

Company:
Name:
Date: 05/21/2024



Pump:		
Size:	4x6-10H	Dimensions:
Type:	2196 ANSI	Suction: 6 in
Synch Speed:	1200 rpm	Discharge: 4 in
Dia:	10.25 in	
Curve:	SPTL_96118SS4610H	
Impeller:	96M101L	

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

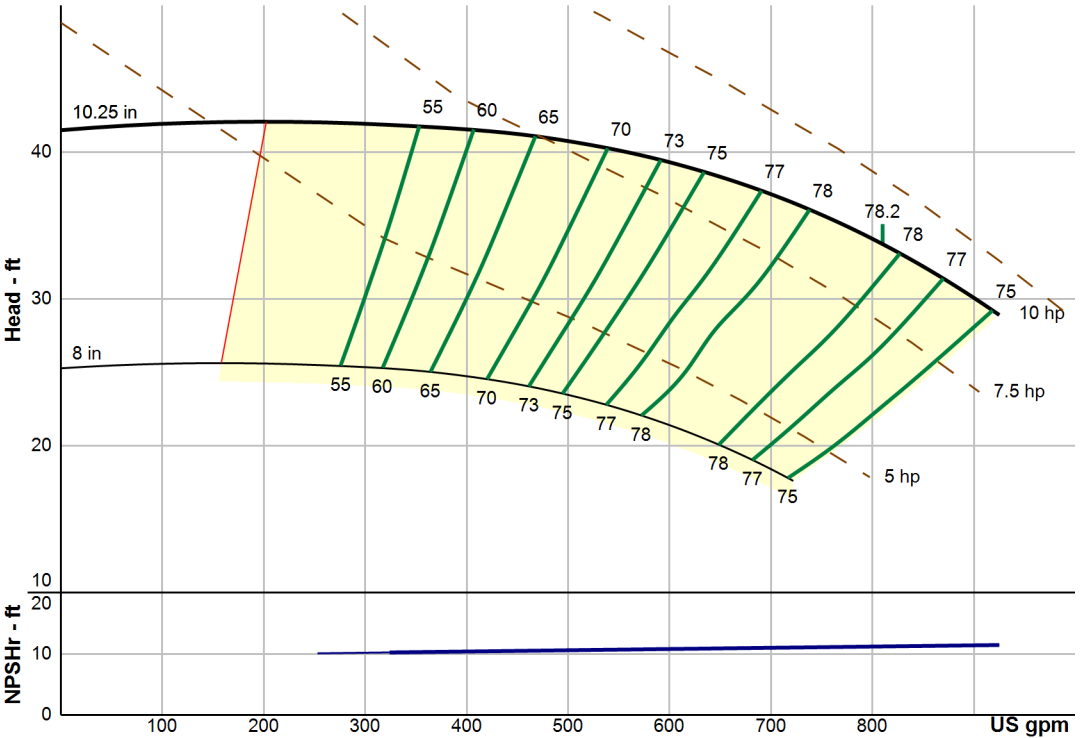
Search Criteria:		
Flow:	---	Near Miss: ---
Head:	---	Static Head: 0 ft

Pump Limits:		
Temperature:	---	Sphere Size: 0.75 in
Wkg Pressure:	---	

Motor:		
Standard:	NEMA	Size: 10 hp
Enclosure:	TEFC	Speed: 1200 rpm
Frame:	256T	
Sizing Criteria:	Max Power on Design Curve	

Pump Selection Warnings:		
None		

--- Duty Point ---	
Flow:	810 US gpm
Head:	33.7 ft
Eff:	78.2%
Power:	8.83 hp
NPSHr:	11.2 ft
Speed:	1180 rpm
--- Design Curve ---	
Shutoff Head:	41.5 ft
Shutoff dP:	18 psi
Min Flow:	203 US gpm
BEP: 78.2% @ 810 US gpm	
NOL Power:	9.04 hp @ 925 US gpm
--- Max Curve ---	
Max Power:	9.04 hp @ 925 US gpm



Performance Evaluation:						
Flow	Speed	Head	Efficiency	Power	NPSHr	
US gpm	rpm	ft	%	hp	ft	
888	1180	30.6	76.3	8.99	11.4	
740	1180	36	77.9	8.63	11.1	
592	1180	39.4	72.9	8.07	10.8	
444	1180	41.2	62.7	7.31	10.5	
296	1180	41.8	49.6	6.35	10.2	