



Company: Bonneville Power Administration

Name:

Date: 2/9/2007

Selection: Gould Centrifugal Pump

Pump:

Size: 10SFH

Type: CC_ENDSUCTION_C

Synch speed: 1800 rpm

Curve: Goulds 10SFH

Specific Speeds:

Dimensions:

Speed: 1750 rpm

Dia: 8.0625 in

Impeller:

Ns: ---

Nss: ---

Suction: 2 in

Discharge: 1.25 in

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:

Consult GOULDS to select a motor for this pump.

Pump Limits:

Temperature: 212 °F

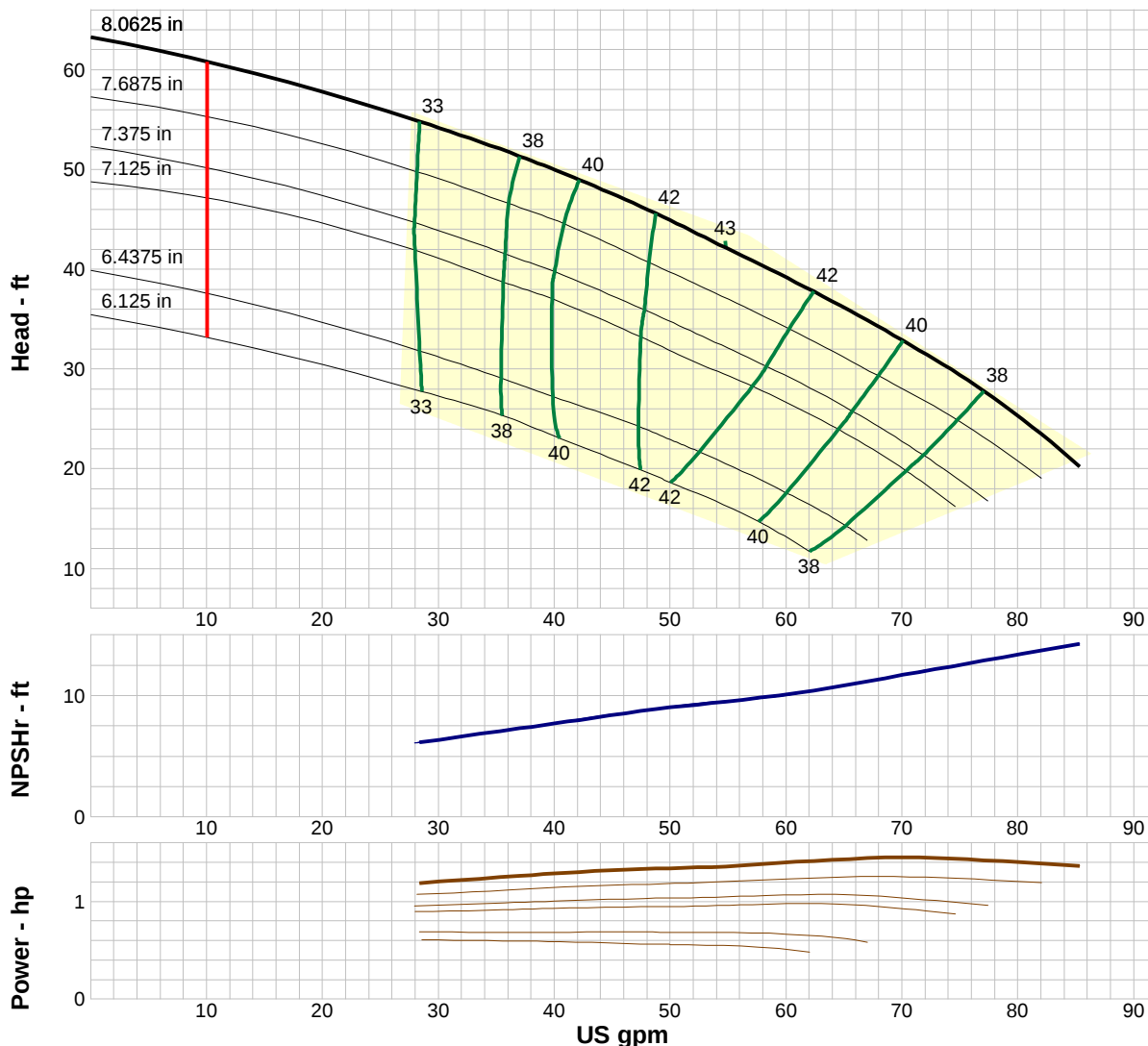
Pressure: 175 psi g

Sphere size: 0.125 in

Power: 1.5 hp

Eye area: --- in²

---- Data Point ----	
Flow:	54.7 US gpm
Head:	42.2 ft
Eff:	43%
Power:	1.36 hp
NPSHr:	9.5 ft
---- Design Curve ----	
Shutoff head:	63.3 ft
Shutoff dP:	27.4 psi
Min flow:	10 US gpm
BEP:	43% @ 54.7 US gpm
NOL power:	1.45 hp @ 70 US gpm
-- Max Curve --	
Max power:	1.45 hp @ 70 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
81.8	1750	23.4	35	1.39	13.7
68.2	1750	34	40	1.44	11.4
54.6	1750	42.2	43	1.36	9.49
40.9	1750	49.5	40	1.29	7.83
27.3	1750	55.1	32	1.18	6.02