

Company:
Name:
Date: 05/17/2024



Pump:

Size: 1.5x3-8
Type: 2196 ANSI
Synch Speed: 3600 rpm
Dia: 8 in
Curve: SPTL_96355SS1538N
Impeller: 96S101E
Specific Speeds: Ns: 779
Nss: 8582

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: 0.43 in

Motor:

Standard: NEMA
Enclosure: TEFC
Frame: 286TS
Sizing Criteria: Max Power on Design Curve
Size: 30 hp
Speed: 3600 rpm

Search Criteria:

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

Pump Selection Warnings:

None

--- Duty Point ---

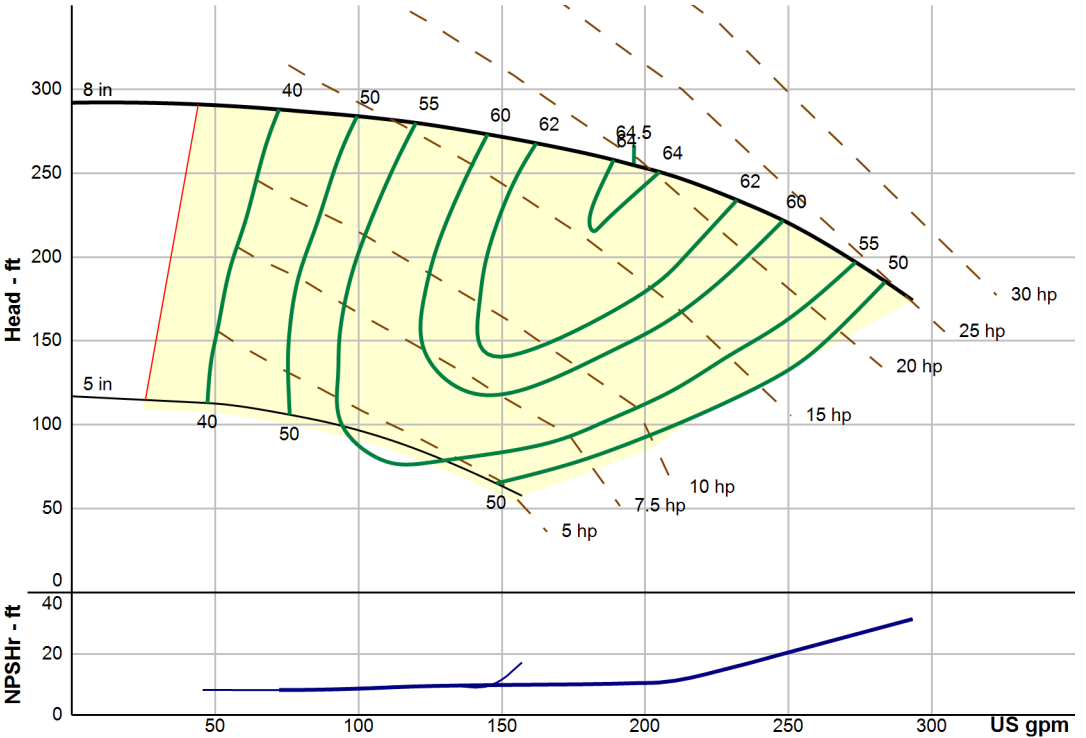
Flow: 196 US gpm
Head: 255 ft
Eff: 64.5%
Power: 19.6 hp
NPSHr: 10.4 ft
Speed: 3550 rpm

--- Design Curve ---

Shutoff Head: 292 ft
Shutoff dP: 126 psi
Min Flow: 44.1 US gpm
BEP: 64.5% @ 196 US gpm
NOL Power:
25.1 hp @ 293 US gpm

--- Max Curve ---

Max Power:
25.1 hp @ 293 US gpm



Performance Evaluation:

Flow	Speed	Head	Efficiency	Power	NPSHr
US gpm	rpm	ft	%	hp	ft
282	3550	187	53.5	24.9	28.5
235	3550	232	61.6	22.3	16.7
188	3550	258	63.9	19.2	10.2
141	3550	274	59.2	16.5	9.7
94	3550	285	48	14.1	8.5