

Company: Bonneville Power Administration

Name:

Date: 2/9/2007

Selection: Gould Centrifugal Pump



Pump:

Size: 8SH
 Type: CC_ENDSUCTION
 Synch speed: 3600 rpm
 Curve: GP SSH/SSH-F
 Specific Speeds:
 Dimensions:
 Speed: 3500 rpm
 Dia: 8.25 in
 Impeller:
 Ns: ---
 Nss: ---
 Suction: 2.5 in
 Discharge: 2 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

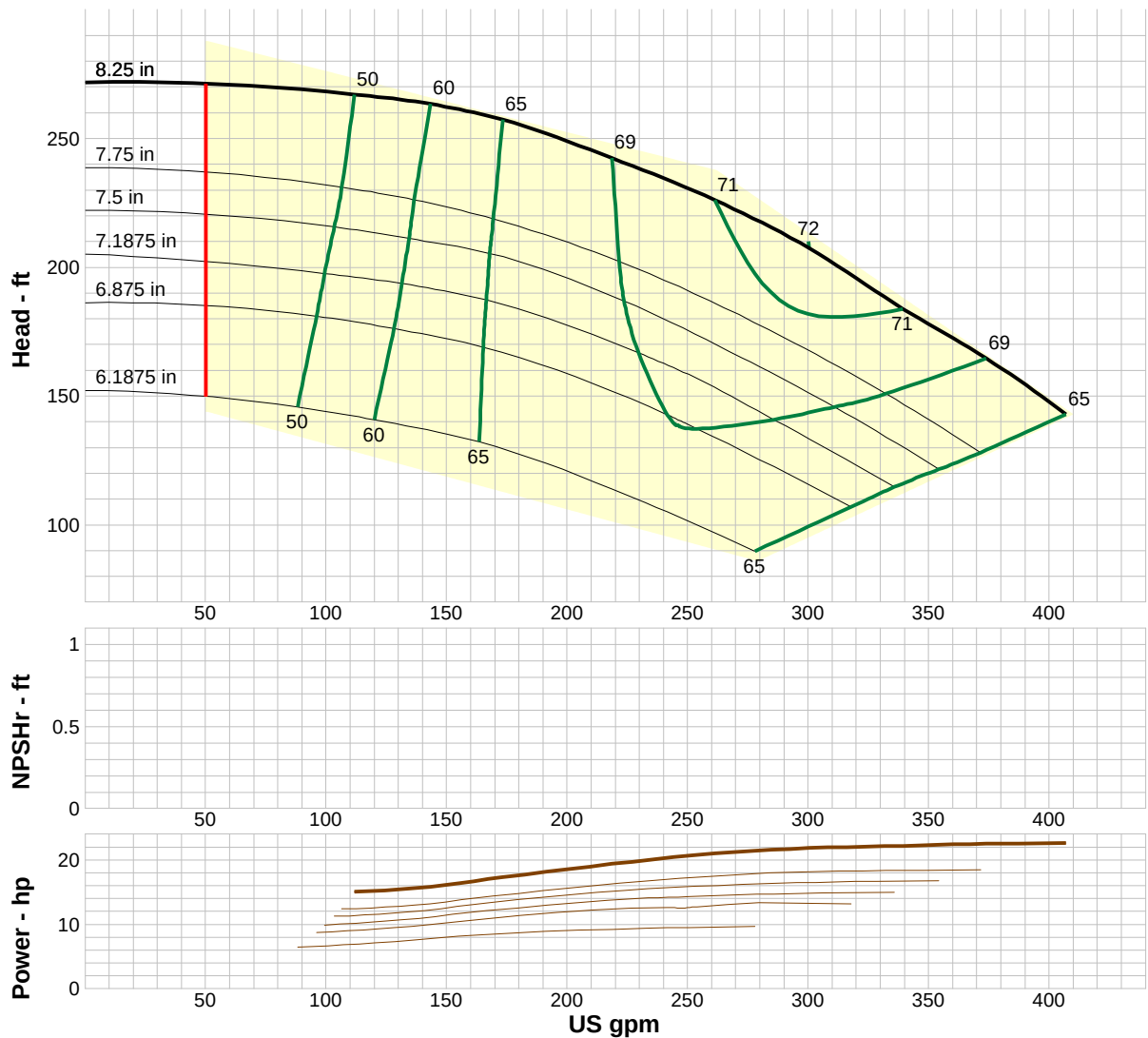
Motor:

Consult GOULDS to select a motor for this pump.

Pump Limits:

Temperature: 212 °F
 Pressure: 230 psi g
 Sphere size: 15625 in
 Power: 25 hp
 Eye area: --- in²

---- Data Point ----	
Flow:	300 US gpm
Head:	207 ft
Eff:	72%
Power:	21.8 hp
NPSHr:	--- ft
---- Design Curve ----	
Shutoff head:	272 ft
Shutoff dP:	117 psi
Min flow:	50 US gpm
BEP:	72% @ 300 US gpm
NOL power:	22.6 hp @ 407 US gpm
-- Max Curve --	
Max power:	22.6 hp @ 407 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
390	3500	154	67	22.6	---
325	3500	192	71	22.1	---
260	3500	227	71	21	---
195	3500	250	67	18.3	---
130	3500	265	56	15.5	---