

Company:
Name:
Date: 05/20/2024



Pump:			
Size:	3x4-8G	<u>Dimensions:</u>	
Type:	2196 ANSI	Suction:	4 in
Synch Speed:	3600 rpm	Discharge:	3 in
Dia:	8.375 in		
Curve:	SPTL_963507CC348GN		
Impeller:	96M101D		

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

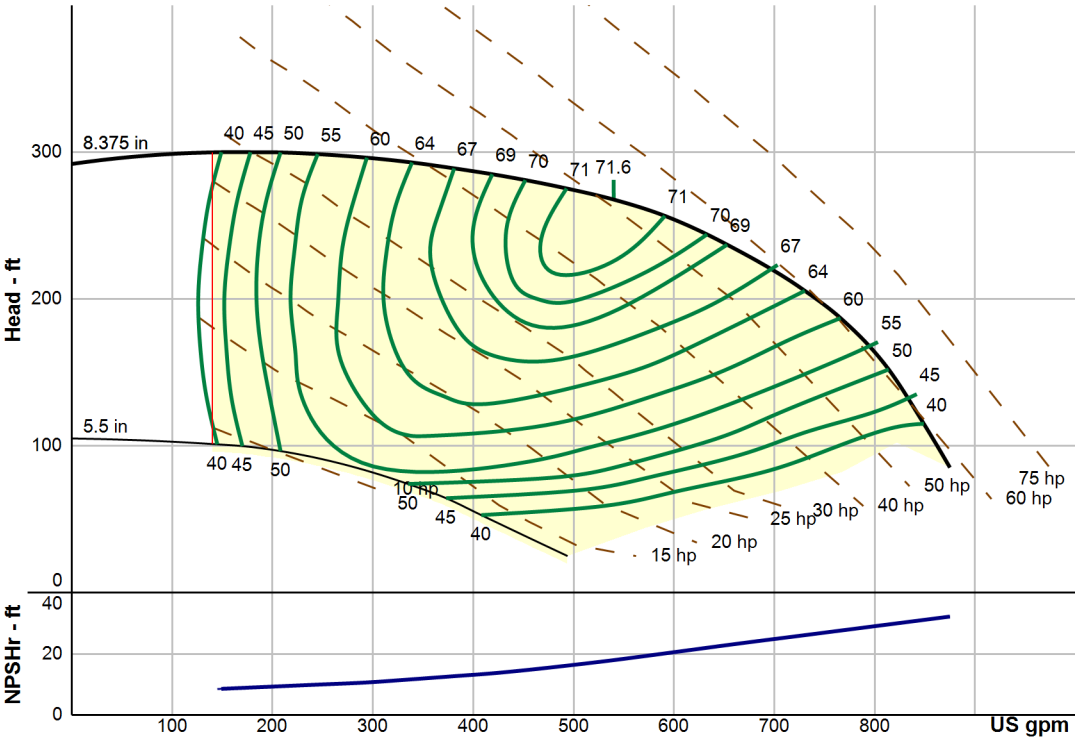
Search Criteria:			
Flow:	---	Near Miss:	---
Head:	---	Static Head:	0 ft

Pump Limits:			
Temperature:	---	Sphere Size:	0.68 in
Wkg Pressure:	---		

Motor:			
Standard:	NEMA	Size:	75 hp
Enclosure:	TEFC	Speed:	3600 rpm
Frame:	365TS		
Sizing Criteria:	Max Power on Design Curve		

Pump Selection Warnings:	
None	

--- Duty Point ---	
Flow:	540 US gpm
Head:	268 ft
Eff:	71.6%
Power:	51 hp
NPSHr:	17.9 ft
Speed:	3550 rpm
--- Design Curve ---	
Shutoff Head:	292 ft
Shutoff dP:	126 psi
Min Flow:	140 US gpm
BEP:	71.6% @ 540 US gpm
NOL Power:	62.5 hp @ 814 US gpm
--- Max Curve ---	
Max Power:	62.5 hp @ 814 US gpm



Performance Evaluation:						
Flow	Speed	Head	Efficiency	Power	NPSHr	
US gpm	rpm	ft	%	hp	ft	
840	3550	125	42.6	61.9	30.7	
700	3550	218	66	58.2	24.8	
560	3550	263	71.4	52.2	18.8	
420	3550	285	69	43.8	13.7	
280	3550	297	58.6	35.8	10.4	