



Company: Bonneville Power Administration

Name:

Date: 2/8/2007

Selection: FPI

Pump:

Size: AF48-42-320

Type: AXIAL FLOW

Synch speed: 327 rpm

Curve:

Specific Speeds:

Dimensions:

Speed: 320 rpm

Line: A (48)

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:

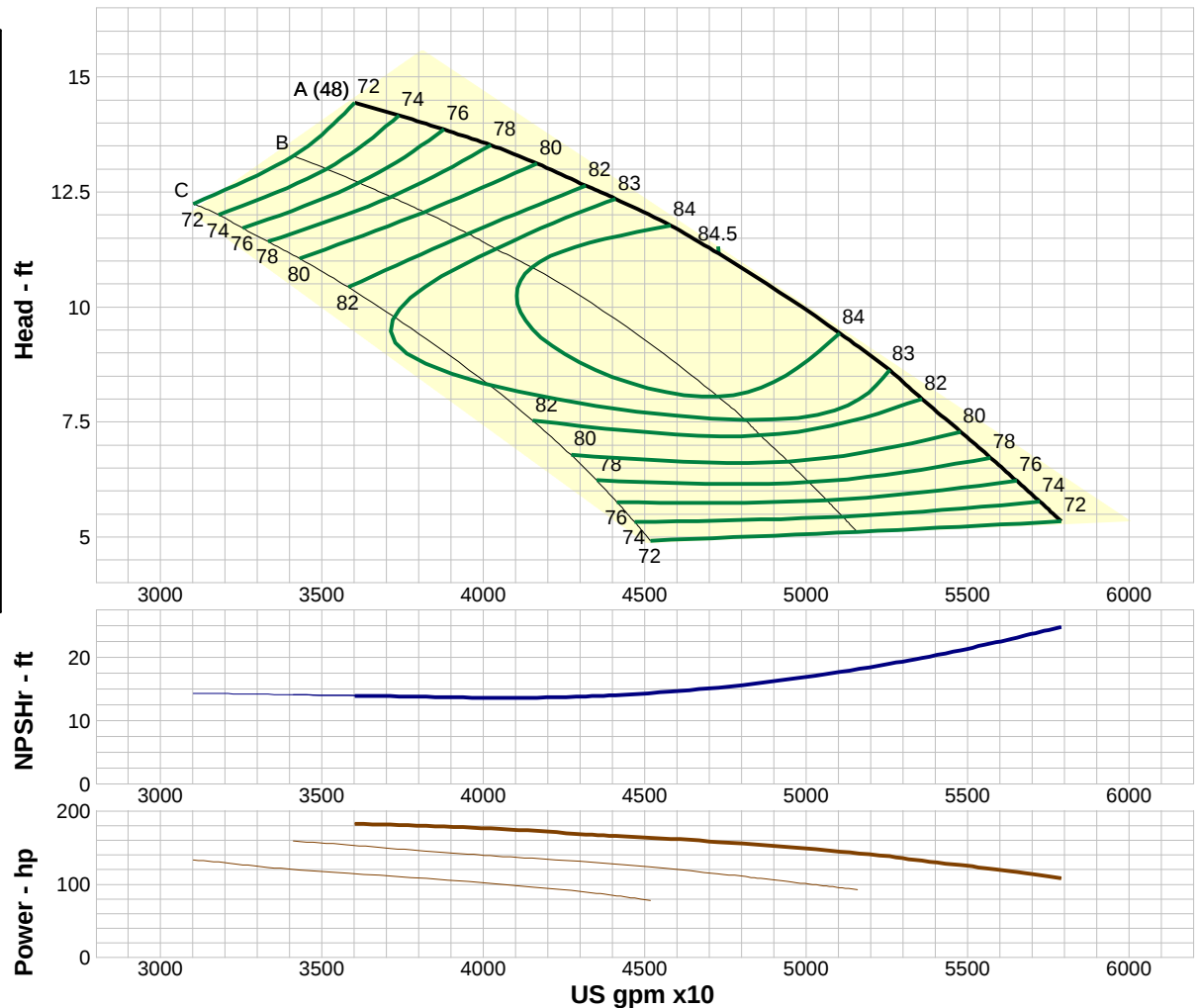
Temperature: --- °F

Pressure: --- psi g

Sphere size: --- in

Power: --- hp

Eye area: --- in²



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
55576	320	6.8	78.3	122	22.1
46313	320	11.6	84.2	160	14.9
37050	320	14.2	73.5	181	13.9
27788	320	---	---	---	---
18525	320	---	---	---	---