

Company:
Name:
Date: 05/20/2024



Pump:

Size: 3x4-8
Type: 2196 ANSI
Synch Speed: 1200 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: 215T
Sizing Criteria: Max Power on Design Curve

Size: 5 hp
Speed: 1200 rpm

Pump Selection Warnings:

None

--- Duty Point ---

Flow: 302 US gpm
Head: 27.2 ft
Eff: 75%
Power: 2.77 hp
NPSHr: 2.66 ft
Speed: 1150 rpm

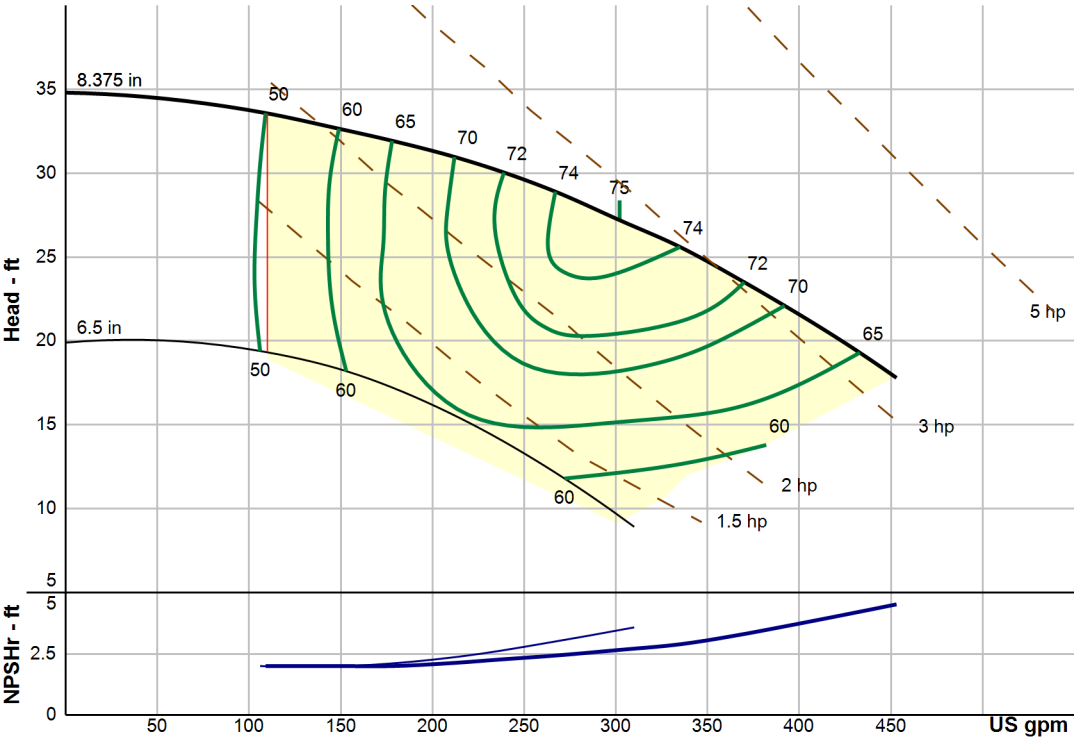
--- Design Curve ---

Shutoff Head: 34.8 ft
Shutoff dP: 15.1 psi

Min Flow: 110 US gpm
BEP: 75% @ 302 US gpm
NOL Power:
3.28 hp @ 453 US gpm

--- Max Curve ---

Max Power:
3.28 hp @ 453 US gpm



Performance Evaluation:

Flow	Speed	Head	Efficiency	Power	NPSHr
US gpm	rpm	ft	%	hp	ft
434	1150	19.2	64.9	3.25	4.23
362	1150	24	72.5	3.02	3.21
290	1150	27.8	74.7	2.72	2.58
217	1150	30.8	70.4	2.4	2.16
145	1150	32.7	59	2.03	2