

Company: Bonneville Power Administration

Name:

Date: 2/9/2007

Selection: Gould Centrifugal Pump



Pump:

Size: 11A-SH
 Type: CC_ENDSUCTION
 Synch speed: 1800 rpm
 Curve: GP SSH/SSH-F
 Specific Speeds:
 Dimensions:
 Speed: 1750 rpm
 Dia: 10.0938 in
 Impeller:
 Ns: ---
 Nss: ---
 Suction: 2 in
 Discharge: 1 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

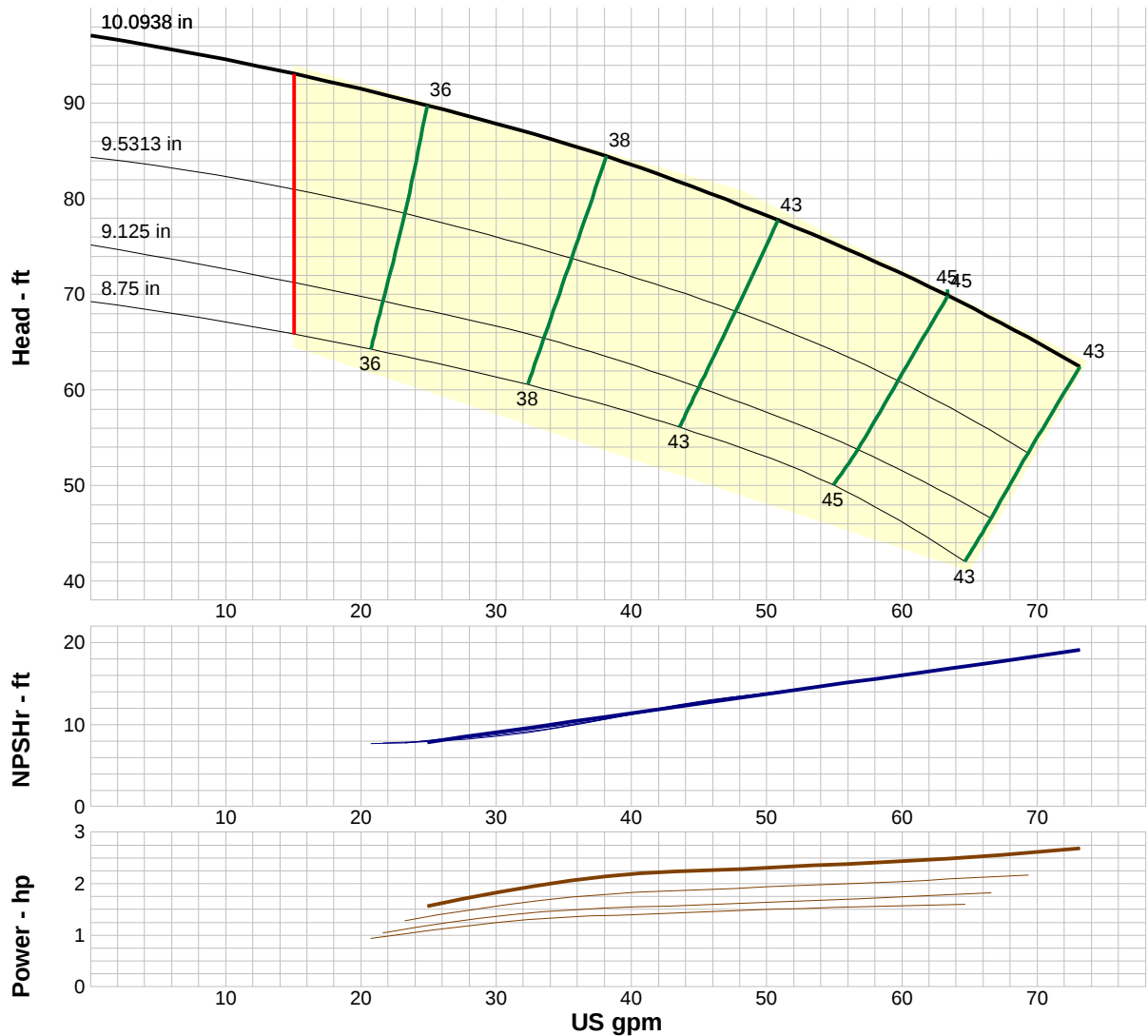
Motor:

Consult GOULDS to select a motor for this pump.

Pump Limits:

Temperature: 212 °F
 Pressure: 230 psi g
 Sphere size: 0.125 in
 Power: 3 hp
 Eye area: --- in²

---- Data Point ----	
Flow:	63.4 US gpm
Head:	69.8 ft
Eff:	45%
Power:	2.48 hp
NPSHr:	16.8 ft
---- Design Curve ----	
Shutoff head:	97.1 ft
Shutoff dP:	42 psi
Min flow:	15 US gpm
BEP:	45% @ 63.4 US gpm
NOL power:	2.68 hp @ 73.1 US gpm
-- Max Curve --	
Max power:	2.68 hp @ 73.1 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
70.2	1750	64.7	44	2.62	18.4
58.5	1750	72.9	44	2.42	15.7
46.8	1750	79.9	41	2.26	13
35.1	1750	85.7	38	2.01	10.3
23.4	1750	90.2	36	1.5	7.51