

Company: Bonneville Power Administration

Name:

Date: 2/9/2007

Selection: Gould Centrifugal Pump



Pump:

Size: 3656/3756-3

Type: CC_ENDSUCTION_C

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

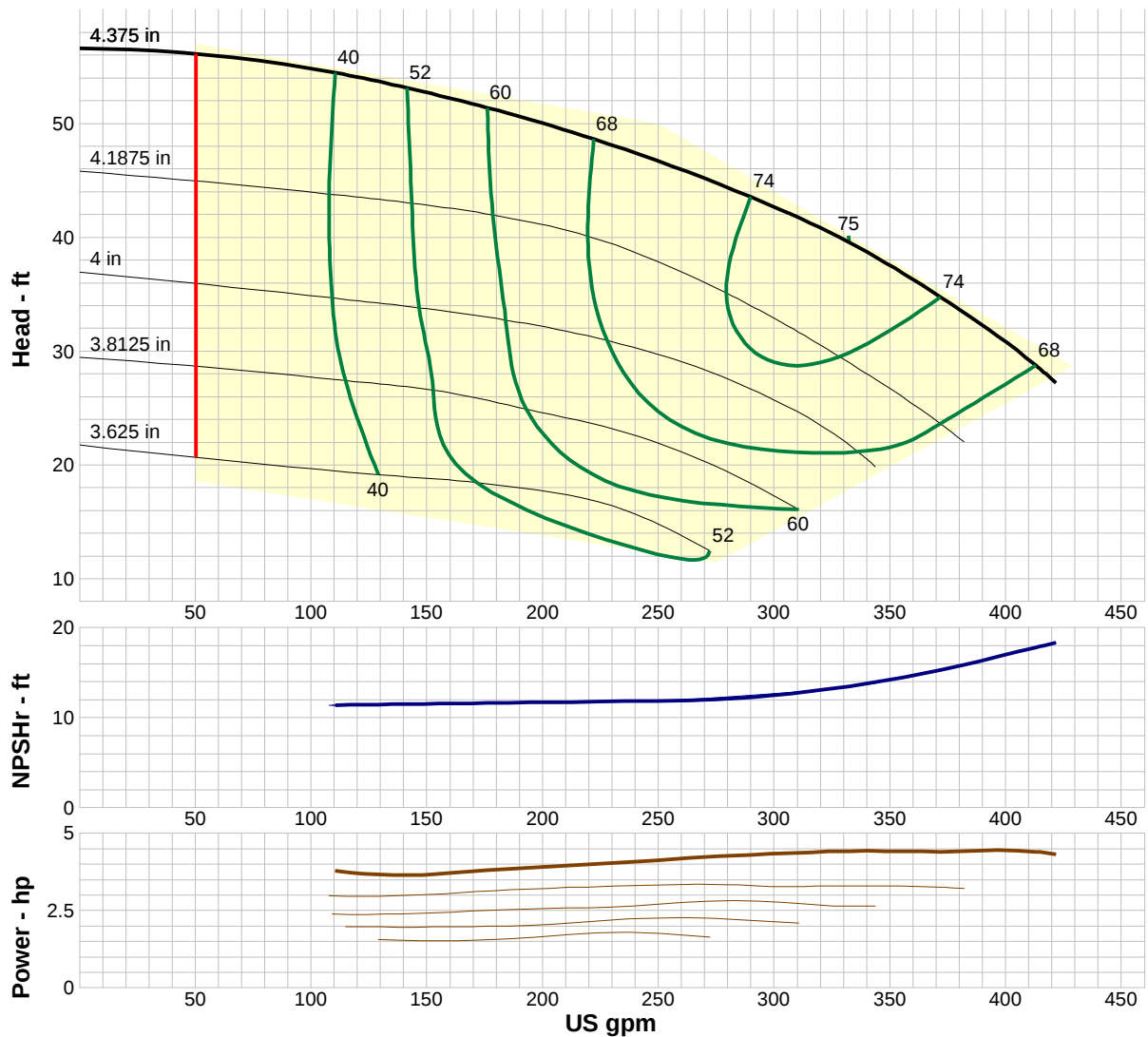
Pressure: 175 psi g

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