

Company: Bonneville Power Administration

Name:

Date: 2/9/2007

Selection: Gould Centrifugal Pump



Pump:

Size: 28SH
 Type: CC_ENDSUCTION
 Synch speed: 3600 rpm
 Curve: GP SSH/SSH-F
 Specific Speeds:
 Dimensions:
 Speed: 3500 rpm
 Dia: 9.8125 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.

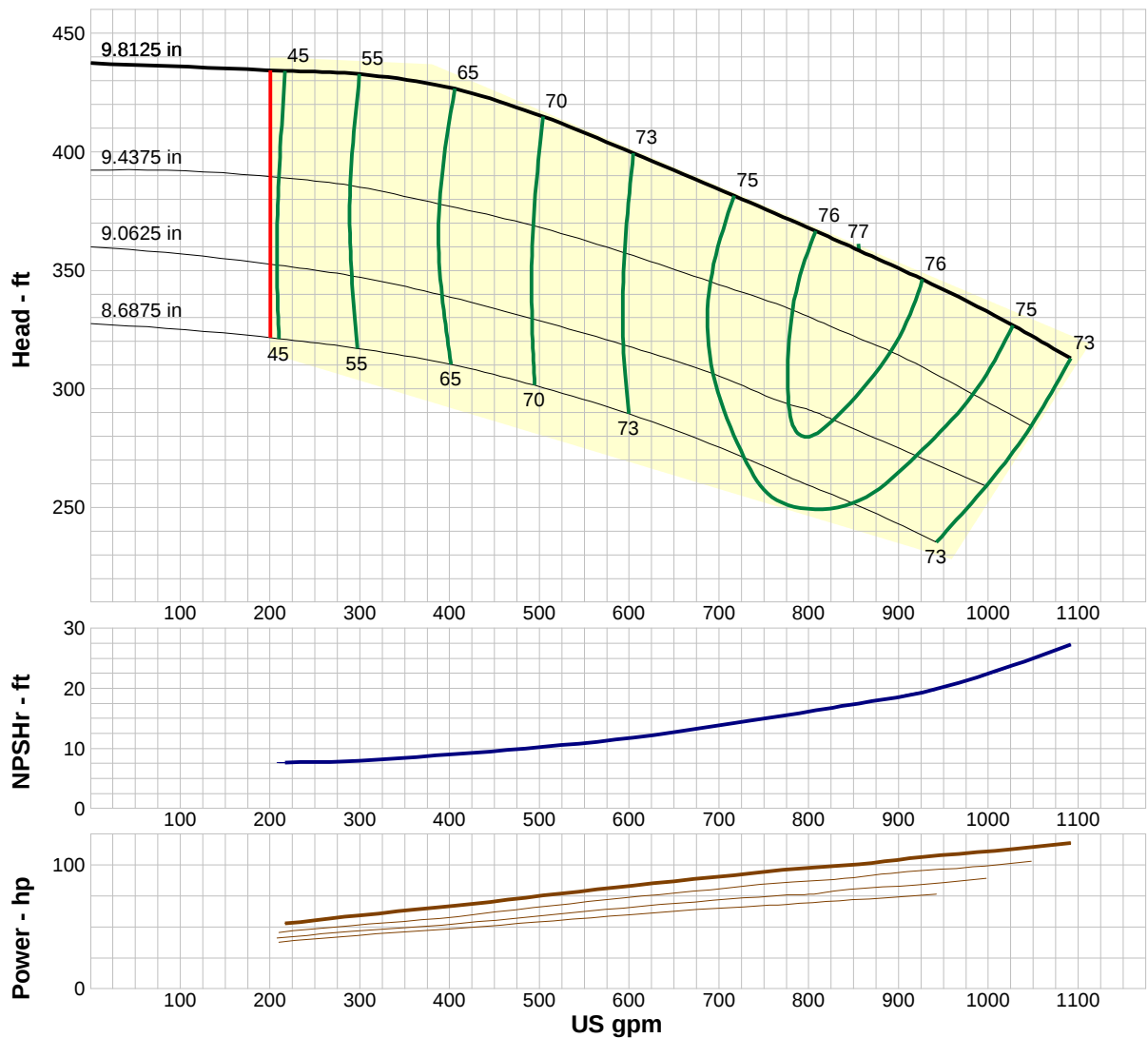
Pump Selection Warnings:

Design curve maximum power exceeds limit for the pump.

Pump Limits:

Temperature: 212 °F
 Pressure: 230 psi g
 Sphere size: 0.75 in
 Power: 100 hp
 Eye area: --- in²

---- Data Point ----	
Flow:	855 US gpm
Head:	358 ft
Eff:	77%
Power:	101 hp
NPSHr:	17.5 ft
---- Design Curve ----	
Shutoff head:	437 ft
Shutoff dP:	189 psi
Min flow:	200 US gpm
BEP:	77% @ 855 US gpm
NOL power:	118 hp @ 1091 US gpm
-- Max Curve --	
Max power:	118 hp @ 1091 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
1048	3500	322	74	115	25
873	3500	355	77	102	18
698	3500	384	75	90.6	13.8
524	3500	412	71	77	10.6
349	3500	430	60	63.1	8.48