



Company: Bonneville Power Administration

Name:

Date: 2/8/2007

Selection: FPI

Pump:

Size: AF54-48-295

Type: AXIAL FLOW

Synch speed: 300 rpm

Curve:

Specific Speeds:

Dimensions:

Speed: 295 rpm

Line: A (54)

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

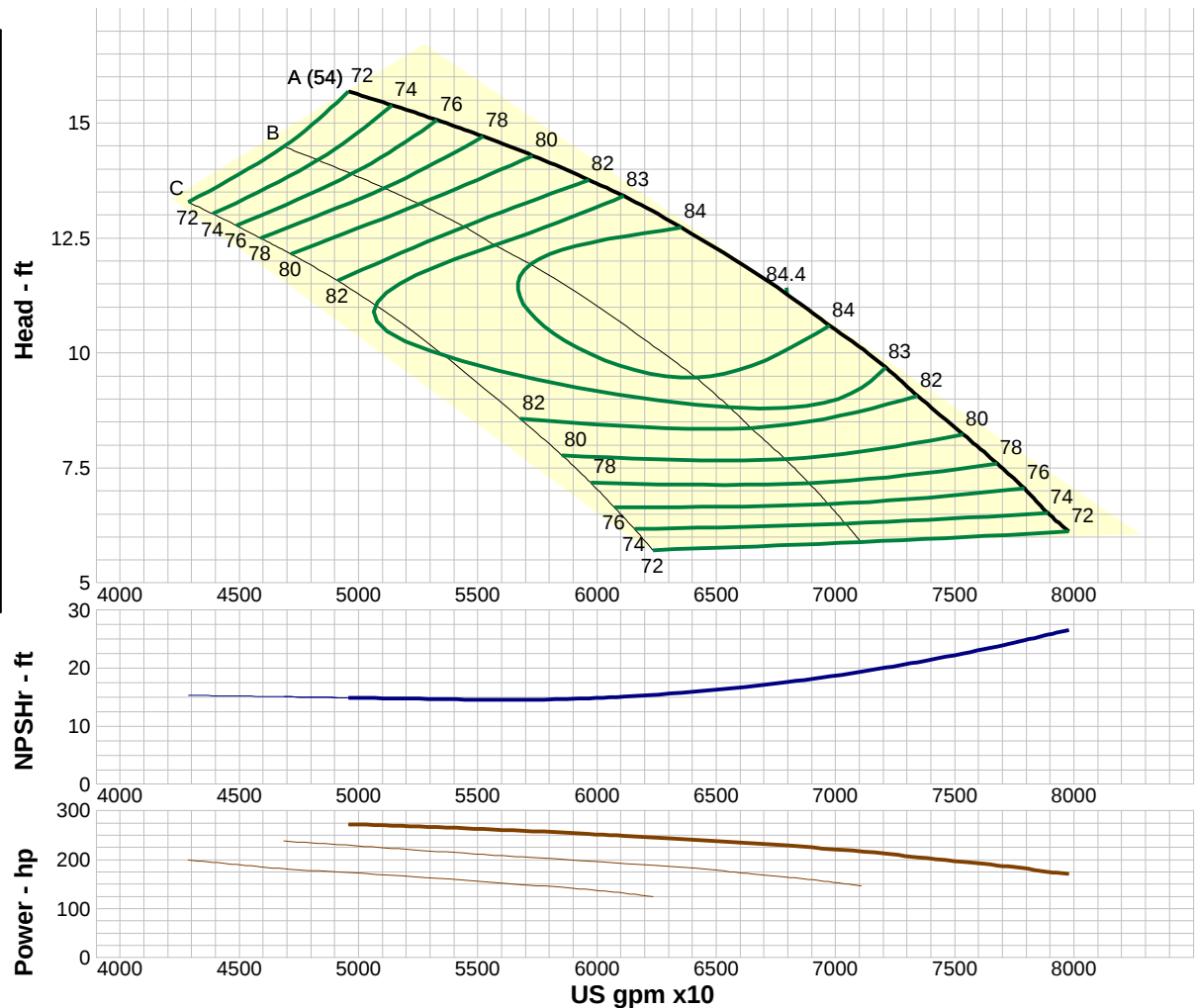
--- hp

Speed: ---

Frame: ---

Sizing criteria: Max Power on Design Curve

---- Data Point ----	
Flow:	67955 US gpm
Head:	11.3 ft
Eff:	84.4%
Power:	229 hp
NPSHr:	17.6 ft
---- Design Curve ----	
Shutoff head:	15.1 ft
Shutoff dP:	6.54 psi
Min flow:	--- US gpm
BEP:	84.4% @ 67955 US gpm
NOL power:	273 hp @ 49544 US gpm
-- Max Curve --	
Max power:	273 hp @ 49544 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
76579	295	7.67	78.3	190	23.6
63816	295	12.6	84	242	15.9
51053	295	15.4	73.6	270	14.8
38290	295	---	---	---	---
25526	295	---	---	---	---