

Company: Bonneville Power Administration

Name:

Date: 2/9/2007

Selection: Gould Centrifugal Pump



Pump:

Size: 6SH
Type: CC_ENDSUCTION
Synch speed: 1800 rpm
Curve: GP SSH/SSH-F
Specific Speeds:
Dimensions:
Speed: 1750 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: 0.3125 in
Power: 3 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

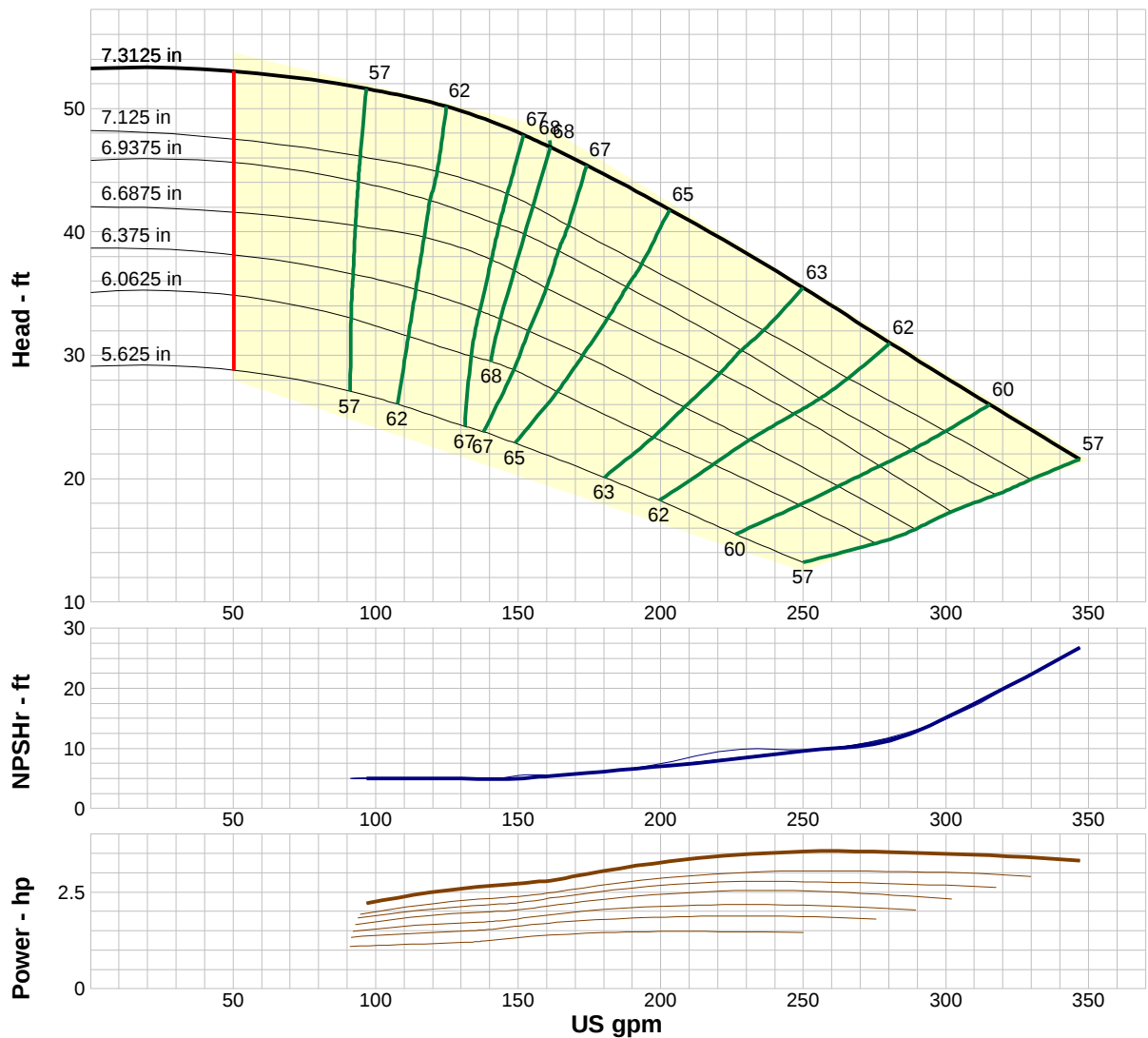
Motor:

Consult GOULDS to select a motor for this pump.

Pump Selection Warnings:

Design curve maximum power exceeds limit for the pump.

---- Data Point ----	
Flow:	161 US gpm
Head:	46.9 ft
Eff:	68%
Power:	2.8 hp
NPSHr:	5.44 ft
---- Design Curve ----	
Shutoff head:	53.3 ft
Shutoff dP:	23 psi
Min flow:	50 US gpm
BEP:	68% @ 161 US gpm
NOL power:	3.55 hp @ 250 US gpm
-- Max Curve --	
Max power:	3.55 hp @ 250 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
332	1750	23.7	58	3.38	23.1
277	1750	31.5	62	3.54	11.1
222	1750	39.2	64	3.4	8.15
166	1750	46.3	68	2.87	5.63
111	1750	50.9	60	2.38	5