

Company:
Name:
Date: 05/21/2024



Pump:

Size: 4x6-10
Type: 2196 ANSI
Synch Speed: 1200 rpm
Dia: 10 in
Curve: ---
Impeller: 96M101K

Dimensions:
Suction: 6 in
Discharge: 4 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: 1 in

Motor:

Standard: NEMA
Enclosure: TEFC
Frame: 256T
Sizing Criteria: Max Power on Design Curve
Size: 10 hp
Speed: 1200 rpm

Search Criteria:

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

Pump Selection Warnings:

None

--- Duty Point ---

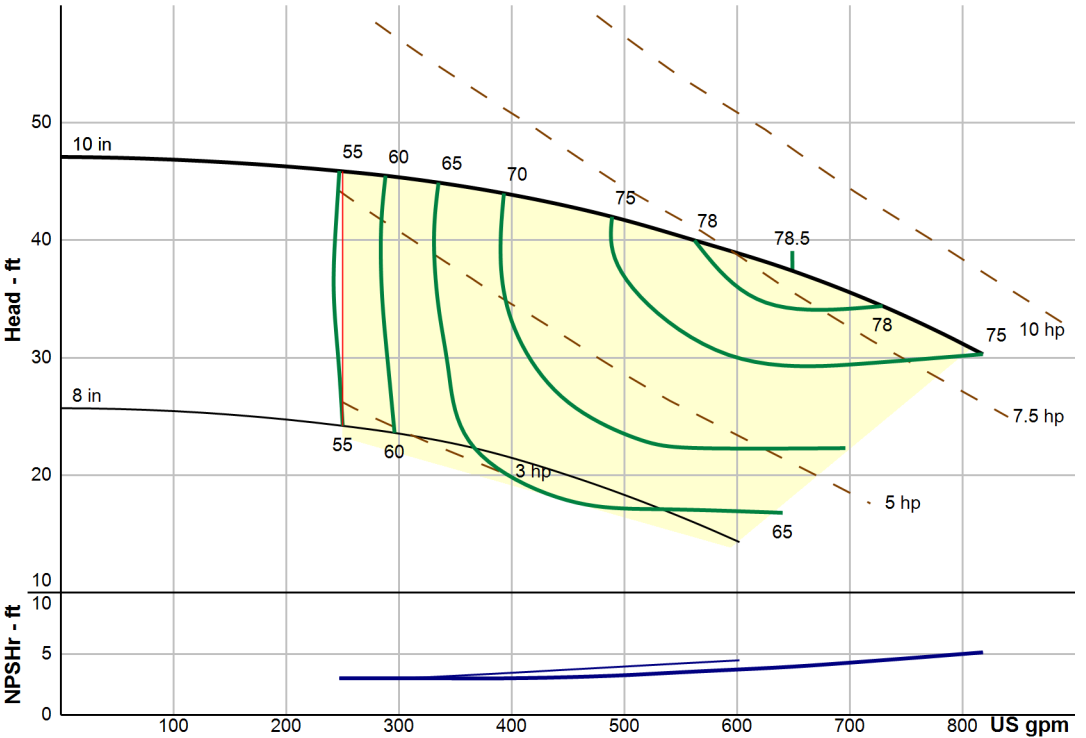
Flow: 649 US gpm
Head: 37.4 ft
Eff: 78.5%
Power: 7.81 hp
NPSHr: 3.95 ft
Speed: 1150 rpm

--- Design Curve ---

Shutoff Head: 47.1 ft
Shutoff dP: 20.4 psi
Min Flow: 250 US gpm
BEP: 78.5% @ 649 US gpm
NOL Power:
8.35 hp @ 818 US gpm

--- Max Curve ---

Max Power:
8.35 hp @ 818 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
785	1150	31.8	76.1	8.26	4.88
654	1150	37.2	78.5	7.83	3.98
523	1150	41.1	76.4	7.09	3.37
392	1150	44	69.9	6.23	3
262	1150	45.8	56.8	5.32	3