



Company: Bonneville Power Administration

Name:

Date: 2/8/2007

Selection: FPI

Pump:

Size: AF16-14-880

Type: AXIAL FLOW

Synch speed: 900 rpm

Curve:

Specific Speeds:

Dimensions:

Speed: 880 rpm

Line: A (16)

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

Size: 20 hp

Speed: 900

Frame: 324T

Sizing criteria: Max Power on Design Curve

Pump Limits:

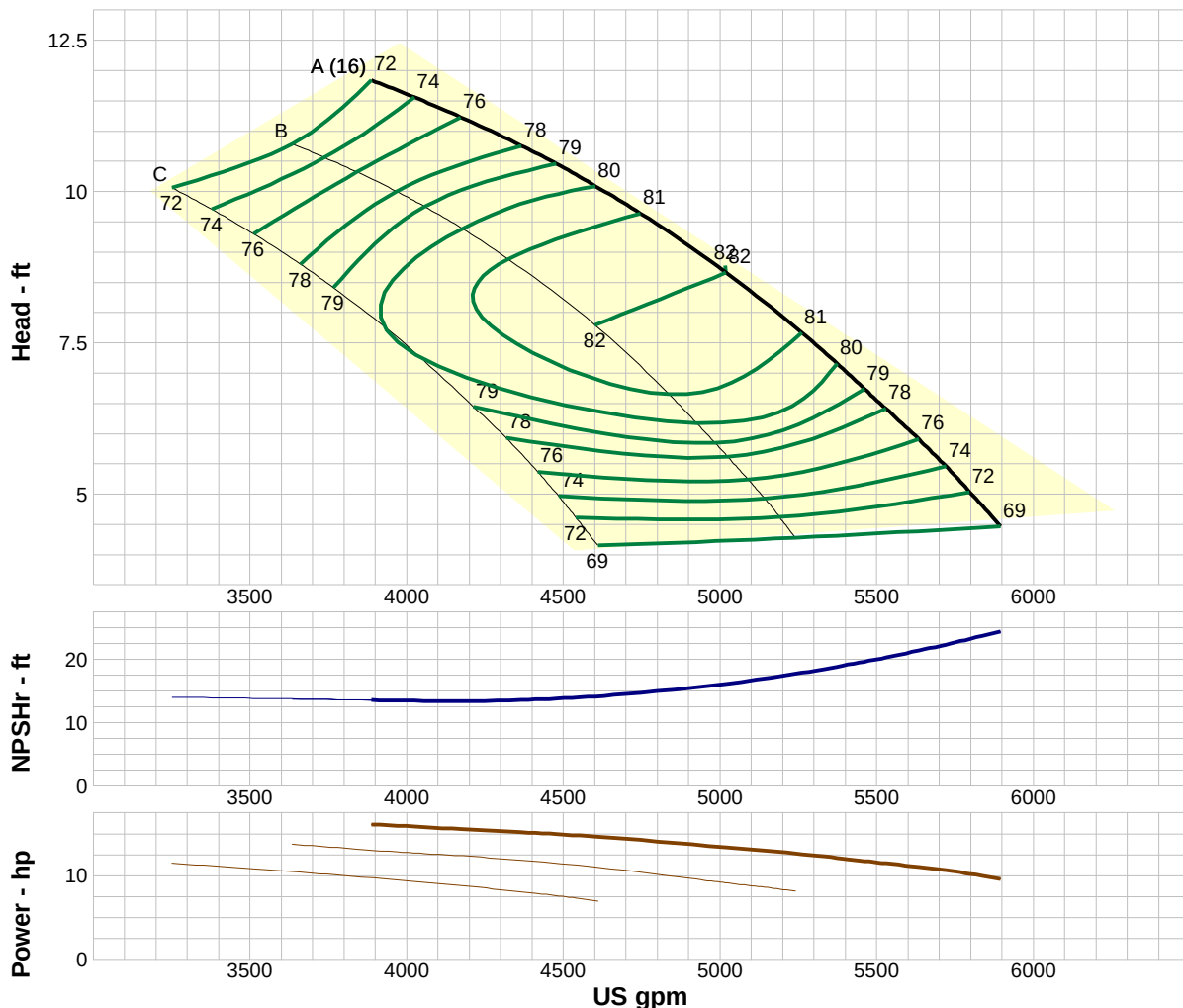
Temperature: --- °F

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
5658	880	5.77	75.4	10.9	21.7
4715	880	9.73	80.8	14.3	14.6
3772	880	---	---	---	---
2829	880	---	---	---	---
1886	880	---	---	---	---