

Company:
Name:
Date: 05/22/2024



Pump:

Size: 4x6-10G MTO/LTO 6V **Dimensions:**
 Type: 2196 ANSI Suction: 6 in
 Synch Speed: 1800 rpm Discharge: 4 in
 Dia: 10.25 in
 Curve: ---
 Impeller: 96M101R / 96L101R

Fluid:

Name: Water
 SG: 1 Vapor Pressure: 0.256 psi a
 Density: 62.4 lb/ft³ Atm Pressure: 14.7 psi a
 Viscosity: 1.1 cP
 Temperature: 60 °F Margin Ratio: 1

Search Criteria:

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

Pump Limits:

Temperature: --- Sphere Size: ---
 Wkg Pressure: ---

Motor:

Standard: NEMA Size: 25 hp
 Enclosure: TEFC Speed: 1800 rpm
 Frame: 284T
 Sizing Criteria: Max Power on Design Curve

Pump Selection Warnings:

None

--- Duty Point ---

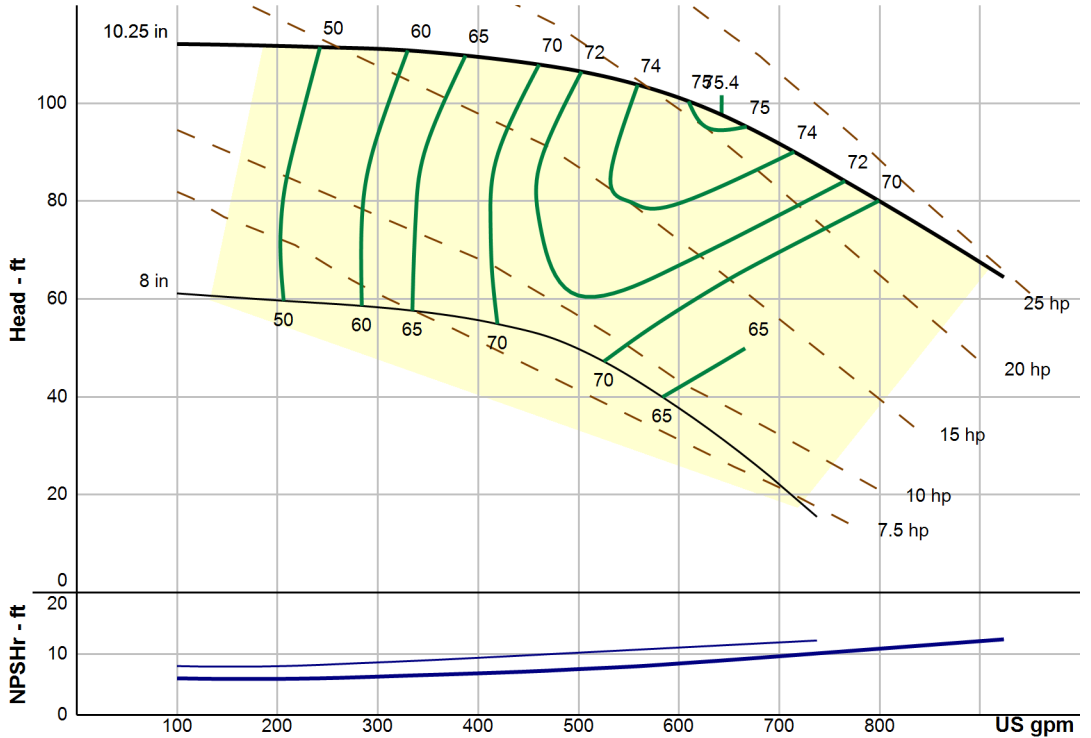
Flow: 642 US gpm
 Head: 97.6 ft
 Eff: 75.4%
 Power: 21 hp
 NPSHr: 8.9 ft
 Speed: 1750 rpm

--- Design Curve ---

Shutoff Head: 112 ft
 Shutoff dP: 48.6 psi
 Min Flow: --- US gpm
 BEP: 75.4% @ 642 US gpm
 NOL Power:
 24.7 hp @ 924 US gpm

--- Max Curve ---

Max Power:
 24.7 hp @ 924 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
887	1750	69.1	63.7	24.2	11.9
739	1750	87.2	73	22.3	10.1
591	1750	102	74.6	20.3	8.32
443	1750	108	68.8	17.6	7.08
296	1750	111	56.1	14.7	6.27