

Company: Bonneville Power Administration

Name:

Date: 2/9/2007

Selection: Gould Centrifugal Pump



Pump:

Size: 2SN
 Type: CC_ENDSUCTION
 Synch speed: 3600 rpm
 Curve: GP NPO/NPO-F
 Specific Speeds:
 Dimensions:
 Speed: 3500 rpm
 Dia: 5.3125 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.

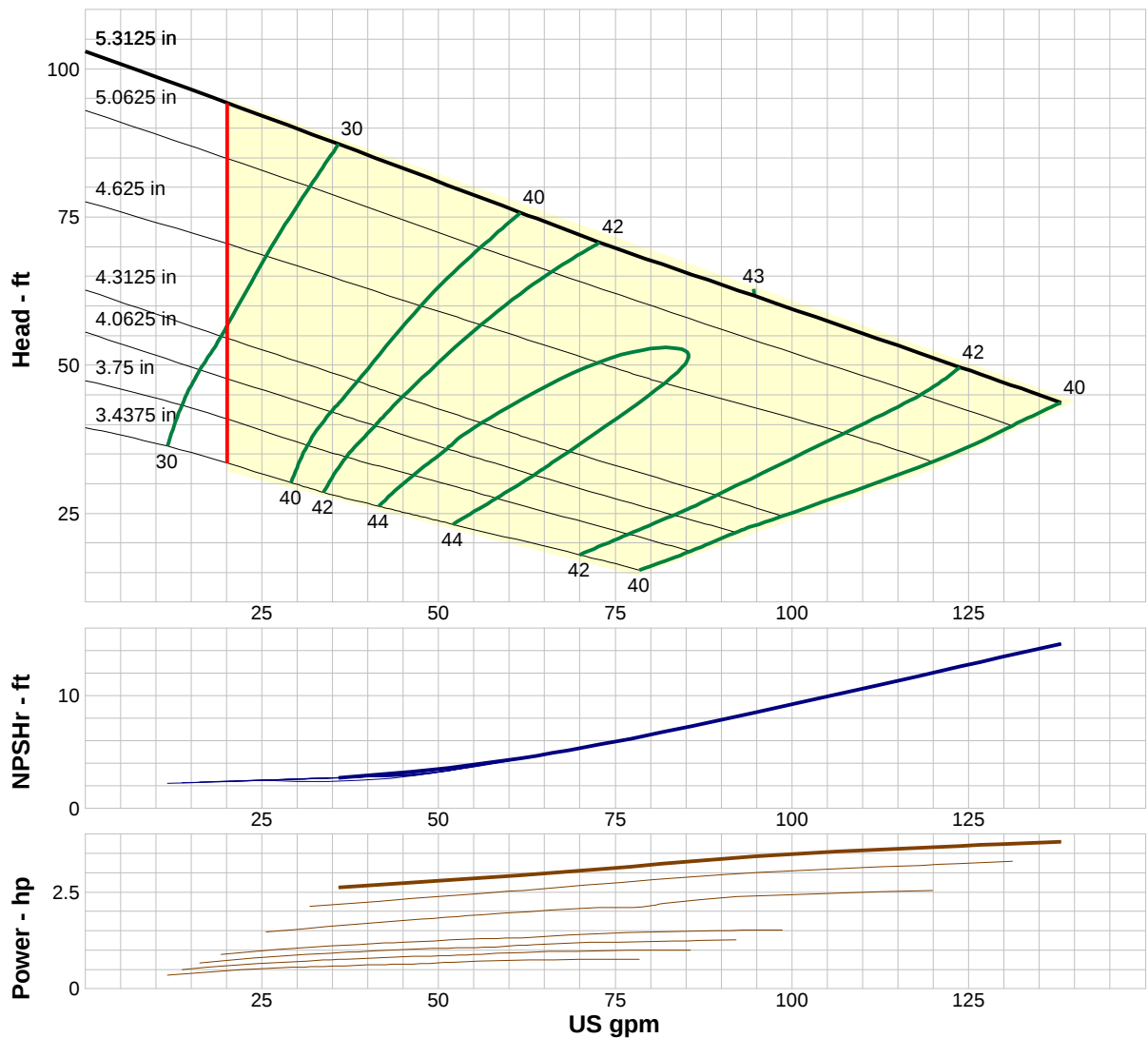
Pump Selection Warnings:

Design curve maximum power exceeds limit for the pump.

Pump Limits:

Temperature: 212 °F
 Pressure: 125 psi g
 Sphere size: 0.375 in
 Power: 3 hp
 Eye area: --- in²

---- Data Point ----	
Flow:	94.6 US gpm
Head:	61.7 ft
Eff:	43%
Power:	3.43 hp
NPSHr:	8.54 ft
---- Design Curve ----	
Shutoff head:	103 ft
Shutoff dP:	44.5 psi
Min flow:	20 US gpm
BEP:	43% @ 94.6 US gpm
NOL power:	3.81 hp @ 138 US gpm
-- Max Curve --	
Max power:	3.81 hp @ 138 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
132	3500	46.2	41	3.76	13.8
110	3500	55.3	42	3.57	10.7
88	3500	64.4	43	3.33	7.68
66	3500	73.8	41	3	4.96
44	3500	83.6	33	2.73	3.3