

Company:
Name:
Date: 05/21/2024



Pump:			
Size:	3x4-10H	<u>Dimensions:</u>	
Type:	2196 ANSI	Suction:	4 in
Synch Speed:	1800 rpm	Discharge:	3 in
Dia:	10 in		
Curve:	---		
Impeller:	96M101J		

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

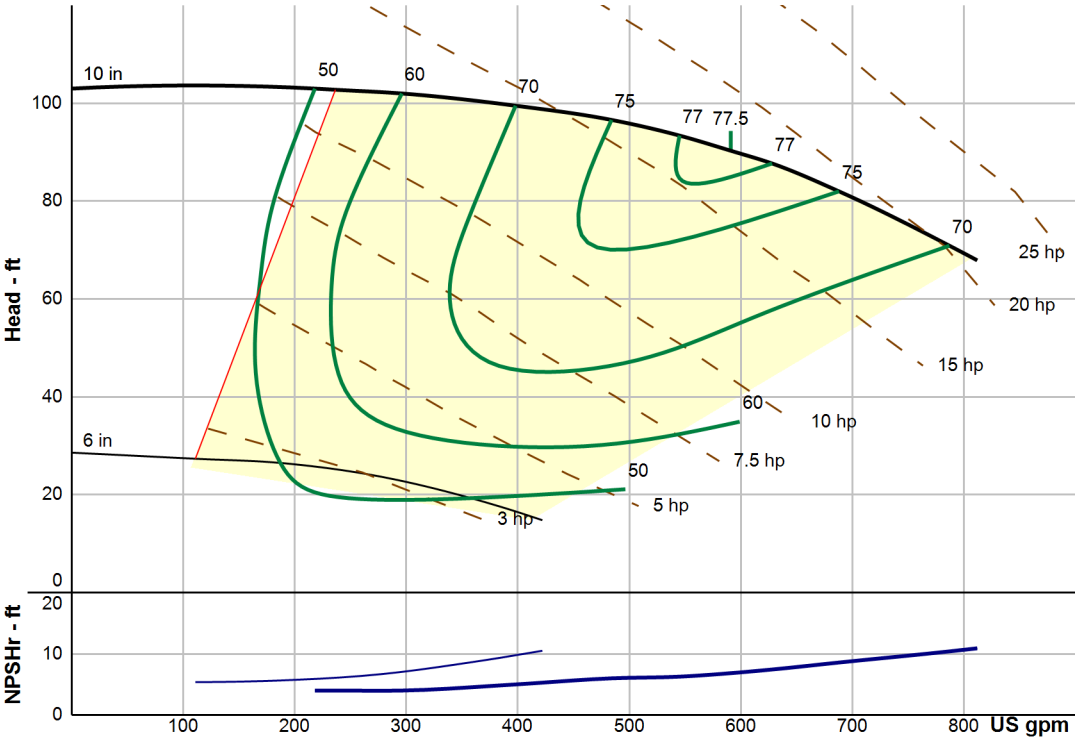
Search Criteria:			
Flow:	---	Near Miss:	---
Head:	---	Static Head:	0 ft

Pump Limits:			
Temperature:	---	Sphere Size:	0.62 in
Wkg Pressure:	---		

Motor:			
Standard:	NEMA	Size:	25 hp
Enclosure:	TEFC	Speed:	1800 rpm
Frame:	284T		
Sizing Criteria:	Max Power on Design Curve		

Pump Selection Warnings:	
None	

--- Duty Point ---	
Flow:	591 US gpm
Head:	90.3 ft
Eff:	77.5%
Power:	17.4 hp
NPSHr:	6.84 ft
Speed:	1750 rpm
--- Design Curve ---	
Shutoff Head:	103 ft
Shutoff dP:	44.6 psi
Min Flow:	236 US gpm
BEP:	77.5% @ 591 US gpm
NOL Power:	20.8 hp @ 812 US gpm
--- Max Curve ---	
Max Power:	20.8 hp @ 812 US gpm



Performance Evaluation:						
Flow	Speed	Head	Efficiency	Power	NPSHr	
US gpm	rpm	ft	%	hp	ft	
780	1750	71.7	70.4	20.1	10.3	
650	1750	85.6	76.3	18.4	7.86	
520	1750	94.7	76.2	16.3	6.16	
390	1750	99.7	69.2	14.2	4.92	
260	1750	102	55.4	12.1	4	