

Company:
Name:
Date: 05/21/2024



Pump:

Size: 3x4-10
Type: 2196 ANSI
Synch Speed: 1800 rpm
Dia: 10 in
Curve: ---
Impeller: 96M101H

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: 0.62 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: 314 US gpm
Head: 89.9 ft
Eff: 69.5%
Power: 10.3 hp
NPSHr: 4.78 ft
Speed: 1750 rpm

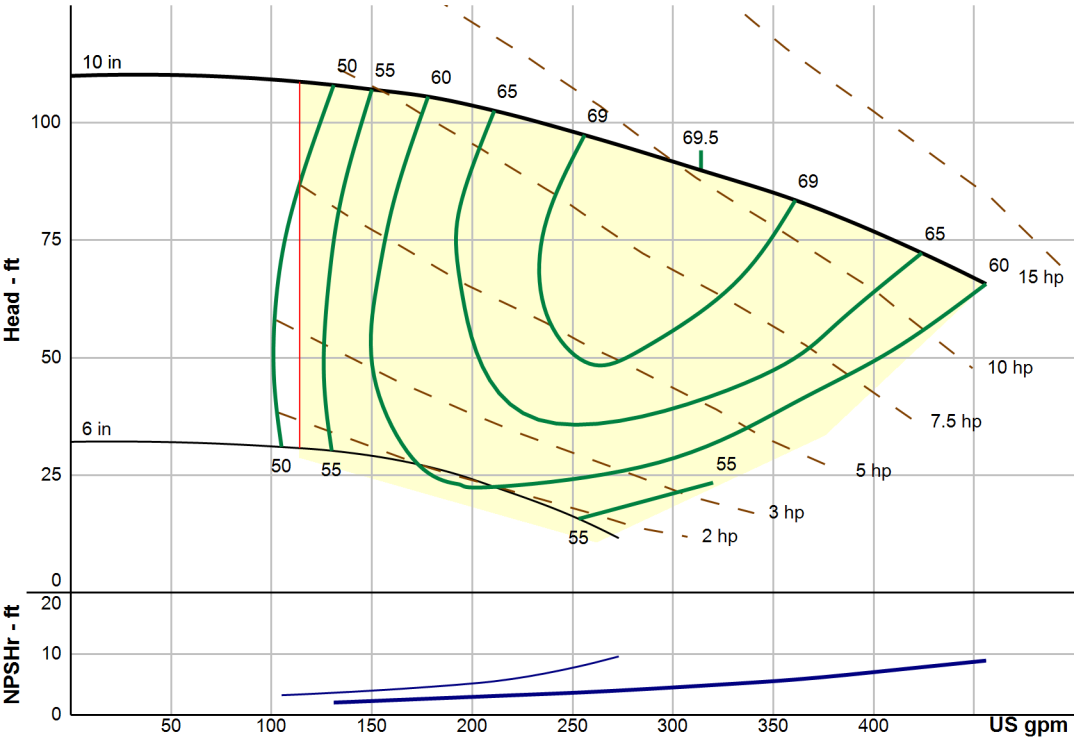
--- Design Curve ---

Shutoff Head: 110 ft
Shutoff dP: 47.6 psi

Min Flow: 114 US gpm
BEP: 69.5% @ 314 US gpm
NOL Power:
12.6 hp @ 456 US gpm

--- Max Curve ---

Max Power:
12.6 hp @ 456 US gpm



Performance Evaluation:

Flow	Speed	Head	Efficiency	Power	NPSHr
US gpm	rpm	ft	%	hp	ft
438	1750	69.4	62.8	12.2	8.29
365	1750	82.8	68.7	11.1	5.93
292	1750	92.7	69.3	9.83	4.38
219	1750	102	65.7	8.54	3.22
146	1750	107	53.9	7.33	2.24