



Company: Bonneville Power Administration

Name:

Date: 2/8/2007

Selection: FPI

Pump:

Size: AF24-21-585
 Type: AXIAL FLOW
 Synch speed: 600 rpm
 Curve:
 Specific Speeds:
 Dimensions: Suction: --- in
 Discharge: --- in

Speed: 585 rpm
 Line: A (24)
 Impeller:
 Ns: ---
 Nss: ---

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 --- hp
 Enclosure: TEFC 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 ----

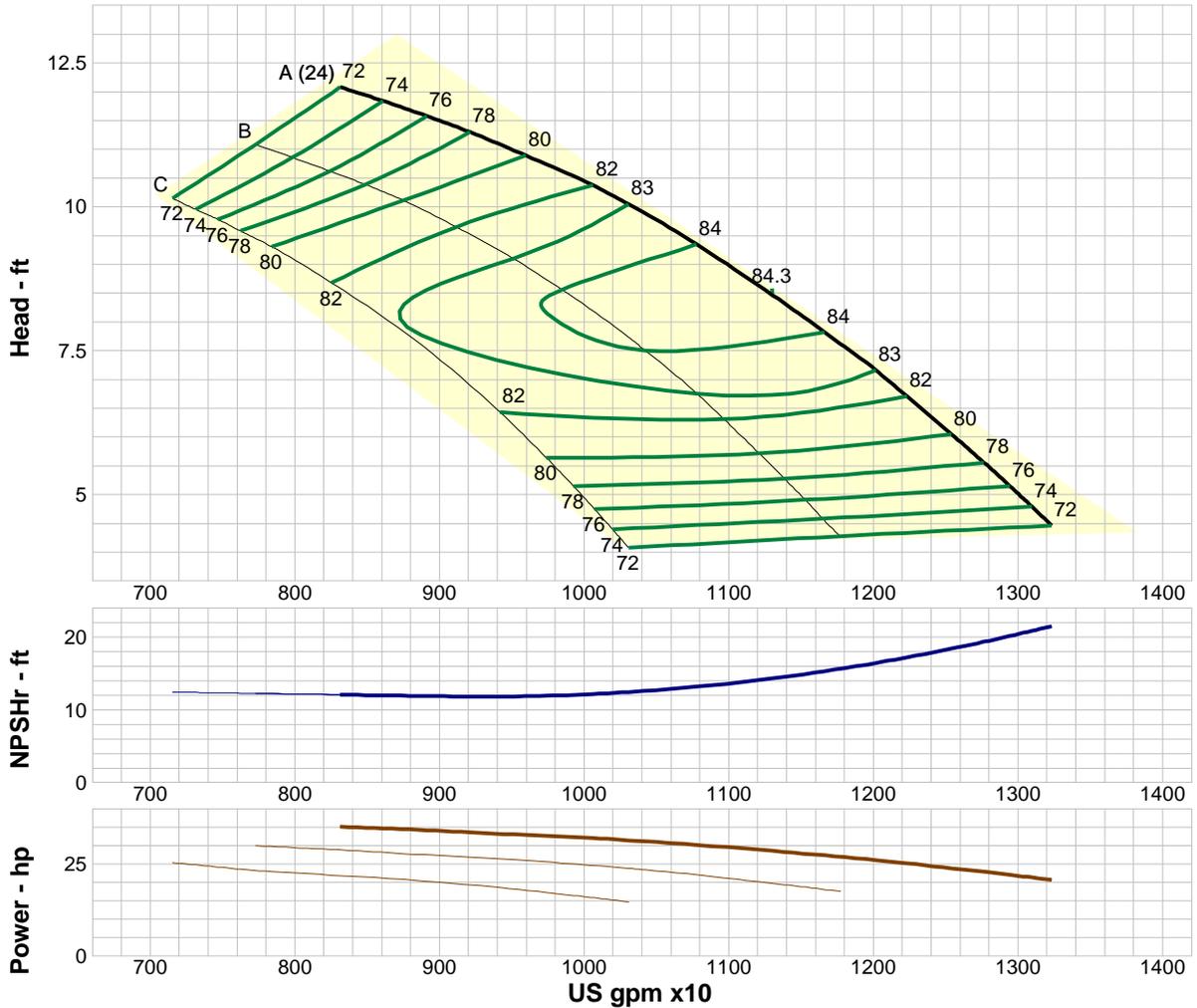
Flow: 11301 US gpm
 Head: 8.47 ft
 Eff: 84.3%
 Power: 28.7 hp
 NPSHr: 14.3 ft

---- Design Curve ----

Shutoff head: 11.6 ft
 Shutoff dP: 5.01 psi
 Min flow: --- US gpm
 BEP: 84.3% @ 11301 US gpm
 NOL power: 35.2 hp @ 8310 US gpm

-- Max Curve --

Max power: 35.2 hp @ 8310 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
12700	585	5.69	78.5	23.2	19.1
10583	585	9.63	83.6	30.8	12.9
8466	585	12	73.1	35	12
6350	585	---	---	---	---
4233	585	---	---	---	---