

Company:
Name:
Date: 05/20/2024



Pump:

Size: 1.5x3-10
Type: 2196 ANSI
Synch Speed: 1800 rpm
Dia: 10 in
Curve: SPTL_96175DS15310
Impeller: 96M101F

Dimensions:
Suction: 3 in
Discharge: 1.5 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

Pump Limits:

Temperature: ---
Wkg Pressure: ---
Sphere Size: 0.21 in

Motor:

Standard: NEMA
Enclosure: TEFC
Frame: 213T
Sizing Criteria: Max Power on Design Curve
Size: 7.5 hp
Speed: 1800 rpm

Search Criteria:

Flow: ---
Head: ---
Near Miss: ---
Static Head: 0 ft

Pump Selection Warnings:

None

--- Duty Point ---

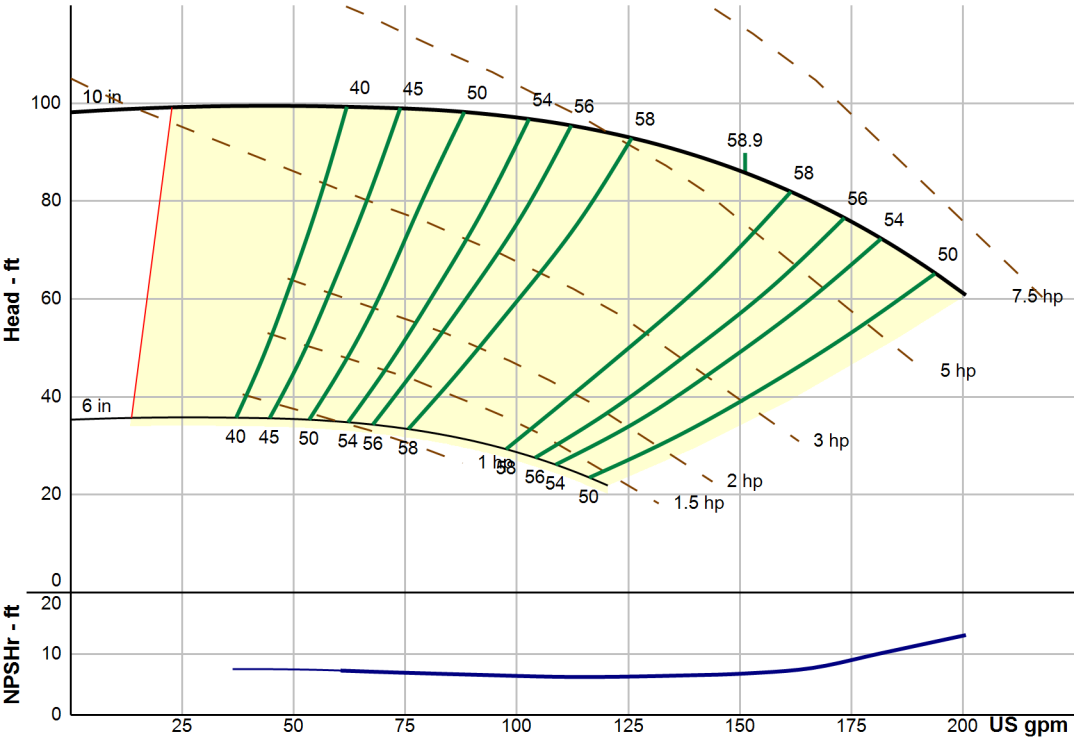
Flow: 151 US gpm
Head: 85.8 ft
Eff: 58.9%
Power: 5.57 hp
NPSHr: 6.78 ft
Speed: 1750 rpm

--- Design Curve ---

Shutoff Head: 98.2 ft
Shutoff dP: 42.5 psi
Min Flow: 22.7 US gpm
BEP: 58.9% @ 151 US gpm
NOL Power:
6.5 hp @ 201 US gpm

--- Max Curve ---

Max Power:
6.5 hp @ 201 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
193	1750	65.5	50.1	6.36	11.9
161	1750	82	57.9	5.75	7.37
129	1750	91.9	58	5.15	6.38
96.6	1750	97.3	52.2	4.53	6.49
64.4	1750	99.1	40.9	3.93	7.17