

Company:
Name:
Date: 05/23/2024



Pump:			
Size:	1.5x3-13	<u>Dimensions:</u>	
Type:	2196 ANSI	Suction:	3 in
Synch Speed:	1800 rpm	Discharge:	1.5 in
Dia:	13 in		
Curve:	---		
Impeller:	96M101M		

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

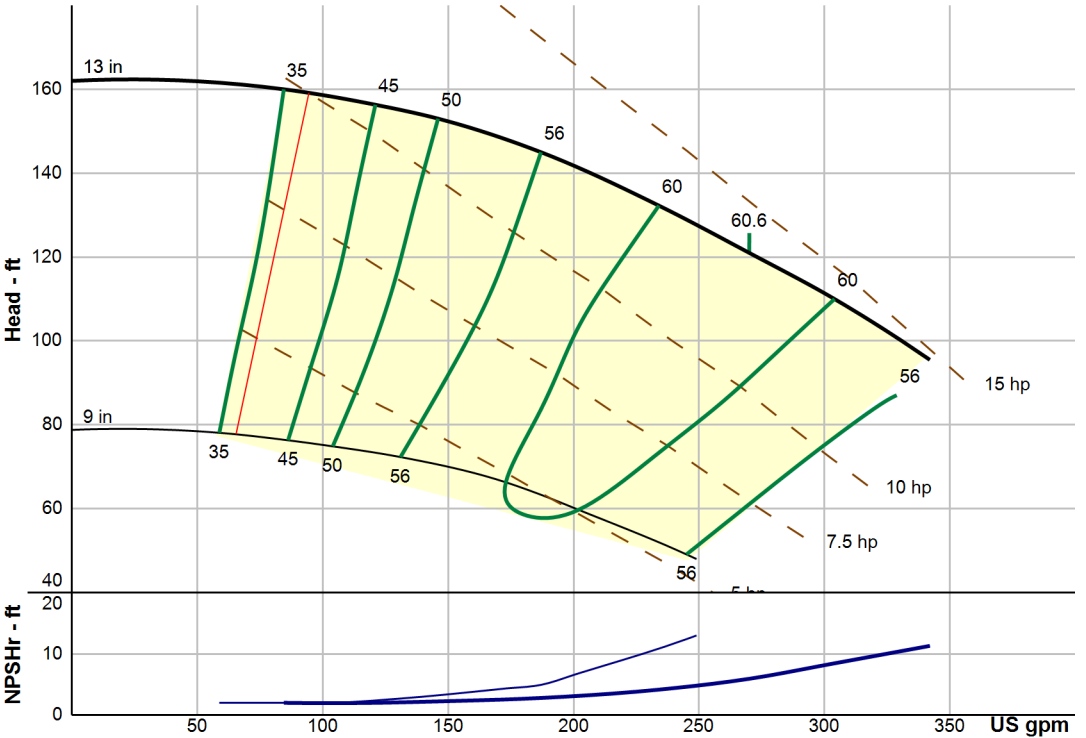
Search Criteria:			
Flow:	---	Near Miss:	---
Head:	---	Static Head:	0 ft

Pump Limits:			
Temperature:	---	Sphere Size:	0.21 in
Wkg Pressure:	---		

Motor:			
Standard:	NEMA	Size:	15 hp
Enclosure:	TEFC	Speed:	1800 rpm
Frame:	254T		
Sizing Criteria:	Max Power on Design Curve		

Pump Selection Warnings:
None

--- Duty Point ---	
Flow:	270 US gpm
Head:	121 ft
Eff:	60.6%
Power:	13.6 hp
NPSHr:	5.92 ft
Speed:	1750 rpm
--- Design Curve ---	
Shutoff Head:	162 ft
Shutoff dP:	70.2 psi
Min Flow:	94.5 US gpm
BEP:	60.6% @ 270 US gpm
NOL Power:	14.7 hp @ 342 US gpm
--- Max Curve ---	
Max Power:	14.7 hp @ 342 US gpm



Performance Evaluation:						
Flow	Speed	Head	Efficiency	Power	NPSHr	
US gpm	rpm	ft	%	hp	ft	
329	1750	100	57.4	14.5	10.3	
274	1750	120	60.5	13.7	6.22	
219	1750	136	58.7	12.8	3.72	
164	1750	149	52.6	11.7	2.48	
110	1750	157	42	10.4	2	