



Company: Bonneville Power Administration

Name:

Date: 2/8/2007

Selection: FPI

Pump:

Size: AF20-18-505

Type: AXIAL FLOW

Synch speed: 515 rpm

Curve:

Specific Speeds:

Dimensions:

Speed: 505 rpm

Line: A (20)

Impeller:

Ns: ---

Nss: ---

Suction: --- in

Discharge: --- in

Pump Limits:

Temperature: --- °F

Pressure: --- psi g

Sphere size: --- in

Power: --- hp

Eye area: --- in²

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

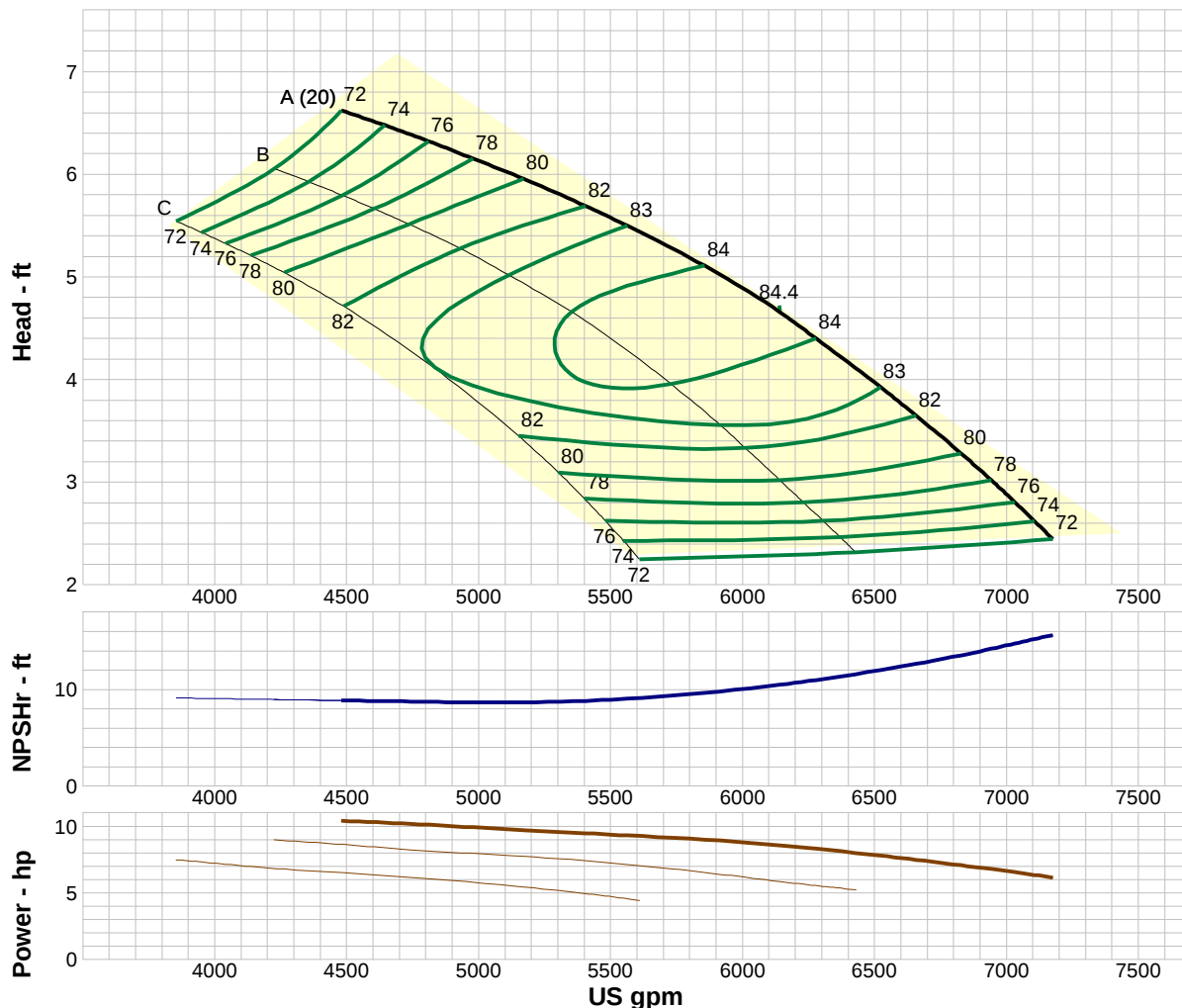
Enclosure: TEFC

--- hp

Speed: ---

Frame: ---

Sizing criteria: Max Power on Design Curve



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
6887	505	3.14	78.9	6.92	13.9
5739	505	5.26	83.6	9.11	9.41
4591	505	6.52	73.4	10.3	8.82
3443	505	---	---	---	---
2296	505	---	---	---	---