

Company:
Name:
Date: 05/20/2024



Pump:			
Size:	1x2-10	<u>Dimensions:</u>	
Type:	2196 ANSI	Suction:	2 in
Synch Speed:	1800 rpm	Discharge:	1 in
Dia:	10 in		
Curve:	---		
Impeller:	96M101E		

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

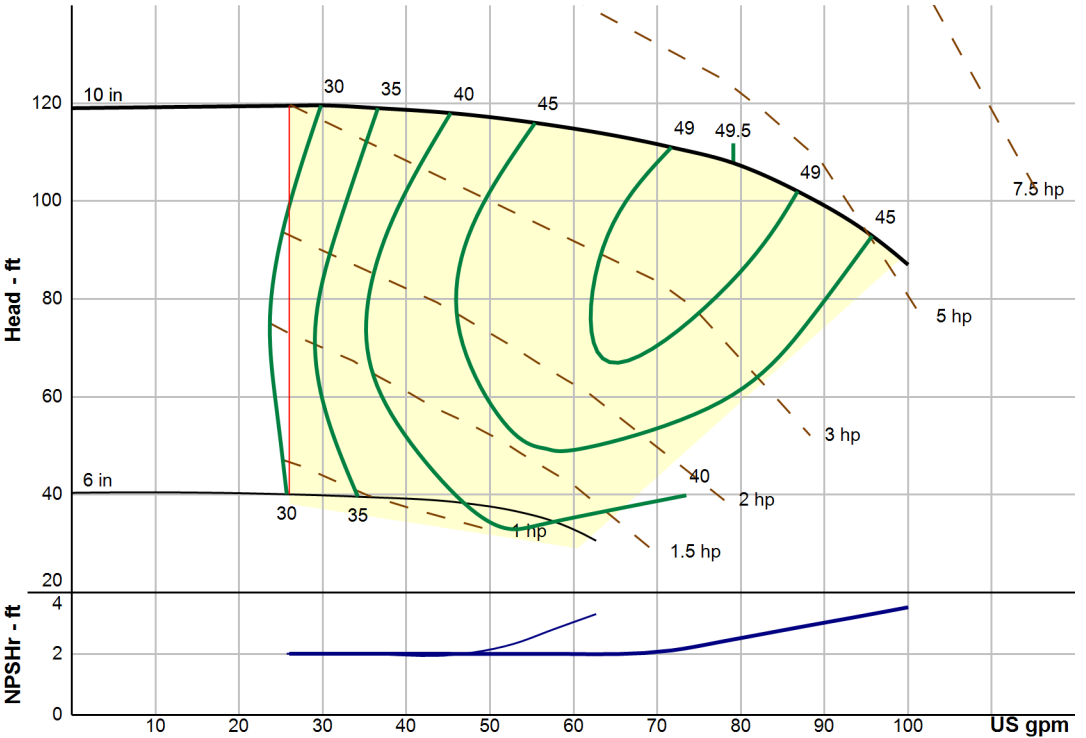
Search Criteria:			
Flow:	---	Near Miss:	---
Head:	---	Static Head:	0 ft

Pump Limits:			
Temperature:	---	Sphere Size:	0.43 in
Wkg Pressure:	---		

Motor:			
Standard:	NEMA	Size:	7.5 hp
Enclosure:	TEFC	Speed:	1800 rpm
Frame:	213T		
Sizing Criteria:	Max Power on Design Curve		

Pump Selection Warnings:
None

--- Duty Point ---	
Flow:	79.1 US gpm
Head:	108 ft
Eff:	49.5%
Power:	4.35 hp
NPSHr:	2.47 ft
Speed:	1750 rpm
--- Design Curve ---	
Shutoff Head:	119 ft
Shutoff dP:	51.5 psi
Min Flow:	26 US gpm
BEP:	49.5% @ 79.1 US gpm
NOL Power:	5.24 hp @ 100 US gpm
--- Max Curve ---	
Max Power:	5.24 hp @ 100 US gpm



Performance Evaluation:						
Flow	Speed	Head	Efficiency	Power	NPSHr	
US gpm	rpm	ft	%	hp	ft	
96	1750	92.5	44.8	5.01	3.32	
80	1750	107	49.4	4.38	2.52	
64	1750	113	47.1	3.87	2.06	
48	1750	117	41.3	3.44	2	
32	1750	119	31.6	3.05	2	