



Company: Bonneville Power Administration

Name:

Date: 2/8/2007

Selection: FPI

Pump:

Size: AF-60-54-320

Type: AXIAL FLOW
Synch speed: 327 rpm

Curve:

Specific Speeds:

Dimensions:

Speed: 320 rpm
Line: A

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: ---

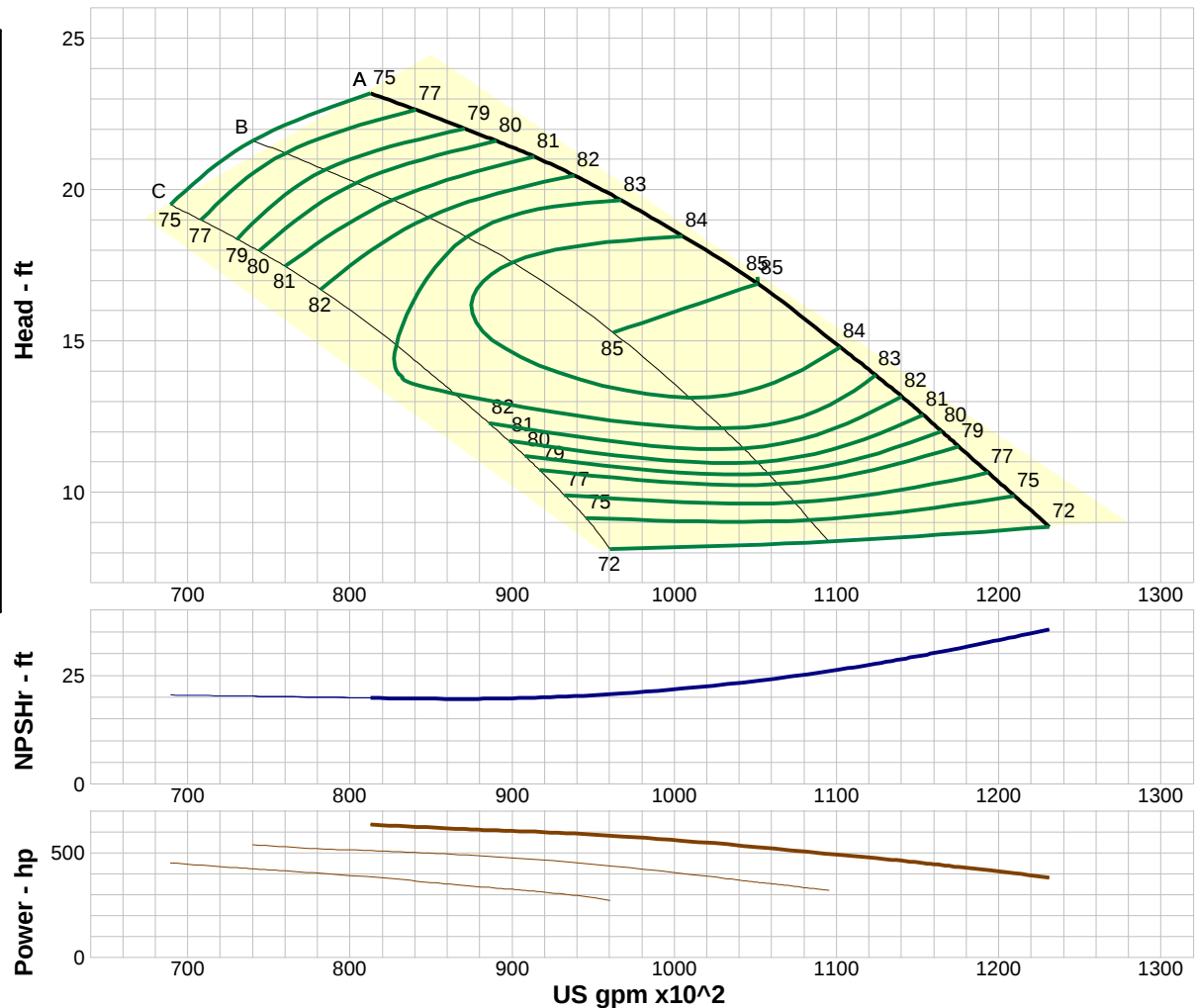
Sizing criteria: Max Power on Design Curve

Pump Limits:

Temperature: --- °F
Pressure: --- psi g
Sphere size: --- in

Power: --- hp
Eye area: --- in²

---- Data Point ----	
Flow:	105121 US gpm
Head:	16.9 ft
Eff:	85%
Power:	528 hp
NPSHr:	23.8 ft
---- Design Curve ----	
Shutoff head:	22.9 ft
Shutoff dP:	9.91 psi
Min flow:	--- US gpm
BEP:	85% @ 105121 US gpm
NOL power:	634 hp @ 81229 US gpm
-- Max Curve --	
Max power:	634 hp @ 81229 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
118176	320	11.2	78.2	426	31.7
98480	320	19.1	83.5	568	21.4
78784	320	---	---	---	---
59088	320	---	---	---	---
39392	320	---	---	---	---