

Company: Bonneville Power Administration

Name:

Date: 2/9/2007

Selection: Gould Centrifugal Pump



Pump:

Size: 3656/3756-3
 Type: CC_ENDSUCTION_C
 Synch speed: 1800 rpm
 Curve: GP3656LH/3756LH
 Specific Speeds:
 Dimensions:
 Speed: 1725 rpm
 Dia: 4.375 in
 Impeller:
 Ns: ---
 Nss: ---
 Suction: 3 in
 Discharge: 3 in

Pump Limits:

Temperature: 212 °F
 Pressure: 175 psi g
 Sphere size: --- in
 Power: 0.5 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

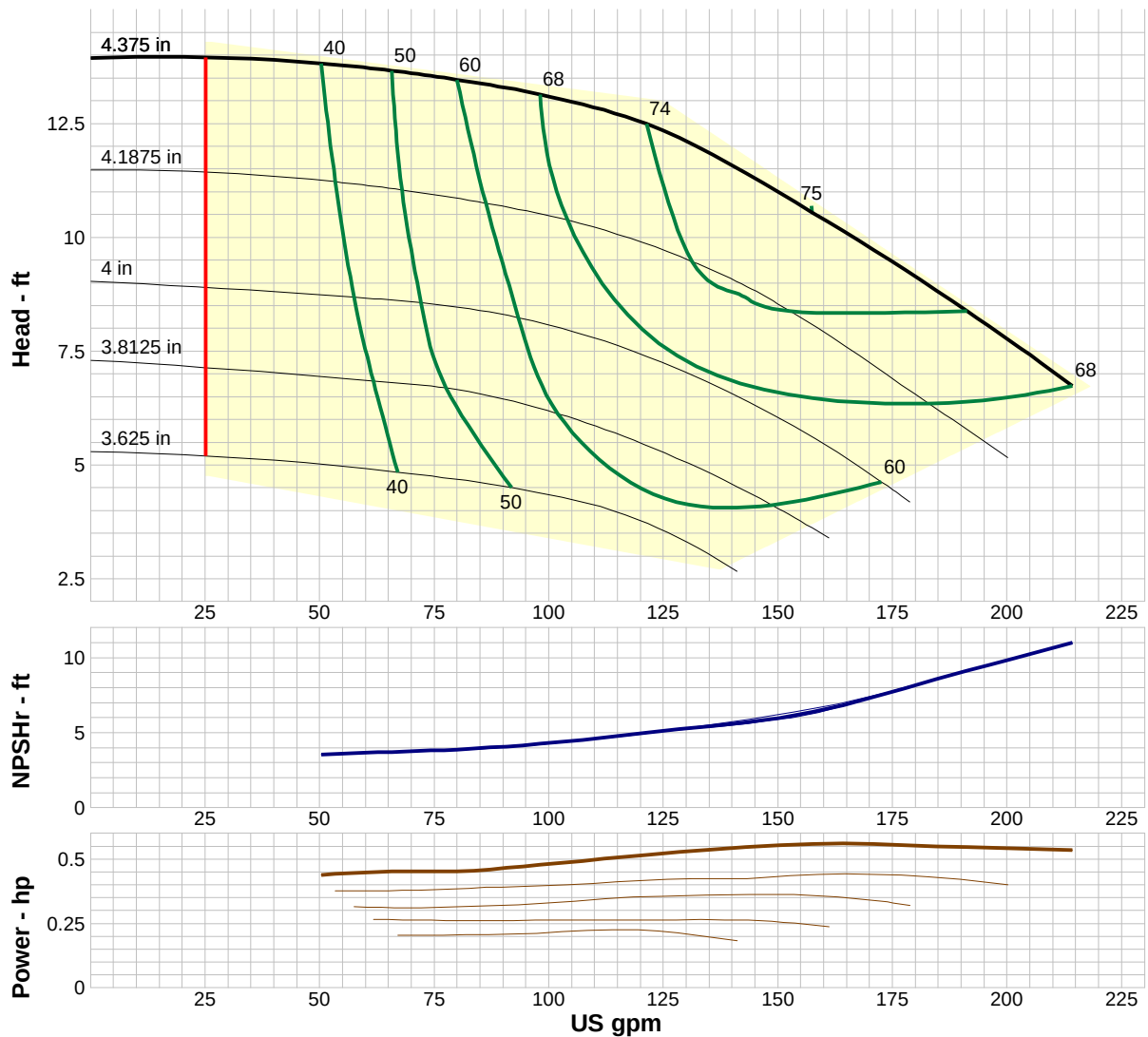
Motor:

Consult GOULDS to select a motor for this pump.

Pump Selection Warnings:

Design curve maximum power exceeds limit for the pump.

---- Data Point ----	
Flow:	157 US gpm
Head:	10.6 ft
Eff:	75%
Power:	0.559 hp
NPSHr:	6.36 ft
---- Design Curve ----	
Shutoff head:	13.9 ft
Shutoff dP:	6.03 psi
Min flow:	25 US gpm
BEP:	75% @ 157 US gpm
NOL power:	0.559 hp @ 157 US gpm
-- Max Curve --	
Max power:	0.559 hp @ 157 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
205	1725	7.39	70	0.54	10.3
171	1725	9.68	75	0.554	7.49
137	1725	11.6	74	0.535	5.6
103	1725	13	69	0.486	4.42
68.4	1725	13.6	52	0.453	3.76