

Company: Bonneville Power Administration

Name:

Date: 2/9/2007

Selection: Gould Centrifugal Pump



Pump:

Size: 28SFH
 Type: CC_ENDSUCTION_C
 Synch speed: 1800 rpm
 Curve: Goulds 28SFH
 Specific Speeds:
 Dimensions:
 Speed: 1750 rpm
 Dia: 9.5625 in
 Impeller:
 Ns: ---
 Nss: ---
 Suction: 4 in
 Discharge: 3 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

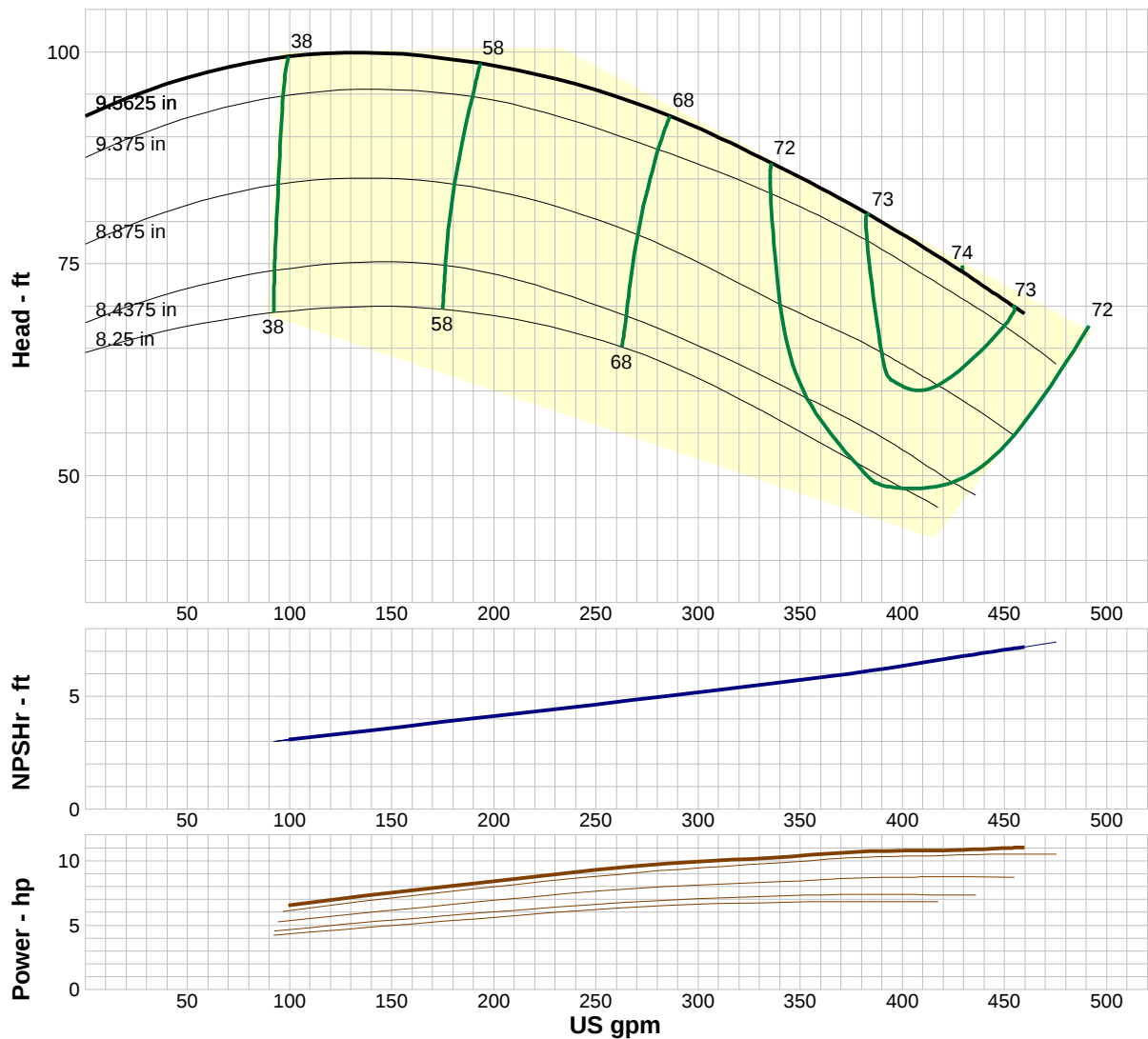
Motor:

Consult GOULDS to select a motor for this pump.

Pump Limits:

Temperature: --- °F
 Pressure: 175 psi g
 Sphere size: 0.15625 in
 Power: 12 hp
 Eye area: --- in²

---- Data Point ----	
Flow:	429 US gpm
Head:	74.1 ft
Eff:	74%
Power:	10.8 hp
NPSHr:	6.78 ft
---- Design Curve ----	
Shutoff head:	92.4 ft
Shutoff dP:	40 psi
Min flow:	--- US gpm
BEP:	74% @ 429 US gpm
NOL power:	11 hp @ 460 US gpm
-- Max Curve --	
Max power:	11 hp @ 460 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
442	1750	72	73	10.9	6.96
368	1750	82.8	73	10.6	5.96
294	1750	91.6	69	9.89	5.13
221	1750	96.8	61	8.75	4.36
147	1750	99.1	48	7.44	3.58