

Company:
Name:
Date: 05/20/2024



Pump:			
Size:	3x4-7	<u>Dimensions:</u>	
Type:	2196 ANSI	Suction:	4 in
Synch Speed:	3600 rpm	Discharge:	3 in
Dia:	7.1875 in		
Curve:	---		
Impeller:	96M101A		

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

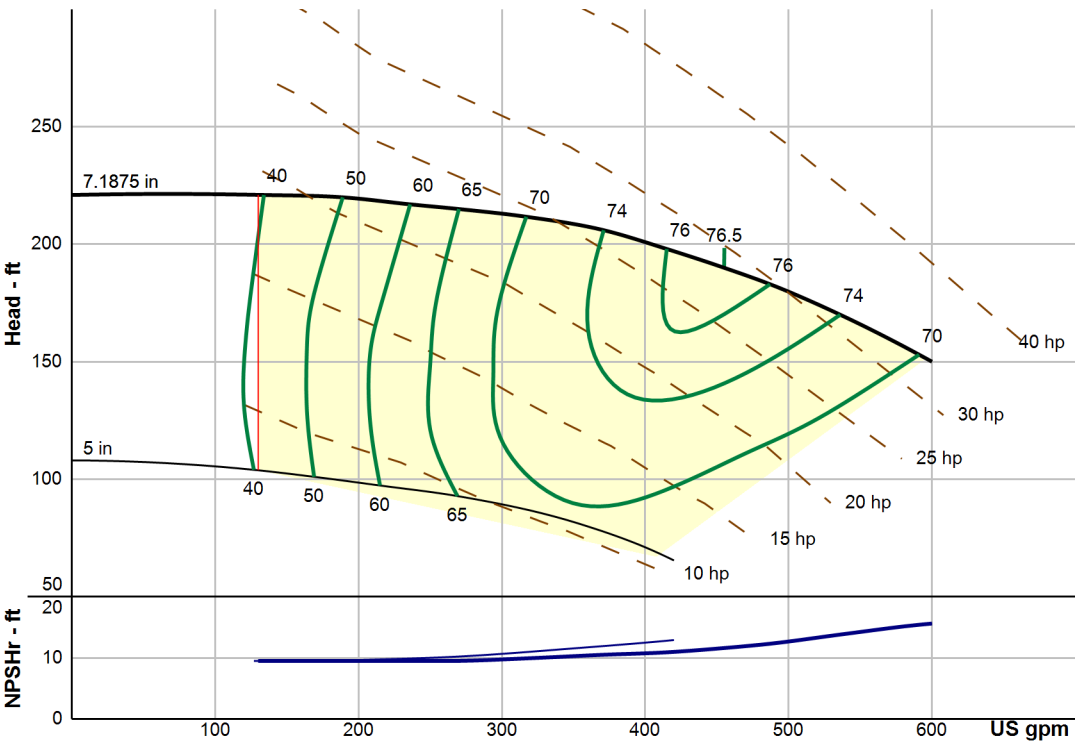
Search Criteria:			
Flow:	---	Near Miss:	---
Head:	---	Static Head:	0 ft

Pump Limits:			
Temperature:	---	Sphere Size:	0.34 in
Wkg Pressure:	---		

Motor:			
Standard:	NEMA	Size:	40 hp
Enclosure:	TEFC	Speed:	3600 rpm
Frame:	324TS		
Sizing Criteria:	Max Power on Design Curve		

Pump Selection Warnings:
None

--- Duty Point ---	
Flow:	455 US gpm
Head:	190 ft
Eff:	76.5%
Power:	28.6 hp
NPSHr:	11.6 ft
Speed:	3550 rpm
--- Design Curve ---	
Shutoff Head:	221 ft
Shutoff dP:	95.7 psi
Min Flow:	130 US gpm
BEP:	76.5% @ 455 US gpm
NOL Power:	32.9 hp @ 600 US gpm
--- Max Curve ---	
Max Power:	32.9 hp @ 600 US gpm



Performance Evaluation:						
Flow	Speed	Head	Efficiency	Power	NPSHr	
US gpm	rpm	ft	%	hp	ft	
576	3550	158	71.1	32.2	15	
480	3550	185	76.1	29.4	12.1	
384	3550	204	74.6	26.4	10.6	
288	3550	214	66.9	23.2	9.66	
192	3550	220	50.6	21	9.5	