



Company: Bonneville Power Administration

Name:

Date: 2/8/2007

Selection: FPI

Pump:

Size: AF10-10-1750

Type: AXIAL FLOW

Synch speed: 1800 rpm

Curve:

Specific Speeds:

Dimensions:

Speed: 1750 rpm

Line: A

Impeller:

Ns: ---

Nss: ---

Suction: --- in

Discharge: --- in

Pump Limits:

Temperature: --- °F

Pressure: --- psi g

Sphere size: --- in

Power: --- hp

Eye area: --- in²

Search Criteria:

Flow: --- US gpm

Head: --- ft

Fluid:

Water

Density: 62.25 lb/ft³

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

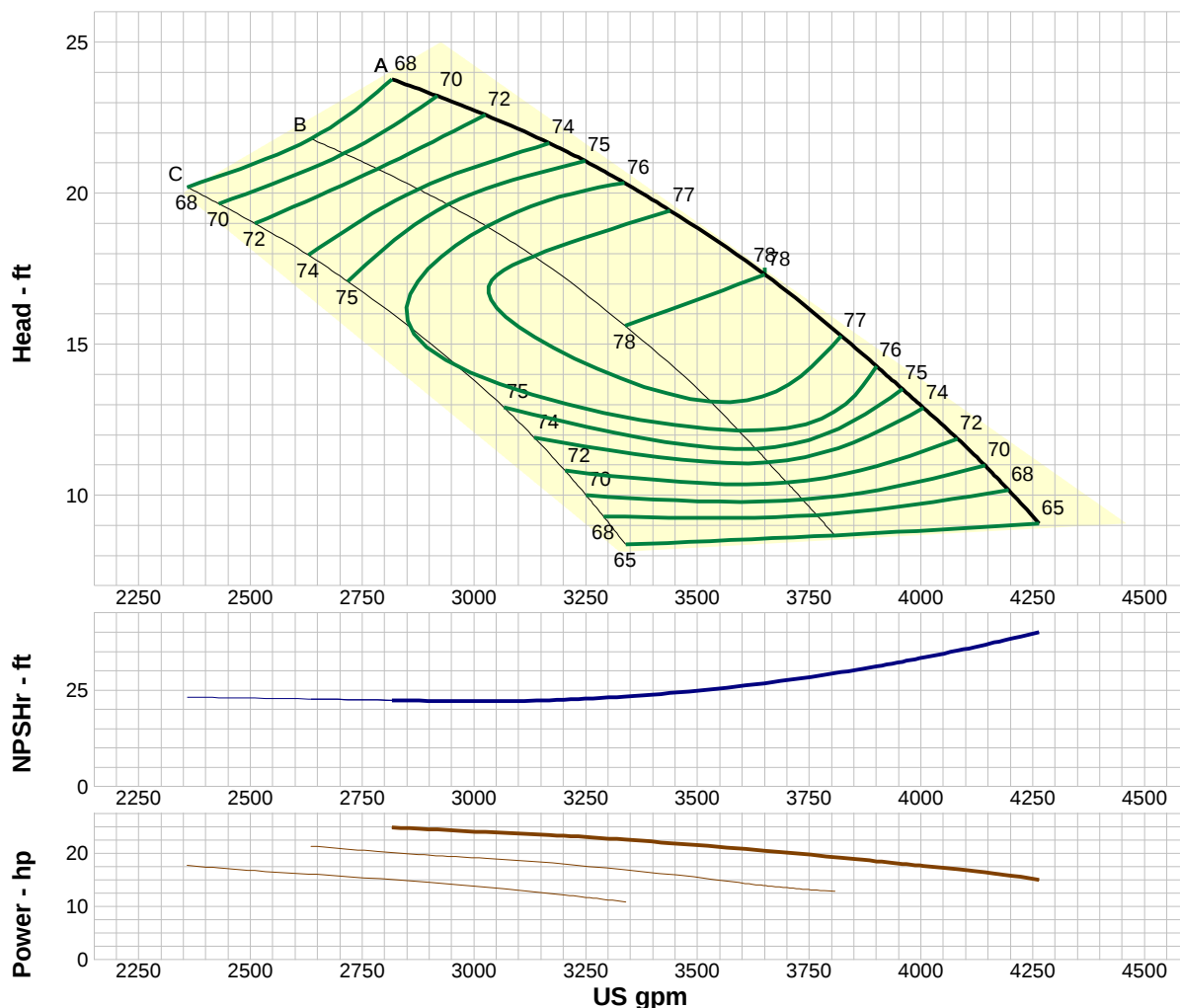
Size: 25 hp

Speed: 1800

Frame: 284T

Sizing criteria: Max Power on Design Curve

---- Data Point ----	
Flow:	3650 US gpm
Head:	17.3 ft
Eff:	78%
Power:	20.4 hp
NPSHr:	26.8 ft
---- Design Curve ----	
Shutoff head:	23.6 ft
Shutoff dP:	10.2 psi
Min flow:	--- US gpm
BEP:	78% @ 3650 US gpm
NOL power:	24.8 hp @ 2815 US gpm
-- Max Curve --	
Max power:	24.8 hp @ 2815 US gpm



The performance is guaranteed for the design point only when pumping clean water at 85 degrees F. Consult factory for certified performance curve.

Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
4092	1750	11.7	71.6	16.9	35.5
3410	1750	19.7	76.7	22.1	24
2728	1750	---	---	---	---
2046	1750	---	---	---	---
1364	1750	---	---	---	---