

Company:  
Name:  
Date: 05/22/2024



Pump:			
Size:	4x6-10G MTO/LTO 6V	<u>Dimensions:</u>	
Type:	2196 ANSI	Suction:	6 in
Synch Speed:	1200 rpm	Discharge:	4 in
Dia:	10.25 in		
Curve:	---		
Impeller:	96M101R / 96L101R		

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

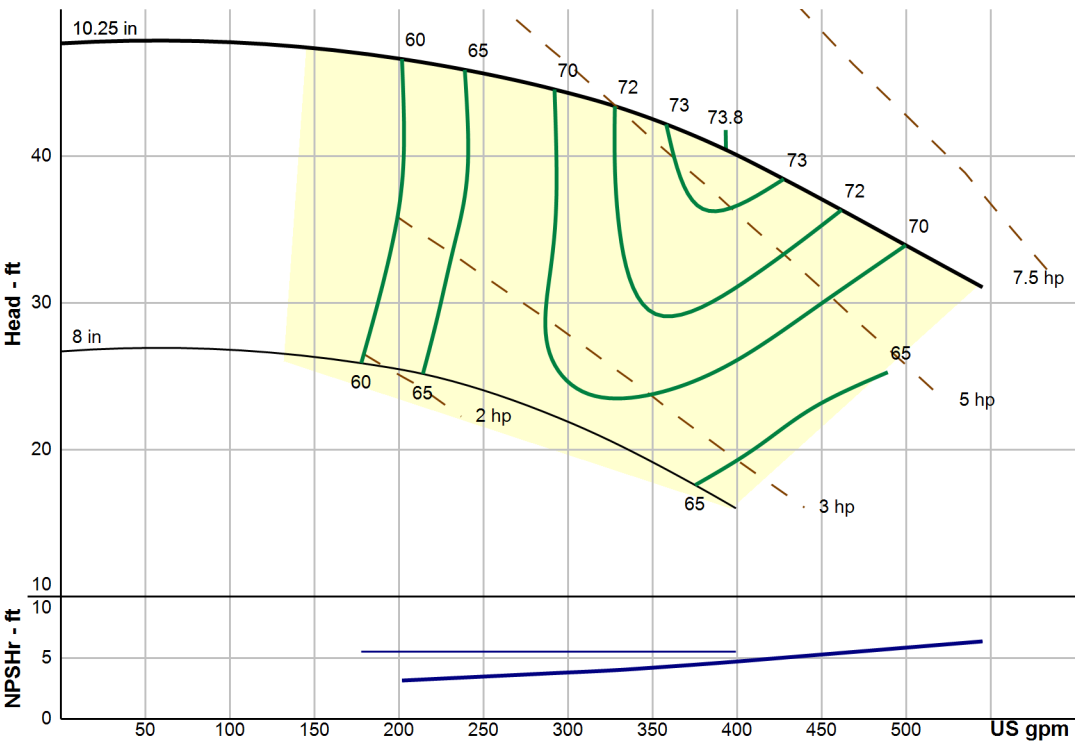
Search Criteria:			
Flow:	---	Near Miss:	---
Head:	---	Static Head:	0 ft

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

Motor:			
Standard:	NEMA	Size:	7.5 hp
Enclosure:	TEFC	Speed:	1200 rpm
Frame:	254T		
Sizing Criteria:	Max Power on Design Curve		

Pump Selection Warnings:	
None	

--- Duty Point ---	
Flow:	393 US gpm
Head:	40.4 ft
Eff:	73.8%
Power:	5.45 hp
NPSHr:	4.63 ft
Speed:	1150 rpm
--- Design Curve ---	
Shutoff Head:	47.7 ft
Shutoff dP:	20.7 psi
Min Flow:	--- US gpm
BEP:	73.8% @ 393 US gpm
NOL Power:	6.55 hp @ 545 US gpm
--- Max Curve ---	
Max Power:	6.55 hp @ 545 US gpm



Performance Evaluation:						
Flow	Speed	Head	Efficiency	Power	NPSHr	
US gpm	rpm	ft	%	hp	ft	
523	1150	32.5	67.6	6.34	6.09	
436	1150	37.9	72.8	5.74	5.11	
349	1150	42.5	72.7	5.15	4.19	
262	1150	45.3	67.2	4.45	3.55	
174	1150	46.8	56.3	3.73	3.13	