



Company: Bonneville Power Administration

Name:

Date: 11/25/2006

Pump:

Size: H16P (1 stage)
 Type: AxialFlow
 Synch speed: 880 rpm
 Curve: H16P
 Specific Speeds:
 Dimensions:
 Speed: 880 rpm
 Dia: 5 in
 Impeller:
 Ns: 880
 Nss: ---
 Suction: --- in
 Discharge: --- in

Pump Limits:

Temperature: 140 °F
 Pressure: --- psi g
 Sphere size: 2 in
 Power: 150 hp
 Eye area: --- in²

Search Criteria:

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

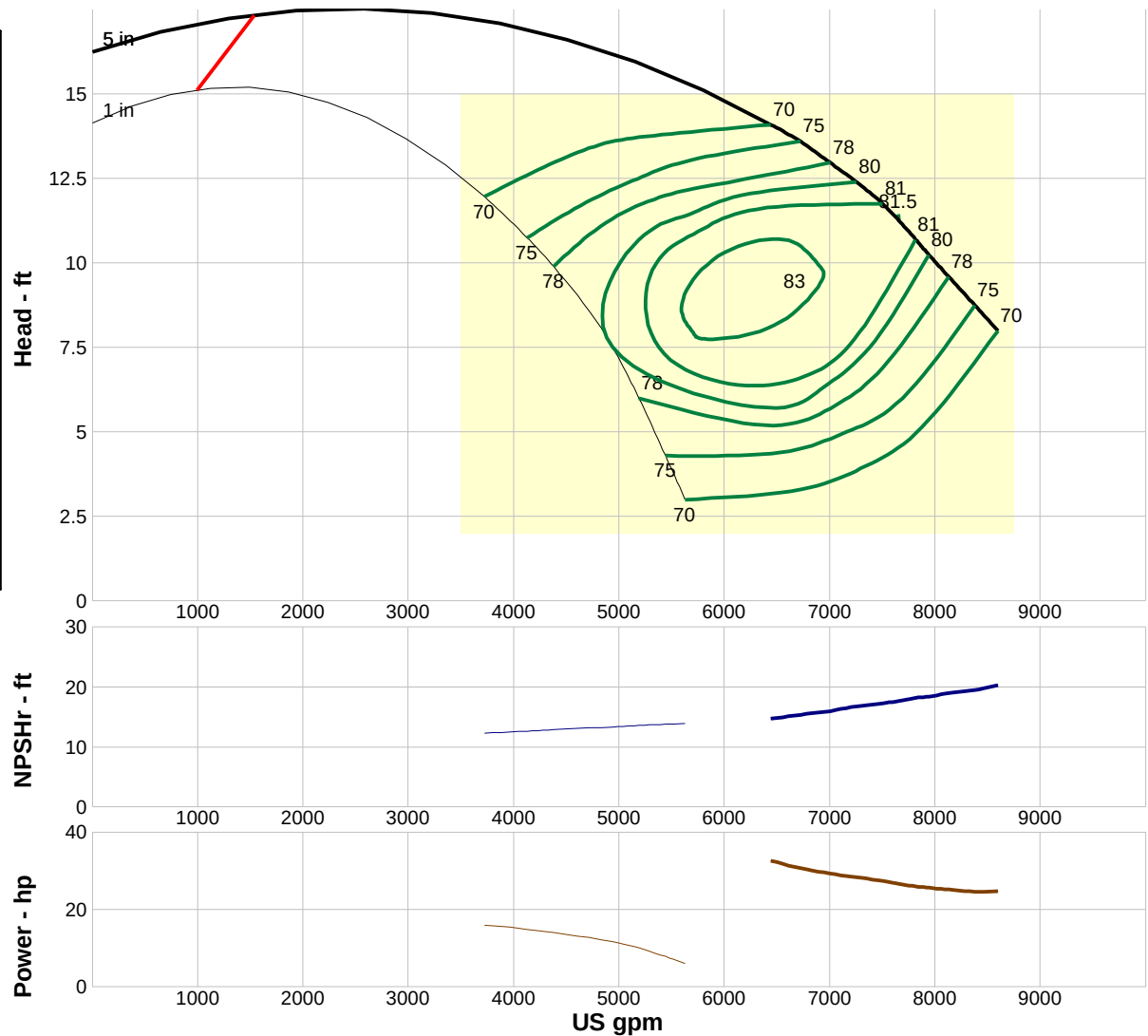
Fluid:

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: ---

---- Data Point ----	
Flow:	7656 US gpm
Head:	11.3 ft
Eff:	81.5%
Power:	26.7 hp
NPSHr:	17.7 ft
---- Design Curve ----	
Shutoff head:	16.3 ft
Shutoff dP:	7.02 psi
Min flow:	1531 US gpm
BEP:	81.5% @ 7656 US gpm
NOL power:	58.6 hp @ 2758 US gpm
-- Max Curve --	
Max power:	58.6 hp @ 2758 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
8250	880	9.18	76.5	25	19.3
6875	880	13.2	76.7	30	15.7
5500	880	14.4	53.3	39.3	12.4
4125	880	14.9	28.9	49	8.94
2750	880	15.3	4.4	58.7	5.52