

Company: Bonneville Power Administration

Name:

Date: 11/25/2006



Pump:

Size: H16MFB (1 stage)
 Type: MixFlow
 Synch speed: 1160 rpm
 Curve: H16MFB
 Specific Speeds:
 Dimensions:
 Speed: 1160 rpm
 Dia: 4 in
 Impeller:
 Ns: 1160
 Nss: ---
 Suction: --- in
 Discharge: --- in

Pump Limits:

Temperature: 140 °F
 Pressure: --- psi g
 Sphere size: 2.5 in
 Power: 150 hp
 Eye area: --- in²

Search Criteria:

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

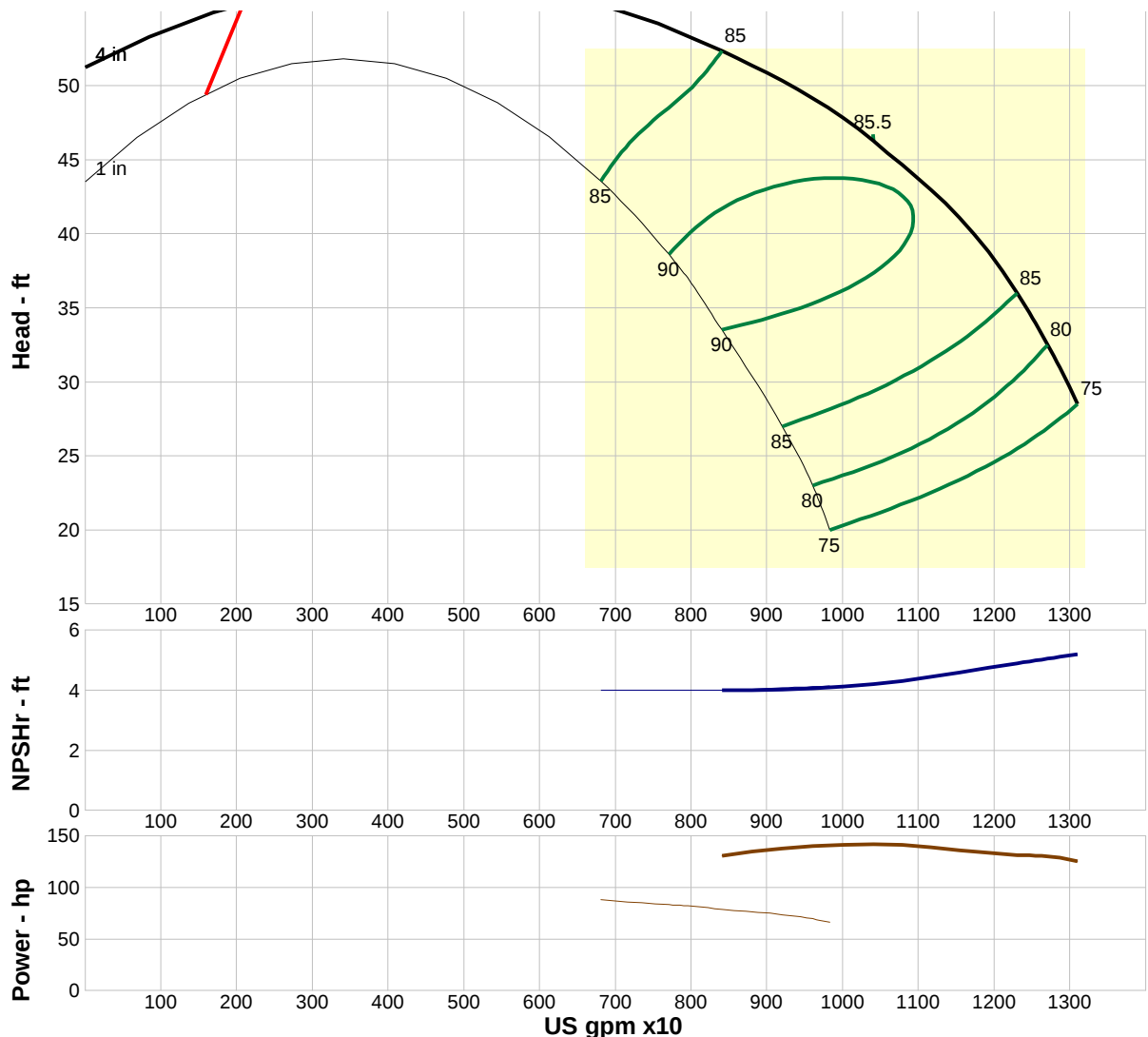
Fluid:

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:	10400 US gpm
Head:	46.3 ft
Eff:	85.5%
Power:	142 hp
NPSHr:	4.2 ft
---- Design Curve ----	
Shutoff head:	51.3 ft
Shutoff dP:	22.2 psi
Min flow:	2080 US gpm
BEP:	85.5% @ 10400 US gpm
NOL power:	142 hp @ 10400 US gpm
-- Max Curve --	
Max power:	142 hp @ 10400 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
12576	1160	33.6	81.5	131	5
10480	1160	45.8	85.5	142	4.23
8384	1160	52.3	85	131	4
6288	1160	52.1	84.5	119	3.79
4192	1160	51.8	83.9	107	3.58