

Company: Bonneville Power Administration

Name:

Date: 11/26/2006

Pump:

Size: 5"2876A
 Type: 2800-HSC
 Synch speed: 3600 rpm
 Curve: 760502A
 Specific Speeds:
 Dimensions:
 Speed: 3565 rpm
 Dia: 11.25 in
 Impeller: J5E1A1
 Ns: 2049
 Nss: 14633
 Suction: 8 in
 Discharge: 5 in

Pump Limits:

Temperature: 160 °F
 Pressure: 300 psi g
 Sphere size: 0.75 in
 Power: --- hp
 Eye area: --- in²

Search Criteria:

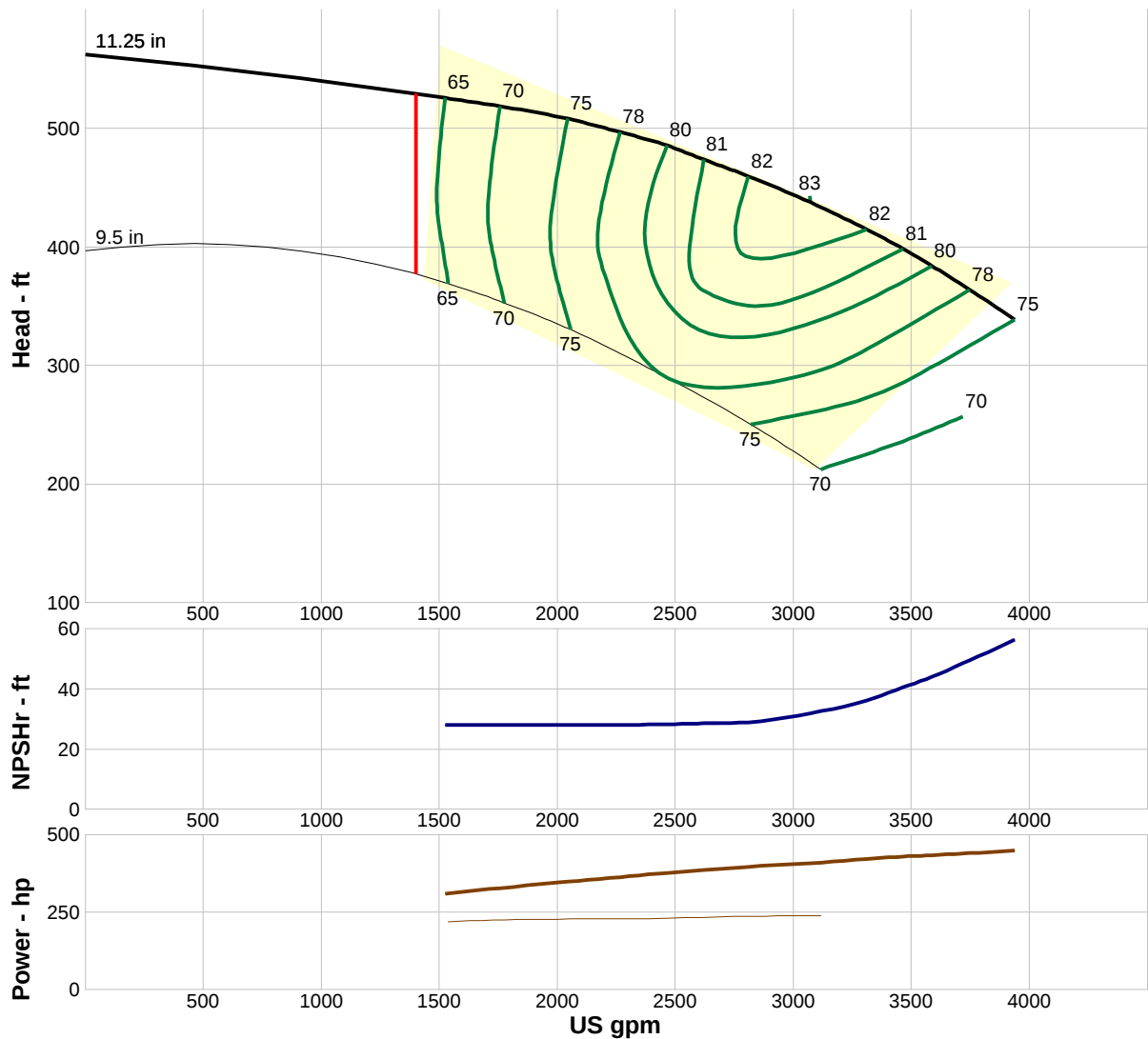
Flow: --- US gpm
 Head: --- ft

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
 Sizing criteria: Max Power on Design Curve
 --- hp
 Speed: ---
 Frame: ---

**Performance Evaluation:**

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
3778	3565	359	77	442	50.8
3148	3565	430	83	413	33.3
2518	3565	481	80	381	28.4
1889	3565	514	72	338	28
1259	3565	---	---	---	---