

Company: Bonneville Power Administration

Name:

Date: 2/9/2007

Selection: Gould Centrifugal Pump



Pump:

Size: 6SH
Type: CC_ENDSUCTION
Synch speed: 3600 rpm
Curve: GP SSH/SSH-F
Specific Speeds:
Dimensions:
Speed: 3500 rpm
Dia: 7.3125 in
Impeller:
Ns: ---
Nss: ---
Suction: 3 in
Discharge: 2.5 in

Pump Limits:

Temperature: 212 °F
Pressure: 230 psi g
Sphere size: 0.3312 in
Power: 25 hp
Eye area: --- in²

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

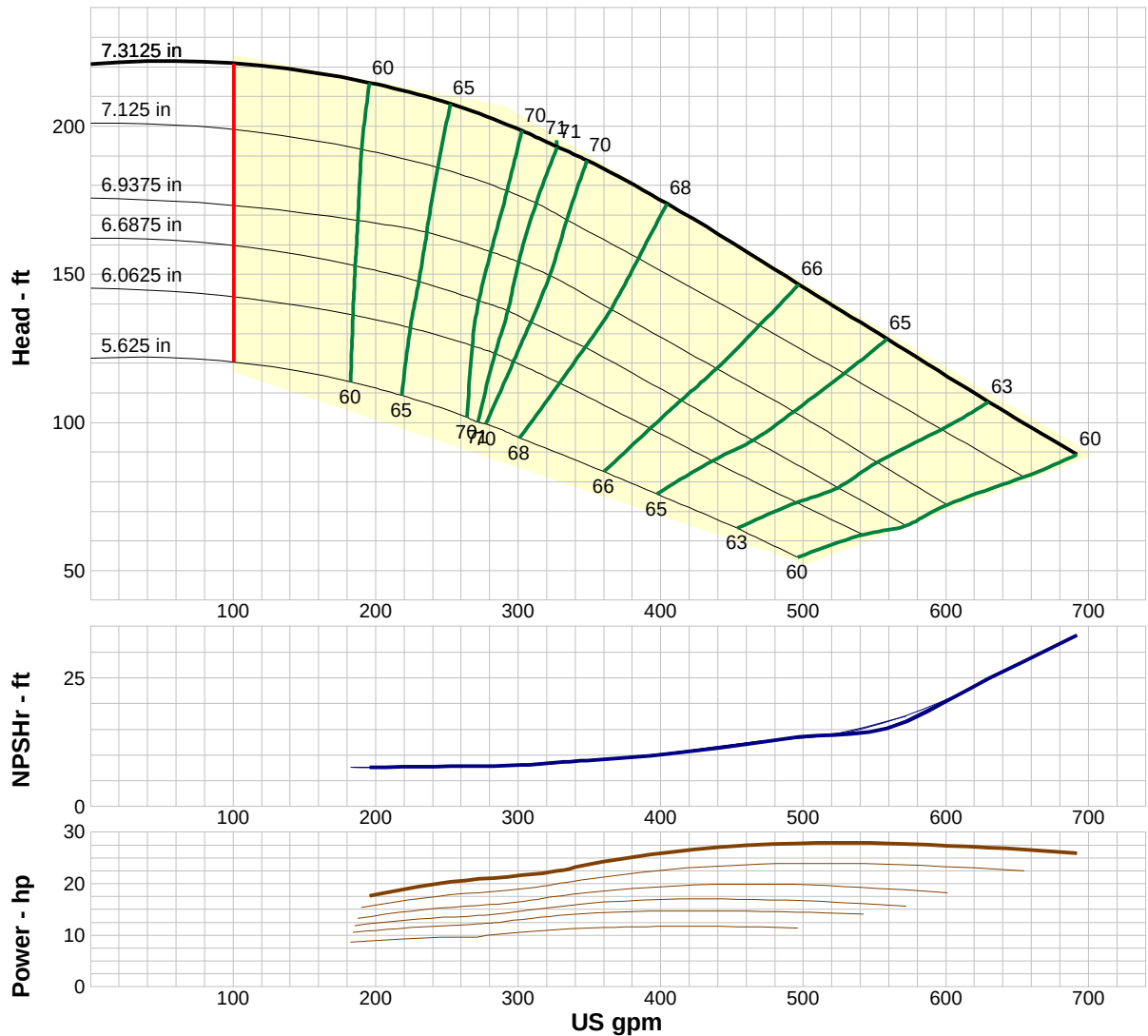
Motor:

Consult GOULDS to select a motor for this pump.

Pump Selection Warnings:

Design curve maximum power exceeds limit for the pump.

---- Data Point ----	
Flow:	327 US gpm
Head:	193 ft
Eff:	71%
Power:	22.5 hp
NPSHr:	8.55 ft
---- Design Curve ----	
Shutoff head:	221 ft
Shutoff dP:	95.5 psi
Min flow:	100 US gpm
BEP:	71% @ 327 US gpm
NOL power:	27.8 hp @ 497 US gpm
-- Max Curve --	
Max power:	27.8 hp @ 497 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
664	3500	97.1	61	26.4	29.5
553	3500	130	65	27.8	15.1
442	3500	163	67	26.8	11.6
332	3500	192	71	22.7	8.65
221	3500	211	62	18.9	7.73