

Company: Bonneville Power Administration

Name:

Date: 2/9/2007

Selection: Gould Centrifugal Pump



Pump:

Size: 2ST
 Type: CC_ENDSUCTION
 Synch speed: 3600 rpm
 Curve: GP NPE/NPE-F
 Specific Speeds:
 Dimensions:
 Speed: 3500 rpm
 Dia: 5.9375 in
 Impeller:
 Ns: ---
 Nss: ---
 Suction: 1.5 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

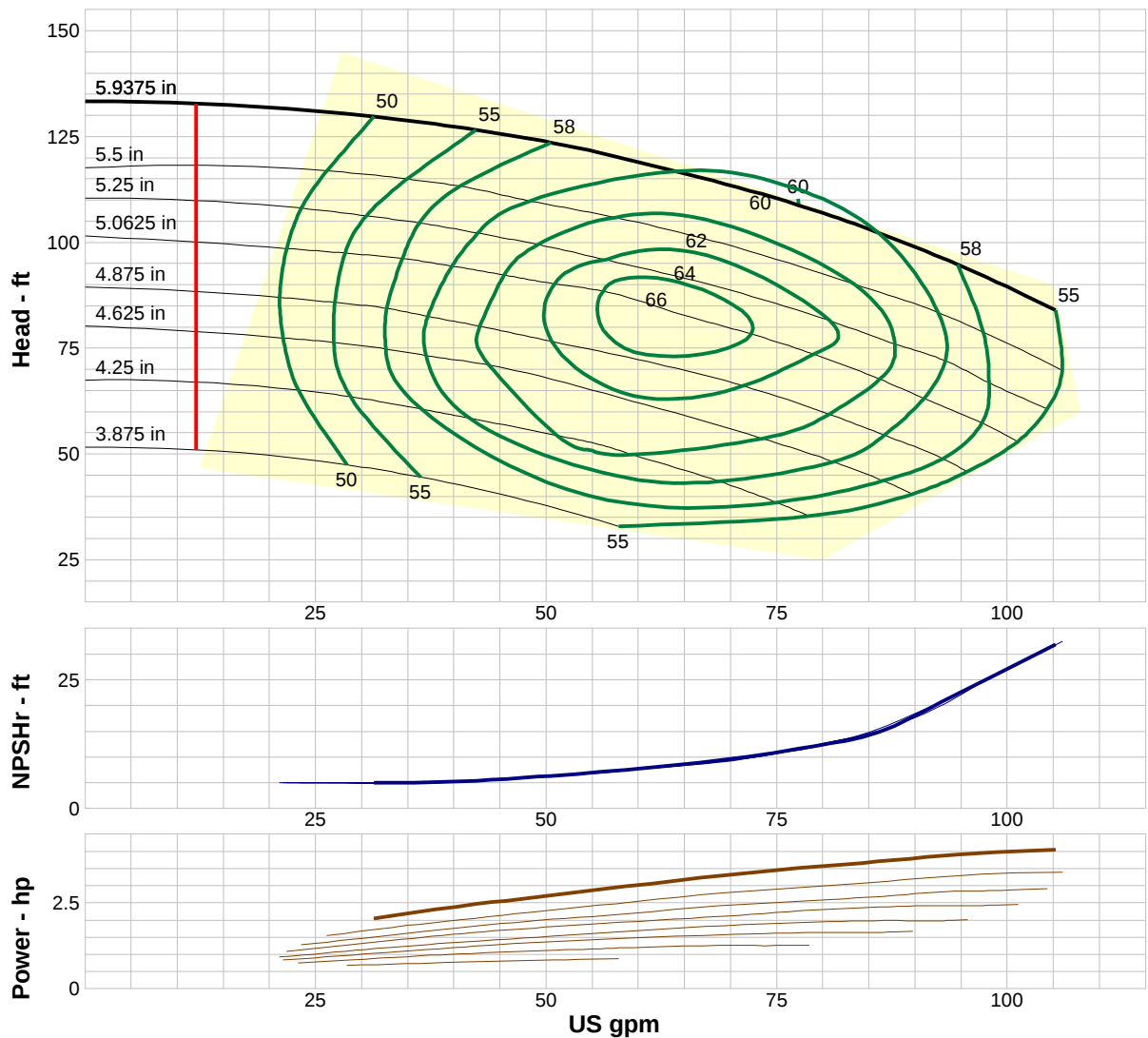
Motor:

Consult GOULDS to select a motor for this pump.

Pump Limits:

Temperature: 212 °F
 Pressure: 125 psi g
 Sphere size: 0.1875 in
 Power: 5 hp
 Eye area: --- in²

---- Data Point ----	
Flow:	77.3 US gpm
Head:	109 ft
Eff:	60%
Power:	3.52 hp
NPSHr:	11.6 ft
---- Design Curve ----	
Shutoff head:	133 ft
Shutoff dP:	57.6 psi
Min flow:	12 US gpm
BEP:	60% @ 77.3 US gpm
NOL power:	4.05 hp @ 105 US gpm
-- Max Curve --	
Max power:	4.05 hp @ 105 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
101	3500	88.2	56	3.99	28.1
84.2	3500	104	60	3.66	14.2
67.4	3500	115	60	3.24	9.25
50.5	3500	124	58	2.72	6.37
33.7	3500	129	51	2.14	5.09