



Company: Bonneville Power Administration

Name:

Date: 2/8/2007

Selection: FPI

Pump:

Size: AF30-26-440

Type: AXIAL FLOW

Synch speed: 450 rpm

Curve:

Specific Speeds:

Dimensions:

Speed: 440 rpm

Line: A (30)

Impeller:

Ns: ---

Nss: ---

Suction: --- in

Discharge: --- in

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

Pump Limits:

Temperature: --- °F

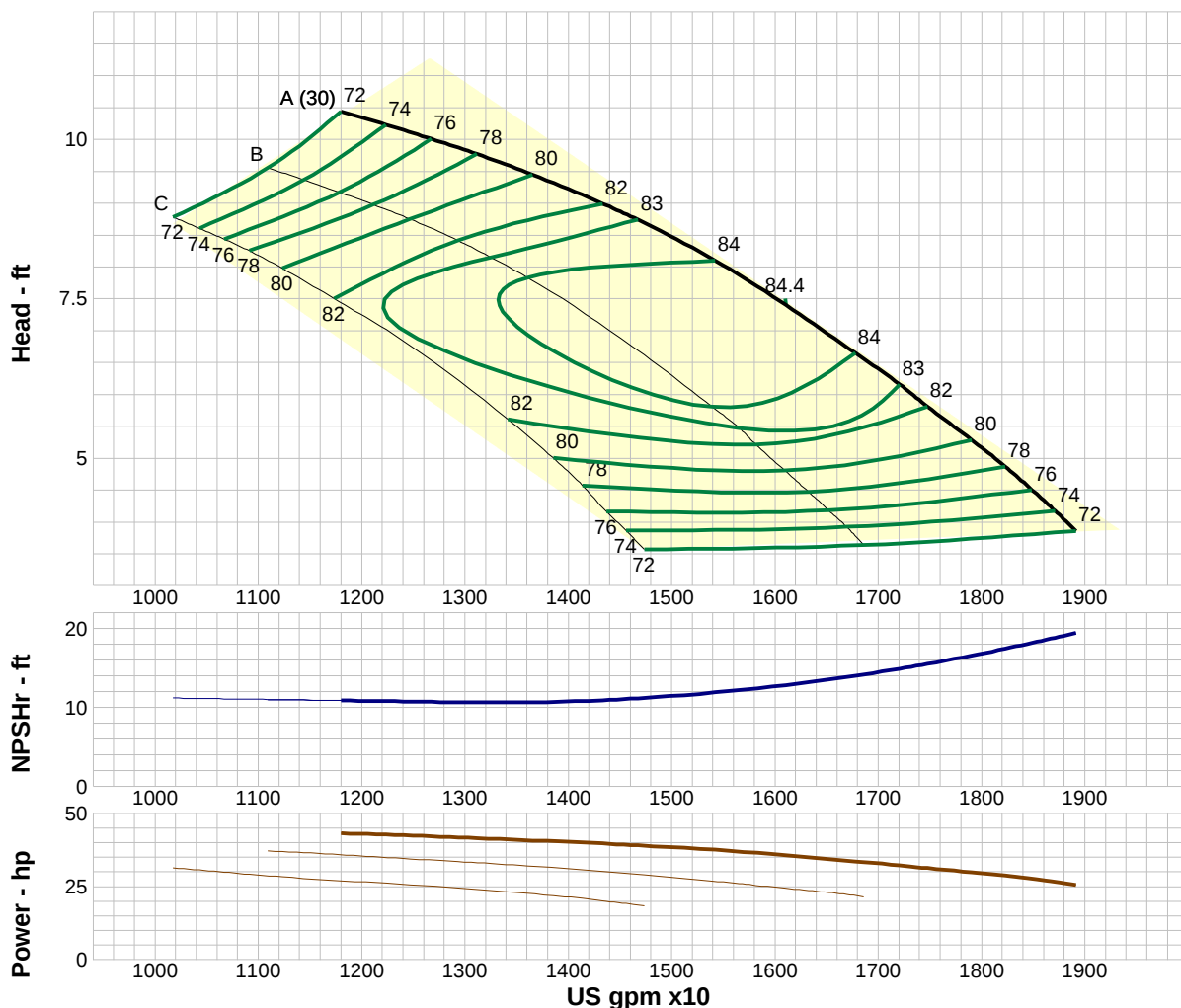
Pressure: --- psi g

Sphere size: --- in

Power: --- hp

Eye area: --- in²

---- Data Point ----	
Flow:	16102 US gpm
Head:	7.4 ft
Eff:	84.4%
Power:	35.7 hp
NPSHr:	12.9 ft
---- Design Curve ----	
Shutoff head:	10 ft
Shutoff dP:	4.33 psi
Min flow:	--- US gpm
BEP:	84.4% @ 16102 US gpm
NOL power:	43.2 hp @ 11793 US gpm
-- Max Curve --	
Max power:	43.2 hp @ 11793 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
18155	440	4.96	78.4	29	17.3
15129	440	8.35	83.6	38.1	11.6
12103	440	10.3	73.4	42.8	10.8
9077	440	---	---	---	---
6052	440	---	---	---	---