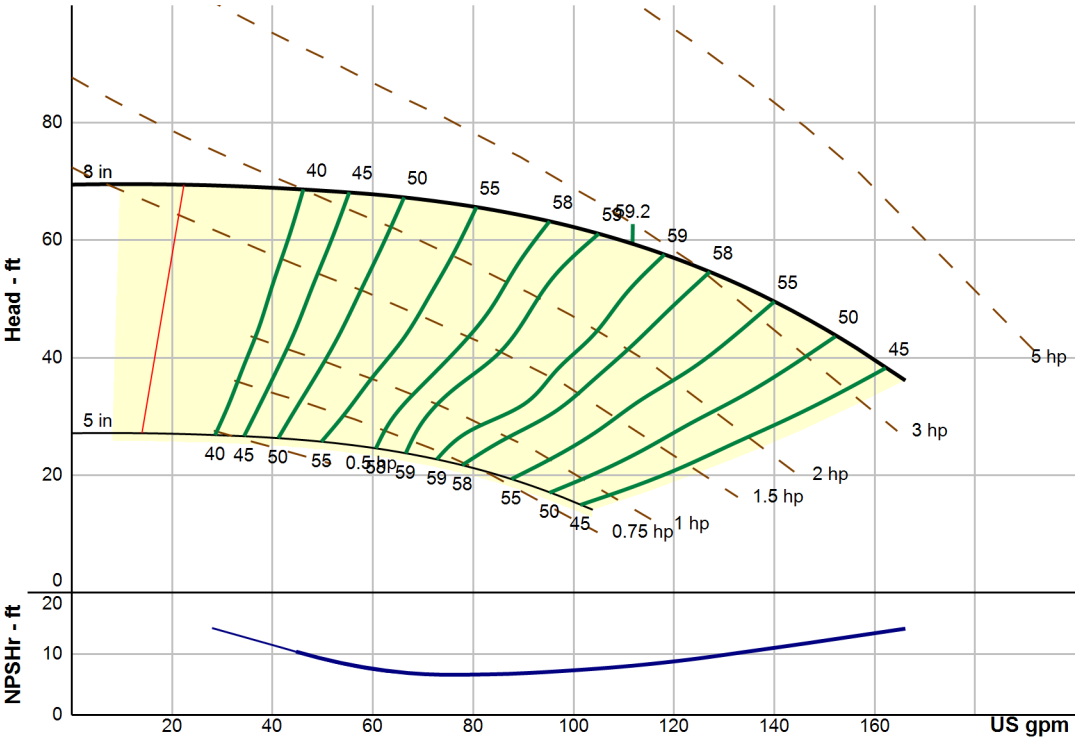
Search Criteria:			
Flow:	---	Near Miss:	---
Head:	---	Static Head:	0 ft

Pump Limits:			
Temperature:	---	Sphere Size:	0.43 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:	112 US gpm
Head:	59.4 ft
Eff:	59.2%
Power:	2.83 hp
NPSHr:	8.06 ft
Speed:	1750 rpm
--- Design Curve ---	
Shutoff Head:	69.5 ft
Shutoff dP:	30.1 psi
Min Flow:	22.4 US gpm
BEP:	59.2% @ 112 US gpm
NOL Power:	
	3.52 hp @ 166 US gpm
--- Max Curve ---	
Max Power:	
	3.52 hp @ 166 US gpm



Performance Evaluation:						
Flow	Speed	Head	Efficiency	Power	NPSHr	
US gpm	rpm	ft	%	hp	ft	
160	1750	39.2	45.6	3.44	13.4	
133	1750	52.4	56.8	3.1	10.2	
106	1750	60.8	58.9	2.76	7.69	
79.8	1750	65.7	54.5	2.42	6.71	
53.2	1750	68.2	43.4	2.09	9.02	