

Company:
Name:
Date: 05/20/2024



Pump:

Size: 3x4-7
Type: 2196 ANSI
Synch Speed: 1800 rpm
Dia: 7.1875 in
Curve: ---
Impeller: 96M101A

Dimensions:
Suction: 4 in
Discharge: 3 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: 0.34 in

Motor:

Standard: NEMA
Enclosure: TEFC
Frame: 184T
Sizing Criteria: Max Power on Design Curve

Size: 5 hp
Speed: 1800 rpm

Pump Selection Warnings:

None

--- Duty Point ---

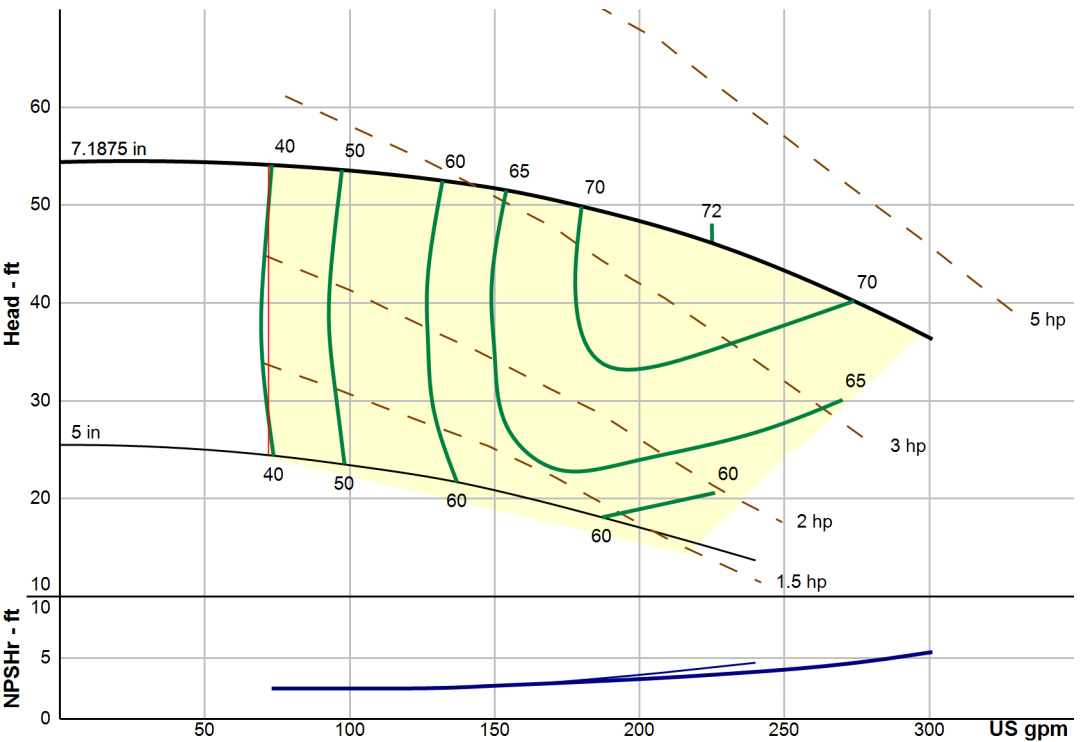
Flow: 225 US gpm
Head: 46.1 ft
Eff: 72%
Power: 3.64 hp
NPSHr: 3.61 ft
Speed: 1750 rpm

--- Design Curve ---

Shutoff Head: 54.4 ft
Shutoff dP: 23.6 psi
Min Flow: 72 US gpm
BEP: 72% @ 225 US gpm
NOL Power:
4.15 hp @ 301 US gpm

--- Max Curve ---

Max Power:
4.15 hp @ 301 US gpm



Performance Evaluation:

Flow	Speed	Head	Efficiency	Power	NPSHr
US gpm	rpm	ft	%	hp	ft
289	1750	38	68.1	4.07	5.07
241	1750	44.2	71.3	3.75	3.93
193	1750	48.8	70.6	3.36	3.2
145	1750	51.9	63	3.02	2.67
96.4	1750	53.6	49.6	2.63	2.5