

Company:
Name:
Date: 05/10/2024



Pump:

Size: 1x1.5-6
Type: 2196 ANSI
Synch Speed: 3600 rpm
Dia: 6.0625 in
Curve: ---
Impeller: 96S101B

Dimensions:
Suction: 1.5 in
Discharge: 1 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: --- Near Miss: ---
Head: --- Static Head: 0 ft

Pump Limits:

Temperature: --- Sphere Size: 0.34 in
Wkg Pressure: ---

Motor:

Standard: NEMA Size: 7.5 hp
Enclosure: TEFC Speed: 3600 rpm
Frame: 213T
Sizing Criteria: Max Power on Design Curve

Pump Selection Warnings:

None

--- Duty Point ---

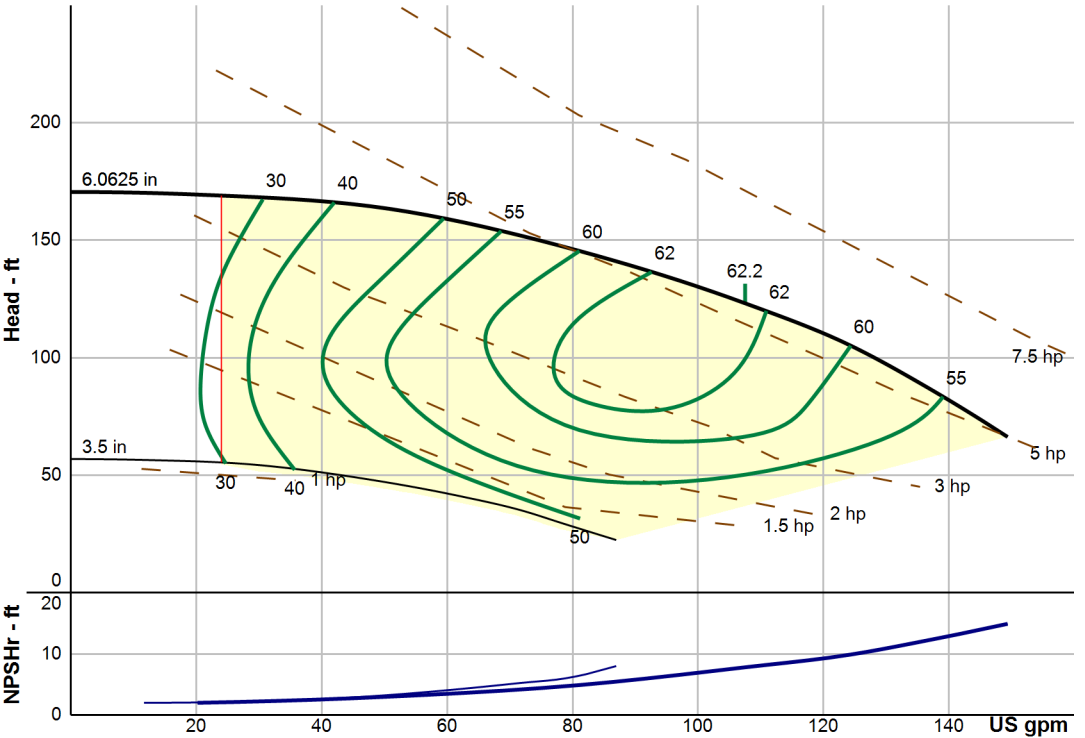
Flow: 108 US gpm
Head: 123 ft
Eff: 62.2%
Power: 5.38 hp
NPSHr: 7.8 ft
Speed: 3550 rpm

--- Design Curve ---

Shutoff Head: 171 ft
Shutoff dP: 73.9 psi
Min Flow: 24 US gpm
BEP: 62.2% @ 108 US gpm
NOL Power:
5.5 hp @ 124 US gpm

--- Max Curve ---

Max Power:
5.5 hp @ 124 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
143	3550	76.7	53	5.19	13.6
119	3550	111	60.7	5.46	9.22
95.2	3550	134	61.2	5.19	6.45
71.4	3550	151	55.2	4.86	4.29
47.6	3550	164	43.1	4.51	2.9