

Company:
Name:
Date: 05/20/2024



Pump:

Size: 3x4-8
Type: 2196 ANSI
Synch Speed: 1800 rpm
Dia: 8.375 in
Curve: ---
Impeller: 96M101C

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: 1.12 in

Motor:

Standard: NEMA
Enclosure: TEFC
Frame: 254T
Sizing Criteria: Max Power on Design Curve

Size: 15 hp
Speed: 1800 rpm

Pump Selection Warnings:

None

--- Duty Point ---

Flow: 444 US gpm
Head: 63.9 ft
Eff: 78.5%
Power: 9.13 hp
NPSHr: 5.39 ft
Speed: 1750 rpm

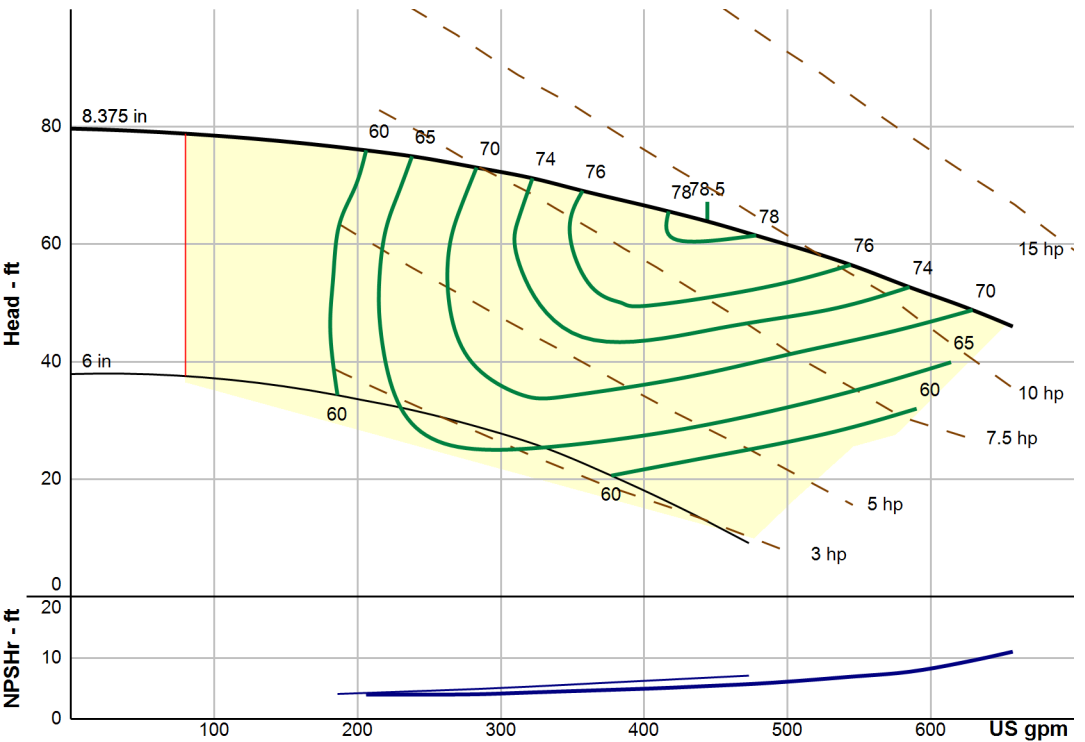
--- Design Curve ---

Shutoff Head: 79.7 ft
Shutoff dP: 34.5 psi

Min Flow: 80 US gpm
BEP: 78.5% @ 444 US gpm
NOL Power: 11.4 hp @ 657 US gpm

--- Max Curve ---

Max Power: 11.4 hp @ 657 US gpm



Performance Evaluation:

Flow	Speed	Head	Efficiency	Power	NPSHr
US gpm	rpm	ft	%	hp	ft
631	1750	48.6	69.8	11.1	9.66
526	1750	57.9	76.5	10	6.6
421	1750	65.3	78.1	8.9	5.14
316	1750	71.5	73.4	7.77	4.3
210	1750	75.9	60.6	6.63	4