



Company: Bonneville Power Administration

Name:

Date: 2/8/2007

Selection: FPI

Pump:

Size: AF36-30-355

Type: AXIAL FLOW

Synch speed: 360 rpm

Curve:

Specific Speeds:

Dimensions:

Speed: 355 rpm

Line: A (36)

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

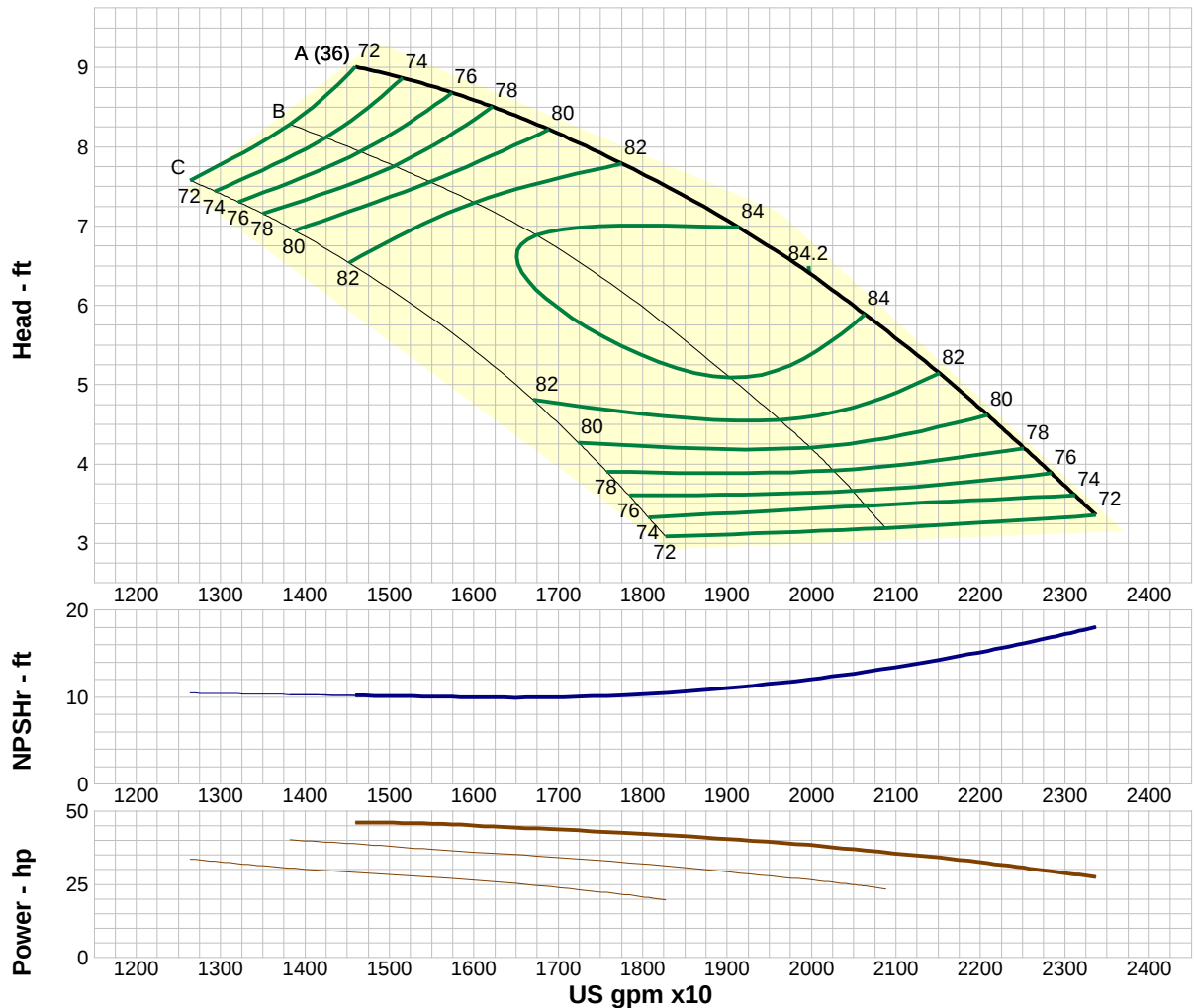
--- hp

Speed: ---

Frame: ---

Sizing criteria: Max Power on Design Curve

---- Data Point ----	
Flow:	19965 US gpm
Head:	6.41 ft
Eff:	84.2%
Power:	38.4 hp
NPSHr:	12 ft
---- Design Curve ----	
Shutoff head:	8.69 ft
Shutoff dP:	3.76 psi
Min flow:	--- US gpm
BEP:	84.2% @ 19965 US gpm
NOL power:	46.1 hp @ 14584 US gpm
-- Max Curve --	
Max power:	46.1 hp @ 14584 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
22429	355	4.28	78.4	30.9	16
18691	355	7.24	83.4	40.9	10.9
14953	355	8.92	73.3	45.9	10.2
11215	355	---	---	---	---
7476	355	---	---	---	---