

Company: Bonneville Power Administration

Name:

Date: 2/9/2007

Selection: Gould Centrifugal Pump



Pump:

Size: 3656/3756-2.5
 Type: CC_ENDSUCTION
 Synch speed: 3600 rpm
 Curve: GP3656LH/3756LH
 Specific Speeds:
 Dimensions:
 Speed: 3450 rpm
 Dia: 4.1875 in
 Impeller:
 Ns: ---
 Nss: ---
 Suction: 2.5 in
 Discharge: 2.5 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

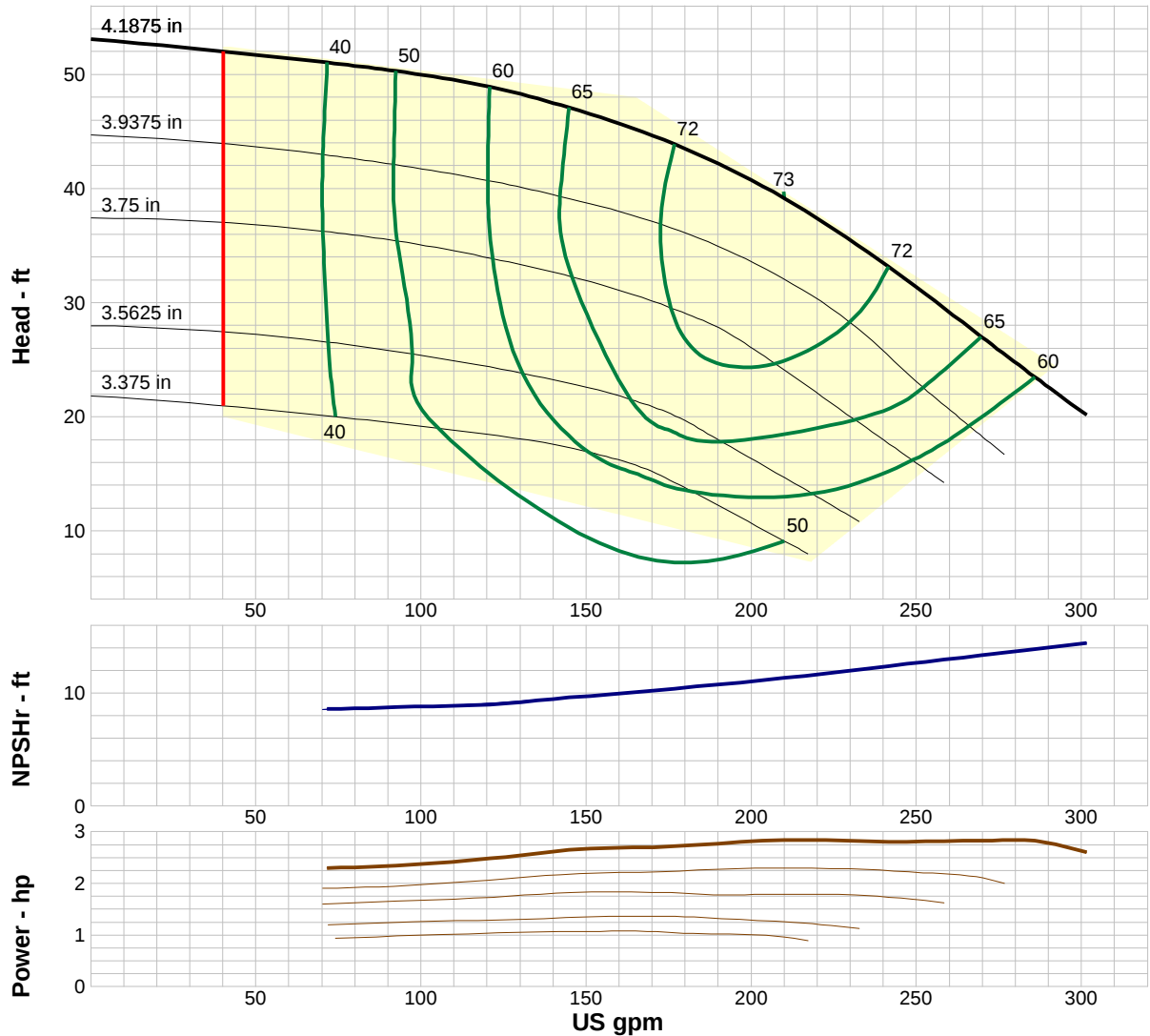
Motor:

Consult GOULDS to select a motor for this pump.

Pump Limits:

Temperature: 212 °F
 Pressure: 175 psi g
 Sphere size: --- in
 Power: 3 hp
 Eye area: --- in²

---- Data Point ----	
Flow:	210 US gpm
Head:	39.1 ft
Eff:	73%
Power:	2.84 hp
NPSHr:	11.4 ft
---- Design Curve ----	
Shutoff head:	53.1 ft
Shutoff dP:	22.9 psi
Min flow:	40 US gpm
BEP:	73% @ 210 US gpm
NOL power:	2.84 hp @ 210 US gpm
-- Max Curve --	
Max power:	2.84 hp @ 210 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
289	3450	22.8	60	2.78	14
241	3450	33.2	72	2.81	12.4
193	3450	41.6	72	2.78	10.9
145	3450	47.1	65	2.65	9.63
96.4	3450	50.1	51	2.36	8.81