

Company:
Name:
Date: 05/24/2024



Pump:			
Size:	4x6-13	<u>Dimensions:</u>	
Type:	2196 ANSI	Suction:	6 in
Synch Speed:	1800 rpm	Discharge:	4 in
Dia:	13 in		
Curve:	---		
Impeller:	96M101Q		

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

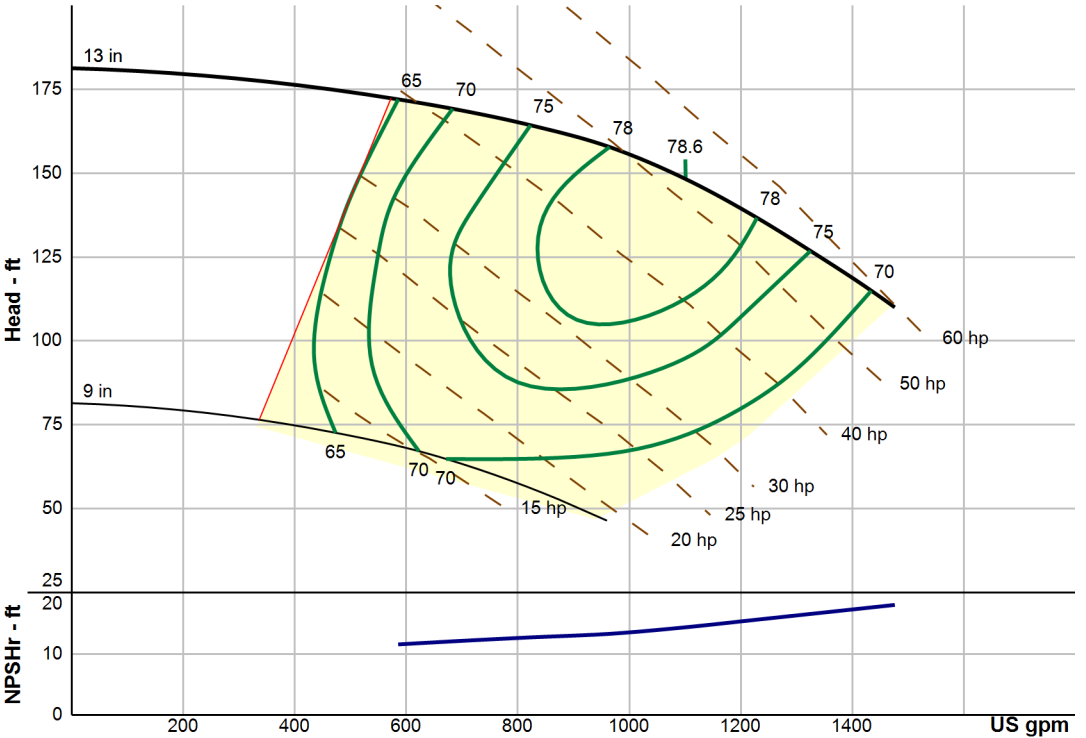
Search Criteria:			
Flow:	---	Near Miss:	---
Head:	---	Static Head:	0 ft

Pump Limits:			
Temperature:	---	Sphere Size:	1 in
Wkg Pressure:	---		

Motor:			
Standard:	NEMA	Size:	60 hp
Enclosure:	TEFC	Speed:	1800 rpm
Frame:	364T		
Sizing Criteria:	Max Power on Design Curve		

Pump Selection Warnings:
None

--- Duty Point ---	
Flow:	1101 US gpm
Head:	148 ft
Eff:	78.6%
Power:	52.5 hp
NPSHr:	14.3 ft
Speed:	1780 rpm
--- Design Curve ---	
Shutoff Head:	181 ft
Shutoff dP:	78.5 psi
Min Flow:	573 US gpm
BEP:	78.6% @ 1101 US gpm
NOL Power:	59.7 hp @ 1476 US gpm
--- Max Curve ---	
Max Power:	59.7 hp @ 1476 US gpm



Performance Evaluation:						
Flow	Speed	Head	Efficiency	Power	NPSHr	
US gpm	rpm	ft	%	hp	ft	
1417	1780	117	70.8	59	17.4	
1181	1780	141	78.2	53.7	15.1	
945	1780	159	77.6	48.8	13.2	
709	1780	168	70.9	42.4	12.2	
472	1780	---	---	---	---	