

Company:  
Name:  
Date: 07/01/2024



**Pump:**

Size: SN04A  
Type: SN  
Synch Speed: Adjustable  
Dia: 9.75 in  
Curve: ---  
Impeller: SN04A-102

Dimensions:  
Suction: 4 in  
Discharge: 4 in

**Fluid:**

Name: Water  
SG: 1  
Density: 62.4 lb/ft<sup>3</sup>  
Viscosity: 1.1 cP  
Temperature: 60 °F

Vapor Pressure: 0.256 psi a  
Atm Pressure: 14.7 psi a  
Margin Ratio: 1

**Pump Limits:**

Temperature: ---  
Wkg Pressure: ---

Sphere Size: 3 in

**Motor:**

Consult Summit to select a motor for this pump.

**Search Criteria:**

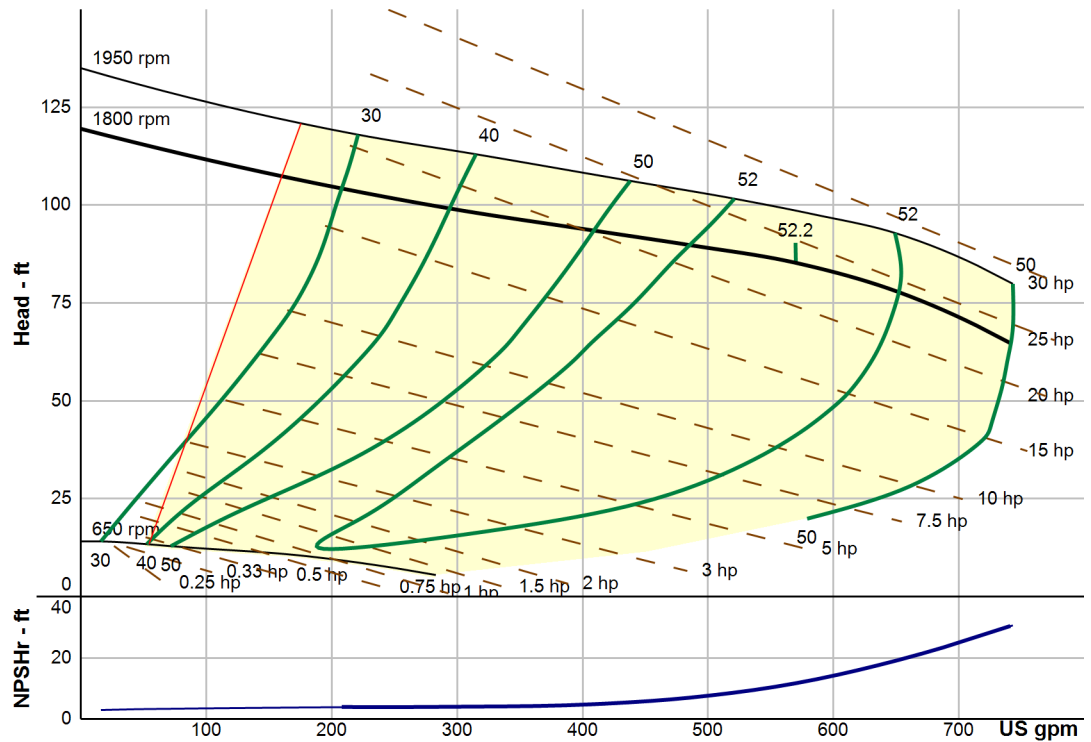
Flow: ---  
Head: ---

Near Miss: ---  
Static Head: 0 ft

**Pump Selection Warnings:**

None

--- Duty Point ---	
Flow:	570 US gpm
Head:	85.3 ft
Eff:	52%
Power:	23.5 hp
NPSHr:	11.7 ft
Speed:	1800 rpm
--- Design Curve ---	
Shutoff Head:	120 ft
Shutoff dP:	51.8 psi
Min Flow:	171 US gpm
BEP:	52.2% @ 570 US gpm
NOL Power:	24.6 hp @ 652 US gpm
--- Max Curve ---	
Max Power:	30 hp @ 743 US gpm



**Performance Evaluation:**

Flow	Speed	Head	Efficiency	Power	NPSHr
US gpm	rpm	ft	%	hp	ft
712	1800	69	51	24.4	26.8
593	1800	83.2	52	23.8	13.8
474	1800	90.3	52	20.9	6.67
356	1800	96.1	45	18.9	4.46
237	1800	103	33	18.3	3.96