

Company: Bonneville Power Administration

Name:

Date: 2/9/2007

Selection: Gould Centrifugal Pump



Pump:

Size: 3656/3756-3
 Type: CC_ENDSUCTION
 Synch speed: 3600 rpm
 Curve: GP3656LH/3756LH
 Specific Speeds:
 Dimensions:
 Speed: 3450 rpm
 Dia: 4.375 in
 Impeller:
 Ns: ---
 Nss: ---
 Suction: 3 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

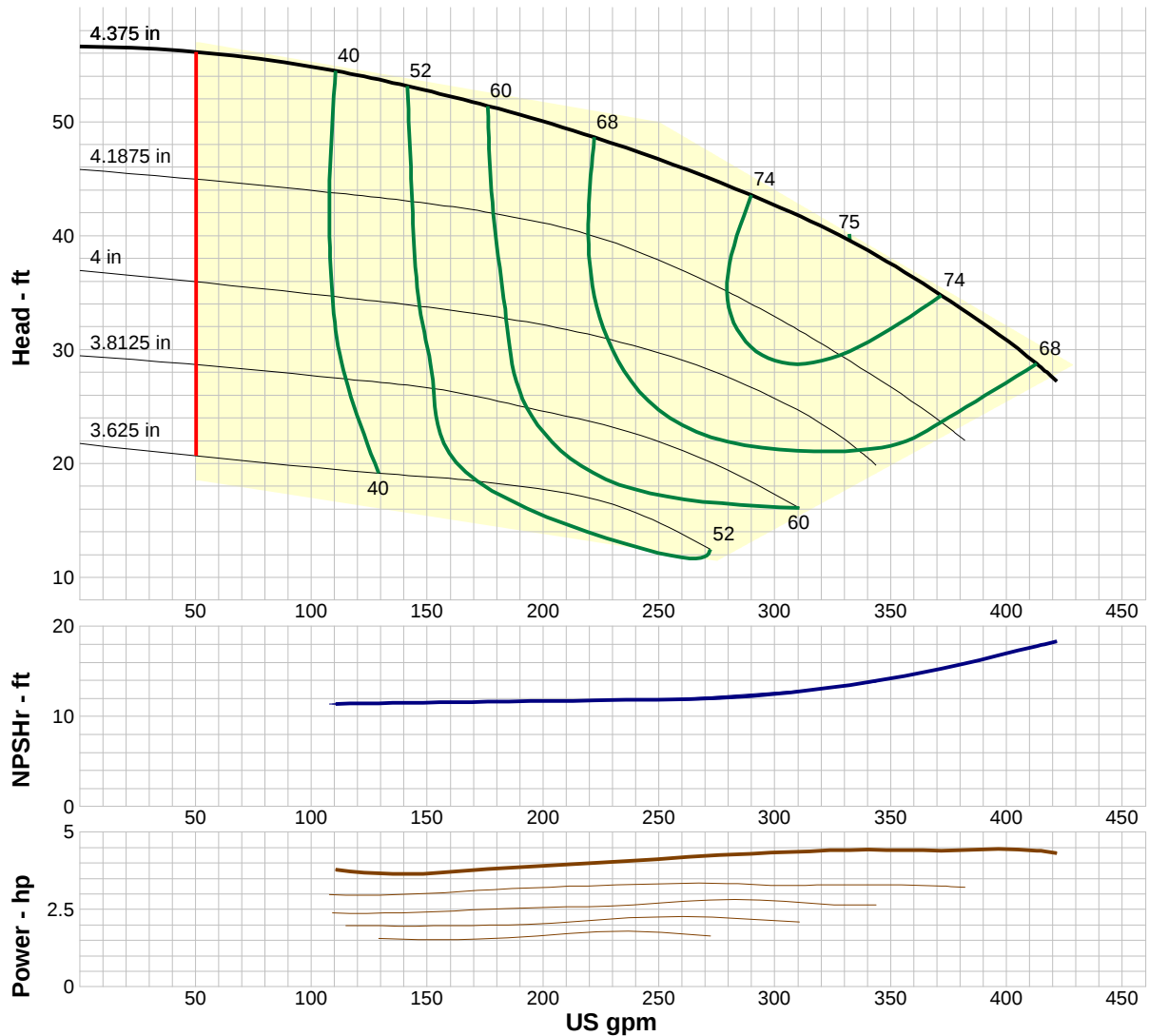
Motor:

Consult GOULDS to select a motor for this pump.

Pump Limits:

Temperature: 212 °F
 Pressure: 175 psi g
 Sphere size: --- in
 Power: 5 hp
 Eye area: --- in²

---- Data Point ----	
Flow:	332 US gpm
Head:	39.6 ft
Eff:	75%
Power:	4.42 hp
NPSHr:	13.5 ft
---- Design Curve ----	
Shutoff head:	56.6 ft
Shutoff dP:	24.5 psi
Min flow:	50 US gpm
BEP:	75% @ 332 US gpm
NOL power:	4.42 hp @ 332 US gpm
-- Max Curve --	
Max power:	4.42 hp @ 332 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
404	3450	30	69	4.41	17.3
337	3450	39	75	4.42	13.7
270	3450	45	72	4.22	12.1
202	3450	49.8	65	3.92	11.7
135	3450	53.4	50	3.67	11.5