



Company: Bonneville Power Administration

Name:

Date: 2/9/2007

Selection: Gould Centrifugal Pump

Pump:

Size: 2ST
Type: CC_ENDSUCTION
Synch speed: 1800 rpm
Curve: GP NPE/NPE-F
Specific Speeds:
Dimensions:
Speed: 1750 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.

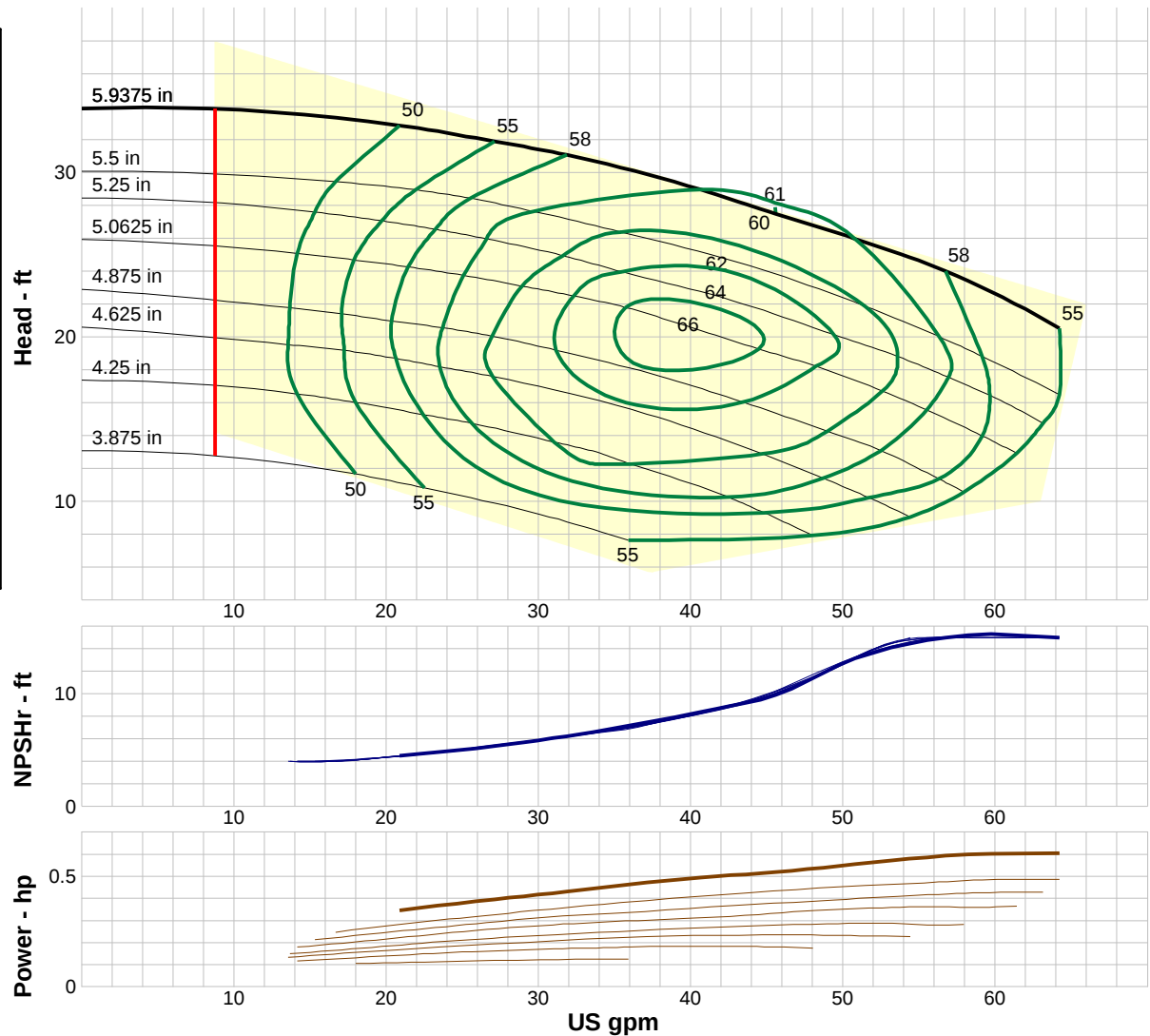
Pump Selection Warnings:

Design curve maximum power exceeds limit for the pump.

Pump Limits:

Temperature: 212 °F
Pressure: 125 psi g
Sphere size: 0.1875 in
Power: 0.5 hp
Eye area: --- in²

---- Data Point ----	
Flow:	45.5 US gpm
Head:	27.5 ft
Eff:	61%
Power:	0.518 hp
NPSHr:	9.89 ft
---- Design Curve ----	
Shutoff head:	33.9 ft
Shutoff dP:	14.6 psi
Min flow:	8.72 US gpm
BEP:	61% @ 45.5 US gpm
NOL power:	0.605 hp @ 64.2 US gpm
-- Max Curve --	
Max power:	0.605 hp @ 64.2 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
61.7	1750	21.7	56	0.601	15
51.4	1750	25.8	60	0.559	13.3
41.1	1750	28.8	60	0.497	8.56
30.8	1750	31.2	57	0.423	6.05
20.6	1750	32.9	50	0.344	4.46