



Company: Bonneville Power Administration

Name:

Date: 2/8/2007

Selection: FPI

Pump:

Size: AF48-42-440

Type: AXIAL FLOW

Synch speed: 450 rpm

Curve:

Specific Speeds:

Dimensions:

Speed: 440 rpm

Line: A (48)

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

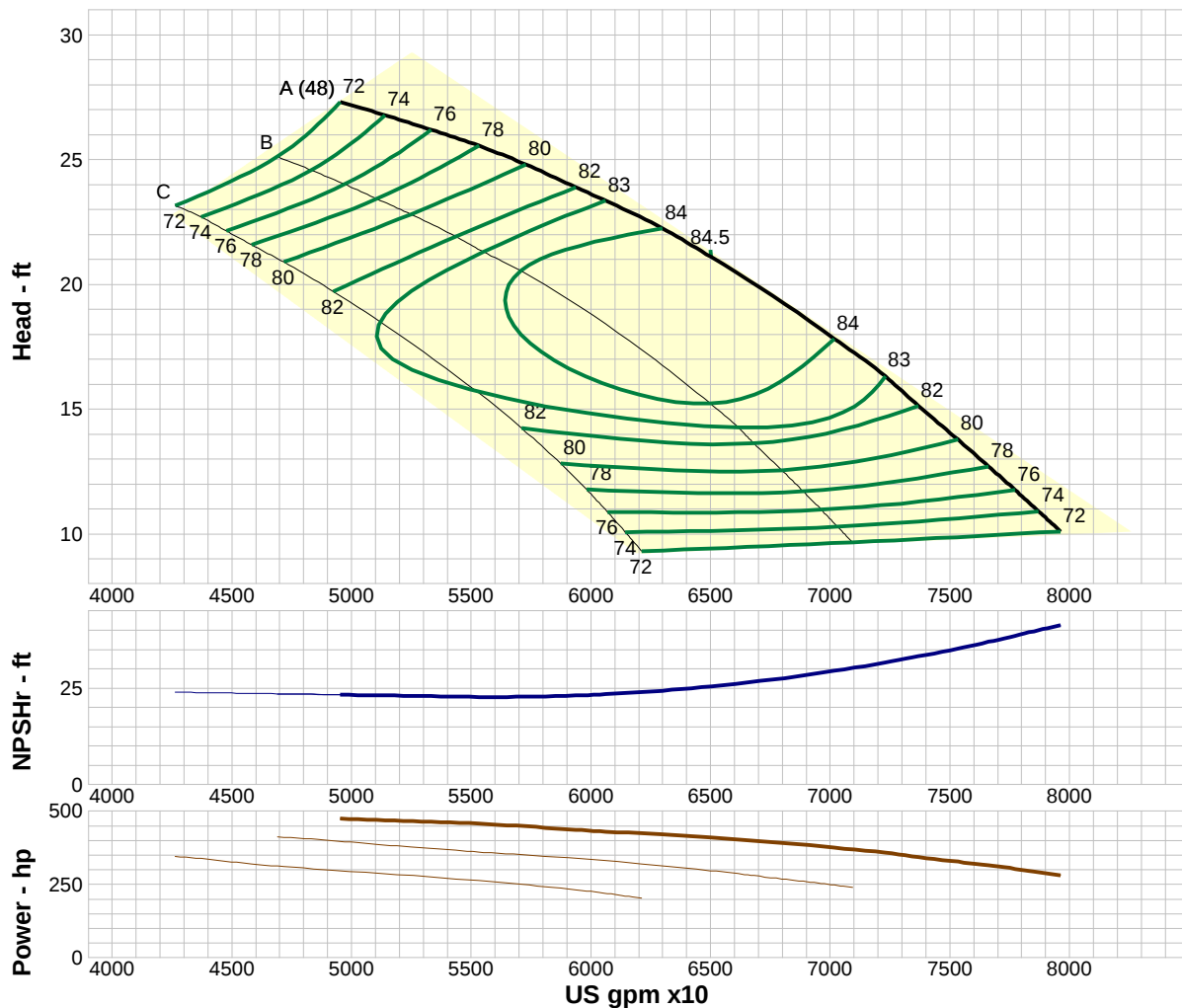
Enclosure: TEFC

--- 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
76416	440	12.9	78.3	317	36.8
63680	440	21.8	84.2	417	24.7
50944	440	26.9	73.5	471	23.2
38208	440	---	---	---	---
25472	440	---	---	---	---