

Company: Fristam Pumps U.S.A.

Name:

Date: 03/27/08



Pump:

Size: FZ-20
 Type: FZ
 Synch speed: 1800 rpm
 Curve:
 Specific Speeds:
 Dimensions:
 Speed: 1750 rpm
 Dia: 200 mm
 Impeller:
 Ns: ---
 Nss: ---
 Suction: 2 in
 Discharge: 2 in

Search Criteria:

Flow: --- US gpm
 Head: --- ft

Fluid:

Water
 SG: 1
 Viscosity: 1.105 cP
 NPSHa: --- ft
 Temperature: 60 °F
 Vapor pressure: 0.2563 psi a
 Atm pressure: 14.7 psi a

Motor:

Standard: NEMA
 Enclosure: TEFC
 Sizing criteria: Max Power on Design Curve
 Size: 10 hp
 Speed: 1800
 Frame: 215TC

Pump Limits:

Temperature: 350 °F
 Pressure: 150 psi g
 Sphere size: --- in
 Power: --- hp
 Eye area: --- in²

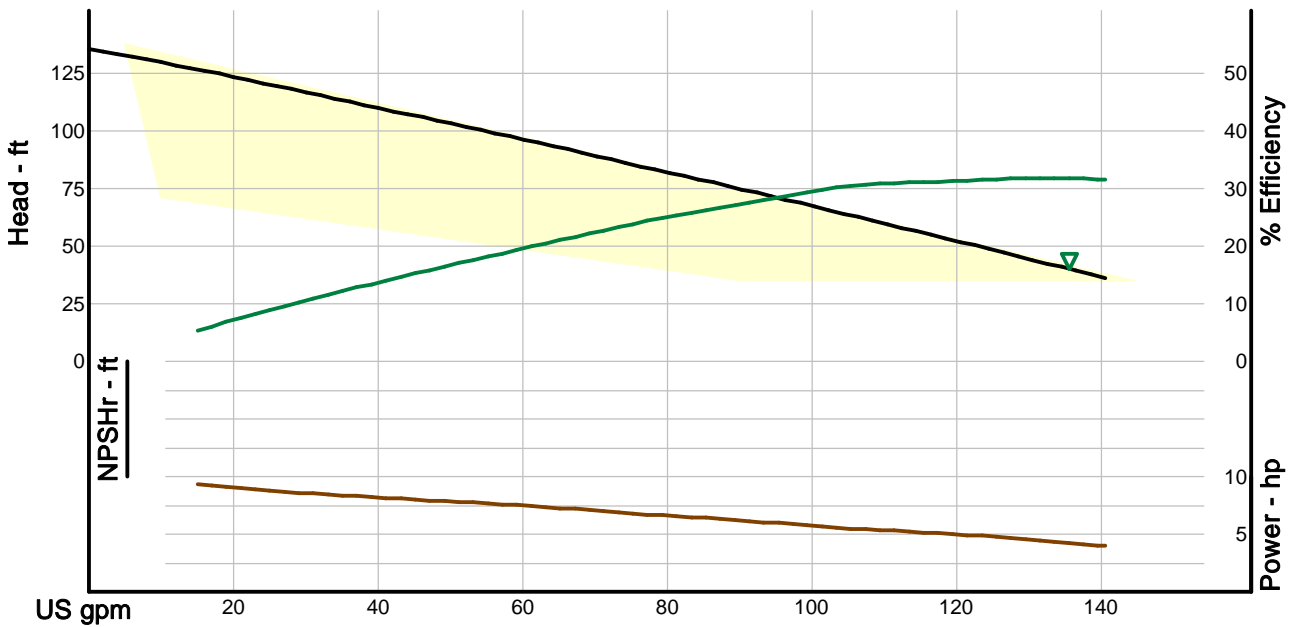
---- Data Point ----

Flow: 135 US gpm
 Head: 39.1 ft
 Eff: 31.3%
 Power: 4.25 hp
 NPSHr: --- ft

-- Design Curve --

Shutoff Head: 134 ft
 Shutoff dP: 57.9 psi
 Min Flow: 10 US gpm
 BEP: 31.3% eff
 @ 135 US gpm
 NOL Pwr: 9.51 hp
 @ 10 US gpm

-- Max Curve --



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Pump %eff	Power hp	NPSHr ft
134	1750	39.9	31.3	4.3	---
112	1750	56.8	30.3	5.26	---
89.6	1750	73.7	26.8	6.21	---
67.2	1750	89.7	21.2	7.14	---
44.8	1750	105	14.8	8	---