

Company:
Name:
Date: 05/24/2024



Pump:

Size: 2x3-13
Type: 2196 ANSI
Synch Speed: 1800 rpm
Dia: 13 in
Curve: ---
Impeller: 96M101N

Dimensions:
Suction: 3 in
Discharge: 2 in

Fluid:

Name: Water
SG: 1
Density: 62.4 lb/ft³
Viscosity: 1.1 cP
Temperature: 60 °F
Vapor Pressure: 0.256 psi a
Atm Pressure: 14.7 psi a
Margin Ratio: 1

Search Criteria:

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

Pump Limits:

Temperature: ---
Wkg Pressure: ---
Sphere Size: 0.37 in

Motor:

Standard: NEMA
Enclosure: TEFC
Frame: 284T
Sizing Criteria: Max Power on Design Curve
Size: 25 hp
Speed: 1800 rpm

Pump Selection Warnings:

None

--- Duty Point ---

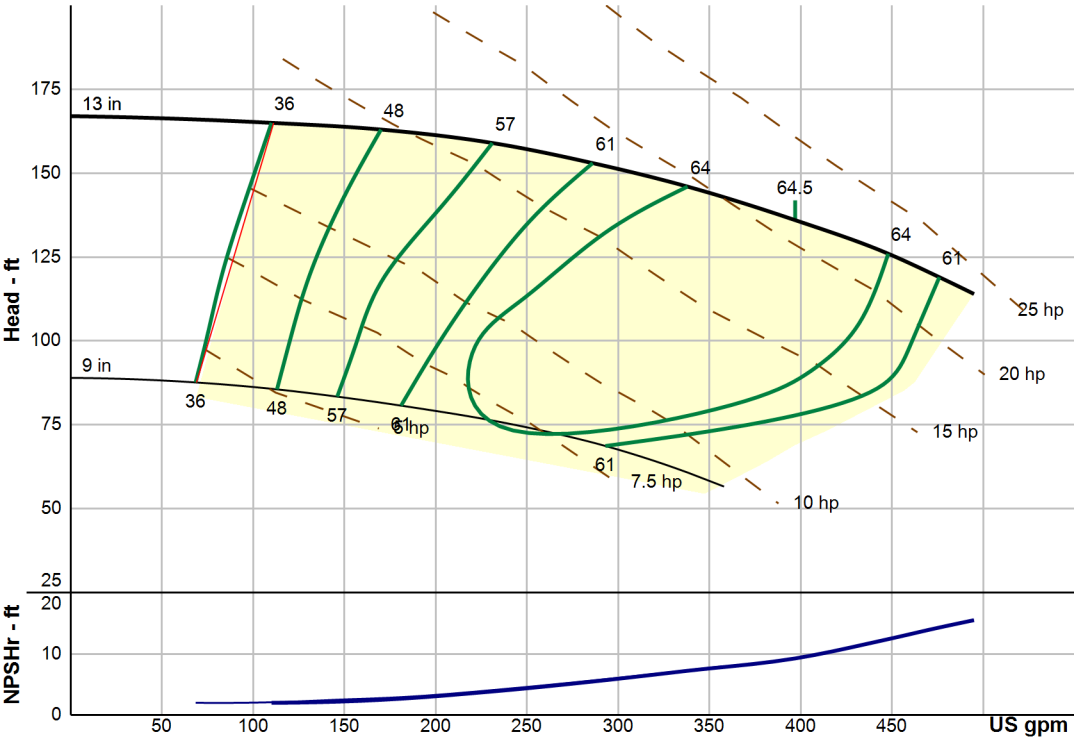
Flow: 397 US gpm
Head: 136 ft
Eff: 64.5%
Power: 21.2 hp
NPSHr: 9.25 ft
Speed: 1770 rpm

--- Design Curve ---

Shutoff Head: 167 ft
Shutoff dP: 72.3 psi
Min Flow: 111 US gpm
BEP: 64.5% @ 397 US gpm
NOL Power:
23.8 hp @ 495 US gpm

--- Max Curve ---

Max Power:
23.8 hp @ 495 US gpm



Performance Evaluation:

Flow	Speed	Head	Efficiency	Power	NPSHr
US gpm	rpm	ft	%	hp	ft
475	1770	119	61.1	23.4	14.2
396	1770	136	64.5	21.1	9.22
317	1770	149	62.8	18.9	6.52
238	1770	158	57.5	16.5	4.06
158	1770	163	45.6	14.2	2.38